

Lam Geotechnics Limited

#### CONTRACT NO: HK/2011/07

#### WANCHAI DEVELOPMENT PHASE II AND CENTRAL WANCHAI BYPASS SAMPLING, FIELD MEASUREMENT AND TESTING WORKS (STAGE 2)

ENVIRONMENTAL PERMIT NO. EP-356/2009, FURTHER EVIRONMENTAL PERMIT NOS. FEP-02/356/2009, FEP-03/356/2009, FEP-04/356/2009 , FEP-06/356/2009 AND FEP-07/356/2009

#### **MONTHLY ENVIRONMENTAL MONITORING & AUDIT REPORT**

- JULY 2015 -

CLIENTS:

Civil Engineering and Development Department

and

**Highways Department** 

#### PREPARED BY:

Lam Geotechnics Limited

11/F Centre Point 181-185 Gloucester Road, Wanchai, H.K.

Telephone: (852) 2882-3939 Facsimile: (852) 2882-3331 E-mail: <u>info@lamenviro.com</u> Website: <u>http://www.lamenviro.com</u>

**CERTIFIED BY:** 

Raymond Dai Environmental Team Leader

DATE:

10 August 2015



## TABLE OF CONTENTS

EXE	CUTIVE S	SUMMARY	4
1.	INTROD	UCTION	12
		Scope of the Report Structure of the Report	
2.	PROJEC	CT BACKGROUND	14
	2.2 S 2.3 I	Background Scope of the Project and Site Description Division of the Project Responsibility Project Organization and Contact Personnel	14 15
3.	STATUS	OF REGULATORY COMPLIANCE	21
	3.1 \$	Status of Environmental Licensing and Permitting under the Project	21
4.	MONITO	ORING REQUIREMENTS	32
	4.2 A	Noise Monitoring Air Monitoring Water Quality Monitoring	33
5.	MONITO	ORING RESULTS	41
	5.2 F 5.3 A 5.4 N	Noise Monitoring Results Real-time Noise Monitoring Air Monitoring Results Water Monitoring Results Waste Monitoring Results	43 44 47
6.	COMPLI	IANCE AUDIT	60
	6.2 F 6.3 / 6.4 V 6.5 F	Noise Monitoring Real-time noise Monitoring Air Monitoring Water Quality Monitoring Review of the Reasons for and the Implications of Non-compliance Summary of action taken in the event of and follow-up on non-compliance	59 59 60 61
7.	CUMUL	ATIVE CONSTRUCTION IMPACT DUE TO THE CONCURRENT PROJECTS	64
8.	ENVIRO	NMENTAL SITE AUDIT	65
9.	COMPL	AINTS, NOTIFICATION OF SUMMONS AND PROSECUTION	68
10.	CONCLU	USION	67



#### LIST OF TABLES

Table I	Summary of Water Quality Monitoring Exceedances in Reporting Month
Table II	Summary of Enhanced Dissolved Oxygen Monitoring Exceedances in Reporting Month
Table 2.1	Schedule 2 Designated Projects under this Project
Table 2.2	Details of Individual Contracts under the Project
Table 2.3	Contact Details of Key Personnel
Table 3.1	Summary of the current status on licences and/or permits on environmental
	protection pertinent to the Project
Table 3.2	Cumulative Summary of Valid Licences and Permits under Contract no. HK/2009/01
Table 3.3	Summary of submission status under FEP-02/356/2009 Condition
Table 3.4	Cumulative Summary of Valid Licences and Permits under Contract no. HK/2009/02
Table 3.5	Summary of submission status under FEP-03/356/2009 Condition
Table 3.6	Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/15
Table 3.7	Summary of submission status under FEP-04/356/2009 Condition
Table 3.8	Cumulative Summary of Valid Licences and Permits under Contract no. HY/2009/19
Table 3.9	Cumulative Summary of Valid Licences and Permits under Contract no. HK/2012/08
Table 3.10	Summary of submission status under EP-356/2009 & FEP-06/356/2009 Condition
Table 3.11	Cumulative Summary of Valid Licences and Permits under Contract no. HY/2010/08
Table 3.12	Summary of submission status under EP-356/2009 and FEP-07/356/2009 Condition
Table 4.1	Noise Monitoring Station
Table 4.2	Real Time Noise Monitoring Station
Table 4.3	Air Monitoring Station
Table 4.4	Marine Water Quality Stations for Water Quality Monitoring
Table 4.5	Marine Water Quality Monitoring Frequency and Parameters
Table 4.6	Marine Water Quality Stations for Enhanced Water Quality Monitoring
Table 5.1	Noise Monitoring Station for Contract nos. HK/2009/01, HK/2009/02
Table 5.2	Noise Monitoring Station for Contract no. HY/2009/15
Table 5.3	Noise Monitoring Station for Contract no. HY/2009/19
Table 5.4	Noise Monitoring Station for Contract no. HY/2010/08
Table 5.5	Real Time Noise Monitoring Station for Contract no. HY/2009/19
Table 5.6	Air Monitoring Station for Contract no. HK/2009/01
Table 5.7	Air Monitoring Station for Contract no. HK/2009/02
Table 5.8	Air Monitoring Station for Contract no. HY/2009/15
Table 5.9	Air Monitoring Stations for Contract no. HY/2009/19
Table 5.10	Air Monitoring Stations for Contract no. HK/2012/08
	Air Monitoring Stations for Contract no. HY/2010/08
Table 5.12	Water Monitoring Stations for contracts with respect to remaining DP3 work areas after the completion of DP5 & DP6 in 2012 and intake diversion in 2013
Table 5.13	Water Monitoring Stations for Contract no. HK/2009/01
Table 5.14	Water Monitoring Stations for Contract no. HK/2009/02
Table 5.15	Water Monitoring Stations for Contract no. HK/2012/08
Table 5.16	Water Monitoring Stations for Contract no. HY/2009/15
Table 5.17	Summary of Water Quality Monitoring Exceedances in Reporting Month
Table 5.18	Summary of Enhanced Dissolved Oxygen Monitoring Exceedances in Reporting Month
Table 5.19	Details of Waste Disposal for Contract no. HK/2009/01
Table 5.20	Details of Waste Disposal for Contract no. HK/2009/02
Table 5.21	Details of Waste Disposal for Contract no. HY/2009/15
Table 5.22	Details of Waste Disposal for Contract no. HY/2009/19
Table 5.23	Details of Waste Disposal for Contract no. HK/2012/08
Table 5.24	Details of Waste Disposal for Contract no. HY/2010/08
Table 8.1	Summary of Environmental Inspections for Contract no. HK/2009/01

2



- Table 8.3
   Summary of Environmental Inspections for Contract no. HY/2009/15
- Table 8.5Summary of Environmental Inspections for Contract no. HK/2012/08
- Table 8.6
   Summary of Environmental Inspections for Contract no. HY/2010/08
- Table 9.1
   Cumulative Statistics on Complaints
- Table 9.2 Cumulative Statistics on Successful Prosecutions
- Table 10.1
   Construction Activities and Recommended Mitigation Measures in Coming

   Reporting Month
   Reporting Month

#### LIST OF FIGURES

- Figure 2.1 Project Layout
- Figure 2.2 Project Organization Chart
- Figure 4.1 Locations of Environmental Monitoring Stations

#### LIST OF APPENDICES

Appendix 3.1 Environmental Mitigation Implementation Schedule Appendix 4.1 Action and Limit Level Appendix 4.2 Copies of Calibration Certificates Appendix 5.1 Monitoring Schedule for Reporting Month and Coming month Appendix 5.2 Noise Monitoring Results and Graphical Presentations Appendix 5.3 Air Quality Monitoring Results and Graphical Presentations Appendix 5.4 Water Quality Monitoring Results and Graphical Presentations Appendix 5.5 Real-time Noise Monitoring Results and Graphical Presentations Appendix 6.1 Event Action Plans Appendix 6.2 Summary for Notification of Exceedance Appendix 9.1 Complaint Log Appendix 10.1 Construction Programme of Individual Contracts



Lam Geotechnics Limited

## EXECUTIVE SUMMARY

i. This is the Environmental Monitoring and Audit (EM&A) Monthly Report – July 2015 for the Project of Wan Chai Development Phase II and Central-Wanchai Bypass under Environmental Permit no. EP-356/2009 and Further Environmental permit nos. FEP-02/356/2009, FEP-03/356/2009, FEP-04/356/2009, FEP-06/356/2009 and FEP-07/356/2009. This report presents the environmental monitoring findings and information recorded during the period June 2015 to July 2015. The cut-off date of reporting is at 27<sup>th</sup> of each reporting month.

## Construction Activities for the Reported Period

- ii. During this reporting period, the major work activities for Contract no. HK/2009/01 included:
   Nil
- iii. During this reporting period, the major work activities for Contract no. HK/2009/02 included:
  - Excavation and trimming trenches for caisson seawall at WCR3
  - Rock filling works at WCR3
- iv. During this reporting period, the major work activities for Contract no. HY/2009/15 included:
  - Reinstatement of vertical seawall at TPCWAE
- v. During this reporting period, the major work activities for Contract no. HY/2009/19 included:
   Nil
- vi. During this reporting period, the major work activities for Contract no. HK/2012/08 included:
  - Dry dock construction
  - Installation of pipe pile wall
  - Removal of temporary piling platform for culvert diversion
  - Construction of culvert
- vii. During this reporting period, the major work activities for Contract no. HY/2010/08.
  - Diversion pipe maintenance

#### Noise Monitoring

- viii. No action and limit level exceedance was recorded in this reporting month.
- ix. Noise monitoring during daytime and restricted hour were conducted at the stations M1a, M2b,
   M3a, M4b, M5b and M6 on a weekly basis in the reporting month.

#### Real-time Noise Monitoring

x. As the land-based piling and filling works- DP3 at Tin Hau had been completed on 3 September 2012 and confirmed by RSS, the real-time noise monitoring results at RTN1 -



FEHD Hong Kong Transport Section Whitfield Depot was excluded under EP-356/2009 since 28 November 2012.

- xi. The real-time noise monitoring at RTN2-Oil Street Community Liaison Centre has been relocated to City Garden Electric Centre (RTN2a- Electric Centre) on 5 Oct 2012, which is a representative of noise sensitive receiver- City Garden. The baseline noise level of RTN2a will adopt the results derived from the baseline noise monitoring conducted in Electric Centre from 4 December 2009 to 17 December 2009.
- xii. 24-hour real time noise monitoring was conducted at RTN2a Hong Kong Electric Centre. No limit level exceedance was recorded in the reporting month.

### Air Quality Monitoring

- xiii. Due to electricity interruption, the 24hr TSP monitoring of the following stations were rescheduled as below:
   CMA1b was rescheduled from 4 and 10 July 2015 to 6 and 11 July 2015 respectively.
   CMA3a was rescheduled from 29 June 2015 to 30 June 2015.
   CMA6a was rescheduled from 29 June 2015 to 30 June 2015.
- xiv. The odour patrol along the odour route with 7 sniffing locations was conducted by a qualified odour patrol member on 7 and 21 July 2015 at the concerned hours (afternoon for higher daily temperature). No Action and Limit Level was recorded during this reporting month.
- xv. With respect to the area handover, the air quality monitoring station CMA5a at Children Playgrounds opposite to the Pedestrian Plaza was relocated to the Pedestrian Plaza on 3 December 2014. The station reference and location ID of the air quality monitoring station CMA5a was updated as CMA5b and Pedestrian Plaza respectively
- xvi. Due to extension of site boundary by contractor of HY/2009/19, location of air monitoring station CMA1b – Oil Street Community Liaison Centre has been finely adjusted on 21 April 2012.
- xvii. The location ID of air monitoring station CMA1b was updated as Oil Street Site Office in April 2013.
- xviii. 1-hour and 24-hour Total Suspended Particulates (TSP) monitoring were conducted at CMA1b Oil Street Site Office; CMA2a Causeway Bay Community Center; CMA3a CWB PRE Site Office Area; CMA4a Society for the Prevention of Cruelty to Animals; CMA5b Pedestrian Plaza; CMA6a WDII PRE Site Office.

## Water Quality Monitoring

- xix. Action and Limit level of water quality monitoring was transited from dry season to wet season from 1 April 2015.
- xx. Due to the hoisting of amber rainstorm warning signal, the water quality monitoring on 22 July 2015 during flood tide and ebb tide were cancelled.
- xxi. With respect to the maintenance works for the diverted seawater supply system to Windsor House Cooling water intake and the suspension of seawater supply to Windsor House from the water storage tank for water quality sampling from 7 July 2015 to 13 July 2015. The respective water quality monitoring at WQM station C7 was cancelled on 8 July 2015 and was



temporarily suspended from 9 July 2015 to 13 July 2015. The aforesaid monitoring station was resumed on 15 July 2015 upon completion of the maintenance works.

- xxii. With respect to the construction works undertaken at Ex-PCWAW and the forthcoming wet season DO concern, the suspended Enhance DO monitoring within Ex-PCWAW area at the Enhance DO monitoring station Ex-PCWA-SW was resumed on 30 March 2015 at the finely adjusted monitoring location.
- xxiii. With respect to the commencement of seawall modification works at Ex-PCWAE and the location of the Enhance DO monitoring stations would form an active construction area, the Enhance DO monitoring at monitoring station EX-PCWA SW and SE were temporarily suspended from 2 March 2015 ebb tide and the monitoring at the location is tentatively to be resumed by early April 2015 to cater for the potential DO concern during Wet Season.
- xxiv. As informed by CWB RSS, the operation of the diverted Windsor House cooling intake was commenced on 20 Dec 2014 and the water quality monitoring at monitoring station C7 for Windsor House Cooling water intake was resumed on 22 Dec 2014.
- xxv. With respect to the commencement of temporary reclamation works and seawall construction at Ex-PCWAW zone and diverted culvert extension, the location of the Enhance DO monitoring stations (Ex-PCWASW and Ex-PCWA SE) were finely adjusted to the PCWAE since 7 November 2014.
- xxvi. With respect to the commencement of marine dredging works at WCR3 under contract HK/2009/02. The respective water quality monitoring station C1 were associated with HK/2009/01 and HK/2009/02.
- xxvii. As confirmed by CWB RSS, the operation of the pump station for Windsor House Cooling Water was suspended from 22 Oct 2014 for the Windsor House intake cooling intake scheme and temporary supply of freshwater from WSD water mains was provided to cooling water intake. The water quality monitoring for the respective cooling water intake at WQM station C7 was temporarily suspended from 22 Oct 2014.
- xxviii. With respect to the commencement of filling works at TS3 and the formation of TZ3 reclamation zone, the enhance DO monitoring at Enhance monitoring station C7 was temporarily suspended from 22 Oct 2014.
- xxix. As confirmed by WDII RSS and IEC, the cross harbor dredging works have completed since 16 March 2012 while the dredging works for submarine outfall pipeline has completed since 29 November 2011, considering current construction stage and dredging Scenario, the water quality monitoring at stations WSD9 and WSD17 was temporarily suspended since 8 September 2014 flood tide.
- xxx. With respect to the switching over of cooling water intake location, the water quality monitoring at the relocated intake station RW21-P789 under HK/2009/02 was commenced since 29 July 2013 and monitoring station C5e and C5w were temporarily suspended and switched over to monitoring station RW21-P789 on 29 July 2013 due to suspension of pump house operation.
- xxxi. As advised by WDII RSS, the water quality monitoring for WSD21 pump station with respect to HK/2009/02 was switched over to the relocated location since 12 March 2014. According to the EM&A Manual, the water quality monitoring station WSD21 was relocated to station RW21-P789 and the water quality monitoring at station WSD21 was temporarily suspended since 12 March 2014.



- xxxii. With respect to the commencement of marine dredging works under contract HY/2010/08. The respective water quality monitoring station C7 were associated with HY/2009/15 and HY/2010/08.
- xxxiii. With respect to the commencement of marine dredging works under contract HK/2012/08/ The respective water quality monitoring station WSD19, P1, P3, P4, and P5 were associated with Contract HK/2012/08 Since September 2013.
- xxxiv. WQM events on 22 April 2013 at monitoring stations C2, C3, C4e and C4w were temporarily suspended. Upon confirmation with WDII RSS and the IEC, water quality monitoring at relocated intakes monitoring location P1, P3, P4 and P5 were commenced since 24 April 2013.
- xxxv. Due to the marine piling under Contract no. HY/2009/19 was completed on 4 March 2013, the temporary suspension of impact water quality monitoring at C8 and C9 from 4 March 2013 have been monitored for 4-week period after the completion of marine works to confirm no water deterioration.
- xxxvi. As confirmed by CWB RSS, the marine pilling works under contract HY/2009/19 was confirmed completed by 4 March 2013. The water quality monitoring at the respective monitoring stations C8 and C9 were temporarily suspended since 30 March 2013.
- xxxvii. RSS confirmed that all Type III Dredging works under HK/2009/01 have been completed since Oct 2012.
- xxxviii. Due to the presence of obstacle within the inner silt curtain frame at sampling point, water quality point at C7 was finely adjusted to the outside of the inner silt curtain frame since 29 Dec 2012.
- xxxix. With respect to the trial dredging at WCR2 was scheduled on 20, 22, 24, 25 March and 1, 3, 11, 13, 15, 17, 19, 20 Apr and 3 May 2012, on-going water quality monitoring results at WSD21 during this period was checked and indicated that there was no contribution due to the trial dredging operation. Enhanced review of water quality around WCR2 was also implemented and no deterioration in the water quality was observed.
  - xI. Due to the access of water monitoring station at WSD19 was blocked by LCSD construction works from 3 April 2012 to 2 May 2012 and lead to the inaccessibility of sampling either land and marine, there is a fine adjustment of the sampling point of WSD 19 since 5 April 2012 to the closest accessible point prior to the completion of the construction activities.
  - xli. WDII/RSS advised that the dredging works for submarine pipeline at Victoria Harbour had been completed in January 2012. Therefore, the concurrent dredging activities at Sewage Pipeline Zone and reclamation shoreline zone TCBR under the EP-356/2009 scenario 2B no longer exist. As such, with reference to Table 5.39 of the EIA Report for Wan Chai Development Phase II and Central-Wan Chai Bypass, the application of silt screen for cooling water intakes for Queensway Government Offices was suspended and the others remain unchanged.
  - xlii. Due to the dredging works for Cross Harbour Water Mains from Wan Chai to Tsim Sha Tsui-DP6 was completed on 26 March 2012, the temporary suspension of impact water quality monitoring at WSD7 and WSD20 after 27 April 2012 for the water quality monitoring at WSD7 and WSD20 have been monitored for 4-week period after the completion of DP6 to confirm no water deterioration. Water quality monitoring at WSD10 and WSD15 was temporary suspended while water quality monitoring at WSD9 and WSD17 was implemented with respect to HK/2009/02 from 8 Feb 12 onwards;



HY/2009/15 & HY/2010/08

**Total** 

Lam Geotechnics Limited

- xliii. Based on the joint inspection on 4 Jan 2012 for the NPR area, the 4-week water quality monitoring at WSD9, WSD10, WSD15, WSD17, C8, C9 to confirm no water deterioration with respect to NPR was commenced since 7 Jan 2012 and it was completed on 6 February 2012.
- xliv. Based on the safety concern when external façade refurbishment was conducted by contractor employed by Provident Centre (C9) between 9 January 2012 to 30 July 2012 which caused to the inaccessibility of sampling either land and marine since 3 Feb 2012, there is a fine adjustment of the sampling location of water quality monitoring at C9 since 10 March 2012 to the closest accessible point prior to the completion of the external façade refurbishment work.
- xlv. Water quality monitoring at C8 and C9 have been implemented with respect to HY/2009/19 since the marine bore piling work started on 28 Jan 12.

	Water		Mid-flood					Mid-ebb					
Contract no.	Monitoring Station	D	0	Turb	idity	S	S	D	0	Turb	idity	S	S
		AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL
HK/2009/01 & HK/2009/02	C1	0	0	0	0	0	0	0	0	0	0	0	0
	WSD19	0	0	0	0	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0	0	0	0	0
HK/2012/08	P3	0	0	0	0	0	0	0	0	0	0	0	0
	P4	0	0	0	0	0	0	0	0	0	0	0	0
	P5	0	0	0	0	0	0	0	0	0	0	0	0
HK/2009/02	RW21-P789	0	0	0	0	0	0	0	0	0	0	0	0

0

0

0

0

C7

### Table I Summary of Water Quality Monitoring Exceedances in Reporting Month

Remarks: - The cessation of seawater intake operation for C6 was confirmed on 17 May 2011, the water monitoring at C6 was then terminated since 17 May 2011.

0

0

- WSD9 and WSD17 were implemented with respect to HK/2009/02 from 8 Feb 2012.
- 4-week water quality monitoring at WSD9, WSD10, WSD15, WSD17, C8 and C9 were completed on 6 Feb 2012.

1

1

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

- C8 and C9 were implemented with respect to HY/2009/19 from 28 Jan 2012.
- C8 & C9 was temporary suspended on 30 March 2013 due to the marine works for Contract no. HY/2009/19 had been completed on 4 March 2013
- WSD7 and WSD20 water quality monitoring were temporarily suspended from 27 Apr 2012.
- C2, C3 C4e and C4w water quality monitoring station was temporarily suspended since 24 Apr 2013
- C5e and C5w water quality monitoring station was temporarily suspended since 29 July 2013
- WSD21 water quality monitoring station was temporarily suspended since 12 March 2014
- Maintenance responsibility of silt screen C1, WSD19, P3, P4 and P5 are under Contract HK/2009/01.
- WSD9 and WSD17 water quality monitoring station was temporarily suspended since 8 September 2014 flood tide.
- Water quality monitoring for Windsor House Cooling (Station Ref: C7) was temporarily suspended since 22 October 2014 with respect to the diversion scheme and was resumed since 22 December 2014.
- The water monitoring station C1 shall be associated with Contract No. HK/2009/02 upon commencement of marine works under DP3 at WCR3 area.



- xlvi. There was no action and 1 limit level of turbidity exceedance recorded in the reporting month. Investigation found that the exceedance was not related to Project works. The details of the recorded exceedance can be referred to the **Section 6.4**.
- xlvii. Enhanced DO monitoring at 4 monitoring stations in Causeway Bay Typhoon Shelter and Ex-Public Cargo Works Area was conducted three days per week during the reporting period. The action and limit level exceedances of water quality monitoring are summarized in *Table II*.

		Mid-f	lood	Mid-ebb	
Contract no.	Water Monitoring Station	D	C	DO	
	Clauon	AL	LL	AL	LL
	C6	0	0	0	0
HY/2009/15	C7	0	0	0	0
111/2009/13	Ex-WPCWA SW	0	2	0	2
	Ex-WPCWA SE	0	0	0	0
	0	2	0	2	

 Table II
 Summary of Enhanced Dissolved Oxygen Monitoring Exceedances in

 Reporting Month
 Image: Comparison of Comparison

- xlviii. There were no action level and 4 limit level exceedances of enhanced dissolved oxygen recorded in this reporting month. Investigation found that the exceedances were not related to Project works. The details of the recorded exceedances can be referred to the *Section 6.4*.
- xlix. In response to the Condition 2.18 of the Environmental Permit no. EP-356/2009 requiring that a silt curtain / impermeable barrier system be installed to channel water discharge flow from Culvert L to locations outside the embayment area, a proposed replacement of the requirement with additional dissolved oxygen monitoring has been conducted at three monitoring stations, namely A, B and C between the eastern seawall of Central Reclamation Phase III and the HKCEC Extension since November 2011 under EP-356/2009 so that DO level between the eastern seawall of Central Reclamation Phase II and the HKCEC extension could be continuously monitored.
  - With respect to the commencement of dredging works under HK/2012/08 and the installation of MTR precast protection unit, the enhanced water quality monitoring for Culvert L was temporarily suspended since 24 July 2013.
  - li. With respect to the commencement of filling works at TS3 and the formation of TZ3 reclamation zone, the enhance DO monitoring at Enhance monitoring station C7 was temporarily suspended from 22 Oct 2014.
  - lii. With respect to the commencement of temporary reclamation works and seawall construction at Ex-PCWAW zone and diverted culvert extension, the location of the Enhance DO monitoring stations (Ex-PCWASW and Ex-PCWA SE) were finely adjusted to the PCWAE since 7 November 2014.

## Complaints, Notifications of Summons and Successful Prosecutions

liii. There was one environmental complaint received in this reporting month.



liv. A public complaint regarding malodour referred by EPD was received by ET on 23 July 2015 (EPD Ref.: H05/RS/00018040-15 dated 23 July 2015).

The complainant reported that malodour from marine sediment was scented at ex-Wanchai ferry pier near route 720 & 722 bus stop. (Contract HK/2009/02). ET confirmed with the Resident Site Staff that Rockfill placing works was conducted by one derrick barge at the concerned location (WCR3) under Contract HK/2009/02 on 20 July 2015. No marine sediment was stored or placed on site at the concerned location under Contract HK/2009/02 on 20 July 2015.

According to the relevant site records under Contract HK/2009/02, rockfill placing works was conducted by one derrick barge at WCR3 area on 20 July 2015 and no marine sediment was stored or placed on site at the concerned location on the concerned date.

Follow-up inspection was conducted during weekly environmental inspection on 29 July 2015. No marine sediment was observed stored or placed at the concerned location while it was noted that a culvert outfall with potential odour concern is located adjacent to the concerned location.

Iv. Nevertheless, the Contractor was reminded to review the handling procedures in case of any future marine sediment handling at the concerned location and to consider the implementation of mitigation measures as appropriate to minimize potential malodour impact to nearby public.

## Site Inspections and Audit

- Ivi. The Environmental Team (ET) conducted weekly site inspections for Contract nos. HK/2009/01, HK/2009/02, HY/2009/15, HY/2009/19, HK/2012/08 and HY/2010/08 under EP no. EP-356/2009 in the reporting month. Major observations and recommendations made during the audit sessions were rectified by the Contractors. No non-conformance was identified during the site inspections.
- Ivii. Construction works under HK/2010/06 was confirmed completed and the respective work area under FEP-05/356/2009 was handover and inspected under HK/2012/08 from 22 September 2014 onwards.

## Future Key Issues

lviii. In coming reporting month, the principal work activities of individual contracts are anticipated as follows:

<u>Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wanchai Bypass at</u> <u>HKCEC</u>

• Nil

<u>Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at</u> <u>Wan Chai East</u>



- Construction of Seawall At WCR3
- Reclamation at WCR3
- Demolition of remaining part of existing Wan Chai Ferry Pier

<u>Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon</u> <u>Shelter Section)</u>

• Reinstatement of vertical seawall at TPCWAE

Contract no. HY/2009/19- Wan Chai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link

• Nil

<u>Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at</u> <u>Wan Chai West</u>

- Dry dock construction
- Installation of pipe pile wall
- Removal of temporary piling platform for culvert diversion
- Construction of culvert

Contract no. HY/2010/08 – Central - Wan Chai Bypass (CWB) – Tunnel (Slip Road 8)

• Diversion pipe maintenance



Lam Geotechnics Limited

## 1 Introduction

## 1.1 Scope of the Report

- 1.1.1. Lam Geotechnics Limited (LGL) has been appointed to work as the Environmental Team (ET) under Environmental Permit no. EP-356/2009 and Further Environmental permit nos. FEP-02/356/2009, FEP-03/356/2009, FEP-04/356/2009, FEP-06/356/2009 and FEP-07/356/2009 to implement the Environmental Monitoring and Audit (EM&A) programme as stipulated in the EM&A Manual of the approved Environmental Impact Assessment (EIA) Report for Wan Chai Development phase II and Central-Wan Chai Bypass (Register No.: AEIAR-125/2008) and in the EM&A Manual of the approved EIA Report for Central-Wan Chai Bypass and Island Eastern Corridor Link (Register No. AEIAR-041/2001).
- 1.1.2. This report presents the environmental monitoring and auditing work carried out in accordance to the Section 10.3 of EM&A Manual and "*Environmental Monitoring and Audit Requirements*" under Particular Specification Section 27.
- 1.1.3. This report documents the finding of EM&A works for Environmental Permit no. EP-356/2009, Further Environmental Permit no. FEP-02/356/2009, FEP-03/356/2009, FEP-04/356/2009, FEP-06/356/2009 and FEP-07/356/2009 during the period of June 2015 to July 2015. The cut-off date of reporting is at 27<sup>th</sup> of each reporting month.

### 1.2 Structure of the Report

- **Section 1** *Introduction* details the scope and structure of the report.
- Section 2 *Project Background* summarizes background and scope of the project, site description, project organization and contact details of key personnel during the reporting period.
- Section 3 Status of Regulatory Compliance summarizes the status of valid Environmental Permits / Licenses during the reporting period.
- Section 4 *Monitoring Requirements* summarizes all monitoring parameters, monitoring methodology and equipment, monitoring locations, monitoring frequency, criteria and respective event and action plan and monitoring programmes.
- Section 5 *Monitoring Results* summarizes the monitoring results obtained in the reporting period.
- Section 6 Compliance Audit summarizes the auditing of monitoring results, all exceedances environmental parameters.
- Section 7 *Cumulative Construction Impact due to the Concurrent Projects* summarizes the relevant cumulative construction impact due to the concurrent activities of the concurrent Projects.



- Section 8 Environmental Site Audit summarizes the findings of weekly site inspections undertaken within the reporting period, with a review of any relevant follow-up actions within the reporting period.
- Section 9 Complaints, Notification of summons and Prosecution summarizes the cumulative statistics on complaints, notification of summons and prosecution
- Section 10 Conclusion



## 2 Project Background

## 2.1 Background

- 2.1.1. "Wan Chai Development phase II and Central-Wan Chai Bypass" and "Central-Wan Chai Bypass and Island Eastern Corridor Link" (hereafter called "the Project") are Designed Project (DP) under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO). The Environmental Impact Assessment (EIA) Reports for Central-Wan Chai Bypass and Island Eastern Corridor Link (Register No. AEIAR-041/2001) and Wan Chai Development phase II and Central-Wan Chai Bypass (Register No.: AEIAR-125/2008) have been approved on 31 August 2001 and 11 December 2008 respectively.
- 2.1.2. The key purpose of Wan Chai Development Phase II (WDII) is to provide land at Wan Chai North and North Point for construction of the Central-Wan Chai Bypass and Island Eastern Corridor Link (CWB). Land formed under the project will be developed as a world-class waterfront promenade joining that at the new Central waterfront for public enjoyment.
- 2.1.3. There is a compelling and present need for the CWB to provide relief to the very congested east-west Connaught Road Central/Harcourt Road / Gloucester Road Corridor (the Corridor) which is currently operating beyond its capacity. The CWB will provide relief to the existing congestion along the Corridor and cater for the anticipated growth of traffic on Hong Kong Island. Without the CWB and its access roads, there will not be sufficient capacity to serve the heavy traffic demands at both strategic and local levels.

## 2.2 Scope of the Project and Site Description

- 2.2.1. The Project is located mainly in Wan Chai North, Causeway Bay and North Point, and is demarcated by Gloucester Road and Victoria Park Road to the south, Fenwick Pier Street to the west and Tong Shui Road Interchange to the east, as shown in *Figure 2.1*.
- 2.2.2. The study area encompasses existing developments along the Wan Chai, Causeway Bay and North Point shorelines. Major land uses include the Hong Kong Convention & Exhibition Centre (HKCEC) Extension, the Wan Chai Ferry Pier, the ex-Wan Chai Public Cargo Working Area (ex-PCWA), the Royal Hong Kong Yacht Club (RHKYC), the Police Officers' Club, the Causeway Bay Typhoon Shelter (CBTS) and commercial and residential developments.
- 2.2.3. The scope of the Project comprises:
  - Land formation for key transport infrastructure and facilities, including the Trunk Road (i.e. CWB) and the associated slip roads for connection to the Trunk Road and for through traffic from Central to Wan Chai and Causeway Bay. The land formed for the above transport infrastructure will provide opportunities for the development of an attractive waterfront promenade for the enjoyment of the public
  - Reprovisioning / protection of the existing facilities and structures affected by the land formation works mentioned above
  - Extension, modification, reprovisioning or protection of existing storm water drainage outfalls, sewerage outfalls and watermains affected by the revised land use and land formation works mentioned above



Lam Geotechnics Limited

- Upgrading of hinterland storm water drainage system and sewerage system, which would be rendered insufficient by the land formation works mentioned above
- Provision of the ground level roads, flyovers, footbridges, necessary transport facilities and the associated utility services
- Construction of the new waterfront promenade, landscape works and the associated utility services
- The Trunk Road (i.e. CWB) within the study area and the associated slip roads for connection to the Trunk Road.
- 2.2.4. The project also contains various Schedule 2 DPs that, under the EIAO, require Environmental Permits (Eps) to be granted by the DEP before they may be either constructed or operated. *Table 2.1* summarises the five individual DPs under this Project. <u>Figure 2.1</u> shows the locations of these Schedule 2 DPs.

ltem	Designated Project	EIAO Reference	Reason for inclusion
DP1	Central-Wanchai Bypass (CWB) including its road tunnel and slip roads	Schedule 2, Part I, A.1 and A.7	Trunk road and road tunnel more than 800 m in length
DP2	Road P2 and other roads which are classified as primary/district distributor roads	Schedule 2, Part I, A.1	Primary / district distributor roads
DP3	Reclamation works including associated dredging works	Schedule 2, Part I, C.1 and C.12	Reclamation more than 5 ha in size and a dredging operation less than 100 m from a seawater intake point
DP5	Wan Chai East Sewage Outfall	Schedule 2, Part I, F.5 and F.6	Submarine sewage pipelines with a total diameter more than 1,200 mm and include a submarine sewage outfall
DP6	Dredging for the Cross-harbour Water Mains from Wan Chai to Tsim Sha Tsui	Schedule 2, Part I, C.12	A dredging operation less than 100 m from a seawater intake point

 Table 2.1
 Schedule 2 Designated Projects under this Project

## 2.3 Division of the Project Responsibility

- 2.3.1. Due to the multi-contract nature of the Project, there are a number of contracts sub-dividing the whole works area into different work areas to be commenced. Contractors of individual contracts will be required by the EP holder to apply Further Environmental Permits (FEP) such that the impact monitoring stations are sub-divided accordingly to facilitate the implementation of EM&A programme and to streamline the EM&A reporting for individual FEP holders correspondingly.
- 2.3.2. The details of individual contracts are summarized in *Table 2.2*.



Contract No.	Contract Title	Associated DP(s)	Construction Commencement Date	
HK/2009/01	Wan Chai Development Phase II –	DP3, DP6	23 July 2010	
Central –Wanchai Bypass at Hong Kong Convention and Exhibition Centre HK/2009/02 Wan Chai Development Phase II –		DP1, DP2	25 August 2011	
		DP3, DP5	5 July 2010	
	Central – Wan Chai Bypass at WanChai East	DP1	26 April 2011	
HY/2009/11	Wan Chai Development Phase II and Central – Wan Chai Bypass – North Point Reclamation	DP3	17 March 2010 (Completed)	
HY/2009/15	Central-Wanchai Bypass – Tunnel	DP3	10 November 2010	
	(Causeway Bay Typhoon Shelter Section)	DP1	13 July 2011	
HK/2010/06	Wan Chai Development Phase II-Central-Wan Chai Bypass over MTR Tsuen Wan Line	DP3	22 March 2011 (Completed)	
04/HY/2006	Reconstruction of Bus Terminus near Man Yiu Street and Man Kwong Street	DP1	September 2010 (Completed)	
HY/2009/17	Central – Wan Chai Bypass (CWB) at FEHD Whitfield Depot – Advanced piling works.	DP1	5 October 2010 (Completed)	
HY/2009/18	Central – Wan Chai Bypass (CWB) – Central Interchange	DP1	21 April 2011	
HY/2009/19	Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link	DP1	24 March 2011	
HK/2012/08	HK/2012/08 Wan Chai Development Phase II Central- Wan Chai Bypass at Wan Chai West		10 March 2014	
HY/2010/08	Central- Wanchai Bypass Tunnel – Tunnel (Slip Road 8)	DP1, DP2, DP3	21 March 2013	
HY/2011/08	Central-Wan Chai Bypass (CWB) – Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning	DP1	8 October 2014	

Table 2.2 Details of Individual Contracts under the Proje	ct
	01

## 2.4 **Project Organization and Contact Personnel**

- 2.4.1. Civil Engineering and Development Department and Highways Department are the overall project controllers for the Wan Chai Development Phase II and Central-Wan Chai Bypass respectively. For the construction phase of the Project, Project Engineer, Contractor(s), Environmental Team and Independent Environmental Checker are appointed to manage and control environmental issues.
- 2.4.2. The proposed project organization and lines of communication with respect to environmental protection works are shown in *Figure 2.2.* Key personnel and contact particulars are summarized in *Table 2.3*:



Party	Role	Post	Name	Contact No.	Contact Fax
AECOM	Engineer's Representative for WDII	Principal Resident Engineer	Mr. Frankie Fan	2587 1778	2587 1877
	Engineer's Representative for CWB	Principal Resident Engineer	Mr. Peter Poon	3912 3388	3912 3010
Chun Wo – Leader	Contractor under Contract no.	Project Manager	Mr. Simon Liu	9304 8355	2587 1878
Joint Venture	HK/2009/01	Site Agent	Mr. Andy Yu	9648 4896	
		Engineer Manager	Mr. Terry Wong	9757 9846	
		Construction Manager	Mr. Wyman Wong	9627 2467	
		Construction Manager	Mr. Kenneth Chan	9160 3850	
		Environmental Officer	Ms. Wendy Ng	9803 0057	
		Assistant Environmental Engineer	Miss. Connie Chan	6157 7057	
Chun Wo –	Contractor under	Project Manager	Mr. Paul Yu	3658-3085	2827 9996
CRGL Joint Venture	Contract no. HK/2009/02	Quality & Environmental Manager	Mr. C.P. Ho	9191 8856	
China	Contractor under	Project Director	Chris Leung	3557 6393	2566 2192
State Constructi	Contract no. HY/2009/15	Site Manager	Y Huo	3557 6368	
on Engineerin g (HK) Ltd.		Contractor's Representative	Andrew Wong	3557 6371	
g (i iii) Eld.		Contractor's Representative	Gene Cheung	3557 6395	
		Environmental Officer	Andy Mak	3557 6347	
Chun Wo – CRGL –	Contractor under Contract no.	Project Manager	David Lau	3758 8879	2570 8013
MBEC_	HY/2009/19	Site Agent	Paul Yu	9456 9819	
Joint Venture		Deputy Site Agent	Eric Fong	6191 9337	
		Environmental Manager / Environmental Officer	M.H. Isa	9884 0810	
		Construction Manager (Marine)	Andy Chan	9879 4325	
		Construction Manager (Land)	Bear Ding	6483 6198	
		Operation Manager (Land)	Yung Kwok Wah	9834 1010	
China	Contractor	Project Director	C. N. Lai	9106 5806	2877 1522

#### Table 2.3 Contact Details of Key Personnel



Party	Role	Post	Name	Contact No.	Contact Fax
State-	under Contract	Project Manager	Eddie Chung	9189 8118	
Leader JV	no. HK/2012/08	Site Agent	Keith Tse	9037 1839	
	Environmental Officer		James Ma	9130 9549	
		Environmental Supervisor	Y. L. Ho	9856 5669	
China State	Contractor under Contract no. HY/2010/08	Project Director	Chris Leung	3467 4299	2566 8061
		Project Manager	Chan Ying Lun	3418 3001	
		Site Agent	Dave Chan	3467 4277	
		Environmental Officer	C.M. Wong	3557 6464	
		Environmental Supervisor	Desmond Ho Tsz Ho	3557 6466	
Leighton	Contractor under	Project Manager	Paul Evans	2823 1111	21406799
Joint Venture	Contract no. HY/2011/08	Site Agent	Colman Wong	9730 0806	
		Environmental Officer	David Hung	9765 6161	
		Environmental Supervisor	Penny Yiu	2214 7738	
Ramboll Environ Hong Kong Limited	Independent Environmental Checker (IEC)	Independent Environmental Checker (IEC)	Mr. David Yeung	3465 2888	3465 2899
Lam Geotechni cs Limited	Environmental Team (ET)	Environmental Team Leader (ETL)	Mr. Raymond Dai	2882 3939	2882 3331

2.4.3. For Contract no. HK/2009/01, the principal work activities in this reporting month included:

• Nil

- 2.4.4. For Contract no. HK/2009/02, the principal work activities in this reporting month included:
  - Excavation and trimming trenches for caisson seawall at WCR3
  - Rock filling work at WCR3
- 2.4.5. For Contract no. HY/2009/15, the principal work activities in this reporting month included:
  - Reinstatement of vertical seawall at TPCWAE



- 2.4.6. For Contract no. HY/2009/19, the principal work activity in this reporting month included:
  - Nil
- 2.4.7. For Contract no. HK/2012/08, the principal work activity in this reporting month included:
  - Dry dock construction
  - Installation of pipe pile wall
  - Removal of temporary piling platform for culvert diversion
  - Construction of culvert
- 2.4.8. For Contract no. HY/2010/08, no principal work activities this reporting month.
  - Diversion pipe maintenance
- 2.4.9. In coming reporting month, the principal work activities of individual contracts are anticipated as follows:

<u>Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wanchai Bypass at</u> <u>HKCEC</u>

• Nil

Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at Wan Chai East

- Construction of seawall at WCR3
- Reclamation at WCR3
- Demolition of remaining part of existing Wan Chai Ferry Pier

<u>Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon</u> <u>Shelter Section)</u>

• Reinstatement of vertical seawall at TPCWAE

Contract no. HY/2009/19- Wan Chai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link

• Nil

<u>Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at</u> <u>Wan Chai West</u>

- Dry dock construction
- Installation of pipe pile wall



- Removal of temporary piling platform for culvert diversion
- Construction of culvert

Contract no. HY/2010/08 - Central - Wan Chai Bypass (CWB) - Tunnel (Slip Road 8)

• Diversion pipe maintenance



## 3 Status of Regulatory Compliance

## 3.1 Status of Environmental Licensing and Permitting under the Project

3.1.1. A summary of the current status on licences and/or permits on environmental protection pertinent to the Project is shown in *Table 3.1*.

## Table 3.1 Summary of the current status on licences and/or permits on environmental protection pertinent to the Project

Permits and/or Licences	Reference No.	Issued Date	Status
Environmental Permit	EP-356/2009	30 Jul 2009	Valid
Environmental Permit	EP-364/2009	17 Aug 2009	Superseded
Environmental Permit	EP-364/2009/A	4 Aug 2010	Superseded
Environmental Permit	EP-364/2009/B	20 Sep 2012	Superseded
Environmental Permit	EP-364/2009/C	11 Jul 2014	Valid
Environmental Permit	EP-376/2009	13 Nov 2010	Valid
Further Environmental Permit	FEP-01/356/2009	18 Feb 2010	Surrendered
Further Environmental Permit	FEP-02/356/2009	24 Mar 2010	Valid
Further Environmental Permit	FEP-03/356/2009	24 Mar 2010	Valid
Further Environmental Permit	FEP-04/356/2009	22 Nov 2010	Valid
Further Environmental Permit	FEP-05/356/2009	24 Mar 2011	Surrendered
Further Environmental Permit	FEP-01/364/2009	24 Mar 2010	Valid
Further Environmental Permit	FEP-02/364/2009	21 Apr 2010	Valid
Further Environmental Permit	FEP-03/364/2009	12 Jul 2010	Surrendered
Further Environmental Permit	FEP-04/364/2009/A	14 Oct 2010	Surrendered
Further Environmental Permit	FEP-05/364/2009/A	15 Nov 2010	Valid
Further Environmental Permit	FEP-06/364/2009/A	22 Nov 2010	Valid
Further Environmental Permit	FEP-07/364/2009/B	20 Sep 2012	Valid
Further Environmental Permit	FEP-08/364/2009/A	15 Jun 2012	Surrendered
Further Environmental Permit	FEP-06/356/2009	5 Mar 2013	Valid
Further Environmental Permit	FEP-07/356/2009	26 July 2013	Valid
Further Environmental Permit	FEP-09/364/2009/B	5 March 2013	Valid
Further Environmental Permit	FEP-10/364/2009/B	26 July 2013	Valid



Permits and/or Licences	Reference No.	Issued Date	Status
Further Environmental Permit	FEP-11/364/2009/B	2 May 2014	Valid

3.1.2. Due to the multi-contract nature of the Project, the status of permits and/or licences under the individual contract(s) are presented as below:

<u>Contract no. HK/2010/06 – Wan Chai Development Phase II – Central – Wan Chai Bypass</u> over MTR Tsuen Wan Line under FEP-05/356/2009

3.1.3. The construction works were completed and the FEP-05/356/2009 was surrendered by the Contractor on 3 October 2014.

<u>Contract no. HK/2009/01 – Wan Chai Development Phase II – Central – Wanchai Bypass at HKCEC</u>

3.1.4. Summary of the current status on licences and/or permits on environmental protection pertinent and submission for contract no. HK/2009/01 under FEP-02/356/2009 are shown in *Table 3.2* and *Table 3.3*.

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further	FEP-02/356/2009	24 Mar 2010	N/A	Valid
Environmental Permit	FEP-02/364/2009	21 Apr 2010	N/A	Valid
Notification of Works Under APCO	313088	06 Jan 2010	N/A	Valid
Construction Noise Permit (CNP) for	GW-RS0079-15	27 Jan 2015	16 Feb 2015 to 14 Aug 2015	Valid
(CNP) for non-piling equipment	GW-RS0104-15	3 Feb 2015	22 Feb 2015 to 21 Aug 2015	Valid
	GW-RS0101-15	3 Feb 2015	22 Feb 2015 to 21 Aug 2015	Valid
	GW-RS0074-15	22 Jan 2015	10 Feb 2015 to 9 Aug 2015	Valid
	GW-RS0243-15	16 Mar 2015	25 Mar 2015 to 24 Sept 2015	Valid
	GW-RS-269-15	16 Mar 2015	8 Apr 2015 to 7 Oct 2015	Valid
	GW-RS0408-15	13 Apr 2015	20 Apr 2015 to 19 Oct 2015	Valid

# Table 3.2 Cumulative Summary of Valid Licences and Permits under Contract no.HK/2009/01



Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	GW-RS0416-15	16 Apr 2015	8 May 2015 to 7 Nov 2015	Valid
	GW-RS0445-15	30 Apr 2015	26 May 2015 to 25 Nov 2015	Valid
	GW-RS0462-15	30 Apr 2015	2 May 2015 to 1 Nov 2015	Valid
Discharge Licence	WT00021138-2015	13 Apr 2015	31 Mar 2020	Valid
	WT00009641-2011	24 Jul 2011	31 Jul 2016	Valid
Billing account under Waste Disposal Ordinance	7010069	21 Jan 2010	N/A	Valid
Registration as a Chemical Waste Producer	WPN5213-134-C3585-01	21 Jan 2010	N/A	Valid
Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/16-018	2 Jun 2015	6 Jun 2015 to 30 Sept 2015	Valid
Dumping Permit (Type 1 – Open Sea Disposal	EP/MD/16-019	3 Jun 2015	6 Jun 2015 to 5 Jul 2015	Expired
(Dedicate Sites) & Type 2 – Confined Marine Disposal)	EP/MD/16-046	15 Jul 2015	20 Jul 2015 to 19 Aug 2015	Valid

## Table 3.3 Summary of submission status under FEP-02/356/2009 Condition

EP Condition	Submission	Date of Submission
Condition 2.6	Management Organization of Main Construction Companies	13 Apr 2010
Condition 2.7	Works Schedule and Location Plan	8 Apr 2010
	Silt Curtain Deployment Plan (Rev. 5)	24 Aug 2012
Condition 2.8	Silt Curtain Deployment Plan (Rev. 4)	12 July 2012
Condition 2.8	Silt Curtain Deployment Plan (Rev. 3)	27 June 2012
	Silt Curtain Deployment Plan	19 Apr 2010
Condition 2.9	Silt Screen Deployment Plan (Rev. 7)	21 Nov 2014



EP Condition	Submission	Date of Submission
	Silt Screen Deployment Plan (Rev. 6)	20 Aug 2014
	Silt Screen Deployment Plan (Rev.5)	24 Jul 2013
	Silt Screen Deployment Plan (Rev.4)	15 Nov 2012
	Silt Screen Deployment Plan	19 Apr 2010
	Supplementary Document on Silt Curtain and Silt Screen Deployment Plan	19 Jul 2010
Conditions 2.8 and 2.9	Report on Field Testing for Silt Curtain	26 Aug 2010
	Report on Field Testing for Silt Curtain (Rev. A)	15 Nov 2010
Condition 2.12(d)	Alternative Proposal on Concurrent Dredging for Sewage Pipeline and Cross Harbour Water Mains	15 Apr 2011
Condition 2.17	Noise Management Plan	23 Apr 2010
Condition 2.18	Landscape Plan (Erection of Decorative Screen Hoarding along Construction Site around Hong Kong Exhibition and Convention Centre)	15 May 2010
	Landscape Plan (Night-time Lighting)	22 Oct 2010
	Landscape Plan (Rev. B)	15 Nov 2010
Condition 1.12	Notification of Commencement Date	20 Jun 2011
Condition 2.6 to 2.8	Management Organization, Works Schedule and Location Plan	18 May 2011
Condition 2.9	Silt Screen Deployment Plan	10 Jun 2011
Condition 2.18	Landscape Plan	31 Oct 2013

<u>Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at</u> <u>WanChai East</u>

3.1.5. Summary of the current status on licences and/or permits on environmental protection pertinent and submission for contract no. HK/2009/02 under FEP-03/356/2009 are shown in *Table 3.4* and *Table 3.5*.

# Table 3.4 Cumulative Summary of Valid Licences and Permits under Contract no.HK/2009/02

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-03/356/2009	24 Mar 2010	N/A	Valid



Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	FEP-01/364/2009	24 Mar 2010	N/A	Valid
Notification of Works Under APCO	313962	2 Feb 2010	N/A	Valid
	GW-RS0085-15	27 Jan 2015	14 Feb 2015 to 13 Aug 2015	Valid
	GW-RS0014-15	7 Jan 2015	8 Jan 2015 to 1 Jul 2015	Expired
	GW-RS0198-15	24 Feb 2015	26 Feb 2015 to 22 Aug 2015	Valid
Construction Noise Permit (CNP) for non-piling	GW-RS0236-15	13 Mar 2015	25 Mar 2015 to 24 Sep 2015	Valid
equipment	GW-RS0246-15	13 Mar 2015	22 Mar 2015 to 13 Sep 2015	Valid
	GW-RS0366-15	2 April 2015	7 Apr 2015 to 7 Jul 2015	Expired
	GW-RS0446-15	30 April 2015	27 May 2015 to 26 Nov 2015	Valid
	GW-RS0447-15	30 April 2015	22 May 2015 to 21 Nov 2015	Valid
	GW-RS0454-15	30 April 2015	2 May 2015 to 28 Oct 2015	Valid
	GW-RS0454-15	30 April 2015	2 May 2015 to 29 Oct 2015	Valid
	GW-RS0544-15	22 May 2015	26 May 2015 to 18 Nov 2015	Valid
	GW-RS0610-15	10 Jun 2015	22 Jun 2015 to 21 Dec 2015	Valid
	GW-RS0637-15	11 Jun 2015	18 Jun 2015 to 8 Dec 2015	Valid
	GW-RS0709-15	30 June 2015	2 Jul 2015 to 1 Jan2016	Valid
	GW-RS0716-15	30 June 2015	4 Jul 2015 to 27 Dec 2015	Valid
	GW-RS0723-15	2 July 2015	7 Jul 2015 to 6 Jan 2015	Valid
	WT00006757-2010	28 May 2010	31 May 2015	Expired
Discharge Licence	WT00007129-2010	28 July 2010	31 Jul 2015	Valid
	WT00008982-2011	26 Apr 2011	30 April 2016	Valid
	WT00009691-2011	1 Aug 2011	31 July 2016	Valid
Billing Account under Waste Disposal Ordinance (Land)	7010255	10 Feb 2010	N/A	Valid
Billing Account under Waste Disposal Ordinance (Marine)	7011496	6 Oct 2010	N/A	Valid
Registration as Chemical Waste Producer (Wan Chai)	WPN5213-135-C3 593-01	10 Mar 2010	N/A	Valid
Registration as Chemical Waste Producer (TKO 137)	WPN5213-839-C3 593-02	22 Sep 2010	N/A	Valid



Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/15-181	29 Dec 2014	1 Jan 2015 to 30 Jun 2015	Expired
	EP/MD/16-034	26 Jun 2015	1 Jul 2015 to 21 Dec 2015	Valid

#### Table 3.5 Summary of submission status under FEP-03/356/2009 Condition

EP Condition	Submission	Date of Submission
Condition 1.12	Commencement Date of Construction of Marine Works	8 April 2010
Condition 2.6	Management Organization of Main Construction Companies	10 April 2010
Condition 2.7	Works Schedule and Location Plans	8 April 2010
	Silt Curtain Deployment Plan (Revision A)	20 April 2010
	Silt Curtain Deployment Plan (Revision B)	25 May 2010
	Silt Curtain Deployment Plan (Revision C)	14 Jun 2010
	Silt Curtain Deployment Plan (Revision H)	15 Feb 2011
Condition 2.8	Silt Curtain Deployment Plan (Revision I)	17 Nov 2011
	Silt Curtain Deployment Plan (Revision J)	15 Feb 2012
	Silt Curtain Deployment Plan (Revision K)	3 May 2012
	Silt Curtain Deployment Plan (Revision L)	25 Oct 2012
	Silt Curtain Deployment Plan (Revision M)	30 Nov 2012
	Silt Screen Deployment Plan	21 April 2010
Condition 2.0	Supplementary Information for Existing WSD Salt Water Intakes at Quarry Bay and Sai Wan Ho	5 Oct 2010
Condition 2.9	Silt Screen Deployment Plan (Revision B)	15 Feb 2012
	Silt Screen Deployment Plan (Revision C)	3 May 2012
	Silt Screen Deployment Plan (Revision D)	10 Dec 2012
Condition 2.17	Noise Management Plan	6 May 2010
Condition 2.18	Landscape Plan (Decorative Screen Hoarding)	11 May 2010
	Landscape Plan (Control of Night Time Lighting)	2 June 2010



EP Condition	Submission	Date of Submission
	Landscape Plan (Combined Version)	20 July 2011
	Landscape Plan (Combined Version)	5 Aug 2011
	Acknowledge of Submission	22 Aug 2011

<u>Contract no. HY/2009/15 – Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter</u> <u>Section)</u>

3.1.6. Summary of the current status on licences and/or permits on environmental protection pertinent and submission for contract no. HY/2009/15 under FEP-04/356/2009 are shown in *Table 3.6* and *Table 3.7*.

# Table 3.6 Cumulative Summary of Valid Licences and Permits under Contract no. *HY*/2009/15

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-04/356/2009	22 Nov 2010	N/A	Valid
Notification of Works Under APCO	321822	24 Sep 2010	N/A	Valid
Construction Noise Permit (CNP) for seawall removal works at TS4/ME4	GW-RS0021-15	13 Jan 2015	16 Jan 2015 to 15 Jul 2015	Expired
Construction Noise Permit (CNP) for concreting works at Eastern Breakwater of CBTS	GW-RS0150-15	11 Feb 2015	13 Feb 2015 to 10 Aug 2015	Valid
Construction Noise Permit (CNP) for reclamation and d-wall works at Ex-PCWA	GW-RS0579-15	29 May 2015	31 May 2015 to 26 Nov 2015	Valid
Registration as a Chemical Waste Producer	WPN5213-147-C116 9-35	15 Nov 2010	N/A	Valid
Billing Account under Waste Disposal Ordinance	7011553	30 Sep 2010	27 Sep 2010 to 27 Jan 2016	Valid
Billing Account under Waste Disposal Ordinance (Disposal by Vessel)	7011761	26 Jun 2015	17 Jul 2015 to 16 Oct 2015	Valid
Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/15-205	19 Jan 2015	28 Jan 2015 to 27 Jul 2015	Expired
Dumping Permit (Type 1 – Open Sea Disposal(Dedicated Site) and Type 2 – Confined Marine Disposal)	EP/MD/16-028	12 Jun 2015	15 Jun 2015 to 14 Jul 2015	Expired
	EP/MD/16-041	10 Jul 2015	15 Jul 2015 to 14 Aug 2015	Valid



Table 3.7 Summary of submission status under FEP-04/356/2009 Condition	
--	--

FEP Condition	Submission	Date of Submission
Condition 2.6	Management Organization of Main Construction Companies	30 Sep 2010
	Amendment for Management Organization of Main Construction Companies	16 May 2011
Condition 2.7	Works Schedule and Location Plans	27 Oct 2010
	Amendment for Works Schedule and Location Plans	12 Nov 2010
Condition 2.8	Silt Curtain Deployment Plan	30 Nov 2010
	Amendment for Silt Curtain Deployment Plan	24 Feb 2011
	Amendment for Silt Curtain Deployment Plan	11 May 2011
	Amendment for Silt Curtain Deployment Plan	11 Sep 2012
	Amendment for Silt Curtain Deployment Plan	30 Oct 2012
Condition 2.9	Silt Screen Deployment Plan	19 Oct 2010
	Amendment for Silt Screen Deployment Plan	18 Feb 2011
	Amendment for Silt Screen Deployment Plan	15 Jun 2011
Condition 2.18	Proposal for the Removal of Odorous Sediment and Slime	13 Jan 2011
	Amendment for Proposal for the Removal of Odorous Sediment and Slime	8 Mar 2011
	Amendment for Proposal for the Removal of Odorous Sediment and Slime	2 Aug 2011
Condition 2.21	Landscape Plan	18 Feb 2011
Condition 0.00	Noise Management Plan	20 Oct 2010
Condition 2.23	Amendment for Noise Management Plan	27 Jan 2011

3.1.7. Implementation status of the recommended mitigation measures during this reporting period is presented in *Appendix 3.1*.

<u>Contract no. HY/2009/19 – Central- Wan Chai Bypass Tunnel (North Point Section) and Island</u> <u>Eastern Corridor Link</u>

3.1.8. Summary of the current status on licences and/or permits on environmental protection pertinent for contract no. HY/2009/19 is shown in *Table 3.8* 

# Table 3.8 Cumulative Summary of Valid Licences and Permits under Contract no.HY/2009/19

Permit / Licence / Notification / Approval	Reference No.	Issued Date	Valid Period / Expiry date	Status
Further Environmental Permit	FEP-07/364/2009/A	20 Sep 2012	Granted	Valid



Permit / Licence / Notification / Approval	Reference No.	Issued Date	Valid Period / Expiry date	Status
Notification of Works Under APCO	326160	24 Jan 2011	Notified	Valid
Construction Noise Permit (CNP) (For Portion Vi Marine)	GW-RS0076-15	21 Jan 2015	23 Jan 2015 to 22 Jul 2015	Expired
	GW-RS0741-15	10 Jul 2015	23 Jul 2015 to 22 Jan 2016	Valid
Discharge License (Sea)	WT00010865-2011	03 Nov 2011	30-Nov-16	Valid
C&D Waste Disposal	7012306	10 Feb 2011	Registered	-
Vessel Disposal	7013285	21 July 2011	Registered	-
Registration as Chemical Waste Producer	5213-151-C3654-01	24 Mar 2011	Registered	-

<u>Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at</u> <u>Wan Chai West</u>

3.1.9. Summary of the current status on licences and/or permits on environmental protection pertinent and submission for contract no. HK/2012/08 under FEP-06/356/2009 are shown in *Table 3.9* and *Table 3.10*.

# Table 3.9 Cumulative Summary of Valid Licences and Permits under Contract no.HK/2012/08

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-06/356/2009	5 Mar 2013	N/A	Valid
Notification of Works Under APCO	355439	4 Feb 2013	N/A	Valid
Registration as a Chemical Waste Producer	5213-134-C3790-01	8 Mar 2013	N/A	Valid
Billing Account under Waste Disposal Ordinance	7016883	18 Feb 2013	18 Jul 2017	Valid
Water Discharge Licence	WT00018223-2014	28 Jan 2014	31 Jan 2019 Superseded by WT000205 4-2014	
	WT00020594-2014	22 Dec 2014	31 Jan 2019	Valid
Construction Noise Permit	GW-RS0295-15	19 Mar 2015	27 Mar 2015 to 26 Sep 2015	Valid
	GW-RS0296-15	19 Mar 2015	23 Mar 2015 to 22 Sep 2015	Valid
	PP-RS0008-15	10 Mar 2015	12 Mar 2015 to 11 Sep 2015	Valid
	GW-RS0145-15	11 Feb 2015	13 Feb 2015 to 12 Aug 2015	Valid



Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
	GW-RS0144-15	12 Feb 2015	13 Feb 2015 to 12 Aug 2015	Valid
	GW-RS0223-15	3 Mar 2015	9 Mar 2015 to 8 Sep 2015	Valid
	GW-RS-0360-15	1 Apr 2015	2 May 2015 to 31 Oct 2015	Valid
Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/16-037	30 Jun 2015	2 Jul 2015 to 1 Aug 2015	Valid
Dumping Permit (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine disposal)	EP/MD/16-038	30 Jun 2015	2 Jul 2015 to 1 Jan 2016	Valid

Table 3.10Summary of submission status under EP-356/2009 and FEP-06/356/2009Condition

FEP Condition	Submission	Date of Submission
Condition 2.8	Silt Curtain Deployment Plan (Rev. 3)	Submitted on 25 Nov 2013 was returned to CSLJV by EPD.
Condition 2.9	Silt Screen Deployment Plan (Rev. 2)	Generally in order as commented by EPD on 19 Sep 2013
Condition 2.23	Noise Management Plan (Rev. 2)	Generally in order as commented by EPD on 15 Aug 2013
Condition 2.24	Landscape Plan (Rev. 3)	Generally in order as commented by EPD on 31 Oct 2013

Contract no. HY/2010/08 – Central - Wan Chai Bypass (CWB) – Tunnel (Slip Road 8)

3.1.10. Summary of the current status on licences and/or permits on environmental protection pertinent and submission for contract no. HY/2010/08 under FEP-07/356/2009 are shown in Table **3.11** and **Table 3.12**.

## Table 3.11Cumulative Summary of Valid Licences and Permits under Contract no.HY/2010/08

Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Further Environmental Permit	FEP-07/356/2009	26 Jul 2013	NA	Valid
	FEP-10/364/2009/B	26 Jul 2013	NA	Valid
Notification of Works Under APCO	357176	2 Apr 2013	NIL	Valid



Permits and/or Licences	Reference No.	Issued Date	Valid Period/ Expiry Date	Status
Registration as a Chemical Waste Producer	WPN5213-147-C11 69-44	27 Mar 2013	NIL	Valid
Billing Account under Waste Disposal Ordinance	7017170	27 Mar 2013	NIL	Valid
Billing Account under Waste Disposal Ordinance (Dumping by Vessel)	7020947	22 Dec 2014	NIL	Valid.
Water Discharge Licence	WT00020753-2015	3 Feb 2015	28 Feb 2017	Valid
Construction Noise Permit	GW-RS0154-15	11 Feb 2015	12 Feb 2015 to 8 Aug 2015 Valid	
	GW-RS0309-15	20 Mar 2015	21 Mar 2015 to 19 Sep 2015	Valid
	GW-RS0531-15	18 May 2015	18 May 2015 to 17 Nov 2015	Valid
Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/15-169	9 Feb 2015	8 Aug 2015	Valid
Dumping Permit (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine disposal)	NIL	NIL	NIL	NIL

## Table 3.12Summary of submission status under EP-356/2009 and FEP-07/356/2009Condition

FEP Condition	Submission	Date of Submission
Condition 2.8	Silt Curtain Deployment Plan (rev03)	24 Dec 2014
Condition 2.9	Silt Screen Deployment Plan (rev02)	18 Feb 2015
Condition 2.23	Noise Management Plan (rev02)	25 Mar 2014
Condition 2.24	Landscape Plant (rev04)	23 Sep 2014



## Monitoring Requirements

4.1 Noise Monitoring

NOISE MONITORING STATIONS

4.1.1. The noise monitoring stations for the Project are listed and shown in *Table 4.1* and *Figure 4.1*. *Appendix 4.1* shows the established Action/Limit Levels for the monitoring works.

Tuble 4.1 Noise Montoring Guaton		
Station	Description	
M1a	Harbour Road Sports Centre	
M2b	Noon Gun Area	
МЗа	Tung Lo Wan Fire Station	
M4b	Victoria Centre	
M5b	City Garden	
M6	HK Baptist Church Henrietta Secondary School	

Tahla	11	Noico	Monitorina	Station
Iavie	<del>4</del> .1	110130	WOINTOINIG	Station

## REAL-TIME NOISE MONITORING STATIONS

- 4.1.2. The real-time noise monitoring stations for the Project are listed and shown in *Table 4.2* and *Figure 4.1*. *Appendix 4.1* shows the established Action/Limit Levels for the monitoring works.
- 4.1.3. The real-time noise monitoring at RTN2-Oil Street Community Liaison Centre has been relocated to City Garden Electric Centre (RTN2a- Electric Centre) on 5 Oct 2012, which is a representative of noise sensitive receiver- City Garden. The baseline noise level of RTN2a will adopt the results derived from the baseline noise monitoring conducted in Electric Centre from 4 December 2009 to 17 December 2009.
- 4.1.4. As the land-based piling and filling works- DP3 at Tin Hau had been completed on 3 September 2012 and confirmed by RSS, the real-time noise monitoring results at RTN1 -FEHD Hong Kong Transport Section Whitfield Depot was excluded under EP-356/2009 since 28 November 2012.

District	Station	Description
North Point	RTN2a	Electric Centre

Table 4.2 Real Time Noise Monitoring Station

Real time noise monitoring results and graphical presentation during night time period are for information only.

RTN2 had been relocated to RTN2a since 5 Oct 2012

## NOISE MONITORING PARAMETERS, FREQUENCY AND DURATION

4.1.5. The construction noise level shall be measured in terms of the A-weighted equivalent continuous sound pressure level (L<sub>eq</sub>). L<sub>eq (30 minutes)</sub> shall be used as the monitoring parameter for the time period between 0700 and 1900 hours on normal weekdays. For all other time periods, L<sub>eq (5 minutes)</sub> shall be employed for comparison with the Noise Control Ordinance (NCO)

32



criteria. Supplementary information for data auditing, statistical results such as L10 and L90 shall also be obtained for reference.

- 4.1.6. Noise monitoring shall be carried out at all the designated monitoring stations. The monitoring frequency shall depend on the scale of the construction activities. The following is an initial guide on the regular monitoring frequency for each station on a weekly basis when noise generating activities are underway:
  - One set of measurements between 0700 and 1900 hours on normal weekdays.
- 4.1.7. If construction works are extended to include works during the hours of 1900 0700 as well as public holidays and Sundays, additional weekly impact monitoring shall be carried out during respective restricted hours periods. Applicable permits under NCO shall be obtained by the Contractor.

## MONITORING EQUIPMENT

- 4.1.8. As referred to in the Technical Memorandum <sup>™</sup> issued under the NCO, sound level meters in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. Immediately prior to and following each noise measurement the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration level from before and after the noise measurement agree to within 1.0 dB.
- 4.1.9. Noise measurements shall not be made in fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s.

## 4.2 Air Monitoring

## AIR QUALITY MONITORING STATIONS

4.2.1. The air monitoring stations for the Project are listed and shown in *Table 4.3* and *Figure 4.1*. *Appendix 4.1* shows the established Action/Limit Levels for the monitoring works.

Station ID	Monitoring Location	Description
CMA1b	Oil Street Site Office**	North Point
CMA2a	Causeway Bay Community Centre	Causeway Bay
СМАЗа	CWB PRE Site Office *	Causeway Bay
CMA4a	Society for the Prevention of Cruelty to Animals	Wan Chai
CMA5b	Pedestrian Plaza***	Wan Chai
CMA6a	WDII PRE Site Office *	Wan Chai

Table 4.3 Air Monitoring Station

Remarks\*: As per the ENPC meeting in March 2011, the monitoring stations CMA3a – Future CWB site office at Wanchai Waterfront Promenade was renamed as remark.



Remarks\*\*: The location ID of monitoring station CMA1b was updated as "Oil Street Site Office" in April 2013.

Remarks\*\*\*: The station ID and monitoring location was updated in December 2014 with respect to monitoring station relocation.

### AIR MONITORING PARAMETERS, FREQUENCY AND DURATION

- 4.2.2. One-hour and 24-hour TSP levels should be measured to indicate the impacts of construction dust on air quality. The 24-hour TSP levels shall be measured by following the standard high volume sampling method as set out in the Title 40 of the Code of Federal Regulations, Chapter 1 (Part 50), Appendix B.
- 4.2.3. All relevant data including temperature, pressure, weather conditions, elapsed-time meter reading for the start and stop of the sampler, identification and weight of the filter paper, and any other local atmospheric factors affecting or affected by site conditions, etc., shall be recorded down in detail.
- 4.2.4. For regular impact monitoring, the sampling frequency of at least once in every six-days, shall be strictly observed at all the monitoring stations for 24-hour TSP monitoring. For 1-hour TSP monitoring, the sampling frequency of at least three times in every six-days should be undertaken when the highest dust impact occurs.

### SAMPLING PROCEDURE AND MONITORING EQUIPMENT

- 4.2.5. High volume samplers (HVSs) in compliance with the following specifications shall be used for carrying out the 1-hour and 24-hour TSP monitoring:
  - 0.6 1.7 m3 per minute adjustable flow range;
  - equipped with a timing / control device with +/- 5 minutes accuracy for 24 hours operation;
  - installed with elapsed-time meter with +/- 2 minutes accuracy for 24 hours operation;
  - capable of providing a minimum exposed area of 406 cm2;
  - flow control accuracy: +/- 2.5% deviation over 24-hour sampling period;
  - equipped with a shelter to protect the filter and sampler;
  - incorporated with an electronic mass flow rate controller or other equivalent devices;
  - equipped with a flow recorder for continuous monitoring;
  - provided with a peaked roof inlet;
  - incorporated with a manometer;
  - able to hold and seal the filter paper to the sampler housing at horizontal position;
  - easily changeable filter; and
  - capable of operating continuously for a 24-hour period.
- 4.2.6. Initial calibration of dust monitoring equipment shall be conducted upon installation and thereafter at bi-monthly intervals. The transfer standard shall be traceable to the internationally recognized primary standard and be calibrated annually. The concern parties such as IEC shall properly document the calibration data for future reference. All the data should be converted into standard temperature and pressure condition.



### LABORATORY MEASUREMENT / ANALYSIS

- 4.2.7. A clean laboratory with constant temperature and humidity control, and equipped with necessary measuring and conditioning instruments to handle the dust samples collected, shall be available for sample analysis, and equipment calibration and maintenance. The laboratory should be HOKLAS accredited.
- 4.2.8. An alternative non-HOKLAS accredited laboratory was set-up for carrying out the laboratory analysis, the laboratory equipment was approved by the ER on 8 February 2011 and the measurement procedures were witnessed by the IEC. Any measurement performed by the laboratory was be demonstrated to the satisfaction of the ER and IEC. IEC shall regularly audit to the measurement performed by the laboratory to ensure the accuracy of measurement results.
- 4.2.9. Filter paper of size 8" x 10" shall be labelled before sampling. It shall be a clean filter paper with no pinholes, and shall be conditioned in a humidity-controlled chamber for over 24-hours and be pre-weighed before use for the sampling.
- 4.2.10. After sampling, the filter paper loaded with dust shall be kept in a clean and tightly sealed plastic bag. The filter paper shall then be returned to the laboratory for reconditioning in the humidity controlled chamber followed by accurate weighing by an electronic balance with readout down to 0.1 mg. The balance shall be regularly calibrated against a traceable standard.
- 4.2.11. All the collected samples shall be kept in a good condition for 6 months before disposal.

## IMPACT MONITORING FOR ODOUR PATROL

- 4.2.12. Odour patrols along the shorelines of Causeway Bay Typhoon Shelter and ex-Wan Chai Public Cargo Working Area when there is temporary reclamation in Causeway Bay Typhoon Shelter and/or in the ex-Wan Chai Public Cargo Working Area, or when there is dredging of the odorous sediment and slime at the south-western corner of the Causeway Bay Typhoon Shelter. Odour patrols will be carried out at bi-weekly intervals during July, August and September by a qualified person of the ET who shall:
  - be at least 16 years of age;
  - be free from any respiratory illnesses; and
  - not be allowed to smoke, eat, drink (except water) or use chewing gum or sweets 30 min
  - before and during odour patrol
- 4.2.13. Odour patrol shall be conducted by independent trained personnel / competent persons patrolling and sniffing around the shore as shown in *Figure 4.1* to detect any odour at the concerned hours (afternoon is preferred for higher daily temperature).
- 4.2.14. The qualified person will use the nose (olfactory sensor) to sniff odours at different locations. The main odour emission sources and the areas to be affected by the odour nuisance will be identified.
- 4.2.15. The perceived odour intensity is to be divided into 5 levels which are ranked in the descending order as follows:



- 0 Not detected. No odour perceived or an odour so weak that it cannot be easily characterized or described;
- 1 Slight Identifiable odour, and slight chance to have odour nuisance;
- 2 Moderate Identifiable odour, and moderate chance to have odour nuisance;
- 3 Strong Identifiable, likely to have odour nuisance;
- 4 Extreme Severe odour, and unacceptable odour level.
- 4.2.16. The findings including odour intensity, odour nature and possible odour sources, and also the local wind speed and direction at each location will be recorded. In addition, some relevant meteorological and tidal data such as daily average temperature, and daily average humidity, on that surveyed day will be obtained from the Hong Kong Observatory Station for reference. The Action and Limit levels for odour patrol are shown in *Appendix 4.1*.
- 4.2.17. The qualified odour patrol member has individual n-butanol thresholds complied with the requirement of European Standard Method of Air Quality Determination of Odour Concentration by Dynamic Olfactometry (EN13725) in the range of 20 to 80 ppb.

# 4.3 Water Quality Monitoring

- 4.3.1. The EIA Report has identified that the key water quality impact would be associated with the dredging works during the construction phase. Marine water quality monitoring for dissolved oxygen (DO), suspended solid (SS) and turbidity is therefore recommended to be carried out at selected WSD flushing water intakes. The impact monitoring should be carried out during the proposed dredging works to ensure the compliance with the water quality standards.
- 4.3.2. The updated EM&A Manual for EP-356/2009 (Version in March 2011) is approval by EPD on 29 April 2011. As such, the Action Level and Limit Level for the wet season (April September) will be effected and applied to the water quality monitoring data from 30 April 2011.

# Water Quality Monitoring Stations

4.3.3. It is proposed to monitor the water quality at 1 WSD salt water intakes and 7 cooling water intakes along the seafront of the Victoria Harbour. The proposed water quality monitoring stations of the Project are shown in *Table 4.4* and *Figure 4.1*. *Appendix 4.1* shows the established Action/Limit Levels for the monitoring works.

Station Ref.	Location	Easting	Northing
WSD Salt Water Intake			
WSD19	Sheung Wan	833415.0	816771.0
Cooling Water Intake			
C1	HKCEC Extension	835885.6	816223.0
C7	Windsor House	837193.7	816150.0
P1	HKCEC Phase I	835774.7	816179.4
P3	The Academy of performing Arts	835824.6	816212.0
P4	Shui on Centre	835865.6	816220.0

Table 4.4	Marine Water Quality	Stations for Water	Quality Monitoring
1 anie 4.4			



Station Ref.	Location	Easting	Northing
P5 Cooling Water Inta	Government Buildings (Wanchai Tower / Revenue Tower / Immigration Tower) ke / WSD Salt Water Intake	835895.2	816215.2
			1
RW21-P789	Great Eagle Centre/ Sun Hung Kai Centre/ WSD Wanchai salt water intake 836268.0 816020.0		816020.0

## WATER QUALITY PARAMETERS

- 4.3.4. Monitoring of dissolved oxygen (DO), turbidity and suspended solids (SS) shall be carried out at WSD flushing water intakes and cooling water intakes. DO and Turbidity are measured in-situ while SS is determined in laboratory.
- 4.3.5. In association with the water quality parameters, other relevant data shall also be measured, such as monitoring location/position, time, sampling depth, water temperature, pH, salinity, dissolved oxygen (DO) saturation, weather conditions, sea conditions, tidal stage, and any special phenomena and work underway at the construction site etc.

SAMPLING PROCEDURES AND MONITORING EQUIPMENT

4.3.6. The interval between two sets of monitoring should not be less than 36 hours except where there are exceedances of Action and/or Limit Levels, in which case the monitoring frequency will be increased. *Table 4.5* shows the proposed monitoring frequency and water quality parameters. Duplicate in-situ measurements and water sampling should be carried out in each sampling event. For selection of tides for in-situ measurement and water sampling, tidal range of individual flood and ebb tides should be not less than 0.5m.

rabio no maine trace. Quanty monitoring requestoy and rabinetoro		
Activities Monitoring Frequency <sup>1</sup> Parameters <sup>2</sup>		Parameters <sup>2</sup>
During the 4-week baseline monitoring period	Three days per week, at mid-flood and mid-ebb tides	Turbidity, Suspended Solids (SS), Dissolved Oxygen (DO), pH, Temperature, Salinity
During marine construction works	Three days per week, at mid-flood and mid-ebb tides	Turbidity, Suspended Solids (SS), Dissolved Oxygen (DO), pH, Temperature, Salinity
After completion of marine construction works	Three days per week, at mid-flood and mid-ebb tides	Turbidity, Suspended Solids (SS), Dissolved Oxygen (DO), pH, Temperature, Salinity
Materi		

Notes:

1. For selection of tides for in-situ measurement and water sampling, tidal range of individual flood and ebb tides should be not less than 0.5m.

2. Turbidity should be measured in situ whereas SS should be determined by laboratory.



## DISSOLVED OXYGEN AND TEMPERATURE MEASURING EQUIPMENT

- 4.3.7. The instrument should be a portable, weatherproof dissolved oxygen measuring instrument complete with cable, sensor, comprehensive operation manuals, and use a DC power source. It should be capable of measuring:
  - a dissolved oxygen level in the range of 0-20 mg/l and 0-200% saturation
  - a temperature of 0-45 degree Celsius
- 4.3.8. It should have a membrane electrode with automatic temperature compensation complete with a cable. Sufficient stocks of spare electrodes and cables should be available for replacement where necessary. (e.g. YSI model 59 meter, YSI 5739 probe, YSI 5795A submersible stirrer with reel and cable or an approved similar instrument).
- 4.3.9. Should salinity compensation not be build-in in the DO equipment, in-situ salinity shall be measured to calibrate the DO equipment prior to each DO measurement.

### TURBIDITY MEASUREMENT INSTRUMENT

4.3.10. The instrument should be a portable, weatherproof turbidity-measuring instrument complete with comprehensive operation manual. The equipment should use a DC power source. It should have a photoelectric sensor capable of measuring turbidity between 0-1000 NTU and be complete with a cable (e.g. Hach model 2100P or an approved similar instrument).

### SAMPLER

4.3.11. A water sampler comprises a transparent PVC cylinder, with a capacity of not less than 2 litres, and can be effectively sealed with latex cups at both ends. The sampler should have a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth (e.g. Kahlsico Water Sampler or an approved similar instrument).

### SAMPLE CONTAINER AND STORAGE

4.3.12. Water samples for suspended solids measurement should be collected in high-density polythene bottles, packed in ice (cooled to 4°C without being frozen), and delivered to ALS Technichem (HK) Pty Ltd. as soon as possible after collection for analysis.

### WATER DEPTH DETECTOR

4.3.13. A portable, battery-operated echo sounder shall be used for the determination of water depth at each designated monitoring station. This unit can either be handheld or affixed to the bottom of the workboat, if the same vessel is to be used throughout the monitoring programme.

### <u>SALINITY</u>

4.3.14. A portable salinometer capable of measuring salinity in the range of 0-40 ppt shall be provided for measuring salinity of the water at each of monitoring location.

### MONITORING POSITION EQUIPMENT

4.3.15. A hand-held or boat-fixed type digital Global Positioning System (GPS) with waypoint bearing indication or other equivalent instrument of similar accuracy shall be provided and used during



monitoring to ensure the monitoring vessel is at the correct location before taking measurements.

## CALIBRATION OF IN-SITU INSTRUMENTS

- 4.3.16. All in-situ monitoring instrument shall be checked, calibrated and certified by a laboratory accredited under HOKLAS or equivalent before use, and subsequently re-calibrated at 3 monthly intervals throughout all stages of the water quality monitoring. Responses of sensors and electrodes should be checked with certified standard solutions before each use. Wet bulb calibration for a DO meter shall be carried out before measurement at each monitoring location.
- 4.3.17. For the on site calibration of field equipment by the ET, the BS 127:1993, "Guide to Field and on-site test methods for the analysis of waters" should be observed.
- 4.3.18. Sufficient stocks of spare parts should be maintained for replacements when necessary. Backup monitoring equipment shall also be made available so that monitoring can proceed uninterrupted even when some equipment is under maintenance, calibration, etc.
- 4.3.19. Current calibration certificates of equipments are presented in Appendix 4.2.

## LABORATORY MEASUREMENT / ANALYSIS

4.3.20. Analysis of suspended solids has been carried out in a HOKLAS accredited laboratory, ALS Technichem (HK) Pty Ltd. Water samples of about 1L shall be collected at the monitoring stations for carrying out the laboratory SS determination. The SS determination work shall start within 24 hours after collection of the water samples. The SS determination shall follow APHA 19ed or equivalent methods subject to the approval of IEC and EPD.

### ENHANCED WATER QUALITY MONITORING IN THE EX-WAN CHAI PUBLIC CARGO WORKING AREA AND THE CAUSEWAY BAY TYPHOON SHELTER

- 4.3.21. The enhanced water quality monitoring and audit programme is to avoid aggravation of odour nuisance from seawater arising from temporary reclamation in the ex-Wan Chai Public Cargo Working Area and the Causeway Bay Typhoon Shelter.
- 4.3.22. Dissolved oxygen monitoring at the intakes C6 and C7 in Causeway Bay Typhoon Shelter when there is temporary reclamation in Causeway Bay Typhoon Shelter and at the south-western and south-eastern corners of the ex-Wan Chai Public Cargo Working Area. The proposed water quality monitoring stations of the Project are shown in *Table 4.6* and *Figure* <u>4.1</u>.

Station	Location
otation	
C6	Excelsior Hotel
C7	Windsor House
Ex-WPCWA-SW	South-western of the ex-Wan Chai Public Cargo Working Area
Ex-WPCWA-SE	South-eastern of the ex-Wan Chai Public Cargo Working Area

 Table 4.6
 Marine Water Quality Stations for Enhanced Water Quality Monitoring

- Water quality monitoring for Windsor House Cooling (Station Ref: C7) was temporarily suspended since 22 October 2014 with respect to the diversion scheme.



- Enhanced DO monitoring stations (Ex-PCWA SW and Ex-PCWA SE) was finely adjusted to the PCWAE since 7 November 2014.
- 4.3.23. The monitoring of dissolved oxygen are to be carried out 3 days per week, at mid-flood and mid-ebb tides for 3 water depths (1m below water surface, mid-depth and 1m above sea bed, except where the water depth less than 6m, the mid-depth may be omitted. If the water depth be equal to or less than 3m, only the mid-depth will be monitored).

### DAILY SS MONITORING AND 24 HOURS TURBIDITY MONITORING SYSTEM

- 4.3.24. During dredging of the sediment at the south-western corner of the Causeway Bay Typhoon Shelter, daily monitoring of suspended solids and 24 hour monitoring of turbidity at the cooling water intakes (C6 and C7) shall be conducted.
- 4.3.25. The 24 hours monitoring of turbidty at the cooling water intakes (C6 and C7) shall be established by setting up a continuous water quality monitoring station in front of the intakes during the dredging activities. The monitoring system include the turbidity sensor and data logger which is capable of data capturing at every 5 minutes. The data sahll be downloaded daily and compared with the Action and Limit level determined during the baseline water quality monitoring at the cooling water intake locations.

# ADDITIONAL DISSOVLED OXYGEN MONITORING FOR CULVERT L WATER DISCHARGE FLOW

- 4.3.26. In response to the Condition 2.18 of the Environmental Permit no. EP-356/2009 requiring that a silt curtain / impermeable barrier system be installed to channel water discharge flow from Culvert L to locations outside the embayment area, a proposed replacement of the requirement with additional dissolved oxygen monitoring has been conducted at three monitoring stations, namely A, B and C between the eastern seawall of Central Reclamation Phase III and the HKCEC Extension since November 2011 under EP-356/2009 so that DO level between the eastern seawall of Central Reclamation Phase II and the HKCEC extension could be continuously monitored.
- 4.3.27. With respect to the commencement of dredging works under HK/2012/08 and the installation of MTR precast protection unit, the enhanced water quality monitoring for Culvert L was temporarily suspended since 24 July 2013
- 4.3.28. The monitoring of dissolved oxygen are to be carried out once per week, at mid-flood and mid-ebb tides for 3 water depths (1m below water surface, mid-depth and 1m above sea bed, except where the water depth less than 6m, the mid-depth may be omitted. If the water depth be equal to or less than 3m, only the mid-depth will be monitored).



# 5. Monitoring Results

- 5.0.1. The environmental monitoring will be implemented based on the division of works areas of each designed project managed under different contracts with separate FEP applied by individual contractors. Overall layout showing work areas of various contracts, latest status of work commencement and monitoring stations is shown in *Figure 2.1* and *Figure 4.1*. The monitoring results are presented in according to the Individual Contract(s).
- 5.0.2. In the reporting month, the concurrent contracts are as follows:
  - Contract no. HK/2009/01 Wan Chai Development Phase II Central-Wan Chai Bypass at Hong Kong Convention and Exhibition Centre; and
  - Contract no. HK/2009/02 Wan Chai Development Phase II Central-Wan Chai Bypass at Wan Chai East
  - Contract no. HY/2009/15 Central-Wanchai Bypass Tunnel (Causeway Bay Typhoon Shelter Section)
  - Contract no. HY/2009/19- Central- Wan Chai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link
  - Contract no. HK/2012/08 Wan Chai Development Phase II Central- Wan Chai Bypass at Wan Chai West
  - Contract no. HY/2010/08 Central- Wanchai Bypass Tunnel (Slip Road 8 Section)
- 5.0.3. The environment monitoring schedules for reporting month and coming month are presented in *Appendix 5.1*.

# 5.1 Noise Monitoring Results

<u>Contract no. HK/2009/01 - Wan Chai Development Phase II – Central – Wanchai Bypass at HKCEC, Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East</u>

5.1.1. The proposed division of noise monitoring stations are summarized in *Table 5.1* below.

### Table 5.1 Noise Monitoring Station for Contract nos. HK/2009/01 and HK/2009/02

Station	Description	
M1a	Harbour Road Sports Centre	

- 5.1.2. No action or limit level exceedance was recorded in this reporting month.
- 5.1.3. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in <u>Appendix</u> <u>5.2.</u>



<u>Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon</u> <u>Shelter Section)</u>

5.1.4. The noise monitoring for HY/2009/15 was commenced on 10 November 2010. The proposed division of noise monitoring stations are summarized in *Table 5.2* below.

Table 5.2Noise Monitoring Station for Contract no. HY/2009/15

······································		
Station	Description	
M2b	Noon Gun Area	
МЗа	Tung Lo Wan Fire Station	

- 5.1.5. No action or limit level exceedance was recorded in this reporting month.
- 5.1.6. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in <u>Appendix</u> <u>5.2.</u>

Contract no. HY/2009/19- Wan Chai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link

5.1.7. The proposed division of noise monitoring stations are summarized in *Table 5.3* below.

Station	Description
M4b	Victoria Centre
M5b	City Garden
M6	HK Baptist Church Henrietta Secondary School

 Table 5.3
 Noise Monitoring Station for Contract no. HY/2009/19

- 5.1.8. No action or limit level exceedance was recorded in this reporting month.
- 5.1.9. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in <u>Appendix</u> <u>5.2.</u>

Contract no. HY/2010/08-Central-Wanchi Bypass Tunnel (Slip Road 8 Section)

5.1.10. The proposed division of noise monitoring stations are summarized in **Table 5.4** below.



# Table 5.4Noise Monitoring Station for Contract no. HY/2010/08

Station	Description	
M2b	Noon Gun Area	
МЗа	Tung Lo Wan Fire Station	

- 5.1.11. No action or limit level exceedance was recorded in this reporting month.
- 5.1.12. Noise monitoring results measured in this reporting period are reviewed and summarized. Details of noise monitoring results and graphical presentation can be referred in <u>Appendix</u> <u>5.2.</u>

### 5.2 Real-time Noise Monitoring

Contract no. HY/2009/19 – Central- Wan Chai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link

- 5.2.1 As the marine-based piling and filling works- DP3 at Tin Hau had been completed on 3 September 2012 and confirmed by RSS, the real-time noise monitoring results at FEHD Hong Kong Transport Section Whitfield Depot was excluded under EP-356/2009 since 28 November 2012.
- 5.2.2 The real-time noise monitoring at RTN2-Oil Street Community Liaison Centre has been relocated to City Garden Electric Centre (RTN2a- Electric Centre) on 5 Oct 2012, which is a representative of noise sensitive receiver- City Garden. The baseline noise level of RTN2a will adopt the results derived from the baseline noise monitoring conducted in Electric Centre from 4 December 2009 to 17 December 2009.
- 5.2.3 The major work activities for Contract no. HY/2009/11 was confirmed substantial complete by RSS on 4 January 2012. The construction site was handed over to contractor HY/2009/19 on 31 December 2011 and the FEP-01/356/2009 was surrendered on 22 Oct 2012.
- 5.2.4 Real-time noise monitoring at FEHD Hong Kong Transport Section Whitfield Depot commenced external wall renovation since 1 June 2012

District	Station	Description
North Point	RTN2a	Electric Centre

 Table 5.5 Real Time Noise Monitoring Station for Contract no. HY/2009/19

• Real time noise monitoring results and graphical presentation during night time period are for information only.

RTN2 had been relocated to RTN2a since 5 Oct 2012

RTN1 monitoring had been finished on 28 Nov 2012

#### 5.2.5 No limit level exceedance was recorded in this reporting month.



5.2.6 Details of real time noise monitoring results and graphical presentation can be referred to *Appendix 5.5.* 

# 5.3 Air Monitoring Results

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

5.3.1. Air monitoring was commenced on 1 April 2011 in response to the commencement of the land-filling work for Contract no. HK/2009/01. The proposed divisions of air monitoring stations are summarized in *Table 5.6* below.

 Table 5.6
 Air Monitoring Stations for Contract no. HK/2009/01

Station	Description	
CMA5b	Pedestrian Plaza	
CMA6a	WDII PRE Site Office	

5.3.2. No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in *Appendix 5.3.* 

<u>Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at</u> <u>WanChai East</u>

5.3.3. Air monitoring was commenced in mid-January 2011 for the land-filling work for Contract no. HK/2009/02. The proposed division of air monitoring stations are summarized in *Table 5.7* below. No exceedance was recorded in the reporting month.

Table 5.7Air Monitoring Station for Contract no. HK/2009/02

Station	Description
CMA4a	Society for the Prevention of Cruelty to Animals

5.3.4. No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in <u>Appendix 5.3.</u>

<u>Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon</u> <u>Shelter Section)</u>

5.3.5. Air monitoring was commenced on 15 March 2011 for the land filling work for Contract no. HY/2009/15. The proposed division of air monitoring stations are summarized in *Table 5.8* below.

Table 5.8Air Monitoring Station for Contract no. HY/2009/15

Station	Description
СМАЗа	CWB PRE Site Office



- 5.3.6. No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in *Appendix 5.3*.
- 5.3.7. The odour patrol along the odour route with 7 sniffing locations was conducted by a qualified odour patrol member on 7 and 21 July 2015 at the concerned hours (afternoon for higher daily temperature). No Action and Limit Level was recorded during this reporting month. The details of the odour patrol results and meteorological conditions and on the date of odour patrol are shown in <u>Appendix 5.3</u>.

Contract no. HY/2009/19- Wan Chai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link

5.3.8. The proposed division of air monitoring stations are summarized in *Table 5.9* below.

Station	Description	
CMA1b	Oil Street Site Office	
CMA2a	Causeway Bay Community Centre	

Table 5.9 Air Monitoring Stations for Contract no. HY/2009/19

5.3.9. No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in <u>Appendix 5.3</u>.

<u>Contract no. HK/2012/08- Wan Chai Development Phase II – Central-Wan Chai Bypass at</u> <u>Wan Chai West</u>

5.3.10. The proposed division of air monitoring stations are summarized in *Table 5.10* below.

Table 5.10 Air Monitoring Stations for Contract no. HK/2012/08

Station	Description
CMA5b	Pedestrian Plaza

5.3.11. No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in <u>Appendix 5.3</u>.

Contract no. HY/2010/08- Central-Wanchai Bypass Tunnel (Slip Road 8 Section)

5.3.12. The proposed division of air monitoring stations are summarized in *Table 5.11* below. No exceedance was recorded in the reporting month.

Table 5.11 Air Monitoring Stations for Contract no. HY/2010/08

Station	Description
СМАЗа	CWB PRE Site Office



5.3.13. No exceedance was recorded in the reporting month. Air quality monitoring results measured in this reporting period are reviewed and summarized. Details of air monitoring results and graphical presentation can be referred in <u>Appendix 5.3</u>.

# 5.4 Water Monitoring Results.

- 5.4.1. Action and Limit level of water quality monitoring was transited from dry season to wet season from 1 April 2015.
- 5.4.2. Due to the hoisting of amber rainstorm warning signal, the water quality monitoring on 22 July 2015 during flood tide and ebb tide were cancelled.
- 5.4.3. With respect to the maintenance works for the diverted seawater supply system to Windsor House Cooling water intake and the suspension of seawater supply to Windsor House from the water storage tank for water quality sampling from 7 July 2015 to 13 July 2015. The respective water quality monitoring at WQM station C7 was cancelled on 8 July 2015 and was temporarily suspended from 9 July 2015 to 13 July 2015. The aforesaid monitoring station was resumed on 15 July 2015 upon completion of the maintenance works.
- 5.4.4. With respect to the commencement of seawall modification works at Ex-PCWAE and the location of the Enhance DO monitoring stations would form an active construction area, the Enhance DO monitoring at monitoring station EX-PCWA SW and SE were temporarily suspended from 2 March 2015 ebb tide and the monitoring at the location is tentatively to be resumed by early April 2015 to cater for the potential DO concern during Wet Season.
- 5.4.5. As informed by CWB RSS, the operation of the diverted Windsor House cooling intake was commenced on 20 Dec 2014 and the water quality monitoring at monitoring station C7 for Windsor House Cooling water intake was resumed on 22 Dec 2014
- 5.4.6. With respect to the commencement of temporary reclamation works and seawall construction at Ex-PCWAW zone and diverted culvert extension, the location of the Enhance DO monitoring stations (Ex-PCWASW and Ex-PCWA SE) were finely adjusted to the PCWAE since 7 November 2014.
- 5.4.7. With respect to the commencement of marine dredging works at WCR3 under contract HK/2009/02. The respective water quality monitoring station C1 were associated with HK/2009/01 and HK/2009/02.
- 5.4.8. As confirmed by CWB RSS, the operation of the pump station for Windsor House Cooling Water was suspended from 22 Oct 2014 for the Windsor House intake cooling intake scheme and temporary supply of freshwater from WSD water mains was provided to cooling water intake The water quality monitoring for the respective cooling water intake at WQM station C7 was temporarily suspended from 22 Oct 2014.
- 5.4.9. With respect to the commencement of filling works at TS3 and the formation of TZ3 reclamation zone, the enhance DO monitoring at Enhance monitoring station C7 was temporarily suspended from 22 Oct 2014.
- 5.4.10. As confirmed by WDII RSS and IEC, the cross harbour dredging works have completed since 16 March 2012 while the dredging works for submarine outfall pipeline has completed since 29



November 2011, considering current construction stage and dredging Scenario, the water quality monitoring at stations WSD9 and WSD17 was temporarily suspended since 8 September 2014 flood tide.

- 5.4.11. With respect to the switching over of cooling water intake location, the water quality monitoring at the relocated intake station RW21-P789 under HK/2009/02 was commenced since 29 July 2013 and monitoring station C5e and C5w were temporarily suspended and switched over to monitoring station RW21-P789 on 29 July 2013 due to suspension of pump house operation.
- 5.4.12. As advised by WDII RSS, the water quality monitoring for WSD21 pump station with respect to HK/2009/02 was switched over to the relocated location since 12 March 2014. According to the EM&A Manual, the water quality monitoring station WSD21 was relocated to station RW21-P789 and the water quality monitoring at station WSD21 was temporarily suspended since 12 March 2014.
- 5.4.13. With respect to the commencement of marine dredging works under contract HY/2010/08. The respective water quality monitoring station C7 were associated with HY/2009/15 and HY/2010/08.
- 5.4.14. With respect to the commencement of marine dredging works under contract HK/2012/08/ The respective water quality monitoring station WSD19, P1, P3, P4, and P5 were associated with Contract HK/2012/08 Since September 2013.
- 5.4.15. WQM events on 22 April 2013 at monitoring stations C2, C3, C4e and C4w were temporarily suspended. Upon confirmation with WDII RSS and the IEC, water quality monitoring at relocated intakes monitoring location P1, P3, P4 and P5 were commenced since 24 April 2013.
- 5.4.16. Due to the marine piling under Contract no. HY/2009/19 was completed on 4 March 2013, the temporary suspension of impact water quality monitoring at C8 and C9 from 4 March 2013 have been monitored for 4-week period after the completion of marine works to confirm no water deterioration.
- 5.4.17. As confirmed by CWB RSS, the marine pilling works under contract HY/2009/19 was confirmed completed by 4 March 2013. The water quality monitoring at the respective monitoring stations C8 and C9 were temporarily suspended since 30 March 2013.
- 5.4.18. RSS confirmed that all Type III Dredging works under HK/2009/01 have been completed since Oct 2012.
- 5.4.19. Due to the presence of obstacle within the inner silt curtain frame at sampling point, water quality point at C7 was finely adjusted to the outside of the inner silt curtain frame since 29 Dec 2012.
- 5.4.20. With respect to the trial dredging at WCR2 was scheduled on 20, 22, 24, 25 March and 1, 3, 11, 13, 15, 17, 19, 20 Apr and 3 May 2012, on-going water quality monitoring results at WSD21 during this period was checked and indicated that there was no contribution due to the trial dredging operation. Enhanced review of water quality around WCR2 was also implemented and no deterioration in the water quality was observed.

am

- 5.4.21. Due to the access of water monitoring station at WSD19 was blocked by LCSD construction works from 3 April 2012 to 2 May 2012 and lead to the inaccessibility of sampling either land and marine, there is a fine adjustment of the sampling point of WSD 19 since 5 April 2012 to the closest accessible point prior to the completion of the construction activities.
- 5.4.22. WDII/RSS advised that the dredging works for submarine pipeline at Victoria Harbour had been completed in January 2012. Therefore, the concurrent dredging activities at Sewage Pipeline Zone and reclamation shoreline zone TCBR under the EP-356/2009 scenario 2B no longer exist. As such, with reference to Table 5.39 of the EIA Report for Wan Chai Development Phase II and Central-Wan Chai Bypass, the application of silt screen for cooling water intakes for Queensway Government Offices was suspended and the others remain unchanged.
- 5.4.23. Due to the dredging works for Cross Harbour Water Mains from Wan Chai to Tsim Sha Tsui-DP6 was completed on 26 March 2012, the temporary suspension of impact water quality monitoring at WSD7 and WSD20 after 27 April 2012 for the water quality monitoring at WSD7 and WSD20 have been monitored for 4-week period after the completion of DP6 to confirm no water deterioration. Water quality monitoring at WSD10 and WSD15 was temporary suspended while water quality monitoring at WSD9 and WSD17 was implemented with respect to HK/2009/02 from 8 Feb 12 onwards;
- 5.4.24. Based on the joint inspection on 4 Jan 2012 for the NPR area, the 4-week water quality monitoring at WSD9, WSD10, WSD15, WSD17, C8, C9 to confirm no water deterioration with respect to NPR was commenced since 7 Jan 2012 and it was completed on 6 February 2012.
- 5.4.25. Based on the safety concern when external façade refurbishment was conducted by contractor employed by Provident Centre (C9) between 9 January 2012 to 30 July 2012 which caused to the inaccessibility of sampling either land and marine since 3 Feb 2012, there is a fine adjustment of the sampling location of water quality monitoring at C9 since 10 March 2012 to the closest accessible point prior to the completion of the external façade refurbishment work.
- 5.4.26. Water quality monitoring at C8 and C9 have been implemented with respect to HY/2009/19 since the marine bore piling work started on 28 Jan 12.

# Table 5.12 Water Monitoring Stations for contracts with respect to remaining DP3 work areas after the completion of DP5 & DP6 in 2012 and intake diversion in 2013

Contract No.	Remaining DP3 and work area(s)	Relevant Water Monitoring Stations,	Division of WQM w.r.t tentative works commenced / to be commenced
HK/2009/01	WCR3	C1 <sup>1</sup>	Apr 2013
HK/2009/02	WCR3, WCR4, TWCR4	RW21-P789 <sup>1</sup> , C1 <sup>1</sup>	Apr 2013
HK/2012/08	HKCEC2W, HKCEC2E	WSD19, P1 <sup>3</sup> , P3 <sup>3</sup> , P4 <sup>3</sup> , P5 <sup>3</sup>	Aug 2013
HY/2009/15	TCBR2, TCBR3, TCBR1W, TPCWAE, TPCWAW	C6 <sup>4</sup> , C7, Ex-WPCWA SW, Ex-WPCWA SE (plus enhanced DO monitoring)	Nov 2010



HY/2010/08 TCBR3,	TCBR4 C6 <sup>4</sup> , C7 (plus enhanced DO monitoring)	Mar 2014
-------------------	--	----------

Remarks:

-The water monitoring stations for WSD19, P1, P3, P4, P5 shall be associated with Contract No. HK/2009/01 prior to their transition to Contract HK/2012/08.

-4 intakes (re-provisioned Wanchai WSD intake, Great Eagle Centre, China Resources Centre & Sun Hung Kai Centre constructed adjacent to each other) taken as a single group for silt screen protection and monitoring.

-Re-provisioned intake reference: P1: HKCEC Phase 1; P3: APA, P4: Shui On; P5: Government Buildings (Wanchai Tower / Revenue Tower / Immigration Tower)

-Enhanced DO Monitoring at C6 since the intake abandon in May 2011.

- The water monitoring station C1 shall be associated with Contract No. HK/2009/02 upon commencement of marine works under DP3 at WCR3 area.

<u>Contract no. HK/2009/01 - Wan Chai Development Phase II – Central – Wanchai Bypass at</u> HKCEC

5.4.27. Water monitoring for Contract no. HK/2009/01 was commenced on 23 July 2010. The proposed division of water monitoring stations are summarized in *Table 5.13* below.

 Table 5.13
 Water Monitoring Stations for Contract no. HK/2009/01

Station Ref.	Location	Easting	Northing	
Cooling Water Intake				
C1	HKCEC Extension	835885.6	816223.0	

Remarks:

- The water monitoring stations for the dredging works under Contract No. HK/2009/01 should also include WSD9, WSD17, WSD 21 and C5 if water quality monitoring at these locations have not been carried out by others. Similarly, the water monitoring stations for the dredging works under Contract No. HK/2009/02 should also include WSD7, WSD9, WSD17, WSD 19, C1, C2, C3 and C4 if water quality monitoring at these locations have not been carried out by others.
- WSD7 and WSD20 water quality monitoring were temporarily suspended since 27 Apr 2012.
- C2, C3 C4e and C4w water quality monitoring station was temporarily suspended since 24 Apr 2013

<u>Contract no. HK/2009/02 - Wan Chai Development Wan Chai Development Phase II –</u> <u>Central – Wan Chai Bypass at WanChai East</u>

5.4.28. Water monitoring for Contract no. HK/2009/02 was commenced on 8 July 2010. The proposed division of water monitoring stations are summarized in *Table 5.14* below.

Station Ref.	Location	Easting	Northing	
Cooling Water Intake				
C1	HKCEC Extension	835885.6	816223.0	
Cooling Water Intake / WSD Salt Water Intake				
RW21-P789	Great Eagle Centre/ Sun Hung Kai Centre/WSD Wanchai salt water intake	836268.0	816020.0	

Table 5.14Water Monitoring Stations for Contract no. HK/2009/02



### Remarks:

- The water monitoring stations for the dredging works under Contract No. HK/2009/01 should also include WSD9, WSD17, WSD 21 and C5 if water quality monitoring at these locations have not been carried out by others. Similarly, the water monitoring stations for the dredging works under Contract No. HK/2009/02 should also include WSD7, WSD9, WSD17, WSD 19, C1, C2, C3 and C4 if water quality monitoring at these locations has not been carried out by others.
- Water quality monitoring at WSD9 and WSD 17 was implemented with respect to HK/2009/02 from 8 Feb 2012.
- C5e and C5w water quality monitoring station was temporarily suspended since 29 July 2013
- WSD21 water quality monitoring station was temporarily suspended since 12 March 2014
- WSD9 and WSD17 water quality monitoring station was temporarily suspended since 8 September 2014 flood tide.
- The water monitoring station C1 shall be associated with Contract No. HK/2009/02 upon commencement of marine works under DP3 at WCR3 area.

<u>Contract no. HK/2012/08 - Wan Chai Development Phase II – Central- Wan Chai Bypass at</u> <u>Wan Chai West</u>

5.4.29. Water monitoring for Contract no. HK/2012/08 was commenced on 5 March 2013. The proposed division of water monitoring stations are summarized in *Table 5.15* below.

Station Ref.	Location	Easting	Northing	
WSD Salt Water Intake				
WSD19	Sheung Wan	833415.0	816771.0	
Cooling Water Intake				
P1	HKCEC Phase I	835774.7	816179.4	
P3	The Academy of performing Arts	835824.6	816212.0	
P4	Shui on Centre	835865.6	816220.0	
P5	Government Buildings (Wanchai Tower / Revenue Tower / Immigration Tower)	835895.2	816215.2	

 Table 5.15
 Water Monitoring Stations for Contract no. HK/2012/08

<u>Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter</u> Section)

- 5.4.30. As the removal of reclamation work of TS1 at CBTS has been completed, all procedures have been rectified and complied with the conditions set in EP-356/2009 and FEP-04/356/2009.
- 5.4.31. Due to the commencement of the maintenance dredging on 10 November 2010, water quality monitoring for Contract no. HY/2009/15 was commenced on 9 November 2010. The proposed division of water monitoring stations are summarized in Table 5.16 below.
- 5.4.32. Due to the presence of obstacle within the inner silt curtain frame at sampling point, water quality point at C7 was finely adjusted to the outside of the inner silt curtain frame since 29 Dec 2012.



Station Ref.	Location	Easting	Northing	
Cooling Water Intake				
C7	Windsor House	837193.7	816150.0	

Remarks:

 The cessation of seawater intake operation for C6 was confirmed on 17 May 2011, the water monitoring at C6 was then terminated since 17 May 2011.

- Water quality monitoring for Windsor House Cooling (Station Ref: C7) was temporarily suspended since 22 October 2014 with respect to the diversion scheme and was resumed since 22 December 2014.

Contract no. HY/2009/19 – Central- Wan Chai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link

- 5.4.33. Due to the commencement of the marine bored piling on 28 Jan 2012, water quality monitoring for Contract no. HY/2009/19 was commenced on 28 Jan 2012.
- 5.4.34. Due to the marine piling under Contract no. HY/2009/19 was completed on 4 March 2013, the temporary suspension of impact water quality monitoring at C8 and C9 from 4 March 2013 have been monitored for 4-week period after the completion of marine works to confirm no water deterioration.
- 5.4.35. Based on the safety concern when external façade refurbishment was conducted by contractor employed by Provident Center (C9) between 9 January 2012 to 30 July 2012 which caused to the inaccessibility of sampling either land and marine since 3 Feb 2012, there is a fine adjustment of the sampling location of water quality monitoring at C9 since 10 March 2012 to the closest accessible point prior to the completion of the external façade refurbishment work.
- 5.4.36. Due to the access of water monitoring station at WSD19 was blocked by LCSD construction works from 3 April 2012 to 2 May 2012 and lead to the inaccessibility of sampling either land and marine, there is a fine adjustment of the sampling point of WSD 19 since 5 April 2012 to the closest accessible point prior to the completion of the construction activities.
- 5.4.37. As per the meeting with the representative of Excelsior Hotel and World Trade Centre on 17 May 2011, they confirmed that the seawater intake for The Excelsior was no longer in use and replaced by the connected permanent water supply from WSD pipelines since 11 January 2011. Thus, the impact water quality monitoring for the cooling intake - C6 was terminated effective from 26 May 2011.
- 5.4.38. 24 hours monitoring of turbidity at the cooling water intakes at C7 was conducted. With respect to the seawall collapsing at TS4 on 17 November 2011, the 24 hours turbidity monitoring and was kept in November 2011. Since the reinstating the seawall was completed on 13 January 2012 and no any water deterioration was performed, 24 hour turbidity monitoring was then suspended on 27 January 2012.
- 5.4.39. Water monitoring results measured in this reporting period are reviewed and summarized. Details of water quality monitoring results and graphical presentation can be referred in <u>Appendix 5.4</u>.



	Water			Mid-f	lood					Mid-	ebb		
Contract no.	Monitoring	D	0	Turb	idity	S	S	D	0	Turb	oidity	S	S
	Station	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL	AL	LL
HK/2009/01 & HK/2009/02	C1	0	0	0	0	0	0	0	0	0	0	0	0
	WSD19	0	0	0	0	0	0	0	0	0	0	0	0
	P1	0	0	0	0	0	0	0	0	0	0	0	0
HK/2012/08	P3	0	0	0	0	0	0	0	0	0	0	0	0
	P4	0	0	0	0	0	0	0	0	0	0	0	0
	P5	0	0	0	0	0	0	0	0	0	0	0	0
HK/2009/02	RW21-P789	0	0	0	0	0	0	0	0	0	0	0	0
HY/2009/15 & HY/2010/08	C7	0	0	0	1	0	0	0	0	0	0	0	0
Total		0	0	0	1	0	0	0	0	0	0	0	0

# Table 5.17 Summary of Water Quality Monitoring Exceedances in Reporting Month

Remarks: - The cessation of seawater intake operation for C6 was confirmed on 17 May 2011, the water monitoring at C6 was then terminated since 17 May 2011.

- WSD9 and WSD17 were implemented with respect to HK/2009/02 from 8 Feb 2012.
- 4-week water quality monitoring at WSD9, WSD10, WSD15, WSD17, C8, C9 were completed on 6 Feb 2012.
- C8 and C9 were implemented with respect to HY/2009/19 from 28 Jan 2012.
- C8 & C9 was temporary suspended on 30 March 2013 due to the marine works for Contract no. HY/2009/19 had been completed on 4 March 2013
- WSD7 and WSD20 were temporarily suspended from 27 Apr 2012
- C2, C3 C4e and C4w water quality monitoring station was temporarily suspended since 24 Apr 2013
- C5e and C5w water quality monitoring station was temporarily suspended since 29 July 2013
- WSD21 water quality monitoring station was temporarily suspended since 12 March 2014
- Maintenance responsibility of silt screen C1, WSD19, P3, P4 and P5 are under Contract HK/2009/01.
- WSD9 and WSD17 water quality monitoring station was temporarily suspended since 8 September 2014 flood tide.
- Water quality monitoring for Windsor House Cooling (Station Ref: C7) was temporarily suspended since 22 October 2014 with respect to the diversion scheme and was resumed since 22 December 2014.
- The water monitoring station C1 shall be associated with Contract No. HK/2009/02 upon commencement of marine works under DP3 at WCR3 area
- 5.4.40. There was no action and 1 limit level of turbidity exceedance recorded in the reporting month. Investigation found that the exceedance was not related to Project works. The details of recorded exceedance can be referred to the **Section 6.4**.
- 5.4.41. Enhanced DO monitoring at 4 monitoring stations in Causeway Bay Typhoon Shelter and Ex-Public Cargo Works Area was conducted three days per week during the reporting period. The action and limit level exceedances of water quality monitoring are summarized in *Table 5.18*.



# Table 5.18Summary of Enhanced Dissolved Oxygen Monitoring Exceedances in<br/>Reporting Month

		Mid-flood		Mid-ebb	
Contract no.	Water Monitoring Station	D	DO		0
	Clairon	AL	LL	AL	LL
	C6	0	0	0	0
HY/2009/15	C7	0	0	0	0
111/2009/15	Ex-WPCWA SW	0	2	0	2
Ex-WPCWA SE		0	0	0	0
	Total		2	0	2

- 5.4.42. There were no action level and 4 limit level exceedances of enhanced dissolved oxygen recorded in this reporting month. Investigation found that the exceedances were not related to Project works. The details of recorded exceedances can be referred to the **Section 6.4**.
- 5.4.43. In response to the Condition 2.18 of the Environmental Permit no. EP-356/2009 requiring that a silt curtain / impermeable barrier system be installed to channel water discharge flow from Culvert L to locations outside the embayment area, a proposed replacement of the requirement with additional dissolved oxygen monitoring has been conducted at three monitoring stations, namely A, B and C between the eastern seawall of Central Reclamation Phase III and the HKCEC Extension since November 2011 under EP-356/2009 so that DO level between the eastern seawall of Central Reclamation Phase II and the HKCEC extension since November 2011 under EP-356/2009 so that DO level between the eastern seawall of Central Reclamation Phase II and the HKCEC extension could be continuously monitored. Details of additional DO monitoring results can be referred in <u>Appendix 5.4.</u>
- 5.4.44. With respect to the commencement of dredging works under HK/2012/08 and the installation of MTR precast protection unit, the enhanced water quality monitoring for Culvert L was temporarily suspended since 24 July 2013
- 5.4.45. With respect to the commencement of temporary reclamation works and seawall construction at Ex-PCWAW zone and diverted culvert extension, the location of the Enhance DO monitoring stations (Ex-PCWASW and Ex-PCWA SE) were finely adjusted to the PCWAE since 7 November 2014.

# 5.5 Waste Monitoring Results

<u>Contract no. HK/2009/01 - Wan Chai Development Phase II – Central – Wanchai Bypass at</u> <u>HKCEC</u>

5.5.1. No inert C&D waste and non- inert C&D waste disposed in this reporting month. Details of the waste flow table are summarized in *Table 5.19.* 

Table 5.19	Details of Waste Disposal for Contract no. HK/2009/01
------------	---

Waste Type Quantity this	h Cumulative Quantity-to-Date	Disposal / Dumping Grounds
--------------------------	----------------------------------	-------------------------------



Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m <sup>3</sup>	NIL	62116.405	TKO137, TM38
Inert C&D materials recycled, m <sup>3</sup>	NIL	5856.5	N/A
Non-inert C&D materials disposed, m <sup>3</sup>	NIL	1673.69	SENT Landfill
Non-inert C&D materials recycled, kg	NIL	203993	N/A
Chemical waste disposed, kg	NIL	10250	N/A
Marine Sediment (Type 1 – Open Sea Disposal), m <sup>3</sup>	NIL (Bulk Volume)	97428.2 (Bulk Volume)	South of Cheung Chau
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal), m <sup>3</sup>	NIL (Bulk Volume)	52250 (Bulk Volume)	East of Cha Chau
Dredged Sediment Requiring Type 3 – Special Treatment / Disposal contained in Geosynthetic Containers	NIL (Bulk Volume)	6773 (Bulk Volume)	East of Cha Chau

5.5.2. There were no marine sediment Type 1- Open Sea Disposal and no marine sediments Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal disposed in this reporting month.

<u>Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at</u> <u>Wan Chai East</u>

5.5.3. No inert C&D waste and Non-inert C&D waste disposed of in this reporting month. Details of the waste flow table are summarized in *Table 5.20.* 

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m <sup>3</sup>	NIL	276075.1	TKO137 / TM 38
Inert C&D materials	NIL	18161	N/A

Table 5.20	Details of Waste Dis	oosal for Contract no. HK/2009/02
------------	----------------------	-----------------------------------



Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
recycled, m <sup>3</sup>			
Non-inert C&D materials disposed, m <sup>3</sup>	NIL	1515.103	SENT Landfill
Non-inert C&D materials recycled, m <sup>3</sup>	N/A	N/A	N/A
Chemical waste disposed, kg	NIL	13860	SENT Landfill
Marine Sediment (Type 1 – Open Sea Disposal), m <sup>3</sup>	434	244249 (Bulk volume)	South of Cheung Chau
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal), m <sup>3</sup>	NIL	146445* (Bulk volume)	East of Sha Chau

Remarks: The cumulative quantity of Type 1 – Open Sea Disposal (Delicate Sites) & Type 2 – Confined Marine Disposal has been updated in this reporting month.

5.5.4. There was marine sediment Type 1 – Open Sea Disposal (Dedicate Sties) disposed in this reporting month. No Type 1 Open Sea Disposal (Dedicate Sties) & Type 2 – Confined Marine Disposal disposed in this reporting month.

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

5.5.5. No Inert C&D waste and no non- inert C&D waste disposed of in this reporting month. Details of the waste flow table are summarized in *Table 5.21* 

Table 5.21	Details of Waste Disposal for Contract no. HY/2009/15
------------	---

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds	Remarks
Inert C&D materials disposed, m <sup>3</sup>	NIL	141579.2	Tuen Mun Area 38	NIL
uisposea, m°	NIL	65216	TKO137 FB	NIL
Inert C&D materials recycled, m <sup>3</sup>	NIL	304	Ex-PCWA	NIL
recycled, m	NIL	111.9	TS4	NIL
Non-inert C&D materials disposed, m <sup>3</sup>	NIL	252.2	SENT Landfill	NIL
Non-inert C&D materials recycled, kg	NIL	299361.5	N/A	NIL
Chemical waste disposed, kg	NIL	8,200	N/A	NIL



Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds	Remarks
Marine Sediment (Type 1 – Open Sea Disposal), m <sup>3</sup>	NIL (Bulk Volume)	126298 (Bulk Volume)	Cheung Chau South	Dredging from TCBR1E / TCBR1W / TCBR2/TCBR3 / TCBR4 / Maintenance dredging
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal), m <sup>3</sup>	9830 (Bulk Volume)	298445 (Bulk Volume)	East of Sha Chau / South of the Brothers	Dredging from TCBR1E / TCBR1W / TCBR2/TCBR3 / TCBR4 / Maintenance dredging
Marine Sediment (Type 3 – Special Treatment / Disposal contained in Geosynthetic Containers) m <sup>3</sup>	NIL (Bulk Volume)	12640 (Bulk Volume)	East of Sha Chau / South of the Brothers	Dredging from TCBR1W / Maintenance dredging
Marine Sediment (Type 2 – Confined Marine Disposal), m <sup>3</sup>	NIL	9350 (Bulk Volume)	East of Sha Chau	Dredging from Eastern Breakwater of CBTS
Marine Sediment (Type 1 – Open Sea Disposal) , m3	NIL (Bulk Volume)	600 (Bulk Volume)	East Sha Chau / South of The Brothers	Dredging from Phase 3 Mooring Re-arrangement
Marine Sediment (Type 2– Confined Marine Disposal) , m3	NIL (Bulk Volume)	14,780 (Bulk Volume)	South of The Brothers	Dredging from Phase 3 Mooring Re-arrangement
Marine Sediment (Type 3 – Special Treatment / Disposal contained in Geosynehetic Containers), m3	NIL (Bulk Volume)	2,760 (Bulk Volume)	South of The Brothers	Dredging from Phase 3 Mooring Re-arrangement

5.5.6. There was Type 1 Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal disposed in this reporting month. No Type 1 Open Sea Disposal disposed in this reporting month.

Contract no. HY/2009/19 –Central- WanChai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link



5.5.7. No inert C&D waste and non-inert C&D waste disposed in this reporting month. Details of the waste flow table are summarized in *Table 5.22.* 

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, $m^3$	NIL	355921.04	TM38
Inert C&D materials recycled, m <sup>3</sup>	NIL	59367	N/A
Non-inert C&D materials disposed, m <sup>3</sup>	NIL	1068.6	N/A
Non-inert C&D materials recycled, kg	NIL	333.14	N/A
Chemical waste disposed, L	NIL	2.12	N/A
Marine Sediment (Type 1 – Open Sea Disposal), m <sup>3</sup>	NIL	162	South Cheung Chau
$\begin{array}{l} \mbox{Marine Sediment (Type 2 - Confined Marine Disposal) ,} \\ \mbox{m}^3 \end{array}$	NIL	681	East Sha Chau
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal) , m3	NIL	4976.00	

## Table 5.22 Details of Waste Disposal for Contract no. HY/2009/19

5.5.8. There was no marine sediment Type1- Open Sea Disposal and there was no Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal generated were disposed in this reporting month.

<u>Contract no. HK/2012/08 – Wan Chai Development Phase II – Central- Wan Chai Bypass at</u> <u>Wan Chai West</u>

5.5.9. There was no Inert C&D waste and no non-inert C&D waste disposed in this reporting month. Details of the waste flow table are summarized in *Table 5.23.* 

Table 5.23 Details of Waste Disposal for Contract	ct no. HK/2012/08
---	-------------------

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m <sup>3</sup>	NIL	4131	TM38
Inert C&D materials recycled, m <sup>3</sup>	NIL	NIL	N/A
Non-inert C&D materials disposed, m <sup>3</sup>	NIL	315	N/A
Non-inert C&D materials recycled, kg	NIL	NIL	N/A
Chemical waste disposed, L	NIL	NIL	N/A



Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Marine Sediment (Type 1 – Open Sea Disposal), m <sup>3</sup>	3145 (Bulk volume)	34904 (Bulk volume)	South of Cheung Chau
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal), m3	NIL (Bulk volume)	108485 (Bulk volume)	South of The Brothers (from 27 Aug 2013 onwards)

5.5.10. There was Marine Sediment Type 1 – Open Sea Disposal disposed in this reporting month. No marine sediment Type 1 – Open Sea Disposal (Delicate Sites) & Type 2 – Confined Marine Disposal disposed in this reporting month.

Contract no. HY/2010/08 – Central - Wan Chai Bypass (CWB) – Tunnel (Slip Road 8)

5.5.11. Inert C&D waste was disposed and no non-inert C&D waste disposed in this reporting month. Details of the waste flow table are summarized in *Table 5.24* 

Waste Type	Quantity this month	Cumulative Quantity-to-Date	Disposal / Dumping Grounds
Inert C&D materials disposed, m <sup>3</sup>	147948.9	267660.2	N/A
Inert C&D materials recycled, m <sup>3</sup>	NIL	NIL	N/A
Non-inert C&D materials disposed, m <sup>3</sup>	NIL	NIL	N/A
Non-inert C&D materials recycled, kg	NIL	NIL	N/A
Chemical waste disposed, L	NIL	NIL	N/A
Marine Sediment (Type 1 – Open Sea Disposal)	NIL	55290	South Cheung Chau / Brothers Island *
Marine Sediment (Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine disposal)	NIL	27760	Brothers Island
Marine Sediment (Type 3 – Special Treatment)	NIL	7780	Brothers Island

 Table 5.24 Details of Waste Disposal for Contract no. HY/2010/08

Remarks: Under the condition of EP/MD/15-169, dredged sediment required to dispose at South of the Brothers since 9 Feb 2015.

5.5.12. There was no Type 1 – Open Sea Disposal, Type 3 – Special Treatment and Type 1 – Open Sea Disposal (Dedicate Sites) & Type 2 – Confined Marine Disposal disposed in this reporting month.



Lam Geotechnics Limited

## 6. Compliance Audit

6.0.1. The Event Action Plan for construction noise, air quality and water quality are presented in *Appendix 6.1.* 

## 6.1 Noise Monitoring

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

6.1.1 No exceedance was recorded in the reporting month.

Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East

6.1.2 No exceedance was recorded in the reporting month.

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

6.1.3 No exceedance was recorded in the reporting month.

<u>Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island</u> <u>Eastern Corridor Link</u>

6.1.4 No exceedance was recorded in the reporting month.

Contract no. HY/2010/08 - Central-Wanchai Bypass - Tunnel (Slip Raod 8 Section)

6.1.5 No exceedance was recorded in the reporting month.

# 6.2 Real-time noise Monitoring

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link

6.2.1. No limit level exceedance was recorded in the reporting month.

### 6.3 Air Monitoring

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

6.3.1 No exceedance was recorded in the reporting month.

<u>Contract no. HK/2009/02 – Wan Chai Development Phase II – Central – Wan Chai Bypass at</u> <u>Wan Chai East (CWB Tunnel)</u>

6.3.2 No exceedance was recorded in the reporting month.

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

6.3.3 No exceedance was recorded in the reporting month.



6.3.4 No action and limit level was recorded for odour patrol during this reporting month.

Contract no. HY/2009/19 – Central – Wanchai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link

6.2.1. No exceedance was recorded in the reporting month.

Contract no. HK/2012/08 Wan Chai Development Phase II - Central-Wan Chai Bypass at Wan Chai West

6.2.2. No exceedance was recorded in the reporting month.

Contract no. HY/2010/08 - Central-Wanchai Bypass - Tunnel (Slip Raod 8 Section)

6.2.3. No exceedance was recorded in the reporting month.

### 6.4 Water Quality Monitoring

Contract no. HK/2009/01 - Wan Chai Development Phase II – Central –Wanchai Bypass at HKCEC

6.4.1 No exceedance was recorded in the reporting month.

Contract no. HK/2009/02 - Wan Chai Development Phase II – Central – Wan Chai Bypass at WanChai East

6.4.2 No exceedance was recorded in the reporting month.

Contract no. HY/2009/15 - Central-Wanchai Bypass – Tunnel (Causeway Bay Typhoon Shelter Section)

- 6.4.3 There were occasionally limit exceedance was recorded at Ex-WPCWA SW on 4, 15 and 20 July 2015 in the reporting month.
- 6.4.4 After checking with contractor, no marine activities were conducted at Ex-WPCWA on 4, 15 and 20 July 2015 and upstream discharge at the concerned location were consistently observed. In view of no marine work activity was conducted and no exceedance on the subsequent monitoring, it was considered the exceedances were not related to Project.
- 6.4.5 Despite mud transhipment was conducted at Ex-WPCWA on 20 July 2015. Upstream discharge at the concern location were consistently observed. In view of no exceedance on the subsequent monitoring. It was considered the exceedance was not related to Project.
- 6.4.6 There was limit exceedances of turbidity recorded at C7 on 29 June 2015.
- 6.4.7 After checking with contractor, no marine activities were conducted in the vicinity of C7 monitoring station on 29 June 2015. In view of no marine work activity was conducted and no exceedance was recorded in the subsequence monitoring, it was considered the exceedances were not related to Project.



Contract no. HY/2009/19- Central- Wan Chai Bypass Tunnel (North Point Section) and Island Eastern Corridor Link

6.4.8 No exceedance was recorded in this reporting month.

# Contract no. HK/2012/08- Wan Chai Development Phase II – Central- Wan Chai Bypass at Wan Chai West

6.4.9 No exceedance was recorded in this reporting month.

Contract no. HY/2010/08 – Central - Wan Chai Bypass (CWB) – Tunnel (Slip Road 8)

- 6.4.10 There was limit exceedances of turbidity recorded at C7 on 29 June 2015.
- 6.4.11 After checking with contractor, no marine activities were conducted in the vicinity of C7 monitoring station on 29 June 2015. In view of no marine work activity was conducted and no exceedance was recorded in the subsequence monitoring, it was considered the exceedances were not related to Project.

### 6.5 Review of the Reasons for and the Implications of Non-compliance

- 6.5.1 There was no non-compliance from the site audits in the reporting period. The observations and recommendations made in each individual site audit session were presented in Section 8.
- 6.5.2 No non-compliances from monitoring was recorded in the reporting month.

#### 6.6 Summary of action taken in the event of and follow-up on non-compliance

6.6.1 There was no particular action taken since no non-compliance was recorded from the site audits in the reporting period.



am

# 7. Cumulative Construction Impact due to the Concurrent Projects

- 7.0.1. According to Condition 3.4 of the EP-356/2009, this section addresses the relevant cumulative construction impact due to the concurrent activities of the current projects including the Central Reclamation Phase III, Central-Wanchai Bypass and Island Eastern Corridor Link projects.
- 7.0.2. According to the Final EM&A Report of Central Reclamation Phase III (CRIII) for Contract HK 12/02, the major construction activities were completed by end of January 2014 and no construction activities were undertaken thereafter and the water quality monitoring was completed in October 2011 and no Project-related exceedance was recorded for air and noise monitoring. It can be concluded that cumulative construction impact due to the concurrent activities of the current projects with the Central Reclamation Phase III (CRIII) was insignificant.
- 7.0.3. According to the construction programme of Central-Wanchai Bypass at Wanchai West at the Central Reclamation Phase III area, construction of ELS and pipe pile wall, road works and drainage were performed in July 2015 reporting month. As no project related exceedance were recorded during the reporting period, cumulative construction impact due to the concurrent activities of the current projects with the Central Reclamation Phase III (CRIII) was considered as insignificant.
- 7.0.4. According to the construction programme of Wan Chai Development Phase II, Central-Wan Chai Bypass and Island Eastern Corridor Link projects, the major construction activities under Wan Chai Development Phase II were tunnel works, ELS works and culvert construction at Wan Chai East and removal of L-shape wall, D-wall construction and ELS works at Wan Chai West. The major construction activities under Central-Wan Chai Bypass and Island Eastern Corridor Link Projects were bridge construction and road works at Central Interchange, ELS works at Ex-PCWAW, ELS works and bowling green office demolition at Victoria Park, D- wall construction and ELS works at TS3, IEC demolition and tunnel works at North Point area in the reporting month.
- 7.0.5. No significant air impact from construction activities was anticipated in the reporting month. Besides, no project related exceedance was recorded during the air and noise environmental monitoring events in the reporting month. Thus, it is evaluated that the cumulative construction impact from the concurrent projects including Central Reclamation Phase III (CRIII), Wan Chai Development Phase II (WDII), Central-WanChai Bypass (CWB), Island Eastern Corridor Link projects (IECL) was insignificant.



# 8. Environmental Site Audit

- 8.0.1. During this reporting month, weekly environmental site audits were conducted for Contracts no. HK/2009/01, HK/2009/02, HY/2009/15, HY/2009/19, HK/2012/08 and HY/2010/08. No non-conformance was identified during the site audits.
- 8.0.2. Four site inspections for Contract no. HK/2009/01 were conducted on 2, 8, 16 and 22 July 2015 in reporting month. Results of these inspections and outcomes are summarized in *Table 8.1*.

ltem	Date	Observations	Action taken by Contractor	Outcome
150702_01		Drip tray shall be provided for oil container at Stage 3.	Oil container has been relocated to designated chemical storage area.	Completion as observed on 8 July 2015
150716_01		Drip tray shall be provided for oil container at Stage 3.	Oil container were taken away and disposed.	Completion as observed on 22 July 2015

### Table 8.1 Summary of Environmental Inspections for Contract no. HK/2009/01

- 8.0.3. Four site inspections for Contract no. HK/2009/02 were carried out on 2, 9, 15 and 23 July 2015 in reporting month. No particular finding was observed in this reporting month.
- 8.0.4. Four site inspections for Contract no. HY/2009/15 were carried out on 29 June, 7, 14 and 21 July 2015 in reporting month. The results of these inspections and outcomes are summarized in *Table 8.3*.

Table 8.3	Summary of Environmental Inspections for Contract no. HY/2009/15
-----------	--

Item	Date	Observations	Action taken by Contractor	Outcome
150629_1	29-Jun-2015	Provide covering to cement bags stored on site (EX-PCWAW)	Proper covering for cement bags was provided	Completion as observed on 7 July 2015
150707_1	7-Jul-2015	Clean the mud / dirt sitting on the edge of seawall and close to drainage system to prevent drop off and cause contamination to nearby water (EX-PCWA)	Mud residue at the edge of seawall was cleared	Completion as observed on 14 July 2015
150721_1	21-Jul-2015	The exhaust filter unit of the derrick barge was observed damaged with dark smoke emission		Completion as observed on 28 July 2015
150721_2	21-Jul-2015	Mud / Sediment resting at the edge of hopper barge shall be shovelled back into barge unit and avoid direct wash-off	No further direct wash off of mud residue was observed	Completion as observed on 28 July 2015



8.0.5. Four site inspections for Contract no. HY/2009/19 were carried out on 30 June, 8, 15 and 23 July 2015 in reporting month. Results of these inspections and outcomes are summarized in *Table 8.4*.

Table 8.4 Summary of Environmental Inspections for Contract no. HY/2009/19

Item	Date	Observations	Action taken by Contractor	Outcome
150630_1	30-Jun-15	Movable noise barrier shall be enhanced of north side of the	Movable noise barrier for shielding saw	Completion as observed on 8
		saw cutting works near City	cutting works was	July 2015
		Garden	provided	

8.0.6. Four site inspections for Contract no. HK/2012/08 were carried out on 30 June, 7, 14 and 21 July 2015 in this reporting period. The results of these inspections and outcomes are summarized in *Table 8.5* 

 Table 8.5
 Summary of Environmental Inspections for Contract no. HK/2012/08

ltem	Date	Observations	Action taken by Contractor	Outcome
150630_01	30-Jun-15	Drip tray shall be provided for oil container at MVB area.	Oil container has taken away and disposed at MVB area	Completion as observed on 7 July 2015
150630_02	30-Jun-15	Breaker shall be covered more properly with acoustic material at the area near the Hong Kong Convention and Exhibition Centre		Completion as observed on 7 July 2015
150630_03	30-Jun-15	Muddy trail on public road at site exit in Portion 2 shall be cleaned up and wheel washing shall conduct more adequately to avoid any generation of muddy trail to the public.	Wheel washing conducted properly and no muddy trail was observed on the public road.	Completion as observed on 21 July 2015
150630_04	30-Jun-15	Pilling rig and excavator at Zone B shall check and monitor for dark smoke emission	Pilling rig and excavator were checked and no dark smoke emission was further noted.	Completion as observed on 7 July 2015
150630_05	30-Jun-15	Silt curtains at water channel shall properly maintain to mitigate the water quality impact more effectively.	Silt curtain was properly deployed along the water channel.	Completion as observed on 7 July 2015
150707_01	7-Jul-15	Drip tray shall be provided for oil containers at Zone B	Drip tray is provided for oil container at Zone B	Completion as observed on 14 July 2015
150707_02		Floating refuses shall be collected at regular interval at HKCEC2W area	Floating refuses are cleared at HKCEC2W area.	Completion as observed on 14 July 2015
150721_01	21-Jul-15	Mitigation measure shall be implemented on the excavated slope at the water channel in order to protect the slop and	Silt curtain was deployed at the opening of the sheet pile enclosing the	Completion as observed on 28 July 2015



ltem	Date	Observations	Action taken by Contractor	Outcome
		avoid potential runoff impact and generation of muddy dispersion.	excavated area.	
150721_02	21-Jul-15	Floating debris from culvert L shall be cleaned.	Floating debris has removed at the water channel.	

8.0.7. Four site inspections for Contract no. HY/2010/08 were carried out on 2, 10, 16 and 23 July 2015 in this reporting period. The results of these inspections and outcomes are summarized in **Table 8.6** 

ltem	Date	Observations	Action taken by Contractor	Outcome
150702_1	2-Jul-15	Hoarding provided along the covered pedestrian walkway shall be of at least 2.4m tall according to the APCO requirement (TS3)		Pending for Contractor follow up action
150710_1	10-Jul-15	Chemical containers shall be provided with drip tray on properly planed within chemical storage area (TS3)	Chemical waste container have been removed	Completion as observed on 16 July 2015
150710_2	10-Jul-15	Muddy effluent and mud residue at the edge of seawall shall be cleaned to avoid runoff impact (TS3)	Mud residue and effluent at the critical area has been cleared	Completion as observed on 23 July 2015
150710_3	10-Jul-15	Three side and top cover shall be provided to grouting station(TS3)	Three side and top cover was provided to grouting station	Completion as observed on 16 July 2015
150716_1	16-Jul-15	Chemical containers shall be provided with drip tray (TS3)	Chemical waste container have been removed.	Completion as observed on 23 July 2015
150723_1	23-Jul-15	Cleaning of muddy water seepage shall be provided to covered	The pedestrian walkway was cleared from muddy water.	Completion as observed on 31 July 2015

Table 8.6 Summary of Environmental Inspections for Contract no. HY/2010/08

pedestrian walkway (TS3)



## 9. Complaints, Notification of Summons and Prosecution

- 9.0.1. There was one environmental complaint received in the reporting month.
- 9.0.2. A public complaint regarding malodour referred by EPD was received by ET on 23 July 2015 (EPD Ref.: H05/RS/00018040-15 dated 23 July 2015).

The complainant reported that malodour from marine sediment was scented at ex-Wanchai ferry pier near route 720 & 722 bus stop. (Contract HK/2009/02). ET confirmed with the Resident Site Staff that Rockfill placing works was conducted by one derrick barge at the concerned location (WCR3) under Contract HK/2009/02 on 20 July 2015. No marine sediment was stored or placed on site at the concerned location under Contract HK/2009/02 on 20 July 2015.

According to the relevant site records under Contract HK/2009/02, rockfill placing works was conducted by one derrick barge at WCR3 area on 20 July 2015 and no marine sediment was stored or placed on site at the concerned location on the concerned date.

Follow-up inspection was conducted during weekly environmental inspection on 29 July 2015. No marine sediment was observed stored or placed at the concerned location while it was noted that a culvert outfall with potential odour concern is located adjacent to the concerned location.

- 9.0.3. Nevertheless, the Contractor was reminded to review the handling procedures in case of any future marine sediment handling at the concerned location and to consider the implementation of mitigation measures as appropriate to minimize potential malodour impact to nearby public.
- 9.0.4. The details of cumulative complaint log and updated summary of complaints are presented in <u>Appendix 9.1</u>
- 9.0.5. Cumulative statistic on complaints and successful prosecutions are summarized in *Table 9.1* and *Table 9.2* respectively.

Reporting Period	No. of Complaints
Commencement works (Mar 2010) to last reporting month	36
July 2015	1
Total	37

### Table 9.1 Cumulative Statistics on Complaints

Table 9.2	Cumulative	Statistics	on Successful	Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Successful Prosecutions this month (Offence Date)	Cumulative No. Project-to-Date
Air	-	0	0
Noise	-	0	0
Water	-	0	0
Waste	-	0	0
Total	-	0	0



# 10. Conclusion

- 10.0.1. The EM&A programme was carried out in accordance with the EM&A Manual requirements, minor alterations to the programme proposed were made in response to changing circumstances.
- 10.0.2. The scheduled construction activities and the recommended mitigation measures for the coming month are listed in *Table 10.1*.

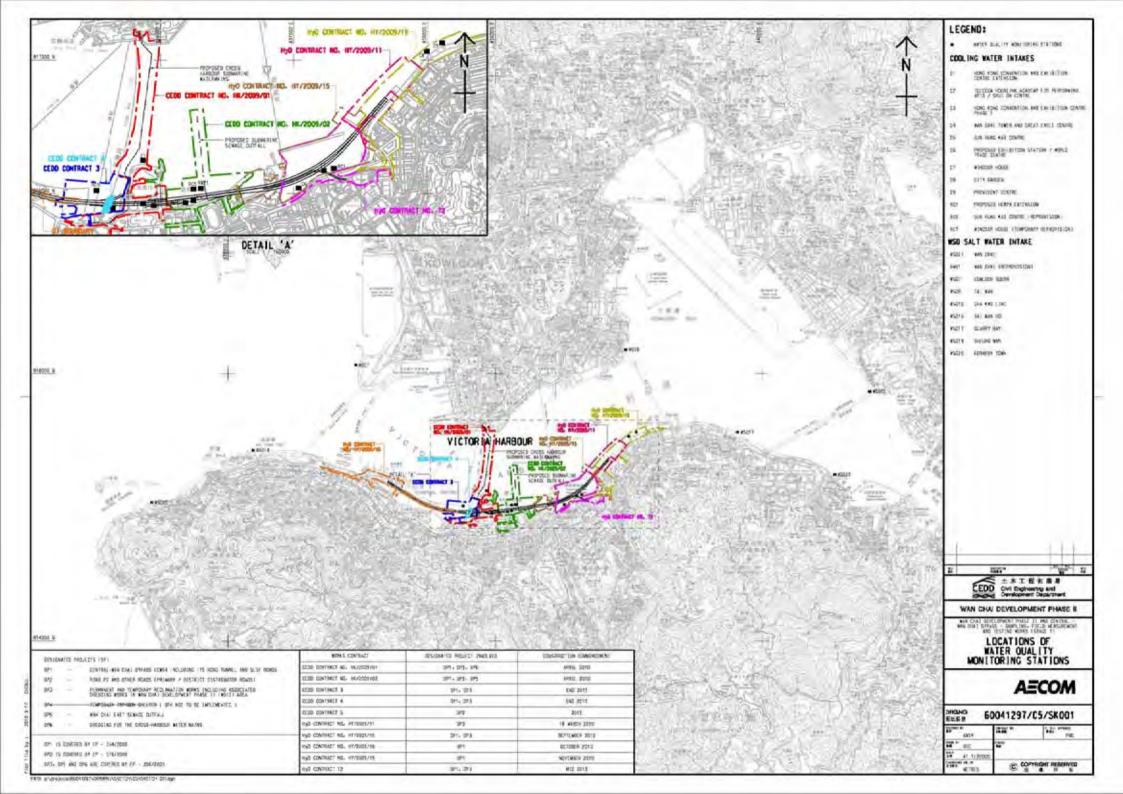
Table 10.1Construction Activities and Recommended Mitigation Measures in Coming Reporting Month			
Contract No.	Key Construction Works	<b>Recommended Mitigation Measures</b>	

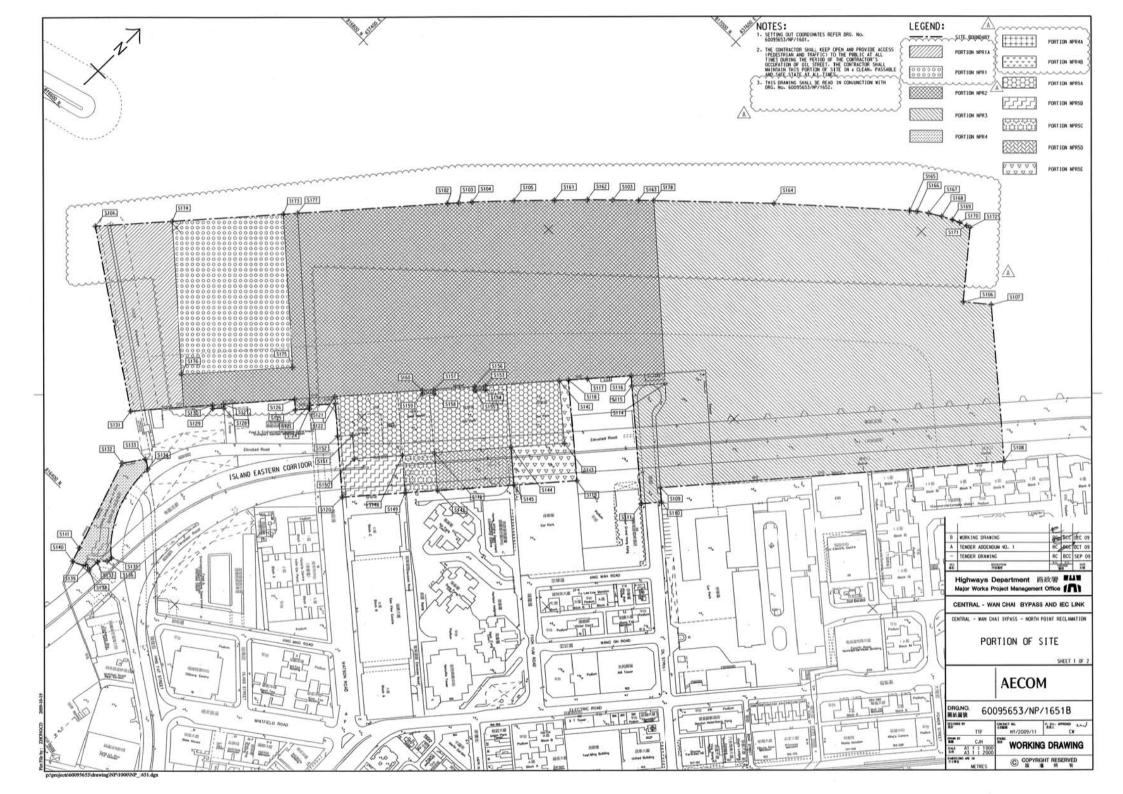
Contract No.	Key Construction Works	Recommended Mitigation Measures	
HK/2009/01	• Nil	• Nil	
HK/2009/02	<ul> <li>Construction of Seawall at WCR3</li> <li>Reclamation at WCR3</li> <li>Demolition of remaining part of existing Wan Chai Ferry Pier</li> </ul>	• Nil	
HY/2009/15	Reinstatement of vertical seawall     at TPCWAE	<ul> <li>Daily visual inspection of silt screen and silt curtain to ensure its operation properly</li> <li>Implement silt curtain in accordance with the associated plans submitted to EPD.</li> </ul>	
HY/2009/19	• Nil	• To space out noisy equipment and position as far as possible from sensitive receiver.	
HK/2012/08	<ul> <li>Dry dock construction</li> <li>Installation of pipe pile wall</li> <li>Removal of temporary piling platform for culvert diversion</li> <li>Construction of culvert</li> </ul>	<ul> <li>To conform the installation and setting as in the silt screen and silt curtain deployment plan</li> <li>To space out noisy equipment and position as far as possible from sensitive receiver.</li> <li>Daily visual inspection of silt screen and silt curtain to ensure its</li> </ul>	
HY/2010/08	Diversion pipe maintenance	<ul> <li>operation properly</li> <li>To conform the installation and setting as in the silt screen and silt curtain deployment plan</li> <li>Daily visual inspection of silt screen and silt curtain to ensure its operation properly</li> </ul>	

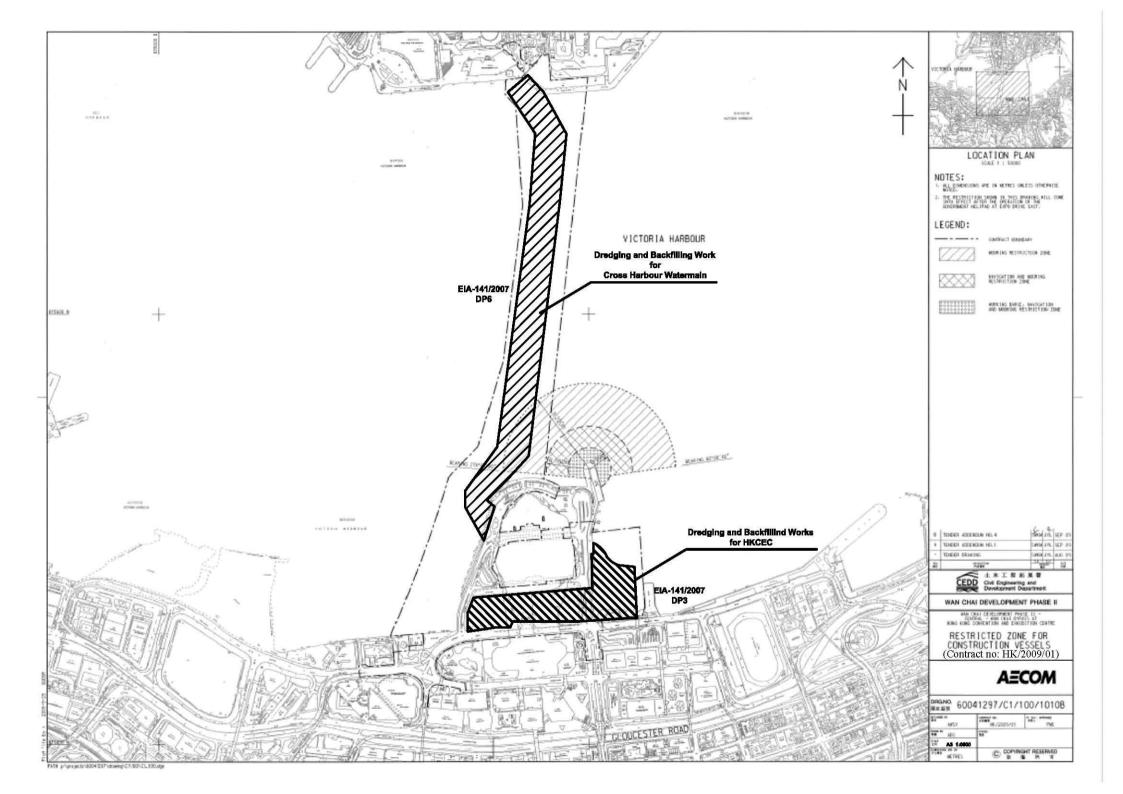


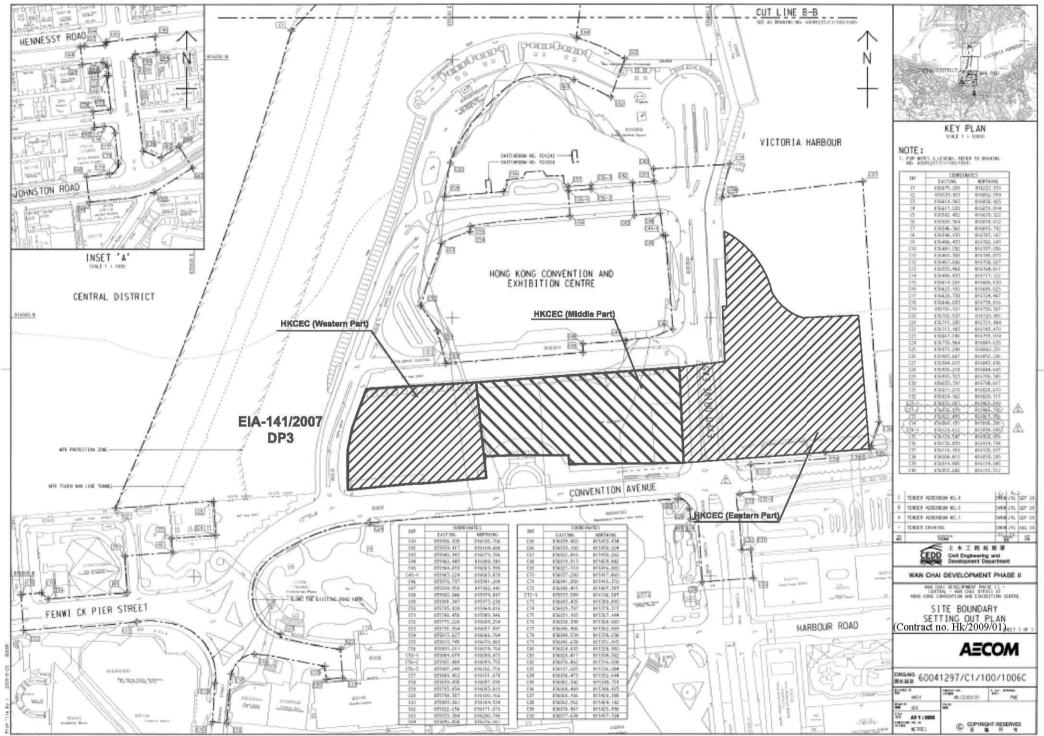
Figure 2.1

Project Layout

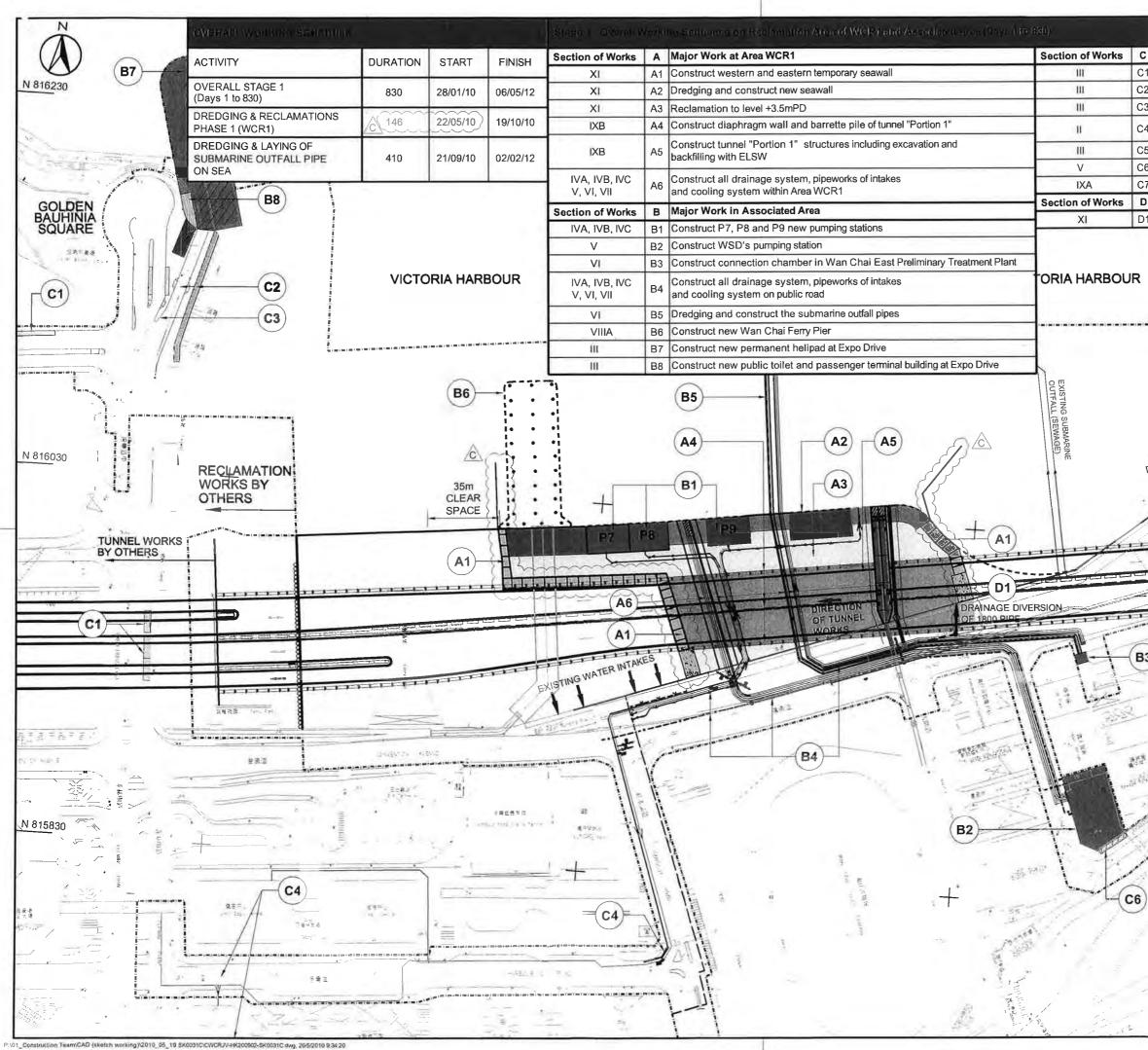




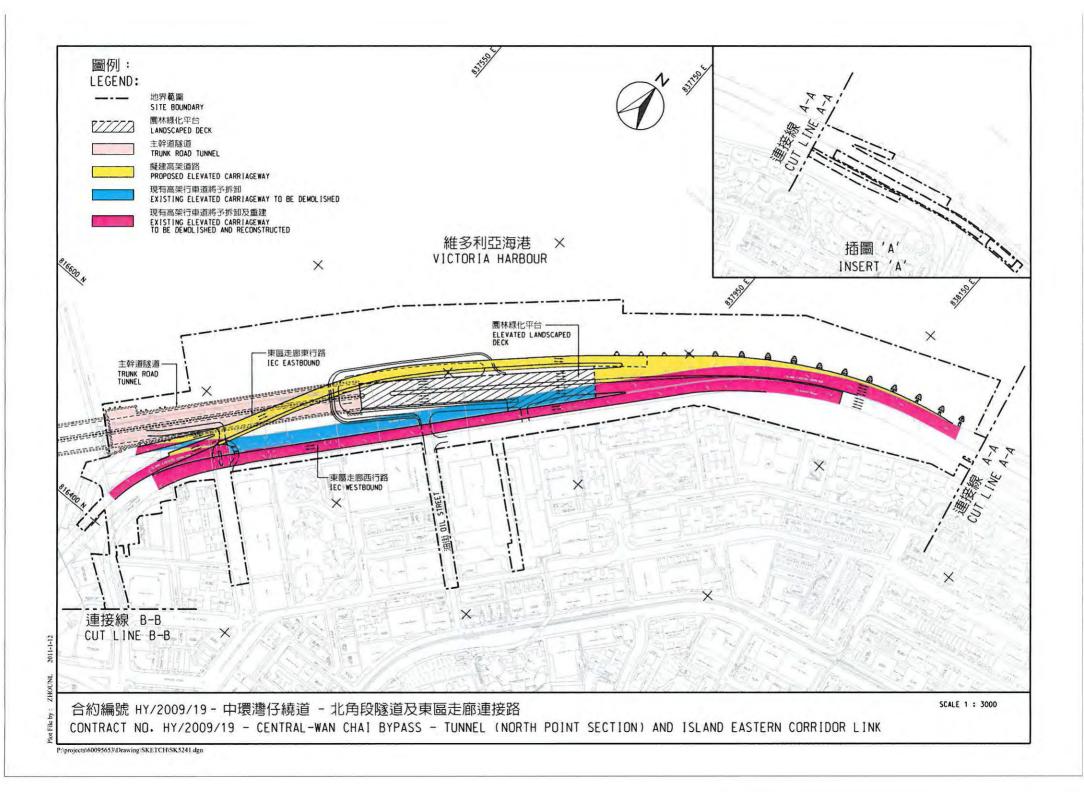


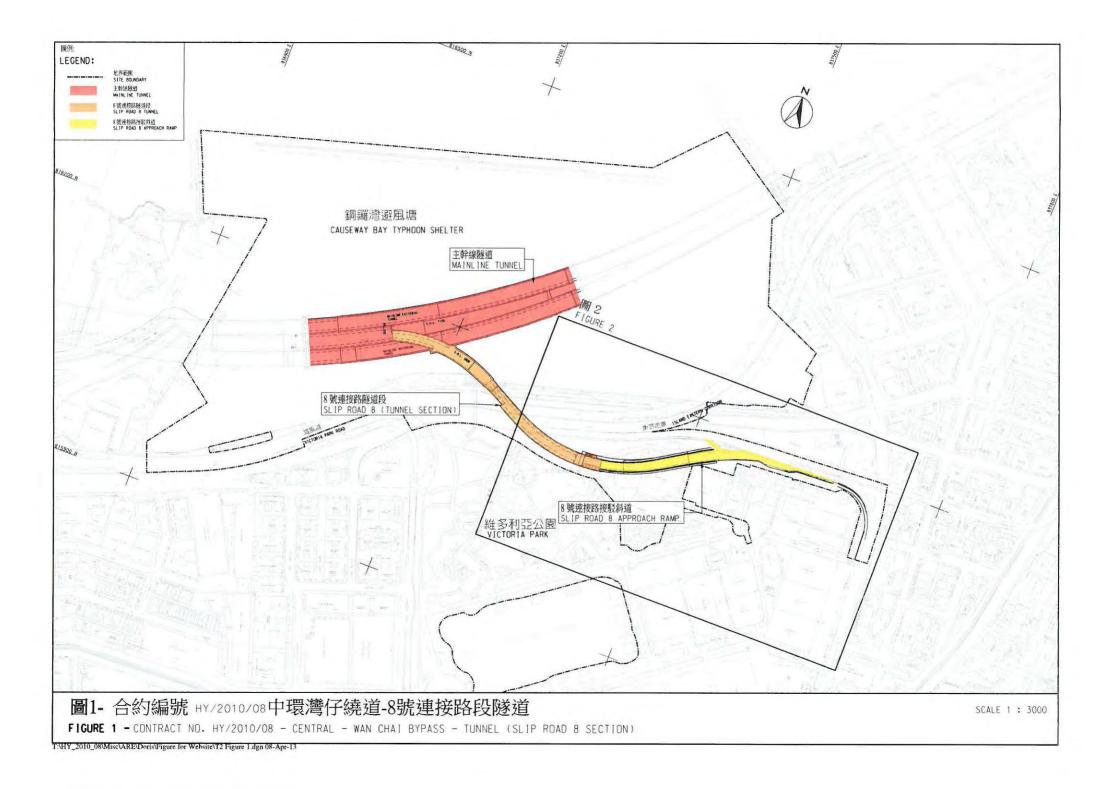


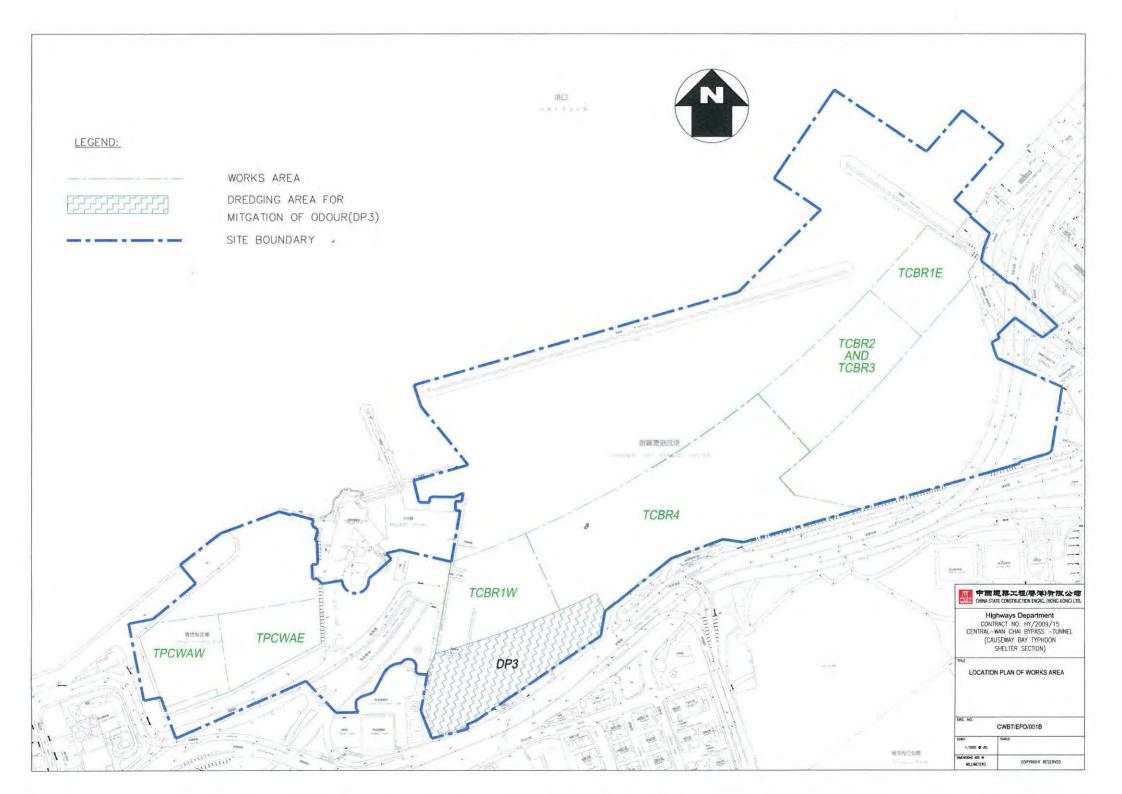
FATH prigrations/600482875/training/CATE/PCL.0085.eps



С	Other Miscellaneous Works	
C1	Construct new taxi and coach bus I	parking space at Expos Drive East
C2		all and provide new EVA at Expo Drive
C3	Road re-alignment work on existing	
C4	Road improvement work at junction	of Harbour Road /
-	Tonnochy Road and Fleming Road	
C5	Demolition of existing above groun	
C6	Demolition of existing staircase of f	
C7	Demolition of existing temporary he	sipad at ex-PCWA
D1	Other Temporary Works Divert existing 1800 mm diameter of	Irain nine
२		
ED	XISTING SCHARGE	
1	BY OTHER	
en e	TAN//A	
and the second	14H	
1	11111111	
<b>B</b> 3		C 19/05/2010 WORKING SCHEDULE UPDATED &
Q		TEMPORARY SEAWALL LAYOUT REVISED B 14/04/2010 SECTION OF WORKS ADDED
	~ ~ ~ 11 M	A 08/04/2010 AS MARKED & TITLE BLOCK UPDATED
		REV DATE DESCRIPTION
	1141	
~	1111	1.1.1.1
an -	and the	ENGINEERS REPRESENTATIVE
<b>新聞</b>	- 1 min Vis	
2	Stand Internet	CONTRACTOR
1ª	11 INA	後和一中國中鐵聯營 CHUN WO-CRGL JOINT VENTURE
1	1º 1 th	PROJECT CONTRACT NO. HK/2009/02
1		WAN CHAI DEVELOPMENT PHASE II
1		CENTRAL - WAN CHAI BYPASS AT WAN CHAI EAST
6)	The Same and	DRAWING TITLE
		DETAILED WORKS SCHEDULE AND LOCATION PLAN - STAGE 1
	- The	DESIGN DRAWN CHECKED
	1.6	INITIAL M.S.SIN -
-		DRAWING NO. REV
-	0 20 40 60m	CWCRJV/HK200902/SK0031 C
	1:2000 SCALE BAR	BCALE 1:2000 (A3) COPYRIGHT RESERVED







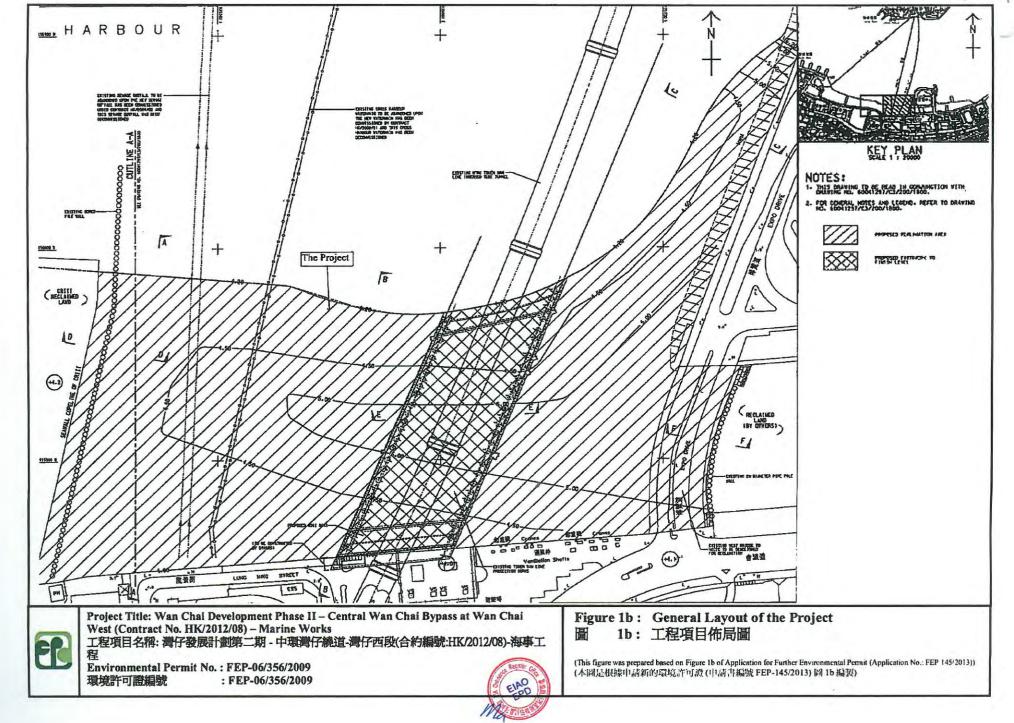




Figure 2.2

Project Organization Chart



## **Project Organization Chart**

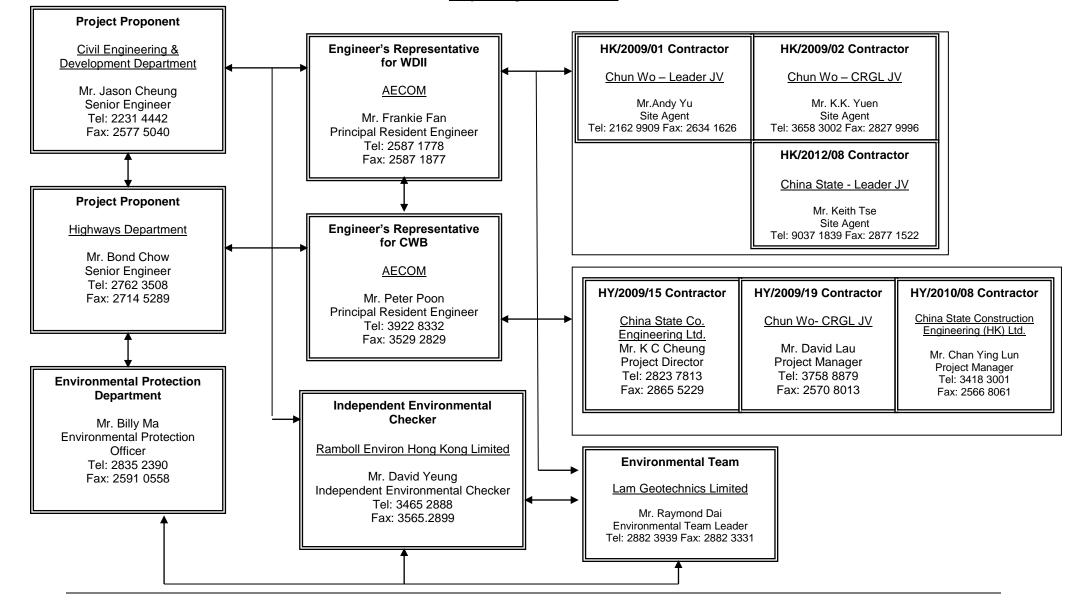
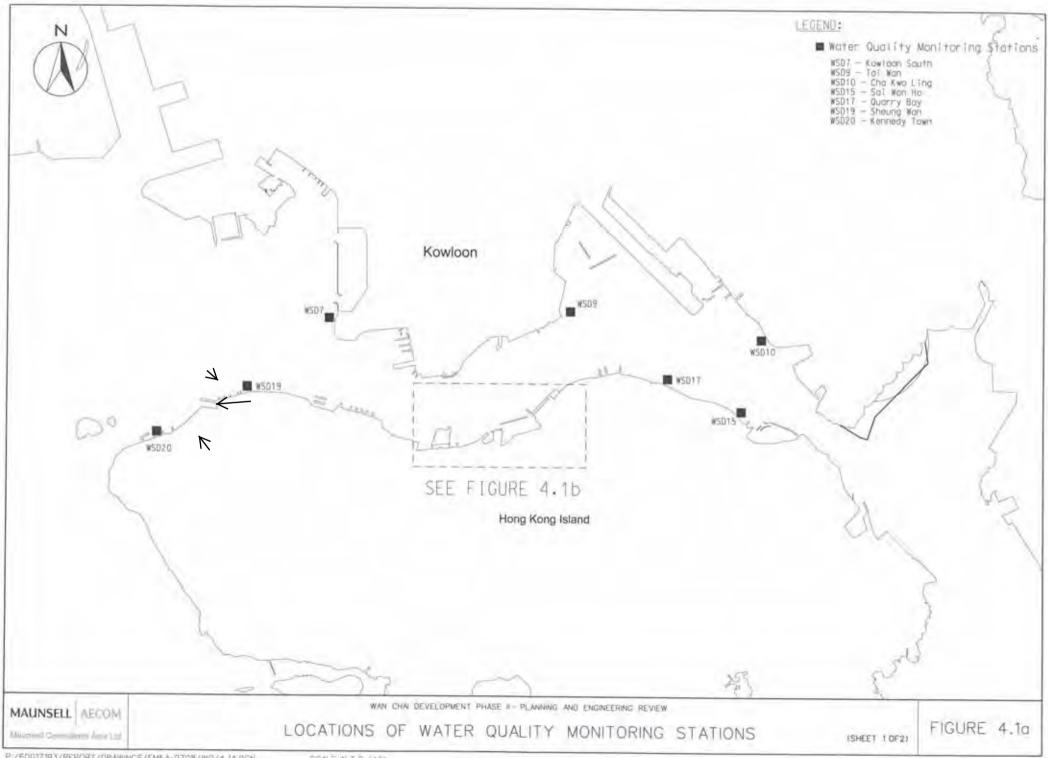




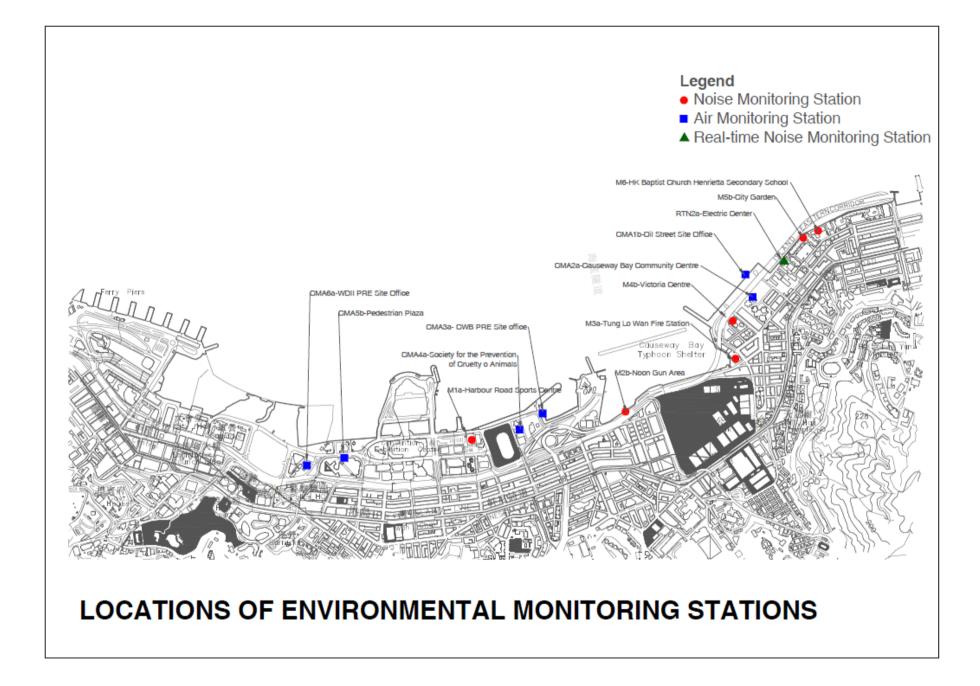
Figure 4.1

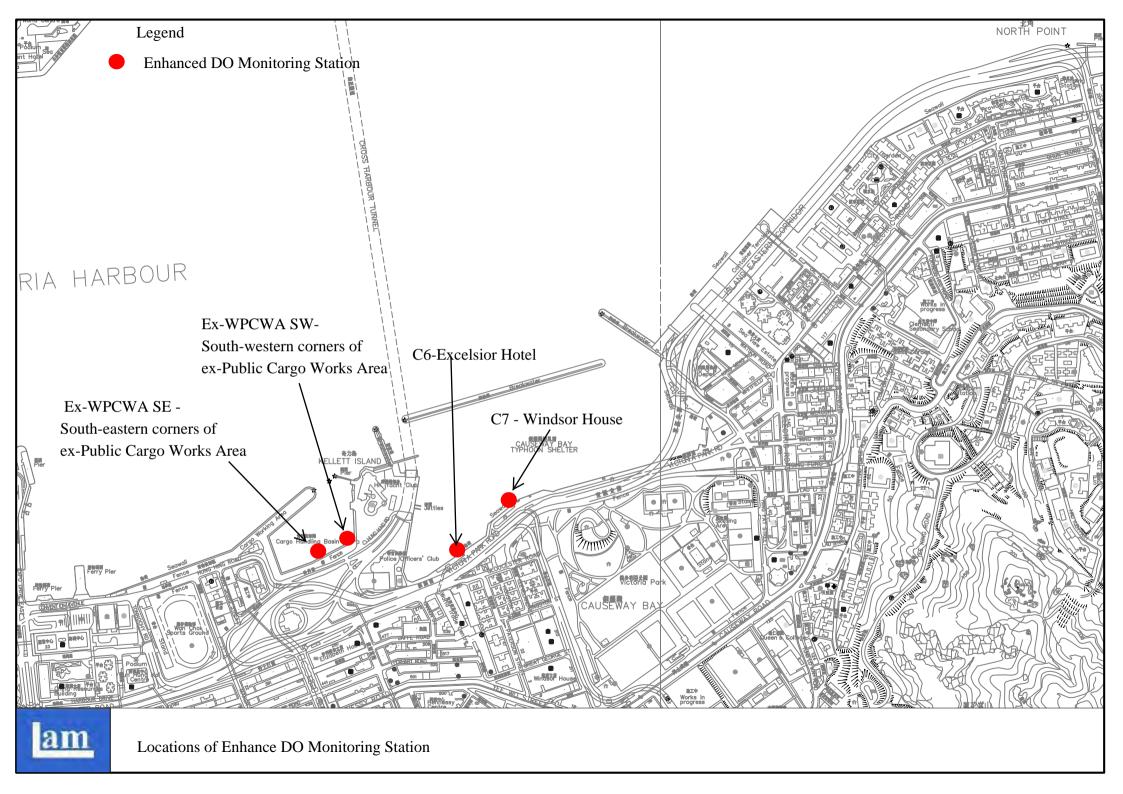
Locations of Monitoring Stations

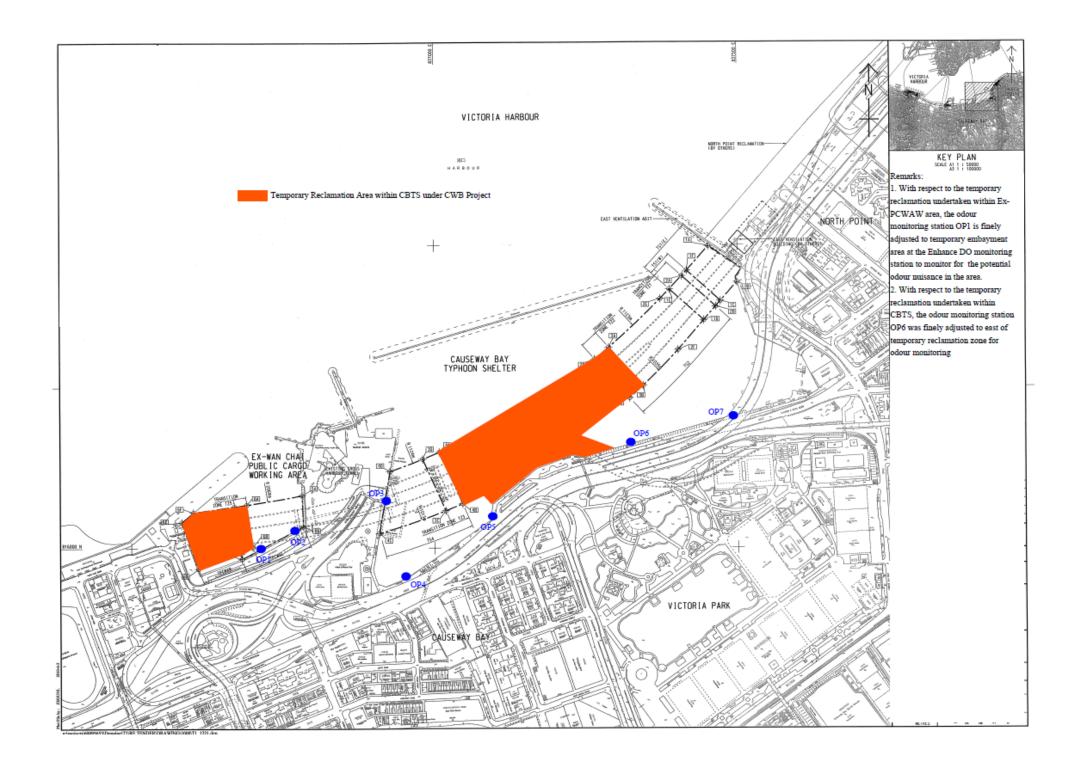


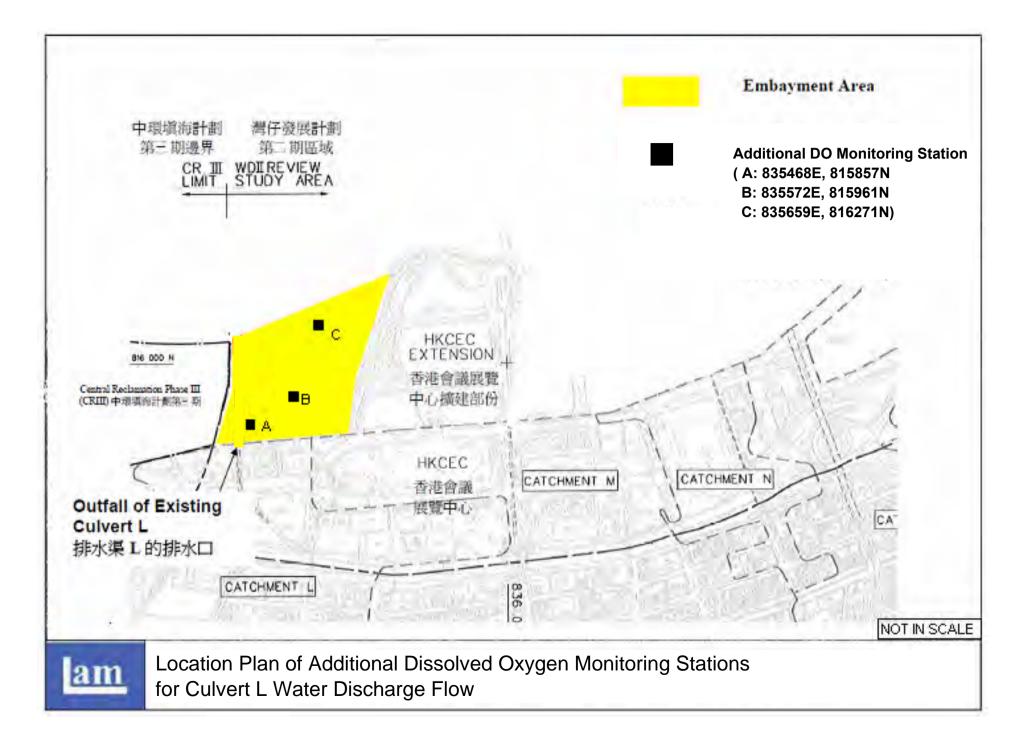
P:/60017193/REPORT/DRAWINGS/EM6A/0708/W0/4 IA:DGN

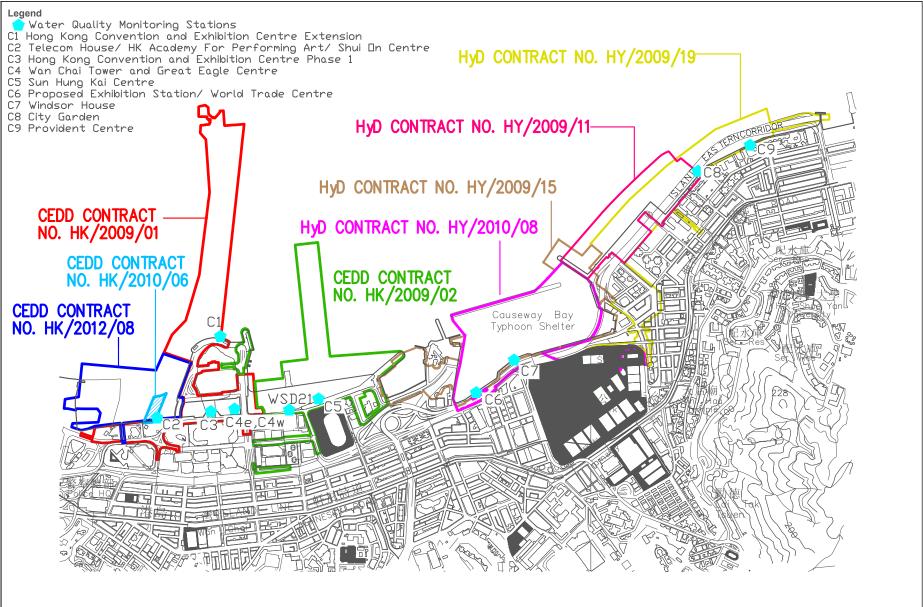
SCALE N.T.S. (AS)



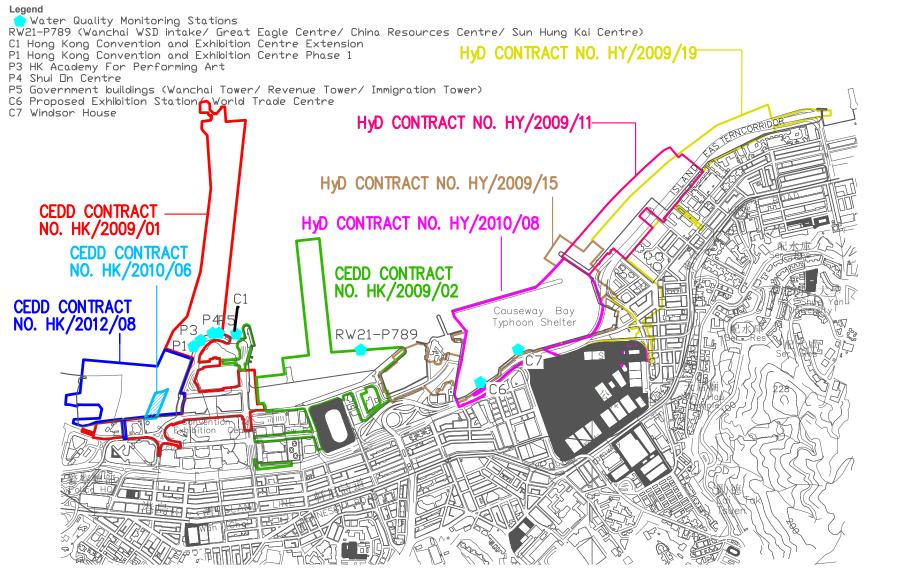




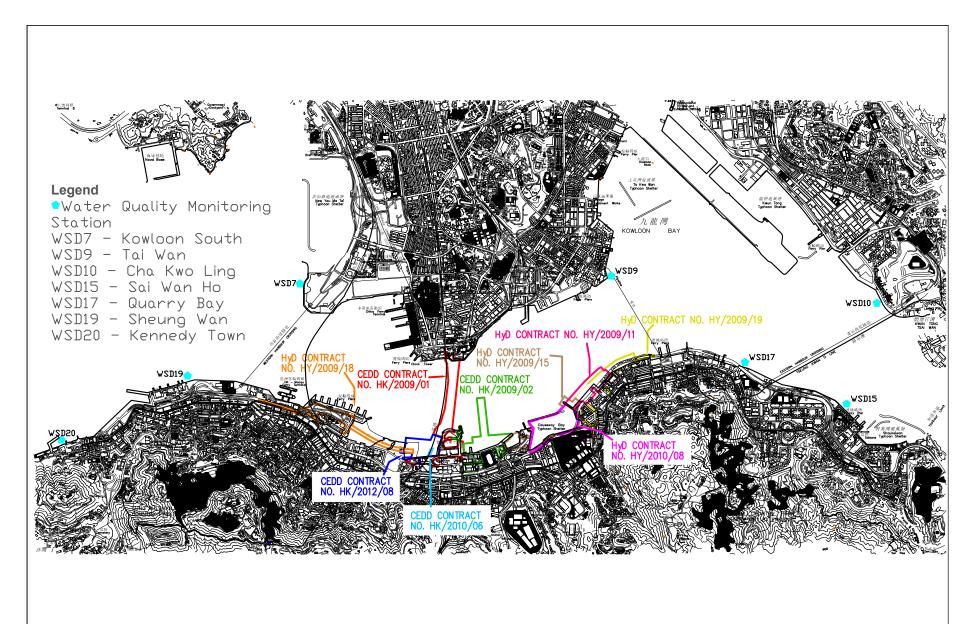




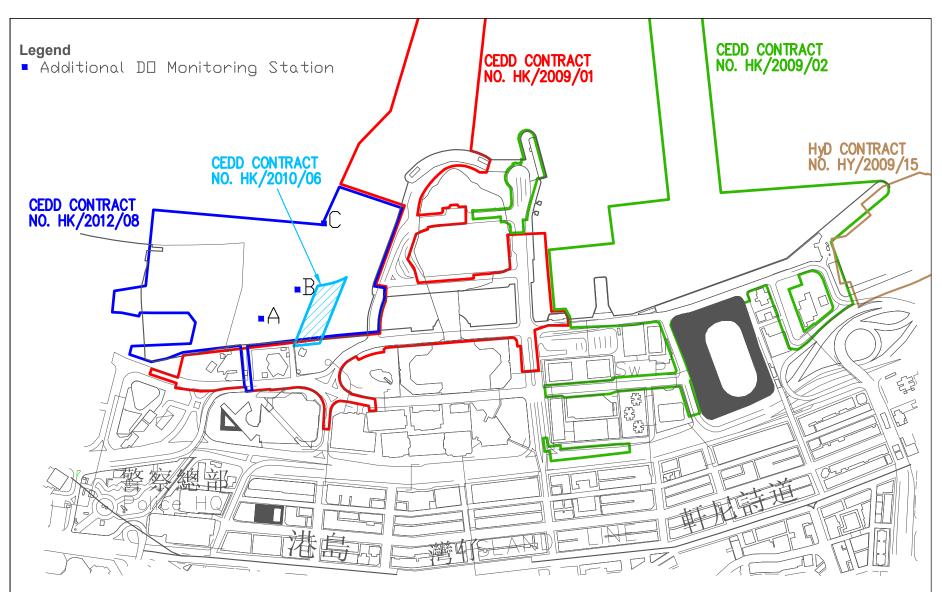
# LOCATIONS OF WATER QUALITY MONITORING STATIONS



## LOCATIONS OF WATER QUALITY MONITORING STATIONS



## LOCATIONS OF WATER QUALITY MONITORING STATIONS



## LOCATIONS OF ADDITIONAL DISSOLVED OXYGEN MONITORING STATIONS FOR CULVERT L WATER DISCHARGE FLOW



Appendix 3.1

Environmental Mitigation Implementation Schedule

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Implementation Schedule for Air Quality Control

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	Implementation Stages*			Relevant Legislation	
201100		Location / Thing	Agent	Des	С	0	Dec	and Guidelines
Constructio		•						
For the Wh								1
\$3.6.5	Four times a day watering of the work site with active operations.	Work site / during construction	Contractor		V			EIAO-TM
S3.8.1	<ul> <li>Implementation of dust suppression measures stipulated in Air Pollution Control (Construction Dust) Regulation. The following mitigation measures, good site practices and a comprehensive dust monitoring and audit programme are recommended to minimise cumulative dust impacts.</li> <li>Strictly limit the truck speed on site to below 10 km per hour and water spraying to keep the haul roads in wet condition;</li> <li>Watering during excavation and material handling;</li> <li>Provision of vehicle wheel and body washing facilities at the exit points of the site, combined with cleaning of public roads where necessary; and</li> <li>Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.</li> </ul>	Work site / during construction	Contractor		V			

## Appendix 3.1

Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	Implementation Stages*			on	Relevant Legislation
	g		Agent	Des	С	0	Dec	and Guidelines
\$3.5.6	For the dredging activities carried out in the vicinity of Police Officers' Club, the dredging operation will be restricted to only 1 small close grab dredger to minimise the odour impact during the dredging activity. The dredging rate should be reduced as much as practicable for the area in close proximity to the Police Officers' Club. The sediments contain highly contaminated mud which may be disposed with the use of geosynthetic containers (details shall refer to Section 6), grab dredger has to be used for filling up the geosynthetic containers on barges. the dredging rate for the removal of the sediments at the south-west corner of the typhoon shelter shall be slowed down or restricted to specific non-popular hours in weekdays when it is necessary during construction.	Corner of CBTS/implementation of harbour-front enhancement	CEDD <sup>1</sup>		V			EIAO-TM
\$3.8.8	Carry out dredging at the corner of CBTS to remove the sediment and clean the slime attached on the CBTS shoreline seawall	Corner of CBTS & CBTS shoreline seawall/implementation of harbour-front enhancement	CEDD <sup>2</sup>		V			EIAO-TM
Operation 1	Phase	1	1	1				1
For the Wh	ole Project							

<sup>&</sup>lt;sup>1</sup> CEDD will identify an implementation agent.

<sup>&</sup>lt;sup>2</sup> CEDD will identify an implementation agent.

#### Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures Location / Timin	Location / Timing	Implementation	In		entati ges*	on	Relevant Legislation
		Liocation, Thing	Agent	Des	С	0	Dec	and Guidelines
\$3.10.2	Monthly (from July to September) monitoring of odour impacts, for a period of 5 years, is proposed during the operational phase of the Project to ascertain the effectiveness of the Enhancement Package over time, and to monitor any on- going odour impacts at the ASRs.	Planned ASRs (CBTS Breakwater)/First 5-year period of operation phase	CEDD <sup>1</sup>			V		EIAO-TM
For DP1 -	CWB (Within the Project Boundary)							
S3.6.53 – S3.6.54	The design parameters of the East and Central Ventilation Buildings as set in Tables 3.10 and 3.11	East and Central Ventilation Buildings / During operation of the Trunk Road	HyD			V		
\$3.10.2	Air quality monitoring for the operation performance of the East Ventilation Building and associated East Vent Shaft will be conducted.	East Vent Shaft / During operation of the East Ventilation Building and associated East Vent Shaft	HyD			V		EIAO-TM

• Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

Appendix 3.1

Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Monthly EM&A Report

## Table A13.2 Implementation Schedule for Noise Control

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing Implementation Stages*				Relevant Legislation						
		Location, Thing	Agent	Des	С	0	Dec	and Guidelines				
Constructio	n Phase											
For the Who	ole Project											

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	In	nplem Sta	entati ges*	on	Relevant Legislation								
		Location, Thing	Agent	Des	С	0	Dec	and Guidelines								
S4.9.4	Good Site Practice:	Work Sites / During	Contractor		$\checkmark$			EIAO-TM, NCO								
	• Only well-maintained plant shall be operated on-site and plant shall be serviced regularly during the construction program.	Construction	Construction													
	<ul> <li>Silencers or mufflers on construction equipment shall be utilized and shall be properly maintained during the construction program.</li> </ul>															
	• Mobile plant, if any, shall be sited as far away from NSRs as possible.															
	• Machines and plant (such as trucks) that may be in intermittent use shall be shut down between works periods or shall be throttled down to a minimum.															
	<ul> <li>Plant known to emit noise strongly in one direction shall, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.</li> </ul>															
	• Material stockpiles and other structures shall be effectively utilized, wherever practicable, in screening noise from on- site construction activities.															
For DP1 –	CWB (Within the Project Boundary)															

## Appendix 3.1

Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	Ir	nplem Sta	entati ges*	on	Relevant Legislation
		0	Agent	Des	С	0	Dec	and Guidelines
\$4.8.3 – \$4.8.5	<ul> <li>Use of quiet powered mechanical equipment, movable noise barrier and temporary noise barrier for the following tasks:</li> <li>Slip road 8 tunnel</li> <li>Construction of diaphragm wall and substructures of the tunnel approach ramp</li> <li>Excavation</li> <li>Construction of slabs</li> <li>Backfill</li> <li>Demolition and construction of substructures for the IEC</li> <li>Demolition works of existing piers and crossheads of the marine section of the existing IEC</li> <li>Use of PME grouping for the following tasks:</li> <li>At-grade road construction</li> <li>Substructure for IECL connection</li> </ul>	Work Sites / During Construction	Contractor		~			EIAO-TM, NCO
For DP2 –	WDII Major Roads (Road P2)							
S4.8.3 – S4.8.4	Use of quiet powered mechanical equipment, movable noise barrier and temporary noise barrier for the following tasks: • Temporary road diversion • Resurfacing • At-grade roadwork	Work Sites / During Construction	Contractor		V			EIAO-TM, NCO
For DP3 –	Reclamation Works							
S4.8.3 – S4.8.4	Use of quiet powered mechanical equipment for the following task: Filling behind seawall Seawall construction	Work Sites / During Construction	Contractor		V			EIAO-TM, NCO

## Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	Implementation Stages*			on	Relevant Legislation
LITRO	Environmental Protection Measures / Mugation Measures	Docution / Thining	Agent	Des	С	0	Dec	and Guidelines
For DP5 -	Wan Chai East Sewage Outfall							
S4.8.3 – S4.8.4	Use of quiet powered mechanical equipment for the following tasks: • Submarine pipelines (marine section)	Work Sites / During Construction	Contractor		V			EIAO-TM, NCO
	<ul><li>Use of quiet powered mechanical equipment and movable noise barrier for the following tasks:</li><li>Installation of a new pipeline (land section)</li></ul>							
For DP6 -	Cross-Harbour Water Mains from Wan Chai to Tsim Sha Tsui							
S4.8.3 – S4.8.4	Use of quiet powered mechanical equipment for the following tasks: • Submarine pipelines (marine section) •	Work Sites / During Construction	Contractor					EIAO-TM, NCO

## Appendix 3.1

Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing		In		entati ges*	Relevant Legislation	
			Agent	Des	С	0	Dec	and Guidelines
Operation	Phase							
For DP1 -	CWB (Within the Project Boundary)							

## Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	In	nplem Sta	entati ges*	on	Relevant Legislation
		Liocation, Thing	Agent	Des	С	0	Dec	and Guidelines
S4.8.14 - S4.8.18	<ul> <li>For Existing NSRs</li> <li>about 235m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC</li> <li>about 230m length of noise semi-enclosure with transparent panel covering the main carriageways (eastbound and westbound) of the CWB and IEC</li> <li>about 135m length of 5.5m high cantilevered noise barrier with 3m cantilever inclined at 45° with transparent panel on the eastbound slip road to the IEC</li> <li>about 95m length of 5.5m high cantilevered noise barrier with 1m cantilever inclined at 45° with transparent panel on the eastbound slip road to the IEC</li> <li>about 95m length of 3.5m high vertical noise barrier with 1m cantilever inclined at 45° with transparent panel on the eastbound slip road to the IEC</li> <li>about 350m length of 3.5m high vertical noise barrier with transparent panel on the eastbound slip road to the IEC</li> <li>low noise road surfacing for the trunk road (except tunnel section and beneath the landscaped deck at the eastern portal area) with speed limit of 70 km/hour</li> <li>For Future/Planned NSRs</li> <li>about 265m length of noise semi-enclosure with transparent panel covering the westbound slip road from the IEC</li> </ul>	Near North Point / Before commencement of operation of road project In between the Electric Centre (next to City Garden) and CDA(1) site / Before occupation of	HyD	Des √	C √		Dec	EIAO-TM
	panel covering the westbound slip road from the IEC	/ Before occupation of Planned NSRs in CDA and CDA(1) sites.						

## Appendix 3.1

## Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Monthly EM&A Report

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing Implementation	In	nplem Sta		on	Relevant Legislation	
	en e		Agent	Des	С	0	Dec	and Guidelines
	• The openable windows of the temple, if any, should be	Near Causeway Bay Fire	Project					
	orientated so as to avoid direct line of sight to the existing	Station / During detailed	Proponent for					
	Victoria Park Road as far as practicable.	design of the re-	the					
		provisioned Tin Hau	re-provisioned					
		Temple	Tin Hau Temple					

\* Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

\* Only the steel frame for this section of noise semi-enclosure would be erected in advance during the construction of the westbound slip road.

## Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

## Table A13.3 Implementation Schedule for Water Quality Control

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location /	Implementation	In	•	entatio ges*	on	Relevant Legislation
		Timing	Agent	Des	С	0	Dec	and Guidelines
Constructio	n Phase							
	Reclamation Works, DP5 (Wan Chai East Sewage Outfall), DP6 (Cross-Harbo	our Water Mains	from Wan Chai to 1	Tsim Sh	a Tsu	i), DP.	1 - CW	B (within the Project
Boundary) S5.8	A phased reclamation approach is planned for the WDII. Containment of fill within each of the reclamation phases by seawalls is proposed, with the seawall constructed first (above high water mark) with filling carried out behind the completed seawalls. Any gaps that may need to be provided for marine access will be shielded by silt curtains to control sediment plume dispersion away from the site. Filling for seawall construction should be carried out behind the silt curtain	Work site / During the construction period	Contractor		V			EIAO-TM, WPCO
\$5.8	<ul> <li>Dredging shall be carried out by closed grab dredger for the following works:</li> <li>Seawall construction in all the reclamation areas;</li> <li>Construction of the CWB Tunnel</li> <li>Construction of the proposed WSD water mains; and</li> <li>Construction of the proposed Wan Chai East sewage outfall pipelines.</li> </ul>	Work site / During the construction period	Contractor		V			EIAO-TM, WPCO
\$5.8, Figure 5.3	<ul> <li>Dredging for the Wan Chai East sewage outfall pipelines shall not be carried out concurrently with the following activities:</li> <li>Dredging along the proposed cross-harbour water mains;</li> <li>Dredging along the seawall in the Wan Chai Reclamation (WCR) zone (area between HKCEC Extension and PCWA).</li> </ul>	Work site / During the construction period	Contractor		$\checkmark$			EIAO-TM, WPCO

Appendix 3.1

#### Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Pro	tection Measures / I	Mitigatio	n Measures		Location /	Implementation	In	nplem Sta	entati ges*	ion	Relevant Legislation	
						Timing	Agent	Des	С	0	Dec	and Guidelines	
S5.8	The water body behi typhoon shelter shal	1 2		s within the	Causeway Bay	Work site / During the construction period	Contractor		V			EIAO-TM, WPCO	
\$5.8	As a mitigation mea within the tempor impermeable barrier and extending dowr the HKCEC1 com discharge flows fro contractor will ma HKCEC2W are carr	ary embayment be r, suspended from a n to the seabed, will mences. The bar om Culvert L to the aintain this barrier	etween C floating be erecter rier will e outside until t	CRIII and boom on the ed by the co channel the of the emb he reclamat	HKCEC1, an e water surface ntractor before he stormwater payment. The tion works in	Work site / During the construction period	Contractor		1			EIAO-TM, WPCO	
S5.8, Figure 5.3	The total dredging r than the maximum production rates with	production rates state	ed in the	table below.		Work site / During the construction period	Contractor		V			EIAO-TM, WPCO	
	Reclamation Area			um Dredging Rate m <sup>3</sup> per	Maximum Dredging Rate								
		m <sup>3</sup> per hour (m <sup>3</sup> per day (for 16 hrs week) per day)											
	Dredging along seawal										1		
	North Point Shoreline Zo		6,000	375	42,000						1		
	Causeway Bay	TBW	1,500	94	10,500	500					1		
	Shoreline Zone	TCBR	6,000	375	42,000							1	
	PCWA Zone		5,000	313	35,000								

#### Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures		Location /	Implementation	In		entati ges*	on	Relevant Legislation		
		Inguno	in inicustines		Timing	Agent	Des	С	0	Dec	and Guidelines
	Wan Chai Shoreline Zone (WCR)           HKCEC Shoreline Zone         HKCEC Stage 1 & 3           (HKCEC)         HKCEC Stage 2           Cross Harbour Water Mains	6,000 1,500 6,000 1,500	375 94 375 94	42,000 10,500 42,000 10,500							
	Wan Chai East Submarine Sewage Pipeline           Note:         1,500 m <sup>3</sup> per day shall be applied	1,500	94	10,500							
S5.8, Figure 5.3	Dredging along the seawall at WCR1 1,500m <sup>3</sup> per day for construction of the proximity of the WSD intake), followed b western seawall (above high water mark much as possible from further dredging a	western y partial ) to prot	seawall (wh seawall con	tich is in close struction at the	Work site / During the construction period	Contractor		V			EIAO-TM, WPCO
S5.8, Figure 5.3	For dredging within the Causeway Bay partially constructed to protect the nea dredging activities. For example, at T seawalls shall be constructed first (abc seawater intakes at the inner water would the remaining dredging activities along the	rby seav CBR1W, ove high be prote	the southe water mar	s from further rn and eastern k) so that the e impacts from	Work site / During the construction period	Contractor		V			EIAO-TM, WPCO
S5.8, Figure 5.3	Silt curtains shall be deployed around seawall dredging and seawall trench filli TCBR and NP.				Work site / During the construction period	Contractor		V			EIAO-TM, WPCO
S5.8, Figure 5.3	2009 with concurrent Bay, Sheung W dredging activities at <b>Cooling water</b>	oplication er intake Van, Wan r intakes	s at Sai Wa Chai, Kowloo for Hong Ko	an Ho, Quarry	Work site / During the construction period	Contractor		$\checkmark$			EIAO-TM, WPCO

#### Appendix 3.1

Monthly EM&A Report

Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Implementation Location / Implementation Relevant Legislation Stages\* EIA Ref **Environmental Protection Measures / Mitigation Measures** Timing Agent and Guidelines Des С 0 Dec TBW, NP and Water Convention and Exhibition Centre Phase I, Telecom Mains Zone House / HK Academy for Performing Arts / Shun On Centre, Wan Chai Tower / Revenue Tower / Immigration Tower and Sun Hung Kai Centre Scenario 2B in late WSD saltwater intakes at Sheung Wan, Wan Chai 2009/2010 with Cooling water intakes for Queensway Government Offices, Excelsior Hotel, World Trade Centre and concurrent dredging activities Sewage Windsor House. at Zone Pipelines and TCBR. Scenario 2C in 2011 with WSD saltwater intakes at Sheung Wan and Reprovisioned WSD Wan Chai saltwater intake. concurrent dredging activities at HKCEC and Cooling water intakes for MTR South, Excelsion Hotel & World Trade Centre and reprovisioned TCBR. Windsor House. ProPECC PN 1/94; S5.8 Work site / Contractor  $\sqrt{}$ Other mitigation measures include: WPCO (TM-DSS) During the mechanical grabs, if used, shall be designed and maintained to avoid ٠ construction spillage and sealed tightly while being lifted. For dredging of any period contaminated mud, closed watertight grabs must be used; all vessels shall be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; • all hopper barges and dredgers shall be fitted with tight fitting seals to their bottom openings to prevent leakage of material; construction activities shall not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site or dumping grounds; loading of barges and hoppers shall be controlled to prevent splashing of dredged material into the surrounding water. Barges or hoppers shall not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation; and

## Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	In		entati ges*	on	Relevant Legislation
		Timing	Agent	Des	С	0	Dec	and Guidelines
	• before commencement of the reclamation works, the holder of Environmental Permit has to submit plans showing the phased construction of the reclamation, design and operation of the silt curtain.							
S5.8	Silt screens are recommended to be deployed at the seawater intakes during the reclamation works period. Installation of silt screens at the seawater intake points may cause a potential for accumulation and trapping of pollutants, floating debris and refuse behind the silt screens and may lead to potential water quality deterioration at the seawater intake points. Major sources of pollutants and floating refuse include the runoff and storm water discharges from the nearby coastal areas. As a mitigation measure to avoid the pollutant and refuse entrapment problems and to ensure that the impact monitoring results are representative, regular maintenance of the silt screens and refuse collection shall be performed at the monitoring stations at regular intervals on a daily basis. The Contractor shall be responsible for keeping the water behind the silt screen free from floating rubbish and debris during the impact monitoring period.	Work site / During the construction period	Contractor		V			EIAO-TM, WPCO

Appendix 3.1

Monthly EM&A Report

Contract no. HK/2011/07

S5.8

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Implementation Location / Implementation Relevant Legislation Stages\* EIA Ref **Environmental Protection Measures / Mitigation Measures** Timing and Guidelines Agent Des С 0 Dec Dredging of contaminated mud is recommended as a mitigation measures for Causeway Bay CEDD<sup>3</sup> WPCO control of operational odour impact from the Causeway Bay typhoon shelter. typhoon shelter/Imple In recognition of the potential impacts caused by dredging activities close to the seawater intakes, only 1 small close grab dredger shall be operated within mentation of the typhoon shelter (for the dredging to mitigate odour impact) at any time to harbour-front minimize the potential impact. Double silt curtains shall be deployed to fully enhancement. enclose the closed grab dredger during the dredging operation. In addition, an impermeable barrier, suspended from a floating boom on the water surface and extended down to the seabed, shall be erected to isolate the adjacent intakes as much as possible from dredging activities. For example, if dredging is to be carried out at the southwest corner of the typhoon shelter, physical barriers shall be erected to west of the cooling water intake for Excelsior Hotel so that the intake would be shielded from most of the SS generated from the dredging operation to the west of the intake. For area in close proximity of the cooling water intake point, the dredging rate shall be reduced as much as practicable. Site audit and water quality monitoring shall be carried out at the seawater intakes during the dredging operations. Daily monitoring of SS at the cooling water intake shall be carried out, and 24 hour monitoring of turbidity at the intakes shall be implemented during the dredging activities. If the monitoring results indicate that the dredging operation has caused significant changes in water quality conditions at the seawater intakes, appropriate actions shall be taken to stop the dredging and mitigation measures such as slowing down the dredging rate shall be implemented.

## Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Monthly EM&A Report

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location /	Implementation	In		entati ges*	on	Relevant Legislation
LITRI	2. A Ministra Processin Measures / Minigaton Measures	Timing	Agent	Des	С	0	Dec	and Guidelines
For the Wh	ole Project							
S5.8	Construction Runoff and Drainage	• Work site	Contractor		$\checkmark$			ProPECC PN 1/94;
	<ul> <li>use of sediment traps, wheel washing facilities for vehicles leaving the site, and adequate maintenance of drainage systems to prevent flooding and overflow;</li> </ul>	/ During the constructi on period						WPCO (TM-DSS)
	<ul> <li>Permanent drainage channels shall incorporate sediment basins or traps and baffles to enhance deposition rates. The design of efficient silt removal facilities shall be based on the guidelines in Appendix A1 of ProPECC PN 1/94;</li> </ul>	1						
	<ul> <li>a sediment tank constructed from pre-formed individual cells of approximately 6 - 8 m3 capacity can be used for settling ground water prior to disposal;</li> </ul>							
	<ul> <li>oil interceptors shall be provided in the drainage system for the tunnels and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor shall have a bypass to prevent flushing during periods of heavy rain;</li> </ul>							
	<ul> <li>precautions and actions to be taken when a rainstorm is imminent or forecast, and during or after rainstorms. Particular attention shall be paid to the control of any silty surface runoff during storm events;</li> </ul>							
	<ul> <li>on-site drainage system shall be installed prior to the commencement of other construction activities. Sediment traps shall be installed in order to minimise the sediment loading of the effluent prior to discharge;</li> </ul>							
	<ul> <li>All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge shall be adequately designed for the controlled release of storm flows. All sediment control measures shall be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rain storms. The temporarily diverted drainage shall be reinstated to its original condition when the construction work is finished or the temporary diversion is no longer</li> </ul>							

<sup>3</sup> CEDD will identify an implementation agent.

Appendix 3.1

## Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location /	Implementation	Implementation Stages*				Relevant Legislation
2001 1001		Timing	Agent	Des	С	0	Dec	and Guidelines
	<ul> <li>required.</li> <li>All fuel tanks and store areas shall be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity.</li> </ul>							
	• Minimum distances of 100 m shall be maintained between the storm water discharges and the existing or planned WSD flushing water intakes during construction phase.							
\$5.8	Sewage from Construction Work Force Construction work force sewage discharges on site shall be connected to the existing trunk sewer or sewage treatment facilities. The construction sewage shall be handled by portable chemical toilets prior to the commission of the on-site sewer system. Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the large number of construction workers over the construction site. The Contractor shall also be responsible for waste disposal and maintenance practices.	Work site / During the construction period	Contractor		V			ProPECC PN 1/94; WPCO (TM-DSS)
S5.8	<i>Floating Debris and Refuse</i> Collection and removal of floating refuse shall be performed at regular intervals on a daily basis. The contractor shall be responsible for keeping the water within the site boundary and the neighbouring water free from rubbish.	Work site and adjacent water / During the construction period.	Contractor		V			WPCO

### Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location /	Implementation	In	nplem Sta	entati ges*	on	Relevant Legislation
		Timing	Agent	Des	С	0	Dec	and Guidelines
S5.8	Storm Water Discharges Minimum distances of 100 m shall be maintained between the existing or planned stormwater discharges and the existing or planned WSD flushing water intakes.	Work site and adjacent water / During the design and construction period.	Contractor	V	V			WPCO
Operation	Phase							
	B (within the Project Boundary)	P	-		r	r .	r	
S5.8	<ul> <li>For the operation of CWB, a surface water drainage system would be provided to collect road runoff. The following operation stage mitigation measures are recommended to ensure road runoff would comply with the TM under the WPCO:</li> <li>The drainage from tunnel sections shall be directed through petrol interceptors to remove oil and grease before being discharged to the nearby foul water manholes.</li> </ul>	CWB/During design and operational period	HyD/TD <sup>3</sup>	V		V		WPCO
	• Petrol interceptors shall be regularly cleaned and maintained in good working condition.							
	<ul> <li>Oily contents of the petrol interceptors shall be properly handled and disposed of, in compliance with the requirements of the Waste Disposal Ordinance.</li> </ul>							
	• Sewage arising from ancillary facilities of CWB (for examples, car park,							

## Appendix 3.1

#### Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Monthly EM&A Report

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	In	nplem Stag		on	Relevant Legislation	
	5		Agent	Des	С	0	Dec	and Guidelines	
	<ul> <li>control room, ventilation and admini portals) shall be connected to public capacity in public sewerage shall be r facilities.</li> <li>Road drainage shall also be provided wi to minimize discharge of silty runoff.</li> <li>The design of the operational stage miti take into account the guidelines pub "Drainage Plans subject to Comment discharges from the CWB into drain required to be licensed by EPD under the</li> </ul>	sewerage system. Sufficient nade available to the proposed ith adequately designed silt trap gation measures for CWB shall blished in ProPECC PN 5/93 by the EPD." All operational nage or sewerage systems are							

\* Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

<sup>3</sup> if employ Management, Operation and Maintenance (MOM) Contract

### Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

## Table A13.4 Implementation Schedule for Waste Management

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	In	nplem Sta	entati ges*	ion	Relevant Legislation and Guidelines
LIII KU	Environmental Protection Neusales / Mitgation Measures	Location / Thining	Agent	Des	С	0	Dec	
Constructio	on Phase							
For DP3 –	Reclamation Works							
	Marine Sediments	Work site / During the construction period	Contractor		V			ETWB TCW No. 34/2002
\$6.7.2	The dredged marine sediments would be loaded onto barges, transported to and disposed of at the designated disposal sites at South of Cheung Chau, East of Ninepin, East of Tung Lung Chau, South of Tsing Yi or East of Sha Chau to be allocated by the MFC depending on their level of contamination or at other disposal sites after consultation with the MFC and EPD. In accordance with the ETWB TCW No. 34/2002, the contaminated material must be dredged and transported with great care. The mitigation measures recommended in Section 5 of the EIA Report shall be incorporated. The dredged contaminated sediment must be effectively isolated from the environment upon final disposal and shall be disposed of at the Type 2 confined marine disposal contaminated mud pit.							
\$6.7.3	Based on the biological screening results, the Category H (>10xLCEL) sediment which failed the biological testing would require Type 3 special disposal. The volume of Category H sediment from the Causeway Bay typhoon shelter which would require special disposal arrangements is estimated to be approximately 0.05 Mm <sup>3</sup> . A feasible containment method is proposed whereby the dredged sediments are sealed in geosynthetic containers and, at the disposal site, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping, thereby meeting the requirements for fully confined mud disposal.							

## Appendix 3.1

Monthly EM&A Report

#### Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Implementation Implementation Relevant Legislation Stages\* EIA Ref Environmental Protection Measures / Mitigation Measures Location / Timing and Guidelines Agent С Des 0 Dec S6.7.5 It will be the responsibility of the Contractor to satisfy the appropriate authorities that the contamination levels of the marine sediment to be dredged have been analysed and recorded. According to the ETWB TCW No. 34/2002, this will involve the submission of a formal Sediment Quality Report to the DEP, at least 3 months prior to the dredging contract being tendered During transportation and disposal of the dredged marine sediments requiring Type 1 and Type 2 disposal, the following measures shall be taken to minimise potential impacts on water S6.7.6 quality: Bottom opening of barges shall be fitted with tight fitting . seals to prevent leakage of material. Excess material shall be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved.

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	In	nplem Sta	entati ges*	on	Relevant Legislation
	24 / 1 omiliar 1 receiver receiver co / ringerion receiver co	Location, Thing	Agent	Des	С	0	Dec	and Guidelines
	<ul> <li>Monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by the DEP.</li> <li>Barges or hopper barges shall not be filled to a level that would cause the overflow of materials or sediment laden water during loading or transportation.</li> </ul>							
\$6.6.12	<i>Floating Refuse</i> During the construction phase, the project proponent's contractor will be responsible for the collection of any refuse within their works area. Floating booms will be provided on the water surface to confine the refuse from the working barges as well as to avoid the accumulation of pollutants within temporary embayment as mentioned in Table 13.3.	Work site / During the construction period	Contractor		V			

For the Whole Project

Appendix 3.1

Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	-	Implementation Stages*			on	Relevant Legislation
	g		Agent	Des	С	0	Dec	and Guidelines	
S6.7.7	<ul> <li>Good Site Practices</li> <li>Recommendations for good site practices during the construction activities include:</li> <li>nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site;</li> <li>training of site personnel in proper waste management and chemical waste handling procedures;</li> <li>provision of sufficient waste disposal points and regular collection for disposal;</li> <li>appropriate measures to minimise windblown litter and dust during transporting wastes in enclosed containers;</li> <li>regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; and</li> <li>a recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites).</li> </ul>	Work site / During the construction period	Contractor					Waste Disposal Ordinance (Cap.354)	

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	Stages			ion	Relevant Legislation
LIII KU	Environmental Protection Measures / Mitigation Measures	Docution / Thinng	Agent	Des	С	0	Dec	and Guidelines
\$6.7.8	<ul> <li>Waste Reduction Measures</li> <li>Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include:</li> <li>segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;</li> </ul>	Work site / During planning and design stage, and construction stage	Contractor	V	V			
	<ul> <li>to encourage collection of aluminium cans, PET bottles and paper, separate labelled bins shall be provided to segregate these wastes from other general refuse generated by the work force;</li> </ul>							
	<ul> <li>any unused chemicals or those with remaining functional capacity shall be recycled;</li> </ul>							
	• use of reusable non-timber formwork, such as in casting the tunnel box sections, to reduce the amount of C&D material.							
	<ul> <li>prior to disposal of C&amp;D waste, it is recommended that wood, steel and other metals shall be separated for re-use and / or recycling to minimise the quantity of waste to be disposed of to landfill;</li> </ul>							
	• proper storage and site practices to minimise the potential for damage or contamination of construction materials; and							
	• plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.							

## Appendix 3.1

## Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	In	nplem Sta	entati ges*	on	Relevant Legislation
			Agent	Des	С	0	Dec	and Guidelines
S6.7.10	General Refuse General refuse shall be stored in enclosed bins or compaction units separate from C&D material. A licensed waste collector shall be employed by the contractor to remove general refuse from the site, separately from C&D material. A collection area shall be provided where wastes can be stored and loaded prior to removal from site. An enclosed and covered area is recommended to reduce the occurrence of 'wind blow' light material.	Work site / During the construction period	Contractor		V			Public Health and Municipal Services Ordinance (Cap. 132)
\$6.7.11	Chemical Wastes After use, chemical wastes (for example, cleaning fluids, solvents, lubrication oil and fuel) shall be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Spent chemicals shall be collected by a licensed collector for disposal at the CWTF or other licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	Work site / During the construction period	Contractor		V			Waste Disposal (Chemical Waste) (General) Regulation Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes
S6.7.12	Construction and Demolition Material C&D material shall be sorted on-site into inert C&D material (that is, public fill) and C&D waste. All the suitable inert C&D material shall be broken down to 250 mm in size for reuse as public fill in the WDII reclamation. C&D waste, such as wood, glass, plastic, steel and other metals shall be reused or recycled and, as a last resort, disposed of to landfill. A suitable area shall be designated to facilitate the sorting process and a temporary stockpiling area will be required for the separated materials.	Work site / During the construction period	Contractor		V			ETWB TCW No. 33/2002, 31/2004, 19/2005

## Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Monthly EM&A Report

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	Implementation Stages*				Relevant Legislation
		Location / Thing	Agent	Des	С	0	Dec	and Guidelines
86.7.13	In order to monitor the disposal of public fill and C&D waste at public filling facilities and landfills, respectively, and to control fly tipping, a trip-ticket system shall be included as one of the contractual requirements and implemented by the Environmental Team undertaking the environmental monitoring and audit work. An Independent Environment Checker shall be responsible for auditing the results of the system.	Work site / During the construction period	Contractor and Independent Environmental Checker		V			ETWB TCW No. 31/2004
\$6.7.14	<ul> <li>Bentonite Slurry</li> <li>The disposal of residual used bentonite slurry shall follow the good practice guidelines stated in ProPECC PN 1/94</li> <li>"Construction Site Drainage" and listed as follows:</li> <li>If the disposal of a certain residual quantity cannot be avoided, the used slurry may be disposed of at the marine spoil grounds subject to obtaining a marine dumping licence from EPD on a case-by-case basis.</li> </ul>	Work site / During the construction period	Contractor		V			ProPECC PN 1/94
	<ul> <li>If the used bentonite slurry is intended to be disposed of through the public drainage system, it shall be treated to the respective effluent standards applicable to foul sewers, storm drains or the receiving waters as set out in the Technical Memorandum of Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters.</li> <li>If the used bentonite slurry is intended to be disposed to public fill reception facilities, it will be mixed with dry soil on site before disposal.</li> </ul>							

\* Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

Appendix 3.1

Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Monthly EM&A Report

## Table A13.5 Implementation Schedule for Land Contamination

EIA Ref	Environmental Protection Measures / Mitigation Measures	Measures / Mitigation Measures Location / Timing	Implementation	Implementation Stages*			on	Relevant Legislation
LIII KU	Environmental Protection Measures / Mitigation Measures	Location / Thinnig	Agent	Des	С	0	Dec	and Guidelines
Constructio								
For the Wh	ole Project							
S.12.6	• The contaminated site shall be cleaned up before commencement of site clearance and construction work at the concerned area which may disturb the ground.	A King Marine / Before commencement of construction activities at A King Marine.	Project proponent for the re- provisioned Tin Hau Temple	V				"Guidance Notes for Investigation and Remediation of Contaminated Sites of Petrol Filling Stations, Boatyards, and Car Repair/Dismantling Workshops" published by EPD, HKSAR EPD ProPECC Note No. 3/94
\$7.10	<ul> <li>During soil remediation works, the Contractor for the excavation works shall take note of the following points for excavation:</li> <li>Excavation profiles must be properly designed and executed;</li> <li>In case the soil to be excavated is situated beneath the groundwater table, it may be necessary to lower the groundwater table by installing well points or similar means;</li> <li>Quantities of soil to be excavated must be estimated;</li> <li>It maybe necessary to split quantities of soil according to soil type, degree and nature of contamination.</li> <li>Temporary storage of soil at intermediate depot or on-site</li> </ul>	A King Marine / During soil remediation works	Contractor	V				Air Pollution Control Ordinance Noise Control Ordinance Waste Disposal Ordinance Waste Disposal (Chemical Waste) (General) Regulation

## Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	In	nplem Sta	entati ges*	on	Relevant Legislation
			Agent	Des	С	0	Dec	and Guidelines
	maybe required. The storage site shall include protection facilities for leaching into the ground. eg. Liner maybe required.							
	<ul> <li>Supply of suitable clean backfill materials is needed after excavation.</li> <li>Care must be taken of existing buildings and utilities.</li> <li>Precautions must be taken to control of ground settlement</li> <li>Speed controls for vehicles shall be imposed on dusty site areas.</li> <li>Vehicle wheel and body washing facilities at the site's exit points shall be established and used.</li> <li>The following environmental mitigation measures shall be strictly followed during the operation and/or maintenance of the CS/S facilities:</li> </ul>							Water Pollution Control Ordinance

Appendix 3.1

Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	In		entati ges*	on	Relevant Legislation
			Agent	Des	С	0	Dec	and Guidelines
	<ul> <li><u>Air Quality Mitigation Measures</u></li> <li>The loading, unloading, handling, transfer or storage of cement shall be carried out in an enclosed system.</li> <li>The loading, unloading, handling, transfer or storage of other materials which may generate airborne dust emissions such as untreated soil and oversize materials sorted out from the screening plant and stabilized soil stockpiled in the designated handling area, shall be carried out in such a manner to prevent or minimise dust emissions. These materials shall be adequately wetted prior to and during the loading, unloading and handling operations.</li> <li>All practicable measures, including speed controls for vehicles, shall be taken to prevent or minimize the dust emission caused by vehicle movement.</li> <li>Tarpaulin or low permeable sheet shall be put on dusty vehicle loads transported between site locations.</li> </ul>							
	<ul> <li>Noise Mitigation Measures</li> <li>The mixing facilities shall be sited as far as practicable to the nearby noise sensitive receivers.</li> <li>Simultaneous operation of mixing facilities and other equipment shall be avoided.</li> <li>Mixing process and other associated material handling activities shall be properly scheduled to minimise potential cumulative noise impact on the nearby noise sensitive receivers.</li> <li>Construction Noise Permit shall be applied for the operation of powered mechanical equipment during restricted hours (if any).</li> </ul>							

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	In	nplem Stag	entati ges*	on	Relevant Legislation
			Agent	Des	С	0	Dec	and Guidelines
	Water Quality Mitigation Measures							
	• Stockpile of untreated soil shall be covered as far as practicable to prevent the contaminated material from							
	leaching out. The leachate shall be discharged following the requirements of WPCO.							
	Waste Mitigation Measures							
	• Treated oversize materials will be used as filling material							
	for backfilling within the site. Sorted materials of size smaller than 5 cm will be collected and transferred to the							
	mixing plant for further decontamination treatment.							
	<ul> <li>Stabilized soils shall be broken into suitable size for backfilling or reuse on site.</li> </ul>							
	• A high standard of housekeeping shall be maintained within the mixing plant area.							
	<ul> <li>If necessary, there shall be clear and separated areas for stockpiling of untreated and treated materials.</li> </ul>							

\* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

Appendix 3.1

#### Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Monthly EM&A Report

## Table A13.6 Implementation Schedule for Marine Ecology

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	Implementation Stages*				Relevant Legislation
	g		Agent	Des	С	0	Dec	and Guidelines
Constructio	on Phase							
For the Wh	ole Project - Schedule 3 DP							
S.9.7.2	Alternative design of the Trunk Road constructed in tunnel shall be adopted to avoid permanent reclamation in CBTS and ex-PWCA Basin.	-	CEDD/HyD	V				EIAO TM Annex 16 (Section 8.4) & EIAO Guidance Note No. 3/2002.
For DP3 – I	Reclamation Works							
S.9.7.3	Translocation of those potentially affected coral colonies to the nearby suitable habitats such as Junk Bay is recommended. A detailed translocation plan (including translocation methodology, monitoring of transplanted corals, etc.) should be drafted and approval by AFCD during the detailed design stage of the Project.	Ex-PCWA Basin and along seawall next to a public pier which is about 250 m away from the CBTS	CEDD/HyD	V				EIAO TM Annex 16 (Section 8.4) & EIAO Guidance Note No. 3/2002.

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Monthly EM&A Report

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation	In	nplem Stag	entati ges*	on	Relevant Legislation
		Location, Thing	Agent	Des	С	0	Dec	and Guidelines
S.9.7.4	<ul> <li>During dredging and filling operations, a number of mitigation measures to control water quality shall be adopted to confine sediment plume within reclamation area and protect marine fauna in proximity to the reclamation. The mitigation measures include the following: <ul> <li>Installation of silt curtains during dredging activities</li> <li>Use of tightly-closed grab dredger</li> <li>Reduction of dredging rate</li> <li>Control of grab descending speed</li> <li>Construction of leading edges of seawall in the early stages of the reclamation works</li> </ul> </li> </ul>	Work site / during construction phase	Contractor		~			EIAO TM Annex 16 (Section 8.4) & EIAO Guidance Note No. 3/2002.
	Adoption of multiple-phase construction schedule							

Appendix 3.1

Monthly EM&A Report

#### Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Implementation Implementation Relevant Legislation Stages\* EIA Ref Location / Timing **Environmental Protection Measures / Mitigation Measures** and Guidelines Agent Des С 0 Dec S.9.7.6 To minimize potential disturbance impacts on the foraging Work site during Contractor EIAO TM Annex 16 ardeid population in the CBTS, particularly in the area near the construction phase (Section 8.4) & EIAO A King Shipyard, appropriate mitigation measures shall be Guidance Note No. adopted particularly during the construction phase. The 3/2002 following measures are recommended: • Use of Quiet Mechanical Plant during the construction phase shall be adopted wherever possible. Adoption of multiple-phase construction schedule. • General measures to reduce noise generated during the construction phase (see noise impact assessment) shall be effectively implemented. S.9.7.7 Seawalls shall be constructed in advance around the Work during Contractor EIAO TM Annex 16 site  $\sqrt{}$ reclamation areas within the area of the CBTS to screen (Section 8.4) & EIAO construction phase adjacent feeding ground from construction phase activities, Guidance Note No. reduce noise disturbance to the associated seabirds and also to 3/2002. restrict access to this habitat adjacent to works areas by ship traffic. S.9.7.8 Work site / during EIAO TM Annex 16 Loss of artificial seawall habitats shall be reinstated by the Contractor  $\sqrt{}$ construction of about 1 km vertical wave absorbing seawall construction phase (Section 8.4) & EIAO along the coastlines of the new reclamation around the HKCEC Guidance Note No. and at North Point. The new seawalls are expected to provide 3/2002. large area of hard substrata for settlement and recruitment of intertidal fauna similar to those previously recorded from existing intertidal habitats.

\*Des - Design, C - Construction, O - Operation, and Dec - Decommissioning

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

### Table A13.7 Implementation Schedule for Landscape and Visual

EIA Ref	Environmental Protection Measures / Mitigation Measures		Location / Timing Implementation Agent		Implementation Stages*				Relevant Legislation and Guidelines
				0	Des	С	0	Dec	
Construction	Phase								
For the Whole	Project								
Table 10.5	CM1	Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor	V	V			EIAO TM
Table 10.5	CM2	Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	V	V			EIAO TM
Table 10.5	CM3	Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	V	V			EIAO TM
Table 10.5	CM4	Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	V	V			EIAO TM
Table 10.5	CM5	Control of night-time lighting.	Work site / During Construction Phase	Contractor		V			EIAO TM
Table 10.5	CM6	Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		V			EIAO TM
For DP1 - CV	WB (With	in the Project Boundary)	1						1
Table 10.5	CM1	Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor		V			EIAO TM
Table 10.5	CM2	Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	V	V			EIAO TM
Table 10.5	CM3	Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	V	V			EIAO TM
Table 10.5	CM4	Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	V	V			EIAO TM
Table 10.5	CM5	Control of night-time lighting.	Work site / During Construction Phase	Contractor		V			EIAO TM

Appendix 3.1

#### Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Monthly EM&A Report

EIA Ref	Environmental Protection Measures / Mitigation Measures		Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
					Des	С	0	Dec	
Table 10.5	CM6	Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		V			EIAO TM
For DP2 - WD	II Majo	r Roads (Road P2)							
Table 10.5	CM1	Topsoil, where identified, shall be stripped and stored for re-use in the construction of the soft landscape works, where practical.	Work site / During Construction Phase	Contractor	V	V			EIAO TM
Table 10.5	CM2	Existing trees to be retained on site shall be carefully protected during construction.	Work site / During Construction Phase	Contractor	V	V			EIAO TM
Table 10.5	CM3	Trees unavoidably affected by the works shall be transplanted where practical.	Work site / During Construction Phase	Contractor	V	V			EIAO TM
Table 10.5	CM4	Compensatory tree planting shall be provided to compensate for felled trees.	Work site / During Construction Phase	Contractor	V	V			EIAO TM
Table 10.5	CM5	Control of night-time lighting.	Work site / During Construction Phase	Contractor		V			EIAO TM
Table 10.5	CM6	Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		V			EIAO TM
For DP3 - Rec	lamatio	n Works					•		
Table 10.5		Control of night-time lighting.	Work site / During Construction Phase	Contractor		$\checkmark$			EIAO TM
Table 10.5	CM6	Erection of decorative screen hoarding compatible with the surrounding setting.	Work site / During Construction Phase	Contractor		$\checkmark$			EIAO TM
	n Chai 1	East Sewage Outfall							
Refer to EIA- 058/2001 Table 10.13	CM2	Minimisation of works areas.	Work site / During Construction Phase	Contractor		V			EIAO TM
Refer to EIA- 058/2001 Table 10.13	CM3	Erection of decorative hoardings.	Work site / During Construction Phase	Contractor		V			EIAO TM

#### Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*			Relevant Legislation and Guidelines	
				Des	С	0	Dec	
Refer to EIA- 058/2001 Table 10.13	CM4 Control night-time lighting.	Work site / During Construction Phase	Contractor		V			EIAO TM
Refer to EIA- 058/2001 Table 10.13	CM5 Minimisation of disruption to public by effective programming of the works.	Work site / During Construction Phase	Contractor		V			EIAO TM
For DP6 - Cro	ss-Harbour Water Mains from Wan Chai to Tsim Sha Tsui	1		1		1		1
Refer to EIA- 058/2001 Table 10.13	CM2 Minimisation of works areas.	Work site / During Construction Phase	Contractor		V			EIAO TM
Refer to EIA- 058/2001 Table 10.13	CM3 Erection of decorative hoardings.	Work site / During Construction Phase	Contractor		V			EIAO TM
Refer to EIA- 058/2001 Table 10.13	CM4 Control night-time lighting.	Work site / During Construction Phase	Contractor		V			EIAO TM
Refer to EIA- 058/2001 Table 10.13	CM5 Minimisation of disruption to public by effective programming of the works.	Work site / During Construction Phase	Contractor		V			EIAO TM
<b>Operation Pha</b>	se	1	1			1		1
	Project - Schedule 3 DP							
Table 10.6, Figure 10.5.1- 10.5.5	OM1 Aesthetic design of buildings and road-related structures, including viaducts, vent buildings, subways, footbridges and noise barriers and enclosure.	Work site / During Design Stage and Operation Phases	CEDD/HyD	V	V	V		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1- 10.5.5	OM2 Shrub and Climbing Plants to soften proposed structures.	Work site / During Design Stage and Operation Phases	CEDD/HyD	V	V	V		ETWB TCW 2/2004

### Appendix 3.1

Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

Monthly EM&A Report

EIA Ref	Environmental Protection Measures / Mitigation Measures		Location / Timing Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines	
					Des	С	0	Dec	
Table 10.6,	OM3	Buffer Tree and Shrub Planting to screen proposed roads	Work site / During	CEDD/HyD/					ETWB TCW 2/2004
Figure 10.5.1-		and associated structures.	Design Stage and						
10.5.5			Operation Phases						
Table 10.6,	OM4	Aesthetic design of proposed waterfront promenade.	Work site / During	$CEDD^4$					ETWB TCW 2/2004
Figure 10.5.1-			Design Stage and						
10.5.5			Operation Phases						
Table 10.6,	OM5	Aesthetic streetscape design.	Work site / During	CEDD/HyD		V			ETWB TCW 2/2004
Figure 10.5.1-			Design Stage and						
10.5.5			Operation Phases						
Table 10.6,	OM6	Aesthetic design of roadside amenity areas.	Work site / During	CEDD/HyD		$\checkmark$	$\checkmark$		ETWB TCW 2/2004
Figure 10.5.1-			Design Stage and						
10.5.5			Operation Phases						
For DP1 - CW	B (Withi	n the Project Boundary)							
Table 10.6,	OM1	Aesthetic design of buildings and road-related structures,	Work site / During	HyD		$\checkmark$	$\checkmark$		ETWB TCW 2/2004
Figure 10.5.1-		including viaducts, vent buildings, subways, footbridges	Design Stage and						
10.5.5		and noise barriers and enclosure.	Operation Phases						
Table 10.6,	OM2	Shrub and Climbing Plants to soften proposed structures	Work site / During	HyD					ETWB TCW 2/2004
Figure 10.5.1-			Design Stage and						
10.5.5			Operation Phases						
Table 10.6,	OM3	Buffer Tree and Shrub Planting to screen proposed roads	Work site / During	HyD		$\checkmark$	$\checkmark$		ETWB TCW 2/2004
Figure 10.5.1-		and associated structures.	Design Stage and						
10.5.5			Operation Phases						
Table 10.6,	OM5	Aesthetic streetscape design.	Work site / During	HyD	$\checkmark$	$\checkmark$			ETWB TCW 2/2004
Figure 10.5.1-			Design Stage and						
10.5.5			Operation Phases						
Table 10.6,	OM6	Aesthetic design of roadside amenity areas.	Work site / During	HyD	$\checkmark$	$\checkmark$			ETWB TCW 2/2004
Figure 10.5.1-			Design Stage and						
10.5.5			Operation Phases						

<sup>4</sup> CEDD will identify an implementation agent

#### Contract no. HK/2011/07

Wan Chai Development Phase II and Central-Wanchai Bypass

- Sampling, Field Measurement and Testing Works (Stage 2)

EIA Ref	Enviro	onmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	In		entati ges*	ion	Relevant Legislation and Guidelines
					Des	С	0	Dec	
Table 10.6, Figure 10.5.1- 10.5.5	OM1	Aesthetic design of buildings and road-related structures, including viaducts, vent buildings, subways, footbridges and noise barriers and enclosure.	Work site / During Design Stage and Operation Phases	CEDD/HyD		V	V		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1- 10.5.5	OM3	Buffer Tree and Shrub Planting to screen proposed roads and associated structures.	Work site / During Design Stage and Operation Phases	CEDD/HyD		V	V		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1- 10.5.5	OM5	Aesthetic streetscape design.	Work site / During Design Stage and Operation Phases	CEDD/HyD		V	V		ETWB TCW 2/2004
Table 10.6, Figure 10.5.1- 10.5.5	OM6	Aesthetic design of roadside amenity areas	Work site / During Design Stage and Operation Phases	CEDD/HyD		V	V		ETWB TCW 2/2004
For DP3 – Rec	lamation	ı Works	i.	*					i.
Table 10.6, Figure 10.5.1- 10.5.5	OM4	Aesthetic design of proposed waterfront promenade.	Work site / During Design Stage and Operation Phases	CEDD <sup>5</sup>	V	V	V		ETWB TCW 2/2004

\*Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

<sup>5</sup> CEDD will identify an implementation agent

Appendix 3.1



Appendix 4.1

Action and Limit Level



## Action and Limit Level

## Action and Limit Level for Noise Monitoring

Time Period	Action Level	Limit Level
07:00 – 19:00 hours on normal weekdays	When one documented complaint is received.	75 dB(A) <sup>Note 1</sup>

Note 1:

70dB(A) and 65 dB(A) for schools during normal teaching periods and school examination periods, respectively.

- If works are to be carried out during the restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

### Action and Limit Level for Air Monitoring

Monitoring Location	1-hour TSP Level in $\mu$ g/m <sup>3</sup>		24-hour TSP Le	vel in $\mu$ g/m <sup>3</sup>
	Action Level	Limit Level	Action Level	Limit Level
CMA1b Note 2	320.1	500	176.7	260
CMA2a	323.4	500	169.5	260
CMA3a Note 2	311.3	500	171.0	260
CMA4a	312.5	500	171.2	260
CMA5b Note 2	332.0	500	181.0	260
CMA6a Note 2	300.1	500	187.3	260

Note 2:

- As per facing owner's rejection in allowing the implementation of long-term air quality impact monitoring at their premises, alternative monitoring stations and justification were proposed for IEC verification and EPD approval.

- The established Action and Limit Levels from the baseline air monitoring will be adopted to the alternative monitoring stations.

## Action and Limit Level for Water Monitoring

Parameters	Dry S	eason	Wet S	eason			
F di diffetei S	Action	Action Limit		Limit			
WSD Salt Water Intake							
SS in mg L <sup>-1</sup>	13.00	14.43	16.26	19.74			
Turbidity in NTU	8.04	9.49	10.01	11.54			
DO in mg/L	3.66	3.28	3.17	2.63			
Cooling Water Intal	Cooling Water Intake						
SS in mg L <sup>-1</sup>	15.00	22.13	18.42	27.54			
Turbidity in NTU	9.10	10.25	11.35	12.71			
DO in mg/L	3.36	2.73	3.02	2.44			

Remarks:

- Action and Limit Level for the wet season are applied after the EPD approval of Updated EM&A Manual on 29 April 2011.

Parameters	Action	Limit
Odour Nuisance (from odour intensity analysis or odour patrol)	<ul> <li>When two documented complaint are received; or</li> <li>Odour Intensity of 2 is measured from odour intensity analysis.</li> </ul>	<ul> <li>Five or more consecutive genuine documented complaints within a week; or</li> <li>Odour Intensity of 3 or above is measured from odour intensity analysis.</li> </ul>

Action and Limit Levels for Odour Patrol



Appendix 4.2

**Copies of Calibration Certificates** 



Information supplies	d by customer:	
CONTACT:	SAM LAM	WORK ORDER: HK1510147
CLIENT:	LAM GEOTECHNI	CS LIMITED
DATE RECEIVED:	2015-05-22	
DATE OF ISSUE:	2015-06-01	
ADDRESS:	11/F, CENTRE POI	NT, 181-185, GLOUCESTER ROAD,
	WANCHAI, HONG	KONG
PROJECT:		

## METHOD OF PERFORMANCE CHECK/ CALIBRATION: Ref: APHA22nd ed 2130B

## COMMENTS

It is certified that the item under performance check/calibration has been calibrated/checked by corresponding calibrated equipment in the laboratory.

Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of Pilot Testing Limited will be followed.

Scope of Test:	Turbidity	
Equipment Type:	Turbidimeter	
Brand Name:	Xin Rui	
Model No.:	WGZ-3B	
Serial No.:	1203010	
Equipment No.:		
Date of Calibration:	22-May-15	

Remarks:

This is the Final Report. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Eunan R Mr. Peter Lee

Director



## Page 2/2

## **REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION**

WORK ORDER:	HK1510147
DATE OF ISSUE:	2015-06-01
CLIENT:	LAM GEOTECHNICS LIMITED

Equipment Type:	Turbidimeter	
Brand Name:	Xin Rui	
Model No.:	WGZ-3B	
Serial No.:	1203010	
Equipment No.:		
Date of Calibration:	22-May-15	- 94-
Date of next Calibation:	22-Aug-15	

## Parameters:

## Turbidity

## Method Ref: APHA 22nd ed. 2130B

Expected Reading (NTU)	Display Reading (NTU)	Tolerance (%)
0	0.00	
4	3.86	-3.5
10	10.1	1.0
40	40.0	0.0
100	101	1.0
400	399	-0.3
1000	1000	0.0
	Tolerance Limit (±%)	10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.

PILOT Inteledented TESTING

#### **REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION**

Information supplied	by customer:		
CONTACT:	SAM LAM	WORK ORDER:	HK1510130
CLIENT:	LAM GEOTECHNICS LIMITED		
DATE RECEIVED:	08/04/2015		
DATE OF ISSUE:	15/04/2015		
ADDRESS:	11/F, CENTRE POINT, 181-185, G	LOUCESTER RO.	AD,
	WANCHAI, HONG KONG		
<b>PROJECT:</b>			

METHOD OF PERFORMANCE CHECK/ CALIBRATION: Ref: APHA22nd ed 2130B

#### COMMENTS

It is certified that the item under performance check/calibration has been calibrated/checked by corresponding calibrated equipment in the laboratory.

Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of Pilot Testing Limited will be followed.

Scope of Test:	Turbidity	
Equipment Type:	Turbidimeter	
Brand Name:	Xin Rui	
Model No.:	WGZ-3B	
Serial No.:	1203015	
Equipment No.:		
Date of Calibration:	08/04/2015	

Remarks:

This is the Final Report. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

canan fa

Mr. Peter Lee Director

WORK ORDER:	HK1510130
DATE OF ISSUE:	15/04/2015
CLIENT:	LAM GEOTECHNICS LIMITED

Equipment Type:	Turbidimeter	
Brand Name:	Xin Rui	
Model No.:	WGZ-3B	
Serial No.:	1203015	
Equipment No.:		
Date of Calibration:	08/04/2015	
Date of next Calibation:	08/07/2015	

## Parameters:

Turbidity

## Method Ref: APHA 22<sup>nd</sup> ed. 2130B

Expected Reading (NTU)	Display Reading (NTU)	Tolerance (%)	
0	0.00		
4	4.22	5.5	
10	9.77	-2.3	
40	40.9	2.3	
100	99	-1.0	
400	412	3.0	
1000	983	-1.7	
	Tolerance Limit (±%)	10.0	

Remark: "Displayed Reading" presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.



Information supplied	by customer:		
CONTACT:	SAM LAM	WORK ORDER:	HK1510256
CLIENT:	LAM GEOTECHNICS LIMITED		
DATE RECEIVED:	08/07/2015		
DATE OF ISSUE:	15/07/2015		
ADDRESS:	11/F, CENTRE POINT, 181-185, C	GLOUCESTER RO.	AD,
	WANCHAI, HONG KONG		
PROJECT			

### METHOD OF PERFORMANCE CHECK/ CALIBRATION: Ref: APHA22nd ed 2130B

#### COMMENTS

It is certified that the item under performance check/calibration has been calibrated/checked by corresponding calibrated equipment in the laboratory.

Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of Pilot Testing Limited will be followed.

Scope of Test:	Turbidity	
Equipment Type:	Turbidimeter	
Brand Name:	Xin Rui	
Model No.:	WGZ-3B	
Serial No.:	1203015	
Equipment No.:		
Date of Calibration:	08/07/2015	

#### Remarks:

This is the Final Report. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

awan

Mr. Peter Lee Director





WORK ORDER:	HK1510256
DATE OF ISSUE:	15/07/2015
CLIENT:	LAM GEOTECHNICS LIMITED

Equipment Type:	Turbidimeter	
Brand Name:	Xin Rui	
Model No.:	WGZ-3B	
Serial No.:	1203015	
Equipment No.:		
Date of Calibration:	08/07/2015	
Date of next Calibation:	08/10/2015	

## Parameters:

## Turbidity

## Method Ref: APHA 22<sup>nd</sup> ed. 2130B

Expected Reading (NTU)	Display Reading (NTU)	Tolerance (%)	
0	0.00	1	
4	3.92	-2.0	
10	10.3	3.0	
40	38.5	-3.8	
100	95.4	-4.6	
400	387	-3.3	
1000	996	-0.4	
	Tolerance Limit (±%)	10.0	

Remark: "Displayed Reading" presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.

PILOT

## **REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION**

Information supplied	by customer:		
CONTACT:	SAM LAM	WORK ORDER:	HK1510131
CLIENT:	LAM GEOTECHNICS LIMITED		
DATE RECEIVED:	08/04/2015		
DATE OF ISSUE:	15/04/2015		
ADDRESS:	11/F, CENTRE POINT, 181-185, G	LOUCESTER RO	AD,
	WANCHAI, HONG KONG		
PROJECT:	the second s		

#### METHOD OF PERFORMANCE CHECK/ CALIBRATION: Ref: APHA22nd ed 2120P

Ref: APHA22nd ed 2130B

## COMMENTS

It is certified that the item under performance check/calibration has been calibrated/checked by corresponding calibrated equipment in the laboratory.

Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of Pilot Testing Limited will be followed.

Scope of Test:	Turbidity	
Equipment Type:	Turbidimeter	
Brand Name:	Xin Rui	
Model No.:	WGZ-3B	
Serial No.:	1309192	
Equipment No.:		
Date of Calibration:	08/04/2015	

Remarks:

This is the Final Report. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Canan

Mr. Peter Lee Director



WORK ORDER:	HK1510131
DATE OF ISSUE:	15/04/2015
CLIENT:	LAM GEOTECHNICS LIMITED

Equipment Type:	Turbidimeter	
Brand Name:	Xin Rui	
Model No.:	WGZ-3B	
Serial No.:	1309192	
Equipment No.:		
Date of Calibration:	08/04/2015	
Date of next Calibation:	08/07/2015	

## **Parameters:**

## Turbidity

## Method Ref: APHA 22<sup>nd</sup> ed. 2130B

Expected Reading (NTU)	Display Reading (NTU)	Tolerance (%)
0	0.00	
4	3.89	-2.8
10	10.3	3.0
40	41.5	3.8
100	97	-3.0
400	394	-1.5
1000	978	-2.2
	Tolerance Limit (±%)	10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.



Information supplied	1 by customer:		
CONTACT:	SAM LAM	WORK ORDER:	HK1510257
CLIENT:	LAM GEOTECHNICS LIMITED		
DATE RECEIVED:	08/07/2015		
DATE OF ISSUE:	15/07/2015		
ADDRESS:	11/F, CENTRE POINT, 181-185, G	LOUCESTER ROA	AD,
	WANCHAI, HONG KONG		
PROJECT:			

## **METHOD OF PERFORMANCE CHECK/ CALIBRATION:**

Ref: APHA22nd ed 2130B

## COMMENTS

It is certified that the item under performance check/calibration has been calibrated/checked by corresponding calibrated equipment in the laboratory.

Maximum Tolerance and calibration frequency stated in the report, unless otherwise stated, the internal acceptance criteria of Pilot Testing Limited will be followed.

Scope of Test:	Turbidity	
Equipment Type:	Turbidimeter	
Brand Name:	Xin Rui	
Model No.:	WGZ-3B	
Serial No.:	1309192	
Equipment No.:		
Date of Calibration:	08/07/2015	

Remarks:

This is the Final Report. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

aman

Mr. Peter Lee Director



WORK ORDER:	HK1510257
DATE OF ISSUE:	15/07/2015
CLIENT:	LAM GEOTECHNICS LIMITED

Equipment Type:	Turbidimeter	
Brand Name:	Xin Rui	
Model No.:	WGZ-3B	
Serial No.:	1309192	
Equipment No.:		
Date of Calibration:	08/07/2015	
Date of next Calibation:	08/10/2015	

## **Parameters:**

### Turbidity

## Method Ref: APHA 22nd ed. 2130B

Expected Reading (NTU)	Display Reading (NTU)	Tolerance (%)	
0	0.00		
4	4.11	2.8	
10	9.79	-2.1	
40	42.4	6.0	
100	103	3.0	
400	387	-3.3	
1000	982	-1.8	
	Tolerance Limit (±%)	10.0	

Remark: "Displayed Reading" presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.



#### EQUIPMENT PERFORMANCE CHECK / CALIBRATION REPORT

Report No. Project Name Date of Issue	HK1510133 EQUIPMENT PERFORMANCE CHECK/CALIBRATION REPORT 21/04/2015
Customer	: LAM GEOTECHNICS LIMITED
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WAN CHAI, HONG KONG
Calibration Job No.	: HK1510133
Test Item No.	: HK1510133-01
Test Item Details	
Test Item Description	: Multifunctional Meter
Manufacturer	: YSI
Model No.	: Professional Plus
Serial No.	: 14E100105
Performance Method	: Checked according to in-house method CAL005
	(References: Temperature (Section 6 of Intermational Accreditation New Zealand Technical Guide
	No. 3 Second edition March 2008: Working Thermometer Calibration Procedure), pH value
	(APHA 21e 4500H:B), Salinity (Refer to Conductivity APHA 19e 2510B)
	, Dissolved oxygen (APHA 19e 4500-O,C))
Test Item Receipt Date	: 14-Apr-15
Test Item Calibration Date	: 15-Apr-15
Test Period	: 14/04/2015 - 21/04/2015

Notes: 1. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.

- 2. Results relate to item(s) as received.
- 3. ± indicates the tolerance limit
- 4. N/A = Not applicable
- 5. APHA American Public Health Association, American Water Works Association and Water Environment Federation, Standard Methods for the Examination of Water and Wastewater, APHA-AWWA-WEF. USA
- 6. DO, pH, salinity and temperature performance check was conducted by Pilot Testing Limited. 7. Because of high sensitivity and ease of measurement, the conductivity method (according to APHA 19e 2510) is used to determine salinity.

Approved Signatory

ella Mr. Peter Lee

(Director)

Issue Date:

21/04/2015

Pilot Testing Limited Address: Room B12, Block B, 5/F, Tonic Industrial Centre, 19 Lam Hing Street, Kowloon Bay, Kowloon Tel: (852) 2527 6691 email: test@pilot-testing.com

WORK ORDER:	HK1510133
DATE OF ISSUE:	21/04/2015
CLIENT:	LAM GEOTECHNICS LIMITED

Equipment Type	Multifunctional Meter	
Manufacturer	YSI	
Model No.	Professional Plus	
Serial No.	14E100105	
Date of Calibration	15-Apr-15	
Date of next Calibation	15-Jul-15	

#### Parameters:

# Temperature (Method Ref: Section 6 of Intermational Accreditation New Zealand Technical Guide No.3 Second edition March 2008: Working Thermometer Calibration Procedure)

Reference Reading (°C)	Display Reading (°C)	Deviation (°C)
10.2	10.4	+0.2
19.9	20.1	+0.2
28.9	27.4	-1.5
1	olerance Limit	±2.0

#### pH Value (Method Ref: APHA21e, 4500H:B)

Expected Reading (pH unit)	Reference Reading (pH unit)	Display Reading (pH unit)	Deviation (pH unit)
4.0	3.97	4.08	+0.11
7.0	6.92	7.03	+0.11
10.0	9.91	10.01	+0.10
	Tolerance Limit		±0.20

### Conductivity (Method Ref: APHA 19e, 2510)

KCI concentration (mol/L)	Reference Reading (ms/cm)	Display Reading (ms/cm)	Deviation (%)
0.0000	0.00	0.00	
0.1000	12.89	12.70	-1.50
0.2000	24.80	24.99	+0.77
0.5000	58.67	58.36	-0.53
	Tolerance Limit		±2.0

## Dissolved Oxygen (DO) (Method Ref: APHA 19e, 4500-O, C)

Reference DO reading (mg/L)	DO reading od DO probe (mg/L)	Deviation (mg/L)
8.93	8.85	-0.08
5.15	5.17	+0.02
1.58	1.71	+0.13
	Tolerance Limit	±0.20

Remarks:

(1) Maxium tolerance and calibration frequency stated in the report, unless otherewise stated,

the internal acceptance criteria of Pilot Testing Limited will be followed.

- (2) Displayed reading presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.
- (3) Because of high sensitivity and ease of measurement, the conductivity method (accoridng to APHA 19e 2510) is used to determine salinity.

- End of Report -



### EQUIPMENT PERFORMANCE CHECK / CALIBRATION REPORT

Report No.	: HK1510258
Project Name	: EQUIPMENT PERFORMANCE CHECK/CALIBRATION REPORT
Date of Issue	: 20/07/2015
Customer	: LAM GEOTECHNICS LIMITED
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WAN CHAI, HONG KONG
Calibration Job No.	: HK1510258
Test Item No.	: HK1510258-01
Test Item Details	
Test Item Description	: Multifunctional Meter
Manufacturer	: YSI
Model No.	: Professional Plus
Serial No.	: 14E100105
Performance Method	: Checked according to in-house method CAL005
	(References: Temperature (Section 6 of Intermational Accreditation New Zealand Technical Guide
	No. 3 Second edition March 2008: Working Thermometer Calibration Procedure), pH value
	(APHA 21e 4500H:B), Salinity (Refer to Conductivity APHA 19e 2510B)
	Dissolved oxygen (APHA 19e 4500-O.C))
Test Item Receipt Date	: 14-Jul-15
Test Item Calibration Date	: 15-Jul-15
Test Period	14/07/2015 - 20/07/2015

Notes: 1. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.

- 2. Results relate to item(s) as received.
- 3. ± indicates the tolerance limit
- 4. N/A = Not applicable
- 5. APHA American Public Health Association, American Water Works Association and Water Environment Federation, Standard Methods for the Examination of Water and Wastewater, APHA-AWWA-WEF. USA
- 6. DO, pH, salinity and temperature performance check was conducted by Pilot Testing Limited.
- 7. Because of high sensitivity and ease of measurement, the conductivity method (according to APHA 19e 2510) is used to determine salinity.

Approved Signatory

Canah Mr. Peter Lee (Director)

Issue Date:

20/07/2015

**Pilot Testing Limited** Address: Room B12, Block B, 5/F, Tonic Industrial Centre, 19 Lam Hing Street, Kowloon Bay, Kowloon Tel: (852) 2527 6691 email: test@pilot-testing.com



WORK ORDER:	HK1510258	
DATE OF ISSUE:	20/07/2015	
CLIENT:	LAM GEOTECHNICS LIMITED	

Equipment Type	Multifunctional Meter	
Manufacturer	YSI	
Model No.	Professional Plus	
Serial No.	14E100105	
Date of Calibration	15-Jul-15	
Date of next Calibation	15-Oct-15	

#### Parameters:

Temperature (Method Ref: Section 6 of Intermational Accreditation New Zealand Technical Guide No.3 Second edition March 2008: Working Thermometer Calibration Procedure)

Reference Reading (°C)	Display Reading (°C)	Deviation (°C)
9.6	10.5	+0.9
19.9	20.3	+0.4
32.0	31.5	-0.5
	Folerance Limit	±2.0

#### pH Value (Method Ref: APHA21e, 4500H:B)

Expected Reading (pH unit)	Reference Reading (pH unit)	Display Reading (pH unit)	Deviation (pH unit)
4.0	3.92	4.07	+0.15
7.0	6.94	6.97	+0.03
10.0	9.91	10.03	+0.12
	Tolerance Limit		±0.20

### Conductivity (Method Ref: APHA 19e, 2510)

KCI concentration (mol/L)	Reference Reading (ms/cm)	Display Reading (ms/cm)	Deviation (%)
0.0000	0.00	0.00	
0.1000	12.89	12.70	-1.45
0.2000	24.80	24.53	-1.08
0.5000	58.67	58.09	-0.99
	Tolerance Limit		±2.0

## Dissolved Oxygen (DO) (Method Ref: APHA 19e, 4500-O, C)

Reference DO reading (mg/L)	DO reading od DO probe (mg/L)	Deviation (mg/L)
8.41	8.46	+0.05
3.18	3.36	+0.18
1.06	1.09	+0.03
	Tolerance Limit	±0.20

Remarks:

- Maxium tolerance and calibration frequency stated in the report, unless otherewise stated, the internal acceptance criteria of Pilot Testing Limited will be followed.
   Disclored acceptance in the follower shares are internal acceptance (acceptance).
- (2) Displayed reading presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.
- (3) Because of high sensitivity and ease of measurement, the conductivity method (accoridng to APHA 19e 2510) is used to determine salinity.

- End of Report -



#### EQUIPMENT PERFORMANCE CHECK / CALIBRATION REPORT

Report No.	: HK1510134
Project Name	: EQUIPMENT PERFORMANCE CHECK/CALIBRATION REPORT
Date of Issue	: 24/04/2015
Customer	: LAM GEOTECHNICS LIMITED
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WAN CHAI, HONG KONG
Calibration Job No.	: HK1510134
Test Item No.	: HK1510134-01
Test Item Details	
Test Item Description	: Multifunctional Meter
Manufacturer	: YSI
Model No.	: Professional Plus
Serial No.	: 14M100277
Performance Method	: Checked according to in-house method CAL005
	(References: Temperature (Section 6 of International Accreditation New Zealand Technical Guide
	No. 3 Second edition March 2008: Working Thermometer Calibration Procedure), pH value
	(APHA 21e 4500H:B), Salinity (Refer to Conductivity APHA 19e 2510B) , Dissolved oxygen (APHA 19e 4500-O,C))
Test Item Receipt Date	: 17-Apr-15
Test Item Calibration Date	: 17-Apr-15
Test Period	: 17/04/2015 - 24/04/2015

Notes: 1. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.

- 2. Results relate to item(s) as received.
- 3. ± indicates the tolerance limit
- 4. N/A = Not applicable
- 5. APHA American Public Health Association, American Water Works Association and Water Environment Federation, Standard Methods for the Examination of Water and Wastewater, APHA-AWWA-WEF. USA
- 6. DO, pH, salinity and temperature performance check was conducted by Pilot Testing Limited.
- 7. Because of high sensitivity and ease of measurement, the conductivity method (according to APHA 19e 2510) is used to determine salinity.

Approved Signatory

cauan Mr. Peter Lee

(Director)

Issue Date:

24/04/2015

Pilot Testing Limited Address: Room B12, Block B, 5/F, Tonic Industrial Centre, 19 Lam Hing Street, Kowloon Bay, Kowloon Tel: (852) 2527 6691 email: test@pilot-testing.com

WORK ORDER:	HK1510134
DATE OF ISSUE:	24/04/2015
CLIENT:	LAM GEOTECHNICS LIMITED

Equipment Type	Multifunctional Meter	
Manufacturer	YSI	
Model No.	Professional Plus	
Serial No.	14M100277	_
Date of Calibration	17-Apr-15	
Date of next Calibation	17-Jul-15	

#### Parameters:

Temperature (Method Ref: Section 6 of Intermational Accreditation New Zealand Technical Guide No.3 Second edition March 2008: Working Thermometer Calibration Procedure)

Reference Reading (°C)	Display Reading (°C)	Deviation (°C)
10.2	10.5	+0.3
19.7	19.1	-0.6
31.3	31.3	0.0
	Tolerance Limit	±2.0

## pH Value (Method Ref: APHA21e, 4500H:B)

Expected Reading (pH unit)	Reference Reading (pH unit)	Display Reading (pH unit)	Deviation (pH unit)
4.0	3.97	4.14	+0.17
7.0	6.88	7.03	+0.15
10.0	9.84	9.90	+0.06
	Tolerance Limit		±0.20

## Conductivity (Method Ref: APHA 19e, 2510)

KCI concentration (mol/L)	Reference Reading (ms/cm)	Display Reading (ms/cm)	Deviation (%)
0.0000	0.00	0.00	
0.1000	12.89	13.08	+1.47
0.2000	24.80	24.43	-1.49
0.5000	58.67	58.10	-0.97
	Tolerance Limit		±2.0

## Dissolved Oxygen (DO) (Method Ref: APHA 19e, 4500-O, C)

Reference DO reading (mg/L)	DO reading od DO probe (mg/L)	Deviation (mg/L)
8.18	8.06	-0.12
5.59	5.46	-0.13
3.00	2.96	-0.04
	Tolerance Limit	±0.20

Remarks:

(1) Maxium tolerance and calibration frequency stated in the report, unless otherewise stated,

the internal acceptance criteria of Pilot Testing Limited will be followed.

(2) Displayed reading presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.

(3) Because of high sensitivity and ease of measurement, the conductivity method (accoridng to APHA 19e 2510) is used to determine salinity.

- End of Report -



#### EQUIPMENT PERFORMANCE CHECK / CALIBRATION REPORT

Report No. Project Name Date of Issue	HK1510261     EQUIPMENT PERFORMANCE CHECK/CALIBRATION REPORT     24/07/2015
Customer	LAM GEOTECHNICS LIMITED
Address	: 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WAN CHAI, HONG KONG
Calibration Job No.	: HK1510261
Test Item No.	: HK1510261-01
Test Item Details	
Test Item Description	: Multifunctional Meter
Manufacturer	: YSI
Model No.	: Professional Plus
Serial No.	: 14M100277
Performance Method	: Checked according to in-house method CAL005
	(References: Temperature (Section 6 of Intermational Accreditation New Zealand Technical Guide
	No. 3 Second edition March 2008: Working Thermometer Calibration Procedure), pH value
	(APHA 21e 4500H:B), Salinity (Refer to Conductivity APHA 19e 2510B)
	Dissolved oxygen (APHA 19e 4500-O.C))
Test Item Receipt Date	: 17-Jul-15
Test Item Calibration Date	: 17-Jul-15
Test Period	17/07/2015 - 24/07/2015

Notes: 1. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.

- 2. Results relate to item(s) as received.
- 3. ± indicates the tolerance limit
- 4. N/A = Not applicable
- 5. APHA American Public Health Association, American Water Works Association and Water Environment Federation, Standard Methods for the Examination of Water and Wastewater, APHA-AWWA-WEF. USA
- 6. DO, pH, salinity and temperature performance check was conducted by Pilot Testing Limited.
- 7. Because of high sensitivity and ease of measurement, the conductivity method (according to APHA 19e 2510) is used to determine salinity.

Approved Signatory

aman Mr. Peter Lee

(Director)

Issue Date:

24/07/2015

**Pilot Testing Limited** Address: Room B12, Block B, 5/F, Tonic Industrial Centre, 19 Lam Hing Street, Kowloon Bay, Kowloon Tel: (852) 2527 6691 email: test@pilot-testing.com

WORK ORDER:	HK1510261
DATE OF ISSUE:	24/07/2015
CLIENT:	LAM GEOTECHNICS LIMITED

Equipment Type	Multifunctional Meter	
Manufacturer	YSI	
Model No.	Professional Plus	
Serial No.	14M100277	
Date of Calibration	17-Jul-15	
Date of next Calibation	17-Oct-15	

#### Parameters:

Temperature (Method Ref: Section 6 of Intermational Accreditation New Zealand Technical Guide No.3 Second edition March 2008: Working Thermometer Calibration Procedure)

Reference Reading (°C)	Display Reading (°C)	Deviation (°C)
10.3	10.4	+0.1
19.9	20.0	+0.1
29.5	29.4	-0.1
	Tolerance Limit	±2.0

#### pH Value (Method Ref: APHA21e, 4500H:B)

Expected Reading (pH unit)	Reference Reading (pH unit)	Display Reading (pH unit)	Deviation (pH unit)
4.0	4.02	4.04	+0.02
7.0	6.98	7.07	+0.09
10.0	9.94	10.06	+0.12
	Tolerance Limit		±0.20

### Conductivity (Method Ref: APHA 19e, 2510)

KCI concentration (mol/L)	Reference Reading (ms/cm)	Display Reading (ms/cm)	Deviation (%)
0.0000	0.00	0.00	
0.1000	12.89	12.66	-1.79
0.2000	24.80	25.12	+1.29
0.5000	58.67	58.77	+0.17
	Tolerance Limit		±2.0

## Dissolved Oxygen (DO) (Method Ref: APHA 19e, 4500-O, C)

Reference DO reading (mg/L)	DO reading od DO probe (mg/L)	Deviation (mg/L)
6.34	6.42	+0.08
3.10	3.17	+0.07
1.51	1.43	-0.08
	Tolerance Limit	±0.20

Remarks:

(1) Maxium tolerance and calibration frequency stated in the report, unless otherewise stated, the internal acceptance criteria of Pilot Testing Limited will be followed.

(2) Displayed reading presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.

(3) Because of high sensitivity and ease of measurement, the conductivity method (accoridng to APHA 19e 2510) is used to determine salinity.

- End of Report -



#### EQUIPMENT PERFORMANCE CHECK / CALIBRATION REPORT

Report No. Project Name Date of Issue	: HK1510132 : EQUIPMENT PERFORMANCE CHECK/CALIBRATION REPORT : 21/04/2015
Customer Address	: LAM GEOTECHNICS LIMITED : 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WAN CHAI, HONG KONG
Calibration Job No.	: HK1510132
Test Item No.	HK1510132-01
Test Item Details	
Test Item Description	: Multifunctional Meter
Manufacturer	: YSI
Model No.	Professional Plus
Serial No.	: 11F100420
Performance Method	<ul> <li>Checked according to in-house method CAL005 (References: Temperature (Section 6 of Intermational Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure), pH value (APHA 21e 4500H:B), Salinity (Refer to Conductivity APHA 19e 2510B)</li> <li>, Dissolved oxygen (APHA 19e 4500-O,C))</li> </ul>
Test Item Receipt Date	: 14-Apr-15
Test Item Calibration Date	: 15-Apr-15
Test Period	: 14/4/2015 - 21/4/2015

Notes: 1. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.

- 2. Results relate to item(s) as received.
- 3. ± indicates the tolerance limit
- 4. N/A = Not applicable
- 5. APHA American Public Health Association, American Water Works Association and Water Environment Federation, Standard Methods for the Examination of Water and Wastewater, APHA-AWWA-WEF. USA
- 6. DO, pH, salinity and temperature performance check was conducted by Pilot Testing Limited.
- 7. Because of high sensitivity and ease of measurement, the conductivity method (according to APHA 19e 2510) is used to determine salinity.

Approved Signatory

Cuna Mr. Peter Lee

(Director)

Issue Date:

21/04/2015

Pilot Testing Limited Address: Room B12, Block B, 5/F, Tonic Industrial Centre, 19 Lam Hing Street, Kowloon Bay, Kowloon Tel: (852) 2527 6691 email: test@pilot-testing.com

WORK ORDER:	HK1510132
DATE OF ISSUE:	21/04/2015
CLIENT:	LAM GEOTECHNICS LIMITED

Equipment Type	Multifunctional Meter	
Manufacturer	YSI	
Model No.	Professional Plus	
Serial No.	11F100420	
Date of Calibration	15-Apr-15	
Date of next Calibation	15-Jul-15	

#### Parameters:

Temperature (Method Ref: Section 6 of Intermational Accreditation New Zealand Technical Guide No.3 Second edition March 2008: Working Thermometer Calibration Procedure)

Reference Reading (°C)	Display Reading (°C)	Deviation (°C)
10.2	11.1	+0.9
19.9	20.3	+0.4
28.9	28.5	-0.4
	Folerance Limit	±2.0

### pH Value (Method Ref: APHA21e, 4500H:B)

Expected Reading (pH unit)	Reference Reading (pH unit)	Display Reading (pH unit)	Deviation (pH unit)
4.0	3.97	4.09	+0.12
7.0	6.92	6.84	-0.08
10.0	9.91	9.97	+0.06
	Tolerance Limit		±0.20

### Conductivity (Method Ref: APHA 19e, 2510)

KCI concentration (mol/L)	Reference Reading (ms/cm)	Display Reading (ms/cm)	Deviation (%)
0.0000	0.00	0.00	Vée
0.1000	12.89	12.77	-0.93
0.2000	24.80	24.42	-1.53
0.5000	58.67	58.05	-1.05
	Tolerance Limit	A = 1 = 5	±2.0

## Dissolved Oxygen (DO) (Method Ref: APHA 19e, 4500-O, C)

Reference DO reading (mg/L)	DO reading od DO probe (mg/L)	Deviation (mg/L)	
8.93	8.92	-0.01	
5.15	5.20	+0.05	
1.58	1.64	+0.06	
	Tolerance Limit	±0.20	

Remarks:

(1) Maxium tolerance and calibration frequency stated in the report, unless otherewise stated, the internal acceptance criteria of Pilot Testing Limited will be followed.

(2) Displayed reading presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.

(3) Because of high sensitivity and ease of measurement, the conductivity method (accoridng to APHA 19e 2510) is used to determine salinity.

- End of Report -



#### EQUIPMENT PERFORMANCE CHECK / CALIBRATION REPORT

Report No. Project Name Date of Issue	: HK1510259 : EQUIPMENT PERFORMANCE CHECK/CALIBRATION REPORT : 20/07/2015
Customer Address	: LAM GEOTECHNICS LIMITED : 11/F., CENTRE POINT, 181-185 GLOUCESTER ROAD, WAN CHAI, HONG KONG
Calibration Job No.	: HK1510259
Test Item No.	: HK1510259-01
Test Item Details	
Test Item Description	: Multifunctional Meter
Manufacturer	: YSI
Model No.	: Professional Plus
Serial No.	: 11F100420
Performance Method	: Checked according to in-house method CAL005
	(References: Temperature (Section 6 of Intermational Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure), pH value (APHA 21e 4500H:B), Salinity (Refer to Conductivity APHA 19e 2510B) , Dissolved oxygen (APHA 19e 4500-O,C))
Test Item Receipt Date	: 14-Jul-15
Test Item Calibration Date	: 15-Jul-15
Test Period	14/7/2015 - 20/7/2015

Notes: 1. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.

- 2. Results relate to item(s) as received.
- 3. ± indicates the tolerance limit
- 4. N/A = Not applicable
- 5. APHA American Public Health Association, American Water Works Association and Water Environment Federation, Standard Methods for the Examination of Water and Wastewater, APHA-AWWA-WEF. USA
- 6. DO, pH, salinity and temperature performance check was conducted by Pilot Testing Limited.
- 7. Because of high sensitivity and ease of measurement, the conductivity method (according to APHA 19e 2510) is used to determine salinity.

Approved Signatory

awan 6 Mr. Peter Lee

(Director)

Issue Date:

20/07/2015

Pilot Testing Limited Address: Room B12, Block B, 5/F, Tonic Industrial Centre, 19 Lam Hing Street, Kowloon Bay, Kowloon Tel: (852) 2527 6691 email: test@pilot-testing.com

WORK ORDER:	HK1510259
DATE OF ISSUE:	20/07/2015
CLIENT:	LAM GEOTECHNICS LIMITED

Equipment Type	Multifunctional Meter	
Manufacturer	YSI	
Model No.	Professional Plus	
Serial No.	11F100420	
Date of Calibration	15-Jul-15	
Date of next Calibation	15-Oct-15	

#### Parameters:

Temperature (Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No.3 Second edition March 2008: Working Thermometer Calibration Procedure)

Reference Reading (°C)	Display Reading (°C)	Deviation (°C)
9.8	10.1	+0.3
20.2	20.3	+0.1
30.1	29.5	-0.6
T	olerance Limit	±2.0

#### pH Value (Method Ref: APHA21e, 4500H:B)

Expected Reading (pH unit)	Reference Reading (pH unit)	Display Reading (pH unit)	Deviation (pH unit)
4.0	4.02	4.08	+0.06
7.0	6.92	6.87	-0.05
10.0	10.10	9.98	-0.12
	Tolerance Limit		±0.20

## Conductivity (Method Ref: APHA 19e, 2510)

KCI concentration (mol/L)	Reference Reading (ms/cm)	Display Reading (ms/cm)	Deviation (%)	
0.0000	0.00	0.00		
0.1000	12.89	12.92	+0.23	
0.2000	24.80	24.52	-1.13	
0.5000	58.67	59.10	+0.73	
	Tolerance Limit		±2.0	

## Dissolved Oxygen (DO) (Method Ref: APHA 19e, 4500-O, C)

Reference DO reading (mg/L)	DO reading od DO probe (mg/L)	Deviation (mg/L)
8.83	8.90	+0.07
5.23	5.26	+0.03
1.17	1.24	+0.07
	Tolerance Limit	±0.20

Remarks:

(1) Maxium tolerance and calibration frequency stated in the report, unless otherewise stated, the internal acceptance criteria of Pilot Testing Limited will be followed.

(2) Displayed reading presents the figures shown on item under calibration/checking regardless of equipment precision or significant figures.

(3) Because of high sensitivity and ease of measurement, the conductivity method (accoridng to APHA 19e 2510) is used to determine salinity.

- End of Report -



Website: www.cigismec.com

E-mail: smec@cigismec.com

Tel : (852) 2873 6860 Fax : (852) 2555 7533



## **CERTIFICATE OF CALIBRATION**

Certificate No.:	15CA0312 02-02		Page:	1 of 2
Item tested				
Description:	Acoustical Calibra	ator (Class 1)		
Manufacturer:	B&K			
Type/Model No.:	4230			
Serial/Equipment No.:	1411076			
Adaptors used:	Yes			
Item submitted by				
Curstomer:	Lam Geotechnics	Limited		
Address of Customer:	2			
Request No.:				
Date of receipt:	12-Mar-2015			
Date of test:	13-Mar-2015			
Reference equipment	used in the calil	bration		
Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Lab standard microphone	B&K 4180	2412857	13-May-2015	SCL
Preamplifier	B&K 2673	2239857	10-Apr-2015	CEPREI
Measuring amplifier	B&K 2610	2346941	08-Apr-2015	CEPREI
Signal generator	DS 360	61227	09-Apr-2015	CEPREI
	34401A	US36087050	01-Dec-2015	CEPREI
Digital multi-meter	044017			
Audio analyzer	8903B	GB41300350	07-Apr-2015	CEPREI

#### Ambient conditions

Temperature:	21 ± 1 °C
Relative humidity:	60 ± 10 %
Air pressure:	1010 ± 5 hPa

#### **Test specifications**

1, The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B and the lab calibration procedure SMTP004-CA-156.

2, The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.

3, The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

#### **Test results**

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on page 2 of this certificate

Approved Signatory: Huang Jian Min/Feng Jun Qi

13-Mar-2015 Company Chop:



Comments: The results reported in this certificate refer to the conditon of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

Date:

© Soils & Materials Engineering Co., Ltd.

Form No CARP156-1/Issue 1/Rev D/01/03/2007

Hong Kong Accreditation Service (HKAS) has accredited this laboratory (Reg. No. 028 - CAL) under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific calibration activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this certificate were determined by this laboratory in accordance with its terms of accreditation. Such terms of accreditation stipulate that the results shall be traceable to the International System of Units (S.I.) or recognised measurement standards. This certificate shall not be reproduced except in full.



## 綜合試驗有限公司 SOILS & MATERIALS ENGINEERING CO., LTD.

G/F., 9/F., 12/F., 13/F. & 20/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. 香港黃竹坑道37號利達中心地下,9樓,12樓,13樓及20樓 E-mail: smec@cigismec.com Website: www.cigismec.com Tel : (852) 2873 6860 Fax : (852) 2555 7533



## **CERTIFICATE OF CALIBRATION**

(Continuation Page)

Certificate No.:

15CA0312 02-02

Page: 2 of 2

#### 1, Measured Sound Pressure Level

The output Sound Pressure Level in the calibrator head was measured at the setting and frequency shown using a calibrated laboratory standard microphone and insert voltage technique. The results are given in below with the estimated uncertainties.

Frequency	Output Sound Pressure	Measured Output	Estimated Expanded
Shown	Level Setting	Sound Pressure Level	Uncertainty
Hz	dB	dB	dB
1000	94.00	94.22	0.10

#### 2, Sound Pressure Level Stability - Short Term Fluctuations

The Short Term Fluctuations was determined by measuring the maximum and minimum of the fast weighted DC output of the B&K 2610 measuring amplifier over a 20 second time interval as required in the standard. The Short Term Fluctuation was found to be:

At 1000 Hz	STF = 0.002 dB
Estimated expanded uncertainty	0.005 dB

#### 3, Actual Output Frequency

The determination of actual output frequency was made using a B&K 4180 microphone together with a B&K 2673 preamplifier connected to a B&K 2610 measuring amplifier. The AC output of the B&K 2610 was taken to an universal counter which was used to determine the frequency averaged over 20 second of operation as required by the standard. The actual output frequency at 1 KHz was:

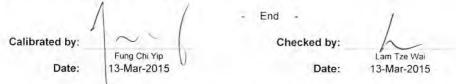
At 1000 Hz	Actual Frequency = 965.3 Hz	
Estimated expanded uncertainty	0.1 Hz	Coverage factor k = 2.2

#### 4, Total Noise and Distortion

For the Total Noise and Distortion measurement, the unfiltered AC output of the B&K 2610 measuring amplifier was connected to an Agilent Type 8903 B distortion analyser. The TND result at 1 KHz was:

At 1000 Hz	TND = 0.7 %
Estimated expanded uncertainty	0.7 %

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.



The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.

© Soils & Materials Engineering Co., Ltd.	

Form No CARP156-2/Issue 1/Rev C/01/05/2005

Hong Kong Accreditation Service (HKAS) has accredited this laboratory (Reg. No. 028 - CAL) under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific calibration activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this certificate were determined by this laboratory in accordance with its terms of accreditation. Such terms of accreditation stipulate that the results shall be traceable to the International System of Units (S.I.) or recognised measurement standards. This certificate shall not be reproduced except in full.



## 綜合試驗有限公司 SOILS & MATERIALS ENGINEERING CO., LTD.

G/F., 9/F., 12/F., 13/F. & 20/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. 香港黃竹坑道37號利達中心地下,9樓,12樓,13樓及20樓 E-mail: smec@cigismec.com Website: www.cigismec.com

Tel : (852) 2873 6860 Fax : (852) 2555 7533



## **CERTIFICATE OF CALIBRATION**

Certificate No.:	14CA1213 01			Page	1	of	2
Item tested							
Description: Manufacturer: Type/Model No.: Serial/Equipment No.: Adaptors used:	Sound Level Mete B & K 2236 2100736 -	er (Type 1)	a 1 1 2 3	Microphone B & K 4188 2288941 -			
Item submitted by							
Customer Name: Address of Customer: Request No.: Date of receipt:	Lam Geotechnics - - 13-Dec-2014	Limited					
Date of test:	13-Dec-2014						
Reference equipment	used in the calib	ration					
Description:	Model:	Serial No.		Expiry Date:		Traceal	ble to:
Multi function sound calibrator	B&K 4226	2288444		20-Jun-2015		CIGISM	EC
Signal generator	DS 360	33873		09-Apr-2015		CEPREI	
Signal generator	DS 360	61227		09-Apr-2015		CEPREI	
Ambient conditions							
Temperature:	21 ± 1 °C						
Relative humidity:	60 ± 5 %						
Air pressure:	1010 ± 5 hPa						
Test specifications							

- 1. The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.
- 2. The electrical tests were performed using an electrical signal substituted for the microphone which was removed and replaced by an equivalent capacitance within a tolerance of ±20%.
- 3. The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsess of the Sound Level Meter.

## **Test results**

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Actual Measurement data are documented on worksheets.

Approved Signatory:

Huang Jian Min/Feng Jun Qi

15-Dec-2014 Company Chop:



**Comments:** The results reported h-/his certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

Date:

© Soils & Materials Engineering Co., Ltd.

Form No CARP152-1/Issue 1/Rev C/01/02/2007

Hong Kong Accreditation Service (HKAS) has accredited this laboratory (Reg. No. 028 - CAL) under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific calibration activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this certificate were determined by this laboratory in accordance with its terms of accreditation. Such terms of accreditation stipulate that the results shall be traceable to the International System of Units (S.I.) or recognised measurement standards. This certificate shall not be reproduced except in full.



## 綜合試驗有限公司 SOILS & MATERIALS ENGINEERING CO., LTD.

G/F., 9/F., 12/F., 13/F. & 20/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. 香港黃竹坑道37號利達中心地下,9樓,1 2樓,1 3樓及20樓 E-mail: smec@cigismec.com Website: www.cigismec.com Tel : (852) 2873 6860 Fax : (852) 2555 7533



## CERTIFICATE OF CALIBRATION

(Continuation Page)

Certificate No.:

#### 14CA1213 01

Page 2 of 2

#### 1, Electrical Tests

The electrical tests were performed using an equivalent capacitance substituted for the microphone. The results are given in below with test status and the estimated uncertainties. The "Pass" means the result of the test is inside the tolerances stated in the test specifications. The "-" means the result of test is outside these tolerances.

Test:	Culture	<b>C</b> 1-1-1-1	Expanded	Coverage
Test.	Subtest:	Status:	Uncertanity (dB)	Factor
Self-generated noise	A	Pass	0.3	
	C	Pass	1.0	2.1
	Lin	Pass	2.0	2.2
Linearity range for Leq	At reference range , Step 5 dB at 4 kHz	Pass	0.3	
	Reference SPL on all other ranges	Pass	0.3	
	2 dB below upper limit of each range	Pass	0.3	
	2 dB above lower limit of each range	Pass	0.3	
Linearity range for SPL	At reference range , Step 5 dB at 4 kHz	Pass	0.3	
Frequency weightings	A	Pass	0.3	
	C	Pass	0.3	
	Lin	Pass	0.3	
Time weightings	Single Burst Fast	Pass	0.3	
	Single Burst Slow	Pass	0.3	
Peak response	Single 100µs rectangular pulse	Pass	0.3	
R.M.S. accuracy	Crest factor of 3	Pass	0.3	
Time weighting I	Single burst 5 ms at 2000 Hz	Pass	0.3	
	Repeated at frequency of 100 Hz	Pass	0.3	
Time averaging	1 ms burst duty factor 1/10 <sup>3</sup> at 4kHz	Pass	0.3	
	1 ms burst duty factor 1/10 <sup>4</sup> at 4kHz	Pass	0.3	
Pulse range	Single burst 10 ms at 4 kHz	Pass	0.4	
Sound exposure level	Single burst 10 ms at 4 kHz	Pass	0.4	
Overload indication	SPL	Pass	0.3	
	Leq	Pass	0.4	

#### 2, Acoustic tests

The complete sound level meter was calibrated on the reference range using a B&K 4226 acoustic calibrator with 1000Hz and SPL 94 dB. The sensitivity of the sound level meter was adjusted. The test result at 125 Hz and 8000 Hz are given in below with test status and the estimated uncertainties.

Test:	Subtest	Status	Expanded Uncertanity (dB)	Coverage Factor
Acoustic response	Weighting A at 125 Hz	Pass	0.3	
	Weighting A at 8000 Hz	Pass	0.5	

Response to associated sound calibrator

#### N/A

3,

The expanded uncertainties have been calculated in accordance with the ISO Publication "Guide to the expression of uncertainty in measurement", and gives an interval estimated to have a level of confidence of 95%. A coverage factor of 2 is assumed unless explicitly stated.



The standard(s) and equipment used in the calibration are traceable to national or international recognised standards and are calibrated on a schedule to maintain the required accuracy level.

© Soils & Materials Engineering Co., Ltd.

Form No.CARP152-2/Issue 1/Rev.C/01/02/2007

Hong Kong Accreditation Service (HKAS) has accredited this laboratory (Reg. No. 028 - CAL) under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific calibration activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this certificate were determined by this laboratory in accordance with its terms of accreditation. Such terms of accreditation stipulate that the results shall be traceable to the International System of Units (S.I.) or recognised measurement standards. This certificate shall not be reproduced except in full.



TISCH ENVIRONMENTAL, INC. 145 SOUTH MIAMI AVE VILLAGE OF CLEVES, OH 45002 513.467.9000 877.263.7610 TOLL FREE 513.467.9009 FAX

## ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

perator	Tisch	Orifice I.I	J 	0005	Pa (mm) -	- 749.3
					METER	ORFICE
PLATE	VOLUME	VOLUME	DIFF	DIFF	DIFF	DIFF
OR	START	STOP	VOLUME	TIME	Hg	H2O
Run #	(m3)	(m3)	(m3)	(min)	(mm)	(in.)
1	NA	NA	1.00	1.3930	3.2	2.00
2	NA	NA	1.00	0.9800	6.4	4.00
3	NA	NA	1.00	0.8790	7.9	5.00
4	NA	NA	1.00	0.8350	8.7	5.5
5	NA	NA	1.00	0.6900	12.7	8.00

## DATA TABULATION

Vstd	(x axis) Qstd	(y axis)	Va	(x axis) Qa	(y axis)
0.9883 0.9841 0.9820 0.9810 0.9757	0.7095 1.0042 1.1172 1.1749 1.4141	1.4090 1.9926 2.2278 2.3365 2.8179	0.9957 0.9915 0.9894 0.9884 0.9830	0.7148 1.0117 1.1256 1.1837 1.4247	0.8889 1.2570 1.4054 1.4740 1.7777
Qstd slop intercept coefficie y axis =	t (b) = ent (r) =	2.00072 -0.01209 0.99995 Pa/760) (298/Ta)]	Qa slop intercep coeffici y axis =	t (b) =	1.25282 -0.00763 0.99995 Ta/Pa}]

## CALCULATIONS

Vstd = Diff. Vol[(Pa-Diff. Hg)/760](298/Ta) Qstd = Vstd/Time

Va = Diff Vol [(Pa-Diff Hg)/Pa] Qa = Va/Time

For subsequent flow rate calculations:

Qstd =  $1/m\{[SQRT(H2O(Pa/760)(298/Ta))] - b\}$ Qa =  $1/m\{[SQRT H2O(Ta/Pa)] - b\}$ 



Lam Geotechincs Limited

## Calibration Data for High Volume Sampler (TSP Sampler)

Location	:	CMA1b	Calbration Date	:	10-Jun-15
Equipment no.	:	EL452	Calbration Due Date	:	10-Aug-15

## CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition										
Temperature, T <sub>a</sub>		303		Kelvin	Pressure, P	a	1	1007 mmHg		
Orifice Transfer Standard Information										
Equipment No.		EL086		Slope, m <sub>c</sub>	1.991	75	Intercept, bc	-0.00041		
Last Calibration Date		14-Jul-14	1		(Hx	P <sub>a</sub> / 10	)13.3 x 298 /	$(T_a)^{1/2}$		
Next Calibration Date		14-Jul-1	5		=	m <sub>c</sub> 2	$x Q_{std} + b_c$			
	Calibration of TSP									
Calibration	Mar	nometer Re	ading	C	Q <sub>std</sub>	Conti	nuous Flow	IC		
Point	H (inches of water)		(m <sup>3</sup>	<sup>3</sup> /min.) Recor		order, W	(W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31)			
	(up)	(down)	(difference)	X-	axis		(CFM)	Y-axis		
1	6.1	6.1	12.2	1.	7339		60	59.3176		
2	4.7	4.7	9.4	1.	5220		54	53.3859		
3	3.8	3.8	7.6	1.1	3686		48	47.4541		
4	2.3	2.3	4.6	1.	0648		38	37.5678		
5	1.4	1.4	2.8	0.	8308		30	29.6588		
By Linear Regression of	Y on X									
	Slope, m	=	33.1	850	Inte	ercept, b	=2	.2031		
Correlation Co	pefficient*	=	0.99	994						
Calibration	Accepted	=	Yes/	<b>\</b> 0**						

\* if Correlation Coefficient < 0.990, check and recalibration again.

**	Delete	as	appropriate.	•
----	--------	----	--------------	---

Remarks :					
Calibrated by	:	LuLu Mar	Checked by	:	Derek Lo
Date	:	10-Jun-15	Date	:	10-Jun-15



Lam Geotechincs Limited

## Calibration Data for High Volume Sampler (TSP Sampler)

Location	:	CMA2a	Calbration Date	:	10-Jun-15
Equipment no.	:	EL449	Calbration Due Date	:	10-Aug-15

## CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition												
Temperature, T <sub>a</sub>		303		Kelvin <b>Pressure, P</b> a 1007 mm								
Orifice Transfer Standard Information												
Equipment No.		EL086		Slope, mc 1.991 <sup>°</sup>	75	Intercept, bc	-0.00041					
Last Calibration Date		14-Jul-14	1	(H)	x P <sub>a</sub> / 10	13.3 x 298 / 7	$(T_a)^{1/2}$					
Next Calibration Date		14-Jul-18	5	=	$m_c$ >	$Q_{std} + b_c$						
Calibration of TSP												
Calibration	Mar	nometer Re	eading	Q <sub>std</sub>	Contin	uous Flow	IC					
Point	H (inches of water)		(m <sup>3</sup> / min.)	Recorder, W		(W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31)						
	(up)	(down)	(difference)	X-axis	(	CFM)	Y-axis					
1	5.9	5.9	11.8	1.7053		60	59.3176					
2	4.8	4.8	9.6	1.5381		52	51.4086					
3	3.8	3.8	7.6	1.3686		46	45.4768					
4	2.3	2.3	4.6	1.0648		36	35.5906					
5	1.4	1.4	2.8	0.8308		20	19.7725					
By Linear Regression of	Y on X											
	Slope, m	=	42.7	672 Inte	ercept, b =	-13.3	3484					
Correlation Co	Correlation Coefficient* = 0.5			000								
Calibration	Accepted	=	Yes/	<b>\o</b> **								

\* if Correlation Coefficient < 0.990, check and recalibration again.

**	Delete	as	appropriate.
----	--------	----	--------------

Remarks :					
Calibrated by	:	LuLu Mar	Checked by	:	Derek Lo
Date	:	10-Jun-15	Date	:	10-Jun-15



Lam Geotechincs Limited

## Calibration Data for High Volume Sampler (TSP Sampler)

Location	:	СМАЗа	Calbration Date	:	10-Jun-15
Equipment no.	:	EL333	Calbration Due Date	:	10-Aug-15

## CALIBRATION OF CONTINUOUS FLOW RECORDER

Ambient Condition									
Temperature, T <sub>a</sub>		303		Kelvin <b>Pressure, P</b> a				1007 mmHg	
Orifice Transfer Standard Information									
Equipment No.	EL086			Slope, m <sub>c</sub> 1.99175 Inte			Intercept, bc	ntercept, bc -0.00041	
Last Calibration Date		14-Jul-14			$(HxP_a / 1013.3 \times 298 / T_a)^{1/2}$				
Next Calibration Date		14-Jul-15			$= m_c \times Q_{std} + b_c$				
Calibration of TSP									
Calibration	Manometer Reading			Q	std	Continuous Flow		IC	
Point	H (inches of water)		(m <sup>3</sup> /	' min.)	Recorder, W		(W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31)		
	(up)	(down)	(difference)	Х-а	axis	(CFM)		Y-axis	
1	5.6	5.6	11.2	1.6	613		52	51.4086	
2	4.5	4.5	9.0	1.4	893	48		47.4541	
3	3.4	3.4	6.8	1.2	946	40		39.5451	
4	2.2	2.2	4.4	1.0	414	34		33.6133	
5	1.4	1.4	2.8	0.8	308		28	27.6816	
By Linear Regression of Y on X									
	Slope, m	=	28.9	984	Inte	ercept, b =	3	.3019	
Correlation Coefficient* = 0.99			964						
Calibration Accepted = Yes/			No**						

\* if Correlation Coefficient < 0.990, check and recalibration again.

**	Delete	as	approp	riate.
----	--------	----	--------	--------

Remarks :					
Calibrated by	:	LuLu Mar	Checked by	:	Derek Lo
Date	:	10-Jun-15	Date	:	10-Jun-15



Lam Geotechincs Limited

### Calibration Data for High Volume Sampler (TSP Sampler)

Location	:	CMA4a	Calbration Date	:	10-Jun-15
Equipment no.	:	EL390	Calbration Due Date	:	10-Aug-15

#### CALIBRATION OF CONTINUOUS FLOW RECORDER

				Ambient C	Condition							
Temperature, T <sub>a</sub>		303		Kelvin	Pressure, P	a		1007	mmHg			
			Orifice Tr	ansfer Sta	Indard Inform	nation						
Equipment No.		EL086		Slope, m <sub>c</sub>	1.991	75	Intercept, bc	-0.00041				
Last Calibration Date		14-Jul-14	4		(Hx	: P <sub>a</sub> / 10	)13.3 x 298 /	(T <sub>a</sub> ) <sup>1</sup>	/2			
Next Calibration Date		$= m_c \times Q_{std} + b_c$										
Calibration of TSP												
Calibration	Calibration Manometer Reading Q std Continuous Flow IC								IC			
Point	Н (і	inches of	water)	(m <sup>3</sup>	/ min.)	corder, W	(W(P <sub>a</sub> /1	013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31)				
	(up)	(down)	(difference)	X-	axis (C		(CFM)		Y-axis			
1	5.9	5.9	11.8	1.	7053		57	56.3517				
2	4.7	4.7	9.4	1.	5220		52		51.4086			
3	3.6	3.6	7.2	1.:	3321		44		43.4996			
4	2.3	2.3	4.6	1.0	0648		34		33.6133			
5	1.4	1.4	2.8	0.8	8308		26		25.7043			
By Linear Regression of	Y on X											
	Slope, m	=	35.8	979	Int	ercept, b	= -4	.2281				
Correlation Co	=	0.99	988									
Calibration	=	Yes/	<del>\o</del> **									

\* if Correlation Coefficient < 0.990, check and recalibration again.

\*\* Delete as appropriate.

Remarks :

Calibrated by

LuLu Mar

Checked by Date

Derek Lo

10-Jun-15

10-Jun-15

Lam Geotechincs Limited

### Calibration Data for High Volume Sampler (TSP Sampler)

Location	:	CMA5b	Calbration Date	:	02-Jun-15
Equipment no.	:	EL222	Calbration Due Date	:	02-Aug-15

### CALIBRATION OF CONTINUOUS FLOW RECORDER

	Ambient Condition													
Temperature, T <sub>a</sub>		303		Kelvin	Pressure, P	a	1	009 mmHg						
			Orifice T	ransfer Sta	andard Infor	mation								
Equipment No.		EL086		Slope, m <sub>c</sub>	1.991	75	Intercept, bc	-0.00041						
Last Calibration Date		14-Jul-14	4		(H)	(P <sub>a</sub> / 10	13.3 x 298 /	$(T_a)^{1/2}$						
Next Calibration Date		14-Jul-1	5	$= m_c \times Q_{std} + b_c$										
				Calibratio	on of TSP									
Calibration	Mar	nometer R	eading	G	Q <sub>std</sub>	Contir	nuous Flow	IC						
Point	Н (	inches of	water)	(m <sup>3</sup>	/ min.)	Rec	order, W	(W(P <sub>a</sub> /1013.3x298/T <sub>a</sub> ) <sup>1/2</sup> /35.31						
	(up)	(down)	(difference)	X-	z-axis (C		(CFM)	Y-axis						
1	6.3	6.3	12.6	1.	7639	65		64.3245						
2	4.8	4.8	9.6	1.	5397		58	57.3973						
3	3.6	3.6	7.2	1.3	3334		52	51.4596						
4	2.3	2.3	4.6	1.	0658		42	41.5636						
5	1.4	1.4	2.8	0.	8316		30	29.6883						
By Linear Regression of	Y on X													
	Slope, m	=	36.5	046	Int	ercept, b =	· 1.	1799						
Correlation Co	pefficient*	=	0.99	934										
Calibration	Accepted = Yes/No**													

\* if Correlation Coefficient < 0.990, check and recalibration again.

\*\* Delete as appropriate.

Remarks :

Calibrated by	:	LuLu Mar	Checked by	:	Derek Lo
Date	: -	02-Jun-15	Date	:	02-Jun-15



Lam Geotechincs Limited

### Calibration Data for High Volume Sampler (TSP Sampler)

Location	:	CMA6a	Calbration Date	:	10-Jun-15
Equipment no.	:	EL448	Calbration Due Date	:	10-Aug-15

### CALIBRATION OF CONTINUOUS FLOW RECORDER

				Ambient C	Condition							
Temperature, T <sub>a</sub>		303		Kelvin	Pressure, P	a	1	1007 mmHg				
			Orifice T	ansfer Sta	Indard Infor	mation						
Equipment No.		EL086		Slope, m <sub>c</sub>	1.991	75	Intercept, bc	-0.00041				
Last Calibration Date		14-Jul-14	4		(Hx	r P <sub>a</sub> / 10	13.3 x 298 /	$(T_a)^{1/2}$				
Next Calibration Date		14-Jul-1	5		=	m <sub>c</sub> x	$Q_{std} + b_c$					
Calibration of TSP												
Calibration	Calibration Manometer Reading Q std Continuous Flow IC											
Point	Н (і	inches of	water)	(m <sup>3</sup>	n <sup>3</sup> / min.) Record		order, W	$(W(P_a/1013.3x298/T_a)^{1/2}/35.31)$				
	(up)	(down)	(difference)	x-	-axis (Cl		CFM)	Y-axis				
1	5.8	5.8	11.6	1.0	6908	55		54.3745				
2	4.6	4.6	9.2	1.	5057	50		49.4314				
3	3.5	3.5	7.0	1.:	3135		44	43.4996				
4	2.3	2.3	4.6	1.(	0648		35	34.6020				
5	1.4	1.4	2.8	0.8	3308		28	27.6816				
By Linear Regression of	Y on X											
	Slope, m	=	31.6	381	Inte	ercept, b =	1.	3862				
Correlation Co	pefficient*	=	0.99	990								
Calibration	Accepted	=	Yes/	No**								

\* if Correlation Coefficient < 0.990, check and recalibration again.

**	Delete	as	appropriate.	•
----	--------	----	--------------	---

Remarks :					
Calibrated by	:	LuLu Mar	Checked by	:	Derek Lo
Date	:	10-Jun-15	Date	:	10-Jun-15



Appendix 5.1

Monitoring Schedules for Reporting Month and Coming Reporting Month

#### Contract No. HK/2011/07 Wan Chai Development Phase II and Central-Wan Chai Bypass Sampling, Field Measurement and Testing Works (Stage 2)

Environmental Monitoring Schedule July 2015

					50	ly 201						
Sunday	Monday		Tuesday		Wednesday		Thursday		Friday		Saturday	
28-Jun		29-Jun		30-Jun		1-Jul		2-Jul	3	-Jul		4-Jul
			24hr TSP									
			(CMA3a, CMA6a)									
	24hr TSP		1hr TSP								24hr TSP	
	Noise (daytime)											
	(M1a, M2b, M3a, M4b,	M5b, M6)	1									
	Impact WQM						Impact WQM				Impact WQM	
	Mid-ebb	10:29 17:29					Mid-ebb Mid-flood	12:27			Mid-ebb Mid-flood	13:55
5-Jul	Mid-flood	17:29 6-Jul		7-Jul		8-Jul	Mid-flood	19:32 9-Jul	10	-Jul	MIG-TIOOD	20:57 11-Jul
5 50		0.001		7-001		0.001		5-50	10	Jui		11-oui
	24hr TSP										24hr TSP	
	(CMA1a)										(CMA1a)	
	1hr TSP								24hr TSP		1hr TSP	
	Noise (daytime) (M1a, M2b)		Noise (daytime) (M3a, M4b, M5b, M6)									
	(MTa, M2b) Impact WQM		(10138, 10140, 10150, 1016)		Impact WQM				Impact WQM			
	Mid-ebb	15:26			Mid-flood	10:48				3:45		
	Mid-flood	22:28			Mid-ebb	17:10				9:27		
12-Jul		13-Jul		14-Jul		15-Jul		16-Jul		7-Jul		18-Jul
							24hr TSP		1hr TSP			
	Noise (daytime)		Noise (daytime)									
	(M1a, M2b)		(M3a, M4b, M5b, M6)									
	Impact WQM Mid-ebb	10:36			Impact WQM Mid-ebb	12:01			Impact WQM Mid-ebb 13	3:18		
	Mid-flood	17:28			Mid-flood	19:00				0:12		
19-Jul		20-Jul		21-Jul		22-Jul		23-Jul		4-Jul		25-Jul
					24hr TSP		1hr TSP					
			Noise (daytime)						Noise (daytime)			
	Impact WQM		(M3a, M4b, M5b, M6)		Impact WQM				(M1a, M2b)		Impact WQM	
	Mid-flood	8:18			Mid-flood	9:31					Mid-flood	0:19
	Mid-ebb	14:59			Mid-ebb	16:00					Mid-tobu	7:05
26-Jul	and obb	27-Jul		28-Jul		10.00						7.00
										l		
	Noise (daytime)									l		
	(M1a, M2b, M3a, M4b,	M5b, M6)										
										l		
Demerker Dr. 1. 1	hainting of each as it is				ing on 22 July 2015 during	- 41 · · ·		- 111				

Remarks: Due to the hoisting of amber rainstorm warning signal, the water quality monitoring on 22 July 2015 during flood tide and ebb tide were cancelled.

With respect to the maintenance works for the diverted seawater supply system to Windsor House Cooling water intake and suspension of seawater supply to Windsor House from the water storage tank for water quality sampling from 7 July 2015 to 13 July 2015, the WOM station C7 was cancelled on 8 July 2015 and was temporarily suspended from 9 July 2015 to 13 July 2015. The aforesaid monitoring station was resumed

#### Contract No. HK/2011/07 Wan Chai Development Phase II and Central-Wan Chai Bypass Sampling, Field Measurement and Testing Works (Stage 2) Tentative Environmental Monitoring Schedule August 2015

Sunday	Monday	Tuesday	Wednesday		Thursday	Friday	Saturday
,	,	28-Ju		29-Jul	30-Ju		
							-
		24hr TSP	1hr TSP				
		Impact WQM			Impact WQM		Impact WQM
		Mid-ebb 10:04 Mid-flood 17:21			Mid-ebb 11:25		Mid-ebb 12:55 Mid-flood 19:48
2-Aug	3-Aug	Mid-flood 17:21 4-Aug		5-Aug	Mid-flood 18:35 6-Aug	a 7-Aug	Mid-flood 19:48 8-Aug
2,009	07105	, .,		, ag	0 / 102	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	57.dg
	24hr TSP	1hr TSP					
	2411 101						
	Noise (daytime)	Noise (daytime)					
	(,						
	Impact WQM		Impact WQM			Impact WQM	
	Mid-ebb 14:23	3	Mid-flood	9:39		Mid-flood 12:06	
	Mid-flood 21:08			15:55		Mid-ebb 17:52	
9-Aug	10-Au			2-Aug	13-Au		
						24hr TSP	1hr TSP
	Noise (daytime)	Noise (daytime)					
	Impact WQM		Impact WQM			Impact WQM	
	Mid-ebb 9:35			11:07		Mid-ebb 12:22	2
	Mid-flood 16:40			18:06		Mid-flood 19:08	
16-Aug	17-Aug	g 18-Aug	1	9-Aug	20-Au	g 21-Aug	22-Aug
					24hr TSP	1hr TSP	
	Noise (daytime)	Noise (daytime)					
	Impact WQM		Impact WQM			Impact WQM	
	Mid-flood 7:29		Mid-flood	8:44		Mid-flood 10:15	
	Mid-ebb 14:00		Mid-ebb	15:04		Mid-ebb 16:18	
23-Aug	24-Aug	25-Aug	2	6-Aug	27-Aug	9	
			24hr TSP		1hr TSP		
			24(11.10)		111 105		
	Noine (doutime)	Noise (doutime)					
	Noise (daytime)	Noise (daytime)					
		Impact WQM			Impact WQM		
		Mid-ebb 8:49			Mid-ebb 10:16	3	
		Mid-flood 16:22			Mid-flood 17:33		
	1	10.22	1		11.00	-	



Appendix 5.2

Noise Monitoring Results and Graphical Presentations

#### Noise Monitoring Result

#### Day Time (0700 - 1900hrs on normal weekdays)

Location: M1a - Harbour Road Sports Centre

			Measurement Noise Lev			Baseline Level	Construction Noise Level	Limit Level
Date	Time	Weather	Leq	L10	L90	Leq	Leq	Leq
						Unit: dl	B(A), (30-min)	
29/06/15	13:40	Fine	74.0	76.5	69.5	72	69	75
06/07/15	14:00	Fine	74.1	76.0	70.0	72	70	75
13/07/15	14:22	Fine	73.0	75.5	69.0	72	65	75
24/07/15	13:10	Cloudy	72.4	75.0	67.0	72	59	75
27/07/15	10:11	Fine	72.8	75.5	67.5	72	64	75

Location: M2b - Noon-day gun area

		Measur	ement Noi	se Level		Baseline Level	Construction Noise Level	Limit Level
Date	Time	Weather	Leq	L10	L90	Leq	Leq	Leq
						Unit: dl	B(A), (30-min)	
29/06/15	14:22	Fine	68.5	69.5	66.5	68	61	75
06/07/15	14:31	Fine	69.6	72.0	65.5	68	65	75
13/07/15	15:05	Fine	66.7	67.5	64.0	68	67	75
24/07/15	14:14	Cloudy	67.9	69.5	65.5	68	56	75
27/07/15	13:35	Fine	67.2	68.5	65.0	68	67	75

Location: M3a - Tung Lo Wan Fire Station

			Measure	ement Noi	se Level	Baseline Level	Construction Noise Level	Limit Level
Date	Time	Weather	Leq	L10	L90	Leq	Leq	Leq
						Unit: di	B(A), (30-min)	
29/06/15	15:00	Fine	64.4	66.0	62.0	69	64	75
07/07/15	8:00	Fine	68.3	69.5	65.6	69	68	75
14/07/15	21:30	Fine	67.3	68.5	64.5	69	67	75
21/07/15	13:00	Cloudy	68.8	69.5	67.2	69	69	75
27/07/15	14:17	Fine	64.8	66.5	62.5	69	65	75

Location: M4b - Victoria Centre

 
 Measurement Noise Level
 Baseline Noise Level

 Leq
 L10
 L90
 Leq
 Construction Noise Level Limit Level Time Weather Date Leq Leq Unit: dB(A), (30min) 73.0 66 29/06/15 15:42 Fine 69.8 64.0 67 75 07/07/15 8:35 Fine 70.3 72.4 68.1 67 67 75 10:15 13:35 65.4 67.4 65 51 75 75 Fine 67.5 63.0 67 14/07/15 21/07/15 27/07/15 Cloudy 68.5 64.5 67 66 14:59 Fine 65.6 66.5 63.5 67 75

Location: M5b - City Garden

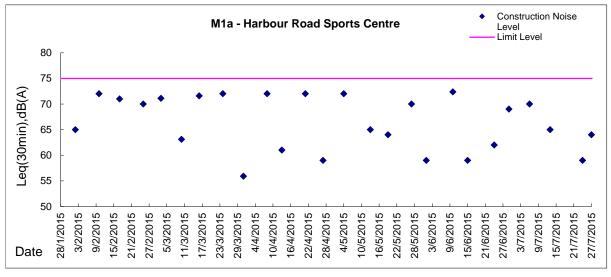
			Measur	ement Noi	se Level	Baseline Level	Construction Noise Level	Limit Level
Date	Time	Weather	Leq	L10	L90	Leq	Leq	Leq
						Unit: d	B(A), (30min)	
29/06/15	16:27	Fine	70.6	75.0	64.0	68	67	75
07/07/15	9:25	Fine	68.6	69.5	66.5	68	60	75
14/07/15	10:50	Fine	70.5	72.0	68.5	68	67	75
21/07/15	14:15	Cloudy	70.3	71.5	68.0	68	66	75
27/07/15	15:35	Fine	68.7	69.5	67.0	68	60	75

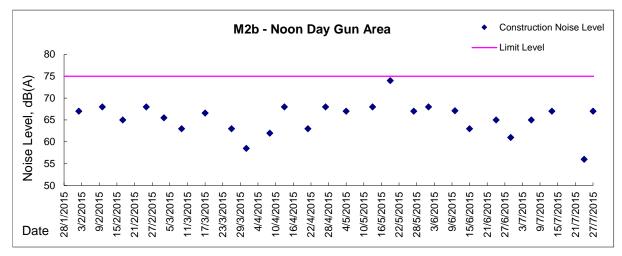
Location: M6 - HK Baptist Church Henrietta Secondary School

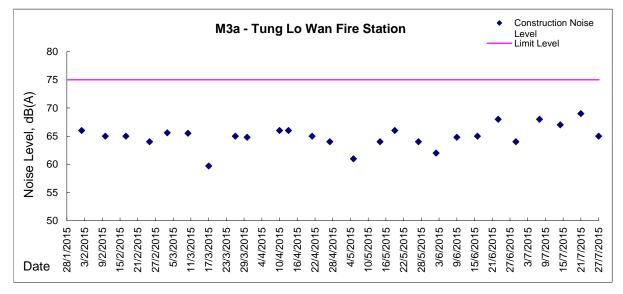
			Measur	ement Noi	se Level	Baseline Level	Construction Noise Level	Limit Level
Date	Time	Weather	Leq	L10	L90	Leq	Leq	Leq
						Unit: di	B(A), (30-min)	
29/06/15	17:03	Fine	72.1	1 74.5 67.5 71		71	67	70
07/07/15	10:10	Fine	67.5 68.5 65.5		71	68	70	
14/07/15	11:25	Fine	68.9	70.0	67.0	71	69	70
21/07/15	14:51	Cloudy	69.6	70.5	67.5	71	70	70
27/07/15	11:10	Fine	67.8	70.5	63.5	71	68	70



### Graphic Presentation of Noise Monitoring Result Day Time (0700 - 1900hrs on normal weekdays)

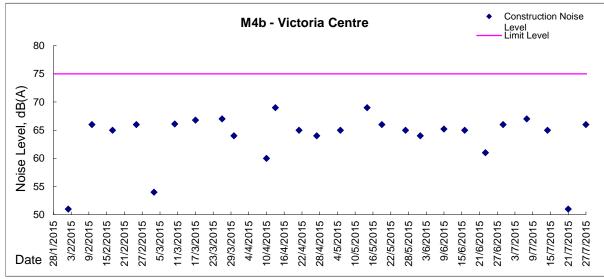


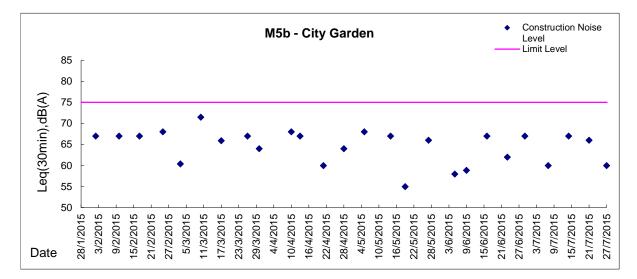


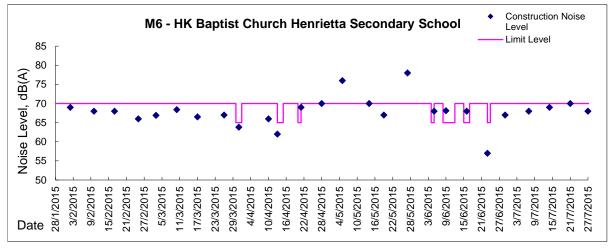




Graphic Presentation of Noise Monitoring Result Day Time (0700 - 1900hrs on normal weekdays)









Appendix 5.3

Air Quality Monitoring Results and Graphical Presentations, and odour Patrol Results

Location: CMA1b - Oil Street Site Office

# Report on 24-hour TSP monitoring Action Level ( $\mu$ g/m3) - 176.7

Limit Level ( $\mu$  g/m3) - 260

Date	Sampling	Weather	Filter	Filter Weigh	Filter Weight, g		e, hr	Sampling	Flo	w Rate, m <sup>3</sup> /	min	Total	TSP Level,
	Time	Condition	paper no.	Initial	Final	Initial	Final	Time, hr	Initial, Q <sub>si</sub>	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	$\mu$ g/m <sup>3</sup>
29-Jun-15	8:00	Fine	012282	2.8020	2.9106	6594.54	6618.54	24.00	1.13	1.14	1.14	1635	66.4
6-Jul-15	11:30	Fine	012500	2.8514	3.0681	6624.54	6648.54	24.00	1.08	1.08	1.08	1551	139.7
11-Jul-15	11:20	Fine	012602	2.8305	3.1063	6657.22	6681.22	24.00	1.13	1.13	1.13	1629	169.3
16-Jul-15	8:00	Cloudy	012596	2.8406	3.1074	6681.22	6705.22	24.00	1.13	1.14	1.13	1633	163.4
22-Jul-15	8:00	Rainy	012697	2.8224	3.0723	6708.22	6732.22	24.00	1.03	1.03	1.03	1478	169.1

Remarks: Due to interruption of electricity, the 24hr TSP was rescheduled from 4 and 10 July 2015 to 6 and 11 July 2015 respectively.

Report on 1-hour TSP monitoring

Action Level ( $\mu$ g/m3) - 320.1

Limit Level (  $\mu$  g/m3) - 500

Date	Sampling	Weather	Filter	Filter Weigh	nt, g	Elapse Time	e, hr	Sampling	Flo	w Rate, m³/	min	Total	TSP Level,
	Time	Condition	paper no.	Initial	Final	Initial	Final	Time, hr	Initial, Q <sub>si</sub>	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	μg/m³
30-Jun-15	8:10	Fine	012331	2.8186	2.8212	6618.54	6619.54	1.00	1.14	1.14	1.14	68	38.2
30-Jun-15	9:12	Fine	012328	2.8265	2.8283	6619.54	6620.54	1.00	1.14	1.14	1.14	68	26.4
30-Jun-15	10:14	Fine	012344	2.8513	2.8546	6620.54	6621.54	1.00	1.14	1.14	1.14	68	48.4
6-Jul-15	8:05	Fine	012480	2.8142	2.8261	6621.54	6622.54	1.00	1.02	1.02	1.02	61	194.4
6-Jul-15	9:07	Fine	012505	2.8424	2.8494	6622.54	6623.54	1.00	1.02	1.02	1.02	61	114.4
6-Jul-15	10:09	Fine	012502	2.8407	2.8475	6623.54	6624.54	1.00	1.02	1.02	1.02	61	111.1
11-Jul-15	8:00	Fine	012496	2.8350	2.8482	6654.22	6655.22	1.00	1.13	1.13	1.13	68	194.3
11-Jul-15	9:08	Fine	012494	2.8184	2.8282	6655.22	6656.22	1.00	1.13	1.13	1.13	68	144.3
11-Jul-15	10:10	Fine	012490	2.8320	2.8451	6656.22	6657.22	1.00	1.13	1.13	1.13	68	192.9
17-Jul-15	8:02	Cloudy	012595	2.8362	2.8417	6705.22	6706.22	1.00	1.14	1.14	1.14	68	80.8
17-Jul-15	9:05	Cloudy	012700	2.8288	2.8368	6706.22	6707.22	1.00	1.14	1.14	1.14	68	117.5
17-Jul-15	10:07	Cloudy	012698	2.8375	2.8427	6707.22	6708.22	1.00	1.14	1.14	1.14	68	76.4
23-Jul-15	8:02	Rainy	012687	2.8221	2.8341	6732.22	6733.22	1.00	1.14	1.14	1.14	68	175.4
23-Jul-15	9:05	Rainy	012685	2.8405	2.8500	6733.22	6734.22	1.00	1.14	1.14	1.14	68	138.8
23-Jul-15	10:15	Rainy	012705	2.8224	2.8325	6734.22	6735.22	1.00	1.14	1.14	1.14	68	147.6

Location: CMA2a - Causeway Bay Community Centre

### Report on 24-hour TSP monitoring Action Level (µg/m3) - 169.5 Limit Level (µg/m3) - 260

Date	Sampling	Weather	Filter	Filter Weigh	Filter Weight, g		e, hr	Sampling	Flo	w Rate, m <sup>3</sup> /i	min	Total	TSP Level,
	Time	Condition	paper no.	Initial	Final	Initial	Final	Time, hr	Initial, Q <sub>si</sub>	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	μg/m³
29-Jun-15	8:00	Fine	012281	2.8085	2.8702	16250.94	16274.94	24.00	1.16	1.16	1.16	1664	37.1
4-Jul-15	8:00	Fine	012479	2.8158	2.8598	16277.95	16301.95	24.00	1.24	1.24	1.24	1790	24.6
10-Jul-15	8:00	Cloudy	012501	2.8616	2.9967	16304.95	16328.95	24.00	1.24	1.24	1.24	1791	75.5
16-Jul-15	8:00	Cloudy	012597	2.8339	2.8612	16331.95	16355.95	24.00	1.15	1.24	1.20	1727	15.8
22-Jul-15	8:00	Rainy	012696	2.8286	2.9439	16358.97	16382.97	24.00	1.21	1.20	1.20	1735	66.5

### Report on 1-hour TSP monitoring Action Level (μg/m3) - 323.4 Limit Level (μg/m3) - 500

Date	Sampling	Weather	Filter	Filter Weigh	nt, g	Elapse Tim	e, hr	Sampling	Flo	w Rate, m³/ı	min	Total	TSP Level,
	Time	Condition	paper no.	Initial	Final	Initial	Final	Time, hr	Initial, Q <sub>si</sub>	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	μg/m <sup>3</sup>
30-Jun-15	8:05	Fine	012332	2.8349	2.8367	16274.94	16275.94	1.00	1.16	1.16	1.16	69	26.0
30-Jun-15	9:07	Fine	012329	2.8268	2.8318	16275.94	16276.94	1.00	1.16	1.16	1.16	69	72.1
30-Jun-15	10:09	Fine	012343	2.8224	2.8238	16276.94	16277.94	1.00	1.16	1.16	1.16	69	20.2
6-Jul-15	8:05	Fine	012360	2.8461	2.8513	16301.95	16302.95	1.00	1.24	1.24	1.24	75	69.7
6-Jul-15	9:15	Fine	012504	2.8413	2.8483	16302.95	16303.95	1.00	1.24	1.24	1.24	75	93.8
6-Jul-15	10:25	Fine	012503	2.8424	2.8486	16303.95	16304.95	1.00	1.24	1.24	1.24	75	83.1
11-Jul-15	8:02	Fine	012495	2.8397	2.8528	16328.95	16329.95	1.00	1.24	1.24	1.24	75	175.8
11-Jul-15	9:10	Fine	012521	2.8393	2.8563	16329.95	16330.95	1.00	1.24	1.24	1.24	75	228.1
11-Jul-15	10:15	Fine	012519	2.8130	2.8318	16330.95	16331.95	1.00	1.24	1.24	1.24	75	252.3
17-Jul-15	8:05	Cloudy	012702	2.8292	2.8336	16355.95	16356.95	1.00	1.24	1.24	1.24	75	58.9
17-Jul-15	9:20	Cloudy	012701	2.8290	2.8349	16356.95	16357.95	1.00	1.24	1.24	1.24	75	79.0
17-Jul-15	10:45	Cloudy	01699	2.8447	2.8515	16357.95	16358.95	1.00	1.24	1.24	1.24	75	91.1
23-Jul-15	8:05	Rainy	012688	2.8291	2.8380	16382.97	16383.97	1.00	1.16	1.16	1.16	70	127.9
23-Jul-15	9:09	Rainy	012686	2.8444	2.8536	16383.97	16384.97	1.00	1.16	1.16	1.16	70	132.3
23-Jul-15	10:19	Rainy	012704	2.8419	2.8464	16384.97	16385.97	1.00	1.16	1.16	1.16	70	64.7

Location: CMA3a - CWB PRE Site Office Area

### Report on 24-hour TSP monitoring

Action Level (μg/m3) - 171 Limit Level (μg/m3) - 260

Date	Sampling	Weather	Filter	Filter Weigh	Filter Weight, g		e, hr	Sampling	Flo	w Rate, m³/ı	min	Total	TSP Level
	Time	Condition	paper no.	Initial	Final	Initial	Final	Time, hr	Initial, Q <sub>si</sub>	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	μg/m³
30-Jun-15	15:22	Fine	012472	2.8029	2.8904	3713.25	3737.25	24.00	1.23	1.23	1.23	1768	49.5
4-Jul-15	8:00	Fine	012536	2.8396	2.9595	3737.26	3761.26	24.00	1.23	1.23	1.23	1767	67.9
10-Jul-15	8:00	Cloudy	012465	2.8411	2.9776	3764.27	3788.27	24.00	1.23	1.23	1.23	1767	77.2
16-Jul-15	8:00	Cloudy	012599	2.8319	3.0101	3791.26	3815.26	24.00	1.23	1.23	1.23	1767	100.8
22-Jul-15	8:00	Rainy	012689	2.8331	2.9597	3818.26	3842.26	24.00	1.24	1.23	1.23	1777	71.2

Remarks: Due to interruption of electricity, the 24hr TSP was rescheduled from 29 June 2015 to 30 June 2015.

#### Report on 1-hour TSP monitoring Action Level (µg/m3) - 311.3 Limit Level (µg/m3) - 500

Date	Sampling	Weather	Filter	Filter Weigh	nt, g	Elapse Tim	e, hr	Sampling	Flo	w Rate, m³/i	min	Total	TSP Level,
	Time	Condition	paper no.	Initial	Final	Initial	Final	Time, hr	Initial, $Q_{si}$	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	μg/m³
30-Jun-15	11:30	Fine	012346	2.8397	2.8415	3710.25	3711.25	1.00	1.26	1.26	1.26	76	23.8
30-Jun-15	13:00	Fine	012349	2.8501	2.8527	3711.25	3712.25	1.00	1.13	1.13	1.13	68	38.3
30-Jun-15	14:20	Fine	012471	2.8165	2.8210	3712.25	3713.25	1.00	1.13	1.13	1.13	68	66.3
6-Jul-15	8:55	Fine	012352	2.8306	2.8449	3761.26	3762.26	1.00	1.26	1.26	1.26	76	189.1
6-Jul-15	9:58	Fine	012354	2.8415	2.8583	3762.26	3763.26	1.00	1.26	1.26	1.26	76	222.2
6-Jul-15	13:00	Fine	012356	2.8341	2.8494	3763.26	3764.26	1.00	1.26	1.26	1.26	76	202.3
11-Jul-15	8:05	Fine	012493	2.8310	2.8479	3788.27	3789.27	1.00	1.26	1.26	1.26	75	224.0
11-Jul-15	9:15	Fine	012489	2.8248	2.8451	3789.27	3790.27	1.00	1.26	1.26	1.26	75	269.0
11-Jul-15	10:25	Fine	012601	2.8182	2.8311	3790.27	3791.27	1.00	1.26	1.26	1.26	75	171.0
17-Jul-15	9:04	Cloudy	012607	2.8201	2.8254	3815.26	3816.26	1.00	1.26	1.26	1.26	76	70.0
17-Jul-15	10:08	Cloudy	012605	2.8237	2.8279	3816.26	3817.26	1.00	1.26	1.26	1.26	76	55.5
17-Jul-15	13:00	Cloudy	012703	2.8304	2.8361	3817.26	3818.26	1.00	1.26	1.26	1.26	76	75.3
23-Jul-15	8:51	Rainy	012365	2.8160	2.8165	3842.26	3843.26	1.00	1.27	1.27	1.27	76	6.6
23-Jul-15	9:56	Rainy	012363	2.8337	2.8343	3844.26	3845.26	1.00	1.27	1.27	1.27	76	7.9
23-Jul-15	13:00	Rainy	012361	2.8366	2.8375	3845.26	3846.26	1.00	1.27	1.27	1.27	76	11.8

Location: CMA4a - SPCA

Report on 24-hour TSP monitoring Action Level (µg/m3) - 171.2

171.2 Limit Level (µg/m3) -260

Date	Sampling	Weather	Filter Filter Weight, g El		Elapse Tim	e, hr	Sampling	Flo	w Rate, m <sup>3</sup> /i	min	Total	TSP Level,	
	Time	Condition	paper no.	Initial	Final	Initial	Final	Time, hr	Initial, Q <sub>si</sub>	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	μg/m³
29-Jun-15	8:00	Fine	012285	2.8073	2.8943	20524.90	20548.90	24.00	1.23	1.23	1.23	1769	49.2
4-Jul-15	8:00	Fine	012350	2.8206	2.9192	20551.90	20575.90	24.00	1.23	1.23	1.23	1767	55.8
10-Jul-15	8:00	Cloudy	012403	2.8096	2.9575	20578.91	20602.91	24.00	1.23	1.23	1.23	1767	83.7
16-Jul-15	8:00	Cloudy	012513	2.8441	2.9055	20605.90	20629.90	24.00	1.23	1.23	1.23	1767	34.7
22-Jul-15	8:00	Rainy	012594	2.8298	3.0857	20632.90	20656.90	24.00	1.24	1.23	1.23	1777	144.0

#### Report on 1-hour TSP monitoring Action Level (µg/m3) -Limit Level (µg/m3) -312.5 500

Date	Sampling	Weather	Filter	Filter Weigh	nt, g	Elapse Tim	e, hr	Sampling	Flo	w Rate, m <sup>3</sup> /i	min	Total	TSP Level,
	Time	Condition	paper no.	Initial	Final	Initial	Final	Time, hr	Initial, Q <sub>si</sub>	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	μ <b>g/m<sup>3</sup></b>
30-Jun-15	8:54	Fine	012345	2.8602	2.8639	20548.90	20549.90	1.00	1.23	1.23	1.23	74	50.2
30-Jun-15	10:19	Fine	012347	2.8459	2.8472	20549.90	20550.90	1.00	1.23	1.23	1.23	74	17.6
30-Jun-15	13:00	Fine	012348	2.8473	2.8498	20550.90	20551.90	1.00	1.23	1.23	1.23	74	33.9
6-Jul-15	8:42	Fine	012351	2.8410	2.8482	20575.91	20576.91	1.00	1.23	1.23	1.23	74	97.7
6-Jul-15	9:46	Fine	012353	2.8496	2.8576	20576.91	20577.91	1.00	1.23	1.23	1.23	74	108.6
6-Jul-15	10:50	Fine	012355	2.8311	2.8408	20577.91	20578.91	1.00	1.23	1.23	1.23	74	131.7
11-Jul-15	8:15	Fine	012523	2.8242	2.8385	20602.91	20603.91	1.00	1.23	1.23	1.23	74	194.5
11-Jul-15	9:20	Fine	012520	2.8401	2.8528	20603.91	20604.91	1.00	1.23	1.23	1.23	74	172.7
11-Jul-15	10:25	Fine	012516	2.8292	2.8433	20604.91	20605.91	1.00	1.23	1.23	1.23	74	191.7
17-Jul-15	8:55	Cloudy	012608	2.8263	2.8294	20629.90	20630.90	1.00	1.23	1.23	1.23	74	42.1
17-Jul-15	9:58	Cloudy	012606	2.8244	2.8289	20630.90	20631.90	1.00	1.23	1.23	1.23	74	61.1
17-Jul-15	13:00	Cloudy	012604	2.8315	2.8411	20631.90	20632.90	1.00	1.23	1.23	1.23	74	130.2
23-Jul-15	8:52	Rainy	012572	2.8311	2.8389	20656.90	20657.90	1.00	1.23	1.23	1.23	74	105.4
23-Jul-15	9:56	Rainy	012364	2.8187	2.8264	20657.90	20658.90	1.00	1.23	1.23	1.23	74	104.0
23-Jul-15	13:00	Rainy	012363	2.8085	2.8097	20658.90	20659.90	1.00	1.23	1.23	1.23	74	16.2

Location: CMA5b - Pedestrian Plaza

Report on 24-hour TSP monitoring

Action Level (µg/m3) -Limit Level (µg/m3) -181 260

Date	Sampling	Weather	Filter	Filter Weigh	Iter Weight, g Ela		Elapse Time, hr S		Flo	w Rate, m <sup>3</sup> /i	min	Total	TSP Level,
	Time	Condition	paper no.	Initial	Final	Initial Final 1		Time, hr	Initial, Q <sub>si</sub>	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	<sup>3</sup> μg/m <sup>3</sup>
29-Jun-15	8:00	Fine	012335	2.8218	2.8585	5011.82	5035.82	24.00	1.06	1.06	1.06	1527	24.0
4-Jul-15	8:00	Fine	012357	2.8365	2.8886	5038.83	5062.83	24.00	0.95	0.96	0.95	1374	37.9
10-Jul-15	8:00	Cloudy	012396	2.8287	2.9365	5065.84	5089.84	24.00	0.96	0.95	0.95	1375	78.4
16-Jul-15	8:00	Cloudy	012512	2.8213	2.8751	5092.83	5116.83	24.00	0.95	0.96	0.95	1375	39.1
22-Jul-15	8:00	Rainy	012692	2.8226	2.8852	5119.87	5143.87	24.00	0.96	0.96	0.96	1384	45.2

# Report on 1-hour TSP monitoring Action Level (µg/m3) - 332 Limit Level (µg/m3) - 500

332

500

Date	Sampling	Weather	Filter	Filter Weigh	nt, g	Elapse Tim	e, hr	Sampling	Flo	w Rate, m <sup>3</sup> /	min	Total	TSP Level
	Time	Condition	paper no.	Initial	Final	Initial	Final	Time, hr	Initial, Q <sub>si</sub>	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	μg/m <sup>3</sup>
30-Jun-15	13:00	Fine	012476	2.7973	2.8011	5035.82	5036.82	1.00	0.96	0.96	0.96	57	66.2
30-Jun-15	14:10	Fine	012473	2.8017	2.8029	5036.83	5037.83	1.00	0.96	0.96	0.96	57	20.9
30-Jun-15	15:30	Fine	012468	2.8458	2.8498	5037.83	5038.83	1.00	0.96	0.96	0.96	57	69.7
6-Jul-15	13:00	Fine	012497	2.8549	2.8668	5062.84	5063.84	1.00	0.96	0.96	0.96	57	207.6
6-Jul-15	14:06	Fine	012402	2.7924	2.8104	5063.84	5064.84	1.00	0.96	0.96	0.96	57	314.0
6-Jul-15	15:08	Fine	012399	2.8231	2.8309	5064.84	5065.84	1.00	1.06	0.02	0.54	32	241.0
11-Jul-15	8:20	Fine	012522	2.8378	2.8517	5089.84	5090.84	1.00	0.95	0.95	0.95	57	243.0
11-Jul-15	9:30	Fine	012519	2.8192	2.8277	5090.84	5091.84	1.00	0.95	0.95	0.95	57	148.6
11-Jul-15	10:32	Fine	012515	2.8314	2.8409	5091.84	5092.84	1.00	0.95	0.95	0.95	57	166.1
17-Jul-15	13:00	Cloudy	012584	2.8217	2.8296	5116.83	5117.83	1.00	0.96	0.96	0.96	57	137.7
17-Jul-15	14:05	Cloudy	012694	2.8127	2.8204	5117.83	5118.83	1.00	0.96	0.96	0.96	57	134.3
17-Jul-15	15:30	Cloudy	012588	2.8273	2.8416	5118.83	5119.83	1.00	0.96	0.96	0.96	57	249.3
23-Jul-15	13:00	Rainy	012714	2.8252	2.8309	5143.87	5144.87	1.00	1.01	1.01	1.01	61	93.8
23-Jul-15	14:02	Rainy	012718	2.8418	2.8492	5144.87	5145.87	1.00	0.96	0.96	0.96	58	128.4
23-Jul-15	15:27	Rainy	012720	2.8446	2.8499	5145.87	5146.87	1.00	0.96	0.96	0.96	58	92.0

Location: CMA6a - WD2 PRE Office

#### Report on 24-hour TSP monitoring

Action Level -	187.3	µg/m3
Limit Level -	260	µg/m3

Date	Sampling	Weather	Filter	Filter Weigh	nt, g	Elapse Time	e, hr	Sampling	Flo	w Rate, m <sup>3</sup> /i	min	Total	TSP Level,	
	Time	Condition	paper no.	no. Initial Final		Initial	Final	Time, hr	Initial, Q <sub>si</sub>	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	μg/m³	
30-Jun-15	16:20	Fine	012467	2.8226	2.9169	20110.61	20134.61	24.00	1.22	1.21	1.22	1750	53.9	
4-Jul-15	8:00	Fine	012359	2.8497	2.9604	20134.61	20158.61	24.00	1.22	1.22	1.22	1750	63.2	
10-Jul-15	8:00	Cloudy	012394	2.8373	3.0146	20161.62	20185.62	24.00	1.22	1.21	1.22	1750	101.3	
16-Jul-15	8:00	Cloudy	012598	2.8436	3.0209	20188.62	20212.62	24.00	1.21	1.22	1.22	1750	101.3	
22-Jul-15	8:00	Rainy	012691	2.8335	2.8335 3.0038 20		20239.62	24.00	1.22	1.22	1.22	1761	96.7	

Remarks: Due to interruption of electricity, the 24hr TSP was rescheduled from 29 June 2015 to 30 June 2015.

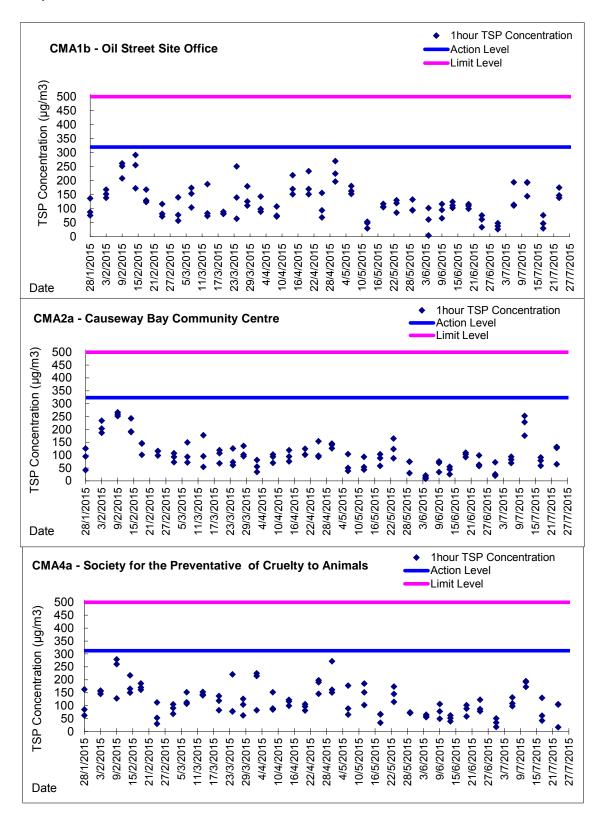
# Report on 1-hour TSP monitoring Action Level - 300.1 $\mu$ g/m<sup>3</sup>

Limit Level - 500  $\mu$  g/m3

Date	Sampling	Weather	Filter	Filter Weigh	nt, g	Elapse Time	e, hr	Sampling	Flo	w Rate, m³/ı	min	Total	TSP Level,
	Time	Condition	paper no.	Initial	Final	Initial	Final	Time, hr	Initial, Q <sub>si</sub>	Final, Q <sub>sf</sub>	Average	Volume, m <sup>3</sup>	μg/m³
30-Jun-15	13:00	Fine	012478	2.8258	2.8321	20104.61	20105.61	1.00	1.22	1.22	1.22	73	86.3
30-Jun-15	14:03	Fine	012475	2.8291	2.8362	20108.61	20109.61	1.00	1.22	1.22	1.22	73	97.2
30-Jun-15	15:07	Fine	012470	2.8302	2.8369	20109.61	20110.61	1.00	1.22	1.22	1.22	73	91.8
6-Jul-15	13:00	Fine	012499	2.8309	2.8456	20158.62	20159.62	1.00	1.22	1.22	1.22	73	201.5
6-Jul-15	14:20	Fine	012400	2.8147	2.8331	20159.62	20160.62	1.00	1.22	1.22	1.22	73	252.2
6-Jul-15	15:23	Fine	012397	2.8219	2.8404	20160.62	20161.62	1.00	1.22	1.22	1.22	73	253.6
11-Jul-15	8:20	Fine	012492	2.8267	2.8392	20185.62	20186.62	1.00	1.21	1.21	1.21	73	171.7
11-Jul-15	9:40	Fine	012603	2.8226	2.8334	20186.62	20187.62	1.00	1.21	1.21	1.21	73	148.4
11-Jul-15	10:42	Fine	012600	2.8299	2.8412	20187.62	20188.62	1.00	1.21	1.21	1.21	73	155.2
17-Jul-15	13:00	Cloudy	012586	2.8306	2.8383	20212.62	20213.62	1.00	1.22	1.22	1.22	73	105.5
17-Jul-15	14:03	Cloudy	012695	2.8201	2.8327	20213.62	20214.62	1.00	1.22	1.22	1.22	73	172.6
17-Jul-15	15:40	Cloudy	012693	2.8421	2.8556	20214.62	20215.62	1.00	1.22	1.22	1.22	73	185.0
23-Jul-15	13:00	Rainy	012715	2.8338	2.8414	20239.62	20240.62	1.00	1.22	1.22	1.22	73	103.6
23-Jul-15	14:05	Rainy	012717	2.8298	2.8387	20240.62	20241.62	1.00	1.22	1.22	1.22	73	121.4
23-Jul-15	15:25	Rainy	012721	2.8475	2.8534	20242.62	20243.62	1.00	1.22	1.22	1.22	73	80.5

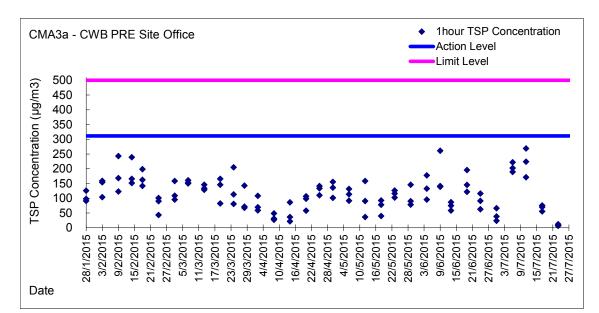


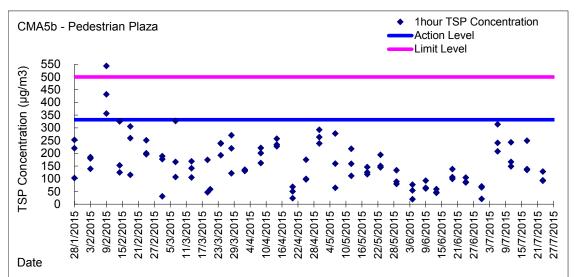
**Graphic Presentation of 1 hour TSP Result** 

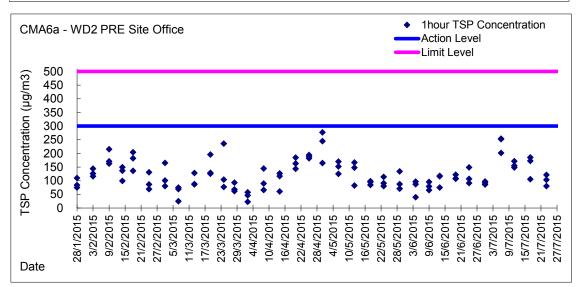




**Graphic Presentation of 1 hour TSP Result** 

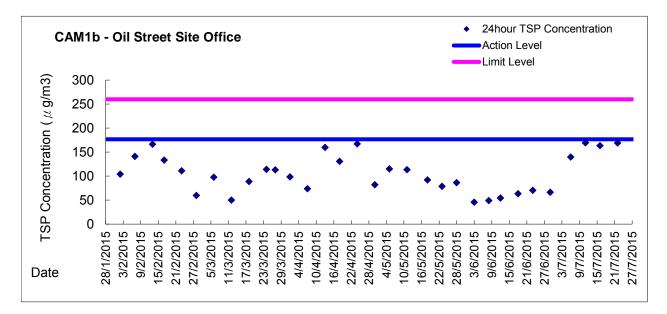


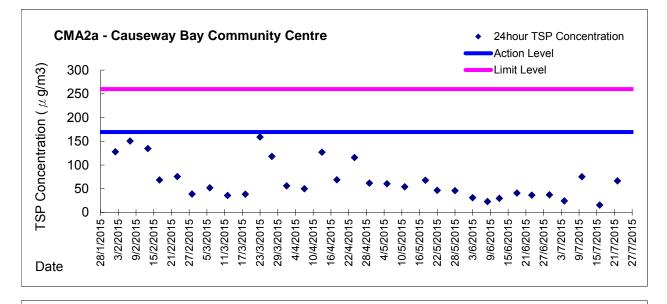


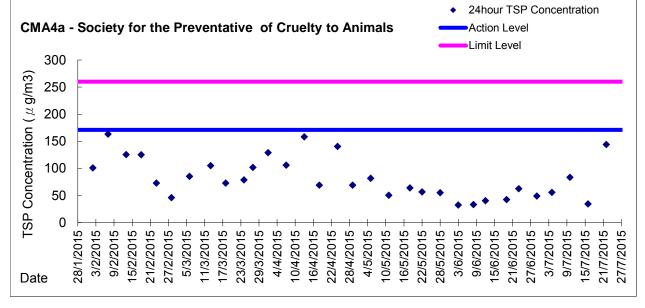




**Graphic Presentation of 24 hour TSP Result** 

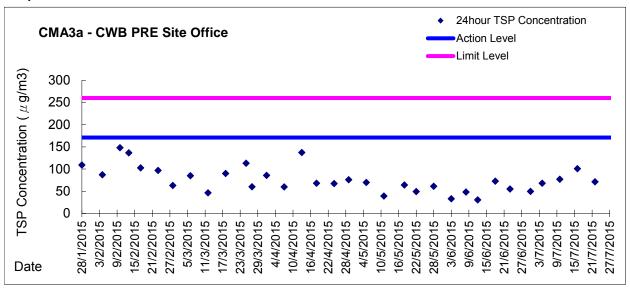


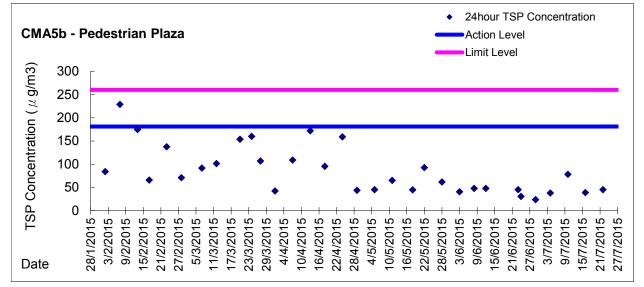


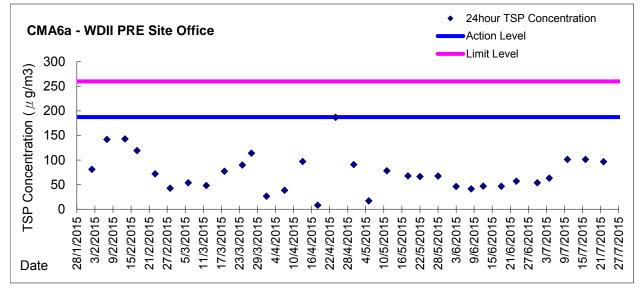




**Graphic Presentation of 24 hour TSP Result** 









		Field Data Record	<u>d Sheet</u>			
Monitoring	7 July 2015	Weather Condition:	Fine	Tidal	Ebb	
Date:				Condition:		
Temperature:	<u>32.0°C – 34.9°C</u>	Relative Humidity:	<u>52.2% - 58.2%</u>			

Location	Time	Temperature (℃)	Relative Humidity (%)	Odour Intensity	Odour Nature	Possible Odour Sources	Duration	Wind Speed(m/s)	Wind Direction	Remarks
OP7	13:15	32.0	57.7	0-1	Seawater	Sea	Persistent	0.9	NNE	
OP6	13:20	33.0	55.5	0	/	/	/	1.2	ENE	
OP5	13:25	34.3	52.2	0-1	Sewage	Sea	Intermittent	0.4	WSW	
OP4	13:30	33.6	53.2	0	/	/	/	1.7	NE	
OP3	13:35	32.9	55.1	0	/	/	/	0.5	ESE	
OP2	13:40	34.9	54.4	0-1	Seawater	Sea	Persistent	0.6	NE	
OP1	13:45	32.2	58.2	0-1	Seawater	Sea	Persistent	1.4	NE	

Remarks for Odour Intensity:

The perceived odour intensity is to be divided into 5 levels which are ranked in the descending order as follows:

0 - Not detected. No odour perceived or an odour so weak that it cannot be easily characterised or described;

1 - Slight Identifiable odour, and slight chance to have odour nuisance;

2 – Moderate Identifiable odour, and moderate chance to have odour nuisance

3 – Strong Identifiable, likely to have odour nuisance;

4 – Extreme Severe odour, and unacceptable level

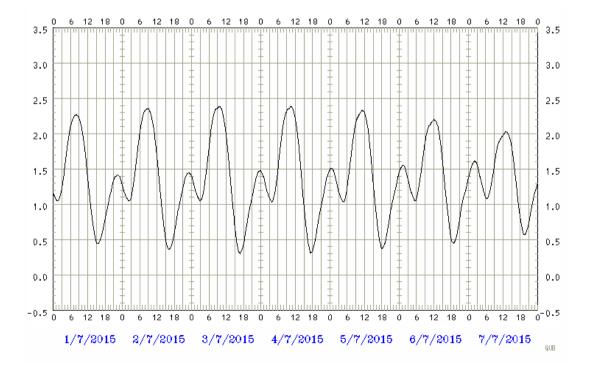


Contract No. HK/2011/07 Wanchai Development Phase II and Central-Wanchai Bypass Sampling, Field Measurement and testing Works (Stage 2) Proposal on Impact Monitoring for Odour Patrol along the shorelines of CBTS and ex-PCWA

### Meteorological Conditions on 7 July 2015

- Hong Kong Observatory Weather Station at Hong Kong Observatory
   Air Temperature: 26.7 32.7 ℃
   Relative humidity: 57 71%
- Hong Kong Observatory Weather Station at Hong Kong Park Air Temperature: 26.6 – 33.0 ℃
- The tidal data at Quarry Bay Station

Tide Time	Tide Height (m)
02:13	1.6
06:25	1.1
13:03	2.0
19:26	0.6





		Field Data Record	<u>d Sheet</u>			
Monitoring	21 July 2015	Weather Condition:	Cloudy	Tidal	Ebb	
Date:				Condition:		
Temperature:	<u>28.4ºC – 29.1ºC</u>	Relative Humidity:	<u>79.2% - 84.1%</u>			

Location	Time	Temperature (℃)	Relative Humidity (%)	Odour Intensity	Odour Nature	Possible Odour Sources	Duration	Wind Speed(m/s)	Wind Direction	Remarks
OP7	13:20	28.4	84.1	0	1	/	/	0.8	NNW	
OP6	13:15	29.1	82.1	0	/	/	1	0.6	N	
OP5	13:30	28.6	79.2	0-1	Sewage	Sea	Persistent	1.5	WSW	
OP4	13:35	28.6	79.7	0	/	/	/	3.5	Ν	
OP3	13:40	28.4	80.3	0	/	/	/	2.5	ESE	
OP2	13:45	29.0	79.7	0-1	Seawater	Sea	Persistent	0.7	NNE	
OP1	13:50	28.4	81.4	0-1	Sewage	Sea	Persistent	1.4	NNE	

Remarks for Odour Intensity:

The perceived odour intensity is to be divided into 5 levels which are ranked in the descending order as follows:

0 - Not detected. No odour perceived or an odour so weak that it cannot be easily characterised or described;

1 - Slight Identifiable odour, and slight chance to have odour nuisance;

2 – Moderate Identifiable odour, and moderate chance to have odour nuisance

3 – Strong Identifiable, likely to have odour nuisance;

4 – Extreme Severe odour, and unacceptable level

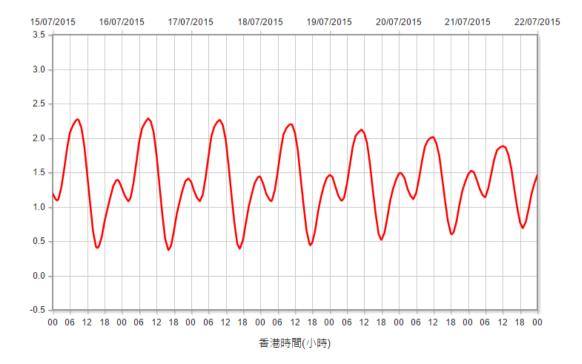


Contract No. HK/2011/07 Wanchai Development Phase II and Central-Wanchai Bypass Sampling, Field Measurement and testing Works (Stage 2) Proposal on Impact Monitoring for Odour Patrol along the shorelines of CBTS and ex-PCWA

### Meteorological Conditions on 21 July 2015

- Hong Kong Observatory Weather Station at Hong Kong Observatory
   Air Temperature: 25.2 27.9 ℃
   Relative humidity: 77 96%
- Hong Kong Observatory Weather Station at Hong Kong Park Air Temperature: 24.8 – 27.9 ℃
- The tidal data at Quarry Bay Station

Tide Time	Tide Height (m)
01:09	1.5
05:42	1.1
12:09	1.9
18:53	0.7





### Appendix 5.4

Water Quality and Additional Dissolved Oxygen Monitoring Results and Graphical Presentations

### am Water Monitoring Result at C7 - Windsor House Mid-Flood Tide

Date	Time	Weater Condition	Samplin	g Depth	Wate	er Temp °C	erature		pH -			Salinit ppt	у	D	O Satur	ation		DO ma/L			Turbid NTU		Suspend	led Solids
		Condition	n	n	Va	lue	Average	Va	lue	Average	Va	lue	Average	Va	lue	Average	Va	lue	Average	Va	lue	Average	Value	g/∟ Average
29/6/2015	17:43	Fine	Middle	-	29.10	29.10	29.15	8.37	8.37	8.38	23.33	23.33	23.32	77.9	76.3	74.7	5.26	5.15	5.04	14.24	13.17	<u>13.73</u>	10	10.00
	17:45		Middle	-	29.20	29.20		8.39	8.39		23.31	23.31		73.4	71.3		4.95	4.81		14.24	13.28		10	<b></b>
2/7/2015	21:05	Fine	Middle	-	28.00	28.00	28.05	8.07	8.07	8.08	26.46	26.46	26.46	79.9	81.9	80.2	5.37	5.52	5.39	7.89	7.00	7.31	8	7.50
	21:06		Middle	-	28.10	28.10		8.08	8.08		26.46	26.46		80.5	78.5		5.41	5.27		7.16	7.20		7	ļļ
4/7/2015	22:17	Fine	Middle	-	27.80	27.80	27.90	8.11	8.11	8.11	29.14	29.13	29.13	77.4	77.1	75.8	5.12	5.10	5.02	2.27	2.24	2.25	<2	<2
:	22:18		Middle	-	28.10	27.90		8.10	8.10		29.13	29.10		75.3	73.5		5.01	4.86		2.20	2.29		<2	
6/7/2015	22:26	Cloudy	Middle	-	26.46	26.46	26.45	7.80	7.80	7.80	17.35	17.35	17.36	92.5	92.5	92.3	6.75	6.75	6.73	3.35	3.45	3.30	4	3.50
	22:27	,	Middle	-	26.44	26.44		7.80	7.80		17.36	17.36		92.3	92.0		6.73	6.70		3.19	3.21		3	
8/7/2015	-	Fine	Middle	-	-	-		1	-		-	-		-	-		-	-		1	-		-	
0///2013	-	T IIIC	Middle	•	-	-		1	-		-	-		-	-		-	1		1	-		-	
40/7/2045	-	Fine	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
10/7/2015	-	Fine	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/7/2015	-	Fine	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	18:28		Middle	-	28.16	28.16		7.51	7.51		25.25	25.25		90.0	89.4		6.11	6.07		1.49	1.53		<2	
15/7/2015	18:29	Cloudy	Middle	-	28.15	28.15	28.16	7.50	7.50	7.51	25.30	25.30	25.28	88.9	88.5	89.2	6.03	6.00	6.05	1.56	1.51	1.52	<2	<2
	18:27		Middle	-	28.62	28.62		7.54	7.54		30.42	30.42		90.8	90.6		5.95	5.93		1.57	1.59		4	
17/7/2015	18:28	Cloudy	Middle	-	28.54	28.54	28.58	7.53	7.53	7.54	30.42	30.42	30.42	90.6	90.4	90.6	5.93	5.91	5.93	1.55	1.52	1.56	3	3.50
	10:25		Middle	-	26.50	26.50		8.11	8.11		32.09	32.09		68.3	67.7		4.45	4.40		3.88	3.87		3	
20/7/2015	10:27	Cloudy	Middle	-	26.50	26.50	26.50	8.13	8.13	8.12	32.08	32.08	32.09	69.6	70.0	68.9	4.67	4.70	4.56	3.95	3.96	3.92	3	3.00
	-	Ambor	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	<u> </u>
22/7/2015	-	Amber Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	23:46		Middle	-	27.58	27.58		7.50	7.50		25.30	25.30		86.3	86.2		5.91	5.90		1.84	1.64		3	<u> </u>
25/7/2015	23:47	Cloudy	Middle	-	27.58	27.58	27.58	7.49	7.50	7.50	25.30	25.30	25.30	86.0	86.4	86.2	5.88	5.92	5.90	1.68	1.66	1.71	3	3.00

# Water Monitoring Result at C1 - HKCEC Extension Mid-Flood Tide

Date	Time	Weater Condition	Samplin	g Depth	Wat	er Temp °C	erature		pН			Salinit ppt	y	D	O Satur	ation		DO ma/L			Turbid NTU	ity	Suspend	led Solids
		Contaition	n	n	Va	lue	Average	Va	lue	Average	Va	lue	Average	Va	llue	Average	Va	lue	Average	Va		Average	Value	Average
29/6/2015	16:56	Fine	Middle	2.5	28.50	28.50	28.60	8.45	8.45	8.45	24.58	24.58	24.57	83.2	82.7	82.2	5.62	5.59	5.55	3.71	3.87	3.82	7	6.00
	16:58	1 1110	Middle	2.5	28.70	28.70	20.00	8.45	8.45	0.10	24.56	24.56	2.1.07	81.2	81.6	02.2	5.49	5.51	0.00	3.94	3.75	0.02	5	0.00
2/7/2015	17:46	Fine	Middle	2.5	28.80	28.80	28.85	8.50	8.50	8.50	25.83	25.83	25.88	90.0	90.7	87.8	6.02	6.06	5.84	3.73	3.64	3.66	7	7.50
	17:48		Middle	2.5	28.90	28.90		8.49	8.49		25.92	25.92		88.3	82.1		5.80	5.49		3.64	3.64		8	
4/7/2015	21:59	Fine	Middle	2.5	27.10	27.10	27.15	8.21	8.21	8.21	29.96	29.96	29.96	72.9	73.7	73.3	4.90	4.95	4.93	3.38	3.46	3.39	3	3.50
	22:00		Middle	2.5	27.20	27.20		8.21	8.21		29.95	29.95		74.0	72.6		4.97	4.88		3.30	3.42		4	
6/7/2015	1:50	Cloudy	Middle	2.5	25.49	25.49	25.54	7.38	7.38	7.40	30.74	30.74	30.74	92.2	92.1	92.0	6.34	6.33	6.32	2.71	2.64	2.66	<2	<2
	1:51		Middle	2.5	25.59	25.59		7.41	7.41		30.74	30.73		92.0	91.8		6.32	6.30		2.68	2.61		<2	
8/7/2015	10:54	Fine	Middle	2.5	25.60	25.60	25.65	8.26	8.26	8.26	32.50	32.50	32.50	72.3	73.3	72.1	4.92	4.93	4.89	3.37	3.31	3.30	4	4.50
	10:56		Middle	2.5	25.70	25.70		8.25	8.25		32.49	32.49		72.0	70.6		4.89	4.80		3.27	3.25		5	
10/7/2015	14:21 14:23	Fine	Middle	3.0	26.30	26.30	26.35	8.26	8.26	8.26	32.73	32.73	32.73	74.3	74.0	73.9	4.99	4.97	4.96	4.16	4.05	4.16	4	4.50
	-		Middle	3.0	26.40	26.40		8.26	8.26		32.73	32.73		73.3	74.0		4.92	4.96		4.14	4.27		5	<u> </u>
13/7/2015	17:21 17:23	Fine	Middle	2.5	27.70 27.70	27.70 27.70	27.70	8.23 8.22	8.23 8.22	8.23	31.75 31.75	31.75 31.75	31.75	73.2 74.2	73.3 70.5	72.8	4.83 4.89	4.83 4.65	4.80	4.68 4.28	4.29 4.29	4.39	3	3.00
	16:44		Middle	2.5	28.00	28.00		8.25	8.25		30.97	30.97		74.2	70.5		4.63	4.65		3.35	3.47		5	
15/7/2015	16:46	Cloudy	Middle	2.5	28.10	28.10	28.05	8.21	8.21	8.23	30.97	30.97	30.97	70.7	68.4	70.1	4.65	4.60	4.63	3.38	3.37	3.39	3	4.00
	21:40		Middle	2.5	27.78	27.78		7.55	7.55		30.72	30.72		78.2	78.1		5.09	5.09		2.48	2.50		5	
17/7/2015	21:41	Cloudy	Middle	2.5	27.77	27.77	27.78	7.55	7.55	7.55	30.73	30.73	30.73	79.0	78.9	78.6	5.10	5.10	5.10	2.58	2.55	2.53	5	5.00
	8:35		Middle	2.5	27.20	27.20		8.16	8.16		32.09	32.09		74.0	75.4		4.90	4.99		5.47	5.43		4	
20/7/2015	8:37	Cloudy	Middle	2.5	-	27.40	27.27	8.22	8.22	8.19	32.09	32.09	32.09	75.8	73.5	74.7	5.02	4.87	4.95	5.36	5.22	5.37	4	4.00
00/7/0045	-	Amber	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
22/7/2015	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2015	2:53	Cloudy	Middle	2.5	27.22	27.22	27.23	7.49	7.49	7.49	26.52	26.52	26.53	81.3	81.4	81.2	5.56	5.57	5.56	2.94	2.84	2.86	4	3.50
20/7/2015	2:54	Cloudy	Middle	2.5	27.23	27.23	21.23	7.49	7.49	7.49	26.54	26.54	20.03	81.1	81.0	01.2	5.55	5.54	0.00	2.83	2.81	2.00	3	3.30

### am Water Monitoring Result at P1 - HKCEC Phase I Mid-Flood Tide

Date	Time	Weater Condition	Samplin	g Depth	Wat	er Temp	perature		pН			Salini ppt	ty	D	O Satur	ation		DO mg/L			Turbid NTU		Suspend	led Solids
		Condition	n	n	Va	lue	Average	Va	lue	Average	Va	lue	Average	Va	lue	Average	Va	lue	Average	Va	alue	Average	Value	Average
29/6/2015	16:40	Fine	Middle	2.5	30.00	30.00	30.05	8.31	8.31	8.35	23.38	23.38	23.62	78.0	81.4	79.1	5.17	5.39	5.25	4.07	4.06	4.00	6	6.50
	16:42		Middle	2.5	30.10	30.10		8.39	8.39		23.85	23.85		80.7	76.1		5.35	5.07		3.98	3.87		7	
2/7/2015	17:30	Fine	Middle	2.5	29.20	29.20	29.45	8.49	8.49	8.52	25.73	25.73	25.73	103.2	102.6	102.7	6.83	6.78	6.79	4.15	4.21	4.20	5	4.50
	17:32		Middle	2.5	29.70	29.70		8.55	8.55		25.72	25.72		104.7	100.3		6.92	6.62		4.21	4.24		4	
4/7/2015	21:30	Fine	Middle	2.5	27.90	27.90	27.90	8.21	8.21	8.21	29.62	29.62	29.62	73.4	74.0	73.7	4.88	4.92	4.90	2.84	2.68	2.71	3	3.00
	21:31		Middle	2.5	27.90	27.90		8.21	8.21		29.62	29.62		73.2	74.1		4.87	4.93		2.70	2.63		3	
6/7/2015	1:26	Cloudy	Middle	2.5	25.87	25.87	25.87	7.57	7.57	7.57	30.74	30.74	30.75	91.8	91.6	91.5	6.28	6.27	6.26	3.76	3.66	3.52	4	4.00
0,112010	1:27	olouuy	Middle	2.5	25.86	25.86	20.01	7.57	7.57	1107	30.75	30.75	00110	91.6	91.0	0110	6.26	6.22	0.20	3.29	3.35	0.02	4	
8/7/2015	10:38	Fine	Middle	2.5	26.60	26.60	26.70	8.20	8.20	8.21	32.19	32.19	32.13	76.2	77.8	76.5	5.09	5.20	5.11	3.17	3.15	3.12	2	2.50
0/1/2013	10:40	TING	Middle	2.5	26.80	26.80	20.70	8.21	8.21	0.21	32.07	32.07	52.15	77.0	74.9	70.0	5.14	5.00	0.11	3.06	3.11	5.12	3	2.50
10/7/2015	14:05	Fine	Middle	3.0	27.70	27.70	27.90	8.19	8.19	8.20	32.62	32.62	32.61	77.0	77.1	75.5	5.04	5.04	4.94	3.99	3.99	3.93	3	3.50
10/7/2015	14:07	FILIE	Middle	3.0	28.10	28.10	27.90	8.21	8.21	0.20	32.60	32.60	32.01	75.0	73.0	75.5	4.90	4.77	4.94	3.88	3.87	3.93	4	3.50
13/7/2015	17:05	Fine	Middle	2.5	28.80	28.80	28.95	8.20	8.20	8.21	31.79	31.79	31.78	75.8	75.1	75.2	4.89	4.84	4.85	8.53	8.43	8.38	9	9.50
13/1/2015	17:07	FILIE	Middle	2.5	29.10	29.10	20.95	8.21	8.21	0.21	31.77	31.77	31.70	75.4	74.3	75.2	4.86	4.79	4.65	8.35	8.22	0.30	10	9.50
15/7/2015	16:28	Cloudy	Middle	2.5	29.20	29.20	29.30	8.24	8.24	8.24	30.94	30.94	30.93	74.5	73.8	73.9	4.81	4.76	4.77	2.76	2.74	2.75	3	3.00
13/1/2013	16:30	Cloudy	Middle	2.5	29.40	29.40	20.00	8.24	8.24	0.24	30.92	30.92	50.55	73.8	73.3	70.0	4.76	4.73	4.77	2.74	2.75	2.15	3	3.00
17/7/2015	21:10	Cloudy	Middle	2.5	27.41	27.41	27.38	7.56	7.56	7.57	30.73	30.73	30.75	79.4	79.3	79.5	5.12	5.11	5.13	2.29	2.30	2.27	5	4.50
11/1/2010	21:11	cloudy	Middle	2.5	27.35	27.35	21.00	7.57	7.57	1.01	30.76	30.76	00.10	79.6	79.8	10.0	5.14	5.16	0.10	2.21	2.26	2.21	4	4.00
20/7/2015	8:39	Cloudy	Middle	2.5	27.20	27.20	27.20	8.21	8.21	8.21	32.05	32.05	32.05	70.8	71.7	71.1	4.70	4.76	4.72	4.32	4.30	4.30	4	4.50
20/1/2013	8:41	Cloudy	Middle	2.5	27.20	27.20	21.20	8.21	8.21	0.21	32.04	32.04	52.05	71.1	70.9	71.1	4.72	4.70	4.72	4.29	4.29	4.00	5	4.50
22/7/2015	-	Amber	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
22/1/2013	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2015	2:32	Cloudy	Middle	2.5	27.30	27.30	27.30	7.52	7.52	7.52	26.41	26.41	26.41	84.4	84.3	84.2	5.77	5.76	E 76	3.18	3.05	2.06	3	2.50
20/7/2010	2:33	Cloudy	Middle	2.5	27.29	27.29	21.30	7.52	7.52	1.52	26.41	26.41	26.41	84.2	84.0	04.Z	5.76	5.74	5.76	3.02	2.98	3.06	4	3.50

# Water Monitoring Result at P3 - APA Mid-Flood Tide

Date	Time	Weater Condition	Samplin	g Depth	Wat	er Temp °C	perature		pН			Salini	ty	D	O Satur	ation		DO ma/L			Turbid NTU		Suspend	led Solids
		Condition	n	n	Va	lue	Average	Va	- lue	Average	Va	ppt lue	Average	Va	lue	Average	Va	lue	Average	Va	ilue	Average	Value	Average
29/6/2015	16:44	Fine	Middle	2.5	29.10	29.10	29.15	8.39	8.39	8.38	24.10	24.10	24.08	81.6	85.6	83.7	5.47	5.75	5.64	2.83	2.79	2.79	6	6.00
20/0/2010	16:46	1 1110	Middle	2.5	29.20	29.20	20.10	8.36	8.36	0.00	24.06	24.06	2	84.9	82.6		5.70	5.64	0.01	2.77	2.76	20	6	0.00
2/7/2015	17:34	Fine	Middle	2.5	28.70	28.70	28.80	8.56	8.56	8.56	25.65	25.65	25.65	103.0	103.7	102.5	6.90	6.94	6.85	2.64	2.63	2.60	3	4.00
	17:36		Middle	2.5	28.90	28.90		8.56	8.56		25.65	25.65		101.6	101.6		6.80	6.76		2.57	2.54		5	
4/7/2015	21:34	Fine	Middle	2.5	27.40	27.40	27.40	8.19	8.19	8.19	29.70	29.70	29.70	70.1	71.9	71.5	4.70	4.82	4.79	2.71	2.65	2.67	3	3.00
	21:35	-	Middle	2.5	27.40	27.40		8.19	8.19		29.70	29.70		72.9	71.0		4.89	4.75		2.69	2.61	_	3	
6/7/2015	1:30	Cloudy	Middle	2.5	25.80	25.80	25.86	7.50	7.50	7.50	30.86	30.86	30.86	87.0	86.8	86.7	5.95	5.93	5.92	2.83	2.72	2.71	2	2.50
	1:31		Middle	2.5	25.92	25.92		7.50	7.50		30.86	30.86		86.4	86.6		5.90	5.91		2.67	2.62		3	
8/7/2015	10:42	Fine	Middle	2.5	25.80	25.80	25.80	8.21	8.21	8.21	32.25	32.25	32.23	65.8	65.0	64.3	4.46	4.40	4.36	2.68	2.47	2.53	4	3.50
	10:44		Middle	2.5	25.80	25.80		8.20	8.20		32.21	32.21		63.6	62.7		4.31	4.26		2.47	2.49		3	
10/7/2015	14:09	Fine	Middle	3.0	26.80	26.80	26.95	8.21	8.21	8.20	32.69	32.69	32.69	72.3	71.5	70.3	4.81	4.75	4.67	2.76	2.75	2.75	3	3.00
	14:11		Middle	3.0	27.10	27.10		8.18	8.18		32.68	32.68		66.7	70.6		4.43	4.69		2.75	2.75	-	3	
13/7/2015	17:09	Fine	Middle	2.5	27.90	27.90	28.00	8.19	8.19	8.17	31.75	31.75	31.75	68.9	70.8	69.6	4.52	4.64	4.56	2.89	2.88	2.83	<2	<2
	17:11		Middle	2.5	28.10	28.10		8.14	8.14		31.75	31.75		69.1	69.6		4.53	4.56		2.80	2.76		<2	
15/7/2015	16:32	Cloudy	Middle	2.5	28.50	28.50	28.55	8.25	8.25	8.24	30.87	30.87	30.84	73.4	72.4	72.1	4.80	4.74	4.71	2.86	3.04	3.03	2	2.50
	16:34	,	Middle	2.5	28.60	28.60		8.23	8.23		30.81	30.81		71.4	71.0		4.67	4.64		3.02	3.19		3	
17/7/2015	21:15	Cloudy	Middle	2.5	28.08	28.08	28.09	7.58	7.58	7.58	30.29	30.29	30.28	85.0	85.1	85.2	5.52	5.53	5.54	2.45	2.47	2.45	6	5.50
	21:16		Middle	2.5	28.09	28.09		7.58	7.58		30.27	30.27		85.3	85.4		5.55	5.55		2.53	2.36		5	
20/7/2015	8:45	Cloudy	Middle	2.5	27.00	27.00	27.05	8.18	8.18	8.18	30.80	30.80	30.84	63.8	68.8	67.9	4.27	4.59	4.52	3.13	3.04	3.07	2	3.00
	8:47	,	Middle	2.5	27.10	27.10		8.17	8.17		30.88	30.88		70.5	68.5		4.70	4.50	-	3.02	3.07		4	
22/7/2015	-	Amber	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2015	2:37	Cloudy	Middle	2.5	27.19	27.19	88.70	7.50	7.50	7.51	26.44	26.44	26.44	75.4	75.3	75.2	5.17	5.16	5.15	3.64	3.91	3.81	3	2.50
20,1,2010	2:38	cloudy	Middle	2.5	27.20	273.20	00.10	7.51	7.51		26.43	26.43	20	75.2	75.0		5.15	5.13	0.10	3.86	3.83	0.01	2	2.00

# Water Monitoring Result at P4 - SOC Mid-Flood Tide

Date	Time	Weater Condition	Samplin	g Depth	Wat	er Temp °C	perature		pН			Salini ppt	,	C	O Satur %	ation		DO ma/L			Turbid		Suspend	led Solids
		Condition	n	n	Va	lue	Average	Va	lue	Average	Va	lue	Average	Va	lue	Average	Va	lue	Average	Va	alue	Average	Value	Average
29/6/2015	16:48	Fine	Middle	2.5	29.00	29.00	29.00	8.42	8.42	8.44	24.47	24.47	24.46	83.9	82.9	82.6	5.64	5.57	5.55	3.89	3.88	3.90	6	6.50
20,0,2010	16:50	1 1110	Middle	2.5	29.00	29.00	20.00	8.46	8.46	0	24.45	24.45	20	81.8	81.9	02.0	5.50	5.50	0.00	3.86	3.95	0.00	7	0.00
2/7/2015	17:38	Fine	Middle	2.5	29.00	29.00	29.05	8.54	8.54	8.54	25.83	25.83	25.84	98.0	101.4	98.2	6.52	6.75	6.54	2.74	2.74	2.74	5	4.50
	17:40		Middle	2.5	29.10	29.10		8.53	8.53		25.84	25.84		98.8	94.6		6.58	6.30		2.74	2.74		4	
4/7/2015	21:42	Fine	Middle	2.5	27.30	27.30	27.30	8.22	8.22	8.22	29.71	29.71	29.71	71.4	71.1	70.8	4.79	4.77	4.75	3.71	3.62	3.59	4	4.00
	21:43		Middle	2.5	27.30	27.30		8.22	8.22		29.71	29.71		70.2	70.3		4.71	4.72		3.54	3.49		4	
6/7/2015	1:34	Cloudy	Middle	2.5	25.82	25.82	25.82	7.53	7.53	7.53	30.06	30.06	30.06	95.3	95.2	95.2	6.55	6.54	6.53	2.13	2.29	2.18	<2	2.00
	1:35		Middle	2.5	25.82	25.82		7.53	7.53		30.06	30.06		95.1	95.0		6.53	6.51		2.19	2.10		2	
8/7/2015	10:46	Fine	Middle	2.5	25.60	25.60	25.65	8.21	8.21	8.22	32.35	32.35	32.34	66.4	65.8	65.5	4.52	4.46	4.45	2.83	2.85	2.81	5	4.00
	10:48		Middle	2.5	25.70	25.70		8.22	8.22		32.32	32.32		65.0	64.9		4.42	4.41		2.79	2.77		3	
10/7/2015	14:13	Fine	Middle	3.0	26.50	26.50	26.60	8.21	8.21	8.22	32.69	32.69	32.70	79.9	79.3	78.8	5.34	5.29	5.26	3.78	3.75	3.71	6	6.00
	14:15		Middle	3.0	26.70	26.70		8.23	8.23		32.70	32.70		77.3	78.8		5.16	5.26		3.64	3.68		6	
13/7/2015	17:13	Fine	Middle	2.5	27.80	27.80	27.85	8.18	8.18	8.20	31.76	31.76	31.76	77.9	80.1	78.3	5.12	5.26	5.14	4.40	4.40	4.36	2	2.00
	17:15		Middle	2.5	27.90	27.90		8.22	8.22		31.75	31.75		79.2	75.8		5.21	4.98		4.33	4.31		2	
15/7/2015	16:36	Cloudy	Middle	2.5	28.30	28.30	28.30	8.24	8.24	8.25	30.78	30.79	30.78	76.1	74.7	74.9	5.00	4.90	4.91	2.86	2.89	3.02	2	2.50
	16:38	,	Middle	2.5	28.30	28.30		8.25	8.25		30.77	30.77		74.8	73.8	-	4.91	4.81		3.13	3.20		3	
17/7/2015	21:24	Cloudy	Middle	2.5	28.32	28.32	28.31	7.60	7.60	7.60	30.63	30.63	30.64	86.8	86.6	86.4	5.61	5.59	5.58	4.13	3.80	3.89	5	5.50
	21:25		Middle	2.5	28.30	28.30		7.60	7.60		30.64	30.64		86.1	86.0		5.57	5.56		3.77	3.84		6	
20/7/2015	8:50	Cloudy	Middle	2.5	27.10	27.10	27.10	8.21	8.21	8.23	32.27	32.27	32.27	78.6	78.0	78.4	5.22	5.18	5.21	5.45	5.35	5.43	5	5.00
	8:52		Middle	2.5	27.10	27.10	-	8.24	8.24		32.27	32.27	_	79.1	77.9	-	5.25	5.17		5.47	5.44		5	
22/7/2015	-	Amber	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2015	2:41	Cloudy	Middle	2.5	27.20	27.20	27.20	7.52	7.52	7.52	26.37	26.37	26.37	84.8	84.7	84.7	5.81	5.80	5.80	3.37	3.27	3.29	4	3.50
23.72010	2:42	0.000	Middle	2.5	27.20	27.20	220	7.52	7.52		26.37	26.37	20.01	84.7	84.5	0.11	5.80	5.78	0.00	3.30	3.23	0.20	3	0.00

### am Water Monitoring Result at P5 - WCT / RT / IT Mid-Flood Tide

Date	Time	Weater Condition	Samplin	g Depth	Wat	er Temp	perature		pН			Salini ppt	ty	D	O Satur	ation		DO mg/L			Turbid NTU		Suspend	led Solids
		Condition	n	n	Va	lue	Average	Va	lue	Average	Va	lue ppt	Average	Va	lue	Average	Va	lue	Average	Va	alue	Average	Value	Average
29/6/2015	16:52	Fine	Middle	2.5	28.80	28.80	28.85	8.46	8.46	8.46	24.55	24.55	24.55	82.7	82.3	80.3	5.57	5.54	5.41	4.23	4.56	4.30	6	6.00
	16:54		Middle	2.5	28.90	28.90		8.46	8.46		24.54	24.54		79.3	76.9		5.34	5.19		4.37	4.05		6	
2/7/2015	17:42	Fine	Middle	2.5	29.00	29.00	29.05	8.52	8.52	8.52	25.90	25.90	25.88	97.1	96.9	96.2	6.46	6.46	6.40	3.86	3.84	3.88	5	5.50
	17:44		Middle	2.5	29.10	29.10		8.51	8.51		25.80	25.90		95.7	95.2		6.37	6.32		3.85	3.95		6	
4/7/2015	21:51	Fine	Middle	2.5	27.30	27.30	27.30	8.17	8.17	8.17	29.81	29.81	29.81	71.1	71.3	71.3	4.77	4.78	4.78	2.92	2.94	2.81	3	2.50
	21:52	1 110	Middle	2.5	27.30	27.30	21.00	8.17	8.17	0.11	29.82	29.81	20101	70.5	72.3	1.110	4.73	4.84		2.77	2.61	2.01	2	2.00
6/7/2015	1:44	Cloudy	Middle	2.5	25.72	25.72	25.73	7.55	7.55	7.55	31.12	31.12	31.12	91.8	91.7	91.6	6.28	6.27	6.26	2.51	2.41	2.27	2	2.50
0/1/2010	1:45	oloudy	Middle	2.5	25.73	25.73	20.70	7.55	7.55	1.00	31.11	31.11	01.12	91.5	91.2	01.0	6.26	6.22	0.20	2.07	2.10	2.27	3	2.00
8/7/2015	10:50	Fine	Middle	2.5	25.70	25.70	25.75	8.24	8.24	8.25	32.40	32.40	32.40	69.1	65.2	66.1	4.69	4.50	4.51	3.72	3.72	3.73	4	4.00
0/1/2013	10:52	1 me	Middle	2.5	25.80	25.80	23.75	8.26	8.26	0.25	32.39	32.39	32.40	65.6	64.6	00.1	4.46	4.39	4.51	3.73	3.73	3.75	4	4.00
10/7/2015	14:17	Fine	Middle	3.0	26.30	26.30	00.45	8.25	8.25	0.00	32.73	32.73	22.72	74.4	73.8	70.0	4.99	4.94	4.94	4.57	4.49	4.54	5	5.50
10/7/2015	14:19	Fine	Middle	3.0	26.60	26.60	26.45	8.26	8.26	8.26	32.73	32.73	32.73	73.4	73.6	73.8	4.91	4.92	4.94	4.54	4.55	4.54	6	5.50
10/7/0015	17:17		Middle	2.5	27.80	27.80	07.05	8.22	8.22	0.00	31.72	31.72	04 70	71.6	70.9	74.0	4.72	4.67		5.10	5.08	5.40	2	
13/7/2015	17:19	Fine	Middle	2.5	27.90	27.90	27.85	8.23	8.23	8.23	31.74	31.74	31.73	72.1	71.6	71.6	4.75	4.71	4.71	5.22	5.09	5.12	<2	2.00
15/7/2015	16:40	Cloudy	Middle	2.5	28.10	28.10	28.15	8.27	8.27	8.27	30.84	30.84	30.84	72.8	73.0	71.7	4.79	4.80	4.72	2.87	2.87	2.91	4	4.00
13/1/2013	16:42	Cloudy	Middle	2.5	28.20	28.20	20.13	8.27	8.27	0.27	30.83	30.83	50.04	71.1	70.0	11.7	4.67	4.61	4.72	2.94	2.95	2.91	4	4.00
17/7/2015	21:29	Cloudy	Middle	2.5	28.21	28.21	28.24	7.60	7.60	7.60	30.66	30.66	30.67	87.8	87.7	87.7	5.63	5.62	5.62	3.31	3.36	3.04	5	5.00
11112010	21:30	Cloudy	Middle	2.5	28.27	28.27	20.24	7.60	7.60	1.00	30.67	30.67	00.01	87.6	87.5	07.1	5.62	5.61	0.02	2.79	2.69	0.04	5	0.00
20/7/2015	8:55	Cloudy	Middle	2.5	27.20	27.20	27.10	8.25	8.25	8.25	31.27	31.27	31.27	71.8	74.1	73.9	4.78	4.93	4.92	5.62	5.78	5.74	5	5.00
20/1/2013	8:57	Cloudy	Middle	2.5	27.00	27.00	27.10	8.25	8.25	0.25	31.27	31.27	51.27	74.2	75.5	13.5	4.93	5.02	4.92	5.77	5.79	5.74	5	5.00
22/7/2015	-	Amber	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
22/1/2013	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2015	2:48	Cloudy	Middle	2.5	27.26	27.26	27.26	7.51	7.51	7.51	26.52	26.52	26.52	79.0	78.8	79.7	5.40	5.39	F 20	3.58	3.55	2.52	4	4.00
25/7/2015	2:49	Cloudy	Middle	2.5	27.26	27.26	27.26	7.51	7.51	7.51	26.52	26.52	26.52	78.6	78.5	78.7	5.38	5.37	5.39	3.50	3.48	3.53	4	4.00



# Water Monitoring Result at RW21-P789 - Sun Hung Kai Centre Mid-Flood Tide

Date	Time	Weater	Samplin	ig Depth	Wat	er Temp	perature		pН			Salini	ty	D	O Satur	ration		DO ma//			Turbid NTU			ed Solids
		Condition	r	n	Va	lue	Average	Va	lue -	Average	Va	ppt lue	Average	Va	lue	Average	Va	mg/L lue	Average	Va	lue	Average	mç Value	Average
29/6/2015	17:14	Fine	Middle	3.5	28.70	28.70	28.80	8.41	8.41	8.42	24.29	24.29	24.26	72.5	73.3	74.6	4.90	4.95	5.04	3.27	3.24	3.20	3	3.00
	17:16		Middle	3.5	28.90	28.90		8.43	8.43		24.23	24.23		75.2	77.3		5.08	5.22		3.14	3.14		3	
2/7/2015	20:13	Fine	Middle	3.5	27.70	27.70	27.75	8.29	8.29	8.29	27.09	27.09	27.09	82.2	82.0	80.8	5.55	5.52	5.45	3.27	3.96	3.43	6	5.50
2///2010	20:14		Middle	3.5	27.80	27.80	21.10	8.29	8.29	0.20	27.09	27.09	21.00	78.3	80.7	00.0	5.28	5.44	0.40	3.30	3.19	0.40	5	0.00
4/7/2015	19:45	Fine	Middle	3.0	27.60	27.60	27.75	8.10	8.10	8.10	29.28	29.28	29.28	74.9	76.1	75.0	5.01	5.08	5.01	2.66	2.78	2.74	<2	-2
4/7/2015	19:46	FILLE	Middle	3.0	27.90	27.90	21.15	8.10	8.10	0.10	29.28	29.28	29.20	74.8	74.3	75.0	4.99	4.96	5.01	2.82	2.68	2.74	<2	<u>&lt;2</u>
0/7/0045	23:40	Olavata	Middle	3.0	26.24	26.24	00.04	7.56	7.56	7.50	29.88	29.88	00.00	87.4	87.3	07.5	5.97	5.96	5.07	3.18	3.21	0.40	4	4.00
6/7/2015	23:41	Cloudy	Middle	3.0	26.24	26.24	26.24	7.56	7.56	7.56	29.88	29.88	29.88	87.5	87.6	87.5	5.98	5.98	5.97	3.16	3.10	3.16	4	4.00
0/7/00/15	11:06	<u></u>	Middle	3.5	25.60	25.60	05.00	8.25	8.25	0.05	32.15	32.15		62.2	61.3		4.24	4.18		2.73	2.76		5	1.50
8/7/2015	11:08	Fine	Middle	3.5	25.60	25.60	25.60	8.25	8.25	8.25	32.08	32.08	32.12	63.1	62.5	62.3	4.29	4.25	4.24	2.64	2.64	2.69	4	4.50
	14:20		Middle	3.5	26.30	26.30		8.24	8.24		32.80	32.80		75.1	75.5		5.02	5.04		5.02	5.26		8	
10/7/2015	14:22	Fine	Middle	3.5	26.30	26.30	26.30	8.26	8.26	8.25	32.80	32.80	32.80	75.1	74.0	74.9	5.01	4.96	5.01	5.29	5.13	5.18	7	7.50
	17:45		Middle	3.0	27.40	27.40		8.22	8.22		31.70	31.70		76.4	76.6		5.05	5.08		4.19	4.21		<2	
13/7/2015	17:47	Fine	Middle	3.0	27.50	27.50	27.45	8.23	8.23	8.23	31.70	31.70	31.70	75.5	75.9	76.1	5.07	5.03	5.06	4.19	4.17	4.19	<2	<u>&lt;2</u>
	19:05		Middle	3.0	27.58	27.58		7.38	7.38		27.15	27.14		94.9	95.3		6.43	6.45		3.89	3.97		6	
15/7/2015	19:06	Cloudy	Middle	3.0	27.59	27.59	27.59	7.21	7.21	7.30	27.18	27.18	27.16	95.6	95.8	95.4	6.47	6.49	6.46	4.07	4.03	3.99	7	6.50
	19:11		Middle	3.0	27.42	27.42		7.55	7.55		29.99	29.99		83.9	83.7		5.61	5.59		4.22	4.39		5	<u> </u>
17/7/2015	19:12	Cloudy	Middle	3.0	27.43	27.43	27.43	7.55	7.55	7.55	29.98	29.98	29.99	82.0	83.5	83.3	5.46	5.57	5.56	4.20	4.17	4.25	7	6.00
	9:25		Middle	3.0	26.60	26.60		8.19	8.19		31.69	31.69		64.2	64.0		4.33	4.32		4.40	4.40		4	
20/7/2015	9:27	Cloudy	Middle	3.0	26.60	26.60	26.60	8.19	8.19	8.19	31.67	31.67	31.68	62.7	64.7	63.9	4.21	4.34	4.30	4.41	4.42	4.41	4	4.00
	-		Middle	-	-	-		-	-		-	-		-	-			-		-	-		-	
22/7/2015	-	Amber Rainstorm	Middle	-	-	-		-	_			-		-	_		-	-		-	-		-	
	2:06		Middle	3.5	27.32	27.32		7.52	7.52		27.28	27.28		80.1	79.8		5.77	5.47		2.94	3.04		3	
25/7/2015	2:00	Cloudy	Middle	3.5	27.32	27.32	27.32	7.51	7.51	7.52	27.28	27.28	27.28	79.3	79.0	79.6	5.44	5.42	5.53	2.94	2.98	2.98	3	3.00
	2:07		Midule	3.5	27.31	27.31		1.51	1.51		21.20	21.28		79.3	79.1		0.44	5.42		2.90	2.98		3	

# Water Monitoring Result at WSD19 - Sheung Wan Mid-Flood Tide

Date	Time	Weater Condition	Samplin	g Depth	Wat	er Temp °C	perature		pН			Salinit ppt	ty	D	O Satur	ation		DO ma/L			Turbid NTU		Suspend	
		Contaition	n	n	Va	, v	Average	Va	lue	Average	Va		Average	Va	lue	Average	Va	lue	Average	Va	lue	Average	Value	Average
29/6/2015	16:03	Fine	Middle	3.5	29.80	29.80	29.85	8.61	8.61	8.63	23.03	23.03	23.03	104.3	103.2	102.7	6.96	6.89	6.85	4.60	4.57	4.64	7	7.00
	16:05		Middle	3.5	29.90	29.90		8.65	8.65		23.02	23.02		102.0	101.1		6.81	6.75		4.56	4.82		7	
2/7/2015	19:10	Fine	Middle	2.5	28.60	28.60	28.63	8.13	8.13	8.14	27.24	27.24	27.24	80.8	80.6	80.0	5.36	5.30	5.29	3.75	3.65	3.71	5	5.50
	19:11		Middle	2.5	28.70	28.60		8.15	8.15		27.24	27.24		79.0	79.4		5.24	5.26		3.70	3.73		6	
4/7/2015	20:35	Fine	Middle	2.5	27.30	27.30	27.35	7.91	7.91	7.93	29.52	29.52	29.53	71.9	73.6	73.1	4.80	4.90	4.87	4.90	4.63	4.71	3	3.00
	20:36		Middle	2.5	27.40	27.40		7.95	7.95		29.54	29.54		74.6	72.4		4.97	4.82		4.61	4.70		3	
6/7/2015	0:27	Cloudy	Middle	3.0	26.10	26.10	26.12	7.58	7.58	7.58	30.24	30.24	30.24	94.4	94.3	94.2	6.44	6.43	6.42	4.98	4.87	4.86	4	4.00
	0:28		Middle	3.0	26.13	26.13		7.58	7.58		30.24	30.24		94.2	94.0		6.43	6.39		4.80	4.77		4	
8/7/2015	9:47	Fine	Middle	3.5	26.10	26.10	26.20	8.19	8.19	8.18	32.16	32.16	32.16	54.8	54.5	54.3	3.70	3.68	3.67	3.87	3.95	3.87	4	4.00
	9:49		Middle	3.5	26.30	26.30		8.17	8.17		32.16	32.16		54.2	53.7		3.66	3.62		3.88	3.79		4	<u> </u>
10/7/2015	13:18	Fine	Middle	3.5	27.10	27.10	27.40	8.42	8.42	8.33	32.90	32.90	32.91	69.3	66.5	65.9	4.64	4.37	4.35	3.24	3.14	3.12	4	4.00
	13:20		Middle	3.5	27.70	27.70		8.24	8.24		32.91	32.91		64.1	63.8		4.21	4.19		3.06	3.04		4	<u> </u>
13/7/2015	16:03	Fine	Middle	3.0	27.70	27.70	27.90	8.20	8.20	8.20	31.75	31.75	31.75	66.6	67.3	66.5	4.37	4.42	4.37	5.01	4.92	4.89	3	4.00
	16:05		Middle	3.0	28.10	28.10		8.19	8.19		31.74	31.74		65.7	66.5		4.31	4.37		4.86	4.76		5	
15/7/2015	20:04	Cloudy	Middle	3.0	27.99	27.99	28.05	7.58	7.58	7.58	29.66	29.66	29.66	92.8	93.3	93.1	6.15	6.18	6.17	6.34	6.44	6.38	5	5.00
	20:05		Middle	3.0	28.11	28.11		7.58	7.58		29.66	29.66		93.3	93.1		6.18	6.16		6.61	6.12		5	<u> </u>
17/7/2015	20:03	Cloudy	Middle	3.0	27.17	27.17	27.17	7.39	7.39	7.40	30.52	30.52	30.52	93.1	93.0	93.1	6.24	6.23	6.24	5.02	4.48	4.63	6	6.00
	20:04		Middle	3.0	27.17	27.17		7.40	7.40		30.51	30.51		93.3	92.8		6.26	6.22		4.43	4.59		6	
20/7/2015	7:49	Cloudy	Middle	3.5	26.90	26.90	27.00	8.20	8.20	8.19	32.06	32.06	32.06	58.3	57.1	57.2	3.88	3.80	3.81	7.76	7.89	7.87	4	4.50
	7:51		Middle	3.5	27.10	27.10		8.17	8.17		32.05	32.05		57.0	56.5		3.79	3.75		7.91	7.93		5	
22/7/2015	-	Amber Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2015	3:09	Cloudy	Middle	3.0	27.26	27.26	27.28	7.55	7.55	7.56	24.92	24.92	24.93	89.5	89.4	89.3	6.17	6.17	6.16	3.81	3.85	3.67	4	4.00
	3:10		Middle	3.0	27.29	27.29		7.56	7.56		24.93	24.93		89.1	89.0		6.14	6.14		3.50	3.53		4	1

# Water Monitoring Result at C7 - Windsor House Mid-Ebb Tide

Date	Time	Weater	Samplin	g Depth	Wat		erature		pН			Salinit	у	D	O Satur	ation		DO			Turbid		Suspend	
		Condition	r	n	Va	°C Ilue	Average	Va	- Ilue	Average	Va	ppt alue	Average	Va	% lue	Average	Va	mg/L lue	Average	Va	NTU lue	Average	mı Value	g/∟ Average
29/6/2015	10:15	Fine	Middle	-	29.30	29.30	29.35	8.32	8.32	8.32	23.69	23.69	23.69	77.4	79.4	78.0	5.19	5.32	5.24	3.08	3.19	3.12	4	3.50
20/0/2010	10:17		Middle	-	29.40	29.40	20.00	8.31	8.31	0.02	23.68	23.68	20.00	77.4	77.6	1010	5.19	5.26	0.21	3.19	3.02	0.12	3	0.00
2/7/2015	10:35	Fine	Middle	-	27.90	27.90	28.00	8.21	8.21	8.19	27.86	27.86	27.86	65.3	65.7	65.4	4.39	4.41	4.39	5.03	5.04	5.14	4	5.00
	10:37		Middle	-	28.10	28.10		8.16	8.16		27.86	27.86		65.4	65.0		4.39	4.35		5.21	5.29		6	
4/7/2015	14:14	Fine	Middle	-	27.80	27.80	28.00	8.06	8.06	8.06	29.65	29.65	29.63	74.7	74.1	73.9	4.96	4.91	4.90	1.85	1.85	1.86	<2	<2
	14:16	-	Middle	-	28.20	28.20		8.05	8.05		29.61	29.61		73.3	73.3		4.86	4.86		1.86	1.86		<2	
6/7/2015	14:50	Fine	Middle	-	27.30	27.30	27.40	8.13	8.13	8.12	31.20	31.20	31.20	73.6	74.9	73.5	4.89	4.98	4.88	3.02	3.00	2.96	4	3.50
	14:52		Middle	-	27.50	27.50		8.11	8.11		31.20	31.20		72.4	73.2		4.81	4.85		2.89	2.94		3	
8/7/2015	-	Fine	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
10/7/2015	-	Cloudy	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	-		Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
13/7/2015	-	Fine	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	-	-	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
15/7/2015	12:25	Fine	Middle	-	28.50	28.50	28.65	8.09	8.09	8.09	31.50	31.50	31.50	68.1	69.2	69.1	4.43	4.50	4.49	1.53	1.56	1.56	3	3.50
	12:27	-	Middle	-	28.80	28.80		8.08	8.08		31.50	31.50		68.8	70.1		4.48	4.56		1.56	1.60		4	
17/7/2015	11:05	Fine	Middle	-	27.80	27.80	27.70	8.17	8.17	8.16	31.21	31.21	31.21	67.6	68.6	68.8	4.48	4.50	4.54	1.93	1.95	1.93	3	3.50
	11:07		Middle	-	27.60	27.60		8.14	8.14		31.21	31.21		70.1	68.9		4.65	4.52		1.96	1.89		4	
20/7/2015	15:32	Cloudy	Middle	-	26.70	26.70	26.75	8.08	8.08	8.09	31.68	31.68	31.71	64.8	65.4	64.0	4.34	4.38	4.29	1.51	1.64	1.66	<2	<2
	15:34		Middle	-	26.80	26.80		8.09	8.09		31.74	31.74		63.4	62.5		4.24	4.19		1.74	1.75		<2	
22/7/2015	-	Amber	Middle	-	-	-		-	-		-	-		-	-	l	-	-		-	-		-	
	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2015	9:06	Cloudy	Middle	-	27.10	27.10	27.05	7.99	7.99	8.00	24.94	24.94	24.90	67.7	66.5	66.7	4.09	4.00	4.03	1.51	1.51	1.79	2	2.00
	9:08		Middle	-	27.00	27.00		8.01	8.01		24.86	24.86		66.5	66.1		4.01	4.02		2.07	2.06		2	

Water Monitoring Result at C1 - HKCEC Mid-Ebb Tide

Date	Time	Weater Condition	Samplin	g Depth	Wat	er Temp	perature		pН			Salini ppt	iy.	C	O Satur %	ation	-	DO mg/L			Turbid NTU		Suspend	ed Solids
		Condition	n	n	Va	llue	Average	Va	lue	Average	Va	ilue	Average	Va	llue	Average	Va	lue	Average	Va	alue	Average	Value	Average
29/6/2015	10:55	Fine	Middle	2.5	28.40	28.40	28.40	8.43	8.43	8.43	22.55	22.56	22.57	76.0	74.1	73.3	5.21	5.08	5.02	3.71	3.65	3.59	5	5.00
	10:57	-	Middle	2.5	28.40	28.40		8.42	8.42		22.58	22.58	-	72.0	70.9		4.93	4.86		3.50	3.49		5	
2/7/2015	14:35	Fine	Middle	2.5	28.60	28.60	28.65	8.44	8.44	8.44	25.92	25.92	25.92	90.5	91.7	92.4	6.06	6.17	6.20	3.99	3.99	3.98	3	3.50
	14:37		Middle	2.5	28.70	28.70		8.44	8.44	••••	25.92	25.92		93.9	93.5	•=	6.29	6.26		3.98	3.97		4	
4/7/2015	16:00	Fine	Middle	2.5	27.70	27.70	27.75	8.25	8.25	8.26	28.76	28.76	28.76	73.1	74.1	73.6	4.90	4.96	4.93	2.97	2.78	2.82	2	2.00
	16:02	1 110	Middle	2.5	27.80	27.80	21110	8.26	8.26	0.20	28.75	28.75	20110	74.1	73.2	1010	4.97	4.90		2.77	2.76	2.02	2	2.00
6/7/2015	15:51	Fine	Middle	3.5	26.80	26.80	26.85	8.28	8.28	8.28	30.10	30.10	30.11	77.1	77.6	77.5	5.21	5.24	5.23	2.37	2.38	2.61	3	3.00
0,172010	15:53	1 110	Middle	3.5	26.90	26.90	20.00	8.27	8.27	0.20	30.12	30.12	00111	77.9	77.3		5.26	5.22	0.20	3.00	2.67	2.01	3	0.00
8/7/2015	16:56	Fine	Middle	2.5	26.50	26.50	26.55	8.29	8.29	8.29	32.36	32.36	32.36	73.2	72.3	72.5	4.90	4.84	4.85	3.13	3.04	2.99	3	3.50
0,172010	16:58	1 110	Middle	2.5	26.60	26.60	20.00	8.28	8.28	0.20	32.36	32.36	02.00	73.7	70.6	12.0	4.94	4.73		2.89	2.88	2.00	4	0.00
10/7/2015	17:47	Cloudy	Middle	2.5	26.20	26.20	26.25	8.26	8.26	8.26	32.71	32.71	32.71	63.3	61.8	61.3	4.25	4.15	4.12	2.45	2.38	2.41	6	5.00
10/1/2010	17:49	Cloudy	Middle	2.5	26.30	26.30	20.20	8.26	8.26	0.20	32.70	32.70	02.71	60.3	59.8	01.0	4.05	4.02	4.12	2.42	2.40	2.71	4	0.00
13/7/2015	10:17	Fine	Middle	2.5	27.30	27.30	27.35	8.24	8.24	8.24	31.87	31.87	31.87	67.4	69.1	68.7	4.47	4.58	4.55	2.73	2.74	2.81	<2	<2
10/1/2010	10:19	T IIIO	Middle	2.5	27.40	27.40	21.00	8.23	8.23	0.24	31.86	31.86	01.07	69.1	69.1	00.1	4.58	4.57	4.00	2.79	2.97	2.01	<2	~
15/7/2015	11:20	Fine	Middle	2.5	27.80	27.80	27.85	8.26	8.26	8.26	31.25	31.25	31.25	62.0	61.2	60.8	4.09	4.04	4.01	3.39	3.37	3.34	2	2.50
10/1/2010	11:22	T IIIO	Middle	2.5	27.90	27.90	21.00	8.26	8.26	0.20	31.25	31.25	01.20	60.4	59.5	00.0	3.98	3.91	4.01	3.31	3.29	0.04	3	2.00
17/7/2015	14:56	Fine	Middle	2.5	27.50	27.50	27.50	8.26	8.26	8.26	30.67	30.67	30.63	67.3	68.3	66.0	4.48	4.55	4.39	3.22	3.23	3.21	2	2.50
11/1/2010	14:58	T IIIO	Middle	2.5	27.50	27.50	21.00	8.26	8.26	0.20	30.58	30.58	00.00	64.4	63.8	00.0	4.28	4.25	4.00	3.23	3.14	0.21	3	2.00
20/7/2015	14:40	Cloudy	Middle	3.0	26.80	26.80	26.85	8.26	8.26	8.26	31.07	31.07	31.04	74.7	73.5	73.6	4.98	4.90	4.91	4.16	4.32	4.23	5	5.00
20/1/2010	14:42	Cloudy	Middle	3.0	26.90	26.90	20.00	8.26	8.26	0.20	31.00	31.00	01.04	72.9	73.2	10.0	4.89	4.88	4.01	4.20	4.22	4.20	5	0.00
22/7/2015	-	Amber	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
22/11/2013	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2015	8:16	Cloudy	Middle	2.5	27.70	27.70	27.70	8.16	8.16	8.16	25.11	25.11	25.11	69.4	70.1	68.6	4.74	4.79	4.69	2.75	2.75	2.78	3	2.50
20/1/2010	8:18	Cioudy	Middle	2.5	27.70	27.70	21.10	8.15	8.15	0.10	25.11	25.11	20.11	68.2	66.5	00.0	4.66	4.55	4.03	2.77	2.86	2.10	2	2.50

## Water Monitoring Result at P1 - HKCEC Phase I Mid-Ebb Tide

Date	Time	Weater Condition	Samplin	ig Depth	Wat	er Temp	perature		pН			Salini ppt	ty	C	O Satur %	ation		DO mg/L			Turbid NTU		Suspend	led Solids
		Condition	r	n	Va	llue	Average	Va	alue	Average	Va	alue	Average	Va	lue	Average	Va		Average	Va	-	Average	Value	g/∟ Average
29/6/2015	11:17	Fine	Middle	2.5	28.50	28.50	28.55	8.34	8.34	8.36	23.02	23.02	23.03	80.5	76.4	75.8	5.49	5.21	5.17	3.04	3.03	3.05	5	5.50
	11:19		Middle	2.5	28.60	28.60		8.38	8.38		23.04	23.04		73.9	72.5		5.04	4.95		3.00	3.11		6	
2/7/2015	14:15	Fine	Middle	2.5	29.90	29.90	29.90	8.46	8.46	8.45	26.01	26.01	26.01	99.5	98.5	98.6	6.51	6.43	6.44	2.48	2.46	2.42	4	4.00
2,1,2010	14:17	1 110	Middle	2.5	29.90	29.90	20.00	8.44	8.44	0110	26.00	26.00	20101	99.2	97.2	00.0	6.47	6.34	0.11	2.37	2.37	22	4	
4/7/2015	15:44	Fine	Middle	2.5	29.20	29.20	29.35	8.21	8.21	8.24	28.73	28.73	28.80	78.3	80.8	79.4	5.12	5.27	5.18	2.71	2.72	2.73	3	2.50
4/7/2013	15:46	T IIIe	Middle	2.5	29.50	29.50	20.00	8.26	8.26	0.24	28.86	28.86	20.00	80.6	77.8	73.4	5.26	5.08	5.10	2.73	2.74	2.75	2	2.00
6/7/2015	15:35	Fine	Middle	3.5	27.30	27.30	27.50	8.21	8.21	8.24	30.16	30.16	30.15	83.8	83.3	79.8	5.59	5.56	5.32	2.35	2.36	2.36	3	3.00
0/7/2013	15:37	FILIE	Middle	3.5	27.70	27.70	27.50	8.26	8.26	0.24	30.14	30.14	30.15	73.8	78.1	79.0	4.92	5.20	0.32	2.36	2.36	2.30	3	3.00
8/7/2015	16:40	Fine	Middle	Middle       2.5       26.80       27.10       27.10       27.10       26.95       8.21       8.23       8.25       32.41       32.41       32.31       76.0       76.5       75.8       5.1         Middle       2.5       27.70       27.70       8.21       8.21       32.89       32.89       32.89       5.1       5.1       5.1         Middle       2.5       27.70       27.70       8.21       8.21       32.89       32.89       32.89       65.7       65.8       4.1		5.06	5.09	5.04	3.69	3.71	3.67	3	3.50											
8/7/2015	16:42	Fine	Middle	2.5	27.10	27.10	20.95	8.27	8.27	8.25	32.28	32.28	32.35	76.0	74.6	/ 5.8	5.05	4.96	5.04	3.64	3.64	3.07	4	3.50
10/7/0015	17:31	01 1	Middle	Middle     2.5     26.80     26.80     26.90     26.95     8.23     8.23     8.25     32.41     32.41     32.35     76.0     76.5     75.8     5.06     5.09     5.04     36.9     3.64     3.64       Middle     2.5     27.10     27.10     27.10     27.70     8.27     8.21     8.22     32.89     32.89     32.86     76.0     76.5     76.5     4.96     5.04     3.64     3.64       Middle     2.5     27.70     27.70     27.70     27.70     8.21     8.21     8.22     32.89     32.86     50.7     65.8     65.7     4.32		3.71	0.50	5	5.00															
10/7/2015	17:33	Cloudy	Middle	2.5	27.10     27.10     27.70		3.38	3.59	5	5.00														
10/7/0015	10:05	<b>_</b> ;	Middle	2.5	28.20	28.20		8.21	8.21		32.06	32.06		62.0	61.4		4.04	4.00	0.00	2.54	2.63	0.50	<2	
13/7/2015	10:07	Fine	Middle	2.5	28.40	28.40	28.30	8.22	8.22	8.22	32.01	32.01	32.04	61.2	60.5	61.3	3.99	3.93	3.99	2.56	2.40	2.53	<2	<2
15/2/0015	11:04	<b>_</b> ;	Middle	2.5	28.30	28.30	00.40	8.21	8.21		31.37	31.37		74.1	77.3	70.4	4.84	5.04	1.00	2.74	2.74	0.74	5	
15/7/2015	11:06	Fine	Middle	2.5	28.50	28.50	28.40	8.23	8.23	8.22	31.34	31.34	31.36	77.0	76.0	76.1	5.02	4.95	4.96	2.74	2.74	2.74	3	4.00
	14:40		Middle	2.5	28.60	28.60		8.25	8.25		30.09	30.09		58.6	56.8		3.82	3.70		3.64	3.70		3	
17/7/2015	14:42	Fine	Middle	2.5	28.80	28.80	28.70	8.26	8.26	8.26	30.67	30.67	30.38	55.9	54.9	56.6	3.62	3.58	3.68	3.72	3.76	3.71	4	3.50
	14:20		Middle	3.0	27.00	27.00		8.25	8.25		31.78	31.78		77.2	77.7		5.17	5.20	- /-	4.51	4.90		4	
20/7/2015	14:22	Cloudy	Middle	3.0	27.00	27.00	27.00	8.26	8.26	8.26	31.89	31.89	31.84	78.0	76.1	77.3	5.23	5.16	5.19	4.28	4.72	4.60	6	5.00
00/7/5515	-	Amber	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
22/7/2015	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	1
	8:00		Middle	2.5	27.20	27.20		8.02	8.02		24.88	24.88		70.6	70.9		4.88	4.90		3.72	3.72		3	
25/7/2015	8:02	Cloudy	Middle	2.5	27.20	27.20	27.20	8.08	8.08	8.05	24.92	24.92	24.90	71.9	71.7	71.3	4.97	4.95	4.93	3.73	3.73	3.73	2	2.50

#### Water Monitoring Result at P3 - APA Mid-Ebb Tide

Date	Time	Weater Condition	Samplin	ig Depth	Wat	ter Temp	perature		pН			Salini ppt	iy.	D	O Satur	ation		DO mg/L			Turbid NTU		Suspend	led Solids
		Condition	r	n	Va	ilue	Average	Va	lue	Average	Va	ilue	Average	Va	lue	Average	Va	0	Average	Va	-	Average	Value	Average
29/6/2015	11:10	Fine	Middle	2.5	28.60	28.60	28.65	8.39	8.39	8.39	22.72	22.72	22.70	71.4	70.7	70.7	4.89	4.83	4.84	3.13	3.15	3.17	4	4.00
	11:12		Middle	2.5	28.70	28.70		8.38	8.38		22.68	22.68		70.4	70.2		4.82	4.81		3.18	3.20		4	
2/7/2015	14:30	Fine	Middle	2.5	29.20	29.20	29.25	8.45	8.45	8.45	26.88	26.88	26.88	95.3	95.1	95.7	6.34	6.31	6.36	2.52	2.52	2.51	3	3.50
	14:32		Middle	2.5	29.30	29.30		8.45	8.45		26.88	26.88		97.0	95.4		6.44	6.33		2.51	2.48		4	
4/7/2015	15:48	Fine	Middle	2.5	28.20	28.20	28.25	8.29	8.29	8.29	28.63	28.63	28.62	71.4	73.0	72.3	4.75	4.85	4.81	2.71	2.85	2.80	3	2.50
	15:50		Middle	2.5	28.30	28.30		8.29	8.29		28.60	28.60		73.1	71.8		4.86	4.79		2.89	2.75		2	
6/7/2015	15:39	Fine	Middle	3.5	27.00	27.00	27.10	8.28	8.28	8.28	30.02	30.02	30.02	81.6	82.2	81.5	5.49	5.53	5.48	2.92	2.66	2.69	3	3.00
	15:41		Middle	3.5	27.20	27.20		8.28	8.28		30.01	30.01		81.4	80.7		5.47	5.42		2.55	2.63		3	
8/7/2015	16:44	Fine	Middle	2.5	26.20	26.20	26.25	8.30	8.30	8.31	32.13	32.13	32.12	78.1	77.0	77.2	5.27	5.19	5.21	3.53	3.51	3.51	3	3.50
	16:46		Middle	2.5	26.30	26.30		8.31	8.31		32.11	32.11		77.5	76.3		5.22	5.14		3.51	3.50		4	
10/7/2015	17:35	Cloudy	Middle	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		2.30	2.31	2.30	4	4.00														
10/1/2010	17:37	Cloudy	Middle	2.5	26.60	26.60	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4.14	4.00	2.29	2.28	2.00	4	4.00										
13/7/2015	10:08	Fine	Middle	2.5	27.60	27.60	27.70	8.23	8.23	8.24	31.97	31.97	31.89	69.7	70.0	69.2	4.59	4.61	4.56	2.28	2.28	2.28	<2	<2
10,772010	10:10	1 110	Middle	2.5	27.80	27.80	21110	8.24	8.24	0.2 1	31.81	31.81	01100	70.1	67.0	00.2	4.62	4.42		2.27	2.27	2.20	<2	
15/7/2015	11:08	Fine	Middle	2.5	27.80	27.80	27.85	8.25	8.25	8.26	31.37	31.37	31.24	75.6	73.6	75.5	5.00	4.87	4.99	2.73	2.64	2.61	2	2.50
10/1/2010	11:10	1 110	Middle	2.5	27.90	27.90	27.00	8.27	8.27	0.20	31.11	31.11	0.1.2.1	76.9	75.9	10.0	5.07	5.01		2.55	2.53	2.01	3	2.00
17/7/2015	14:44	Fine	Middle	2.5	28.00	28.00	28.05	8.27	8.27	8.27	30.69	30.69	30.68	67.3	66.6	67.6	4.44	4.39	4.46	4.32	4.30	4.37	3	3.00
	14:46		Middle	2.5	28.10	28.10		8.27	8.27		30.66	30.66		67.6	68.7		4.46	4.53		4.35	4.49		3	
20/7/2015	14:25	Cloudy	Middle	3.0	26.70	26.70	26.65	8.26	8.26	8.26	30.92	30.92	30.91	78.4	77.7	77.9	5.25	5.21	5.22	5.05	5.00	4.93	5	5.50
20///2010	14:27	0.000,	Middle	3.0	26.60	26.60	20.00	8.26	8.26	0.20	30.90	30.90		78.1	77.3		5.24	5.18	0.22	4.84	4.84		6	0.00
22/7/2015	-	Amber	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2015	8:04	Cloudy	Middle	2.5	27.20	27.20	27.20	8.10	8.10	8.12	24.97	24.97	24.97	75.2	74.5	74.0	5.19	5.14	5.11	3.01	3.00	3.00	2	2.50
20/1/2010	8:06	Cloudy	Middle	2.5	27.20	27.20	21.20	8.13	8.13	0.12	24.97	24.97	24.01	73.9	72.2	0.11	5.11	4.99	0.11	3.00	3.00	0.00	3	2.00

#### Water Monitoring Result at P4 - SOC Mid-Ebb Tide

Date	Time	Weater Condition	Samplin	ig Depth	Wat	ter Temp °C	perature		pН			Salini ppt	iy.	C	O Satur	ration		DO ma/L			Turbid NTU		Suspend	ed Solids
		Oblidition	r	n	Va	lue	Average	Va	lue	Average	Va	ilue	Average	Va	lue	Average	Va	5	Average	Va	-	Average	Value	Average
29/6/2015	11:03	Fine	Middle	2.5	28.60	28.60	28.65	8.42	8.42	8.42	22.57	22.48	22.54	71.9	69.8	68.6	4.90	4.72	4.68	2.55	2.53	2.52	4	5.00
	11:05	-	Middle	2.5	28.70	28.70		8.41	8.41	_	22.54	22.55	-	67.8	65.0		4.62	4.49		2.49	2.51	-	6	
2/7/2015	14:25	Fine	Middle	2.5	28.90	28.90	28.90	8.44	8.44	8.45	26.00	26.00	26.00	93.0	92.9	92.1	6.20	6.19	6.14	2.28	2.27	2.27	3	3.50
	14:27		Middle	2.5	28.90	28.90		8.45	8.45		26.00	26.00		90.8	91.5		6.05	6.10		2.27	2.27		4	
4/7/2015	15:52	Fine	Middle	2.5	28.00	28.00	28.05	8.28	8.28	8.28	28.58	28.58	28.58	71.1	70.9	72.2	4.75	4.73	4.82	1.77	1.78	1.86	2	2.00
	15:54	-	Middle	2.5	28.10	28.10		8.27	8.27		28.58	28.58		73.3	73.3		4.89	4.89		1.93	1.94		<2	
6/7/2015	15:43	Fine	Middle	3.5	26.90	26.90	26.95	8.28	8.28	8.29	29.98	29.98	29.98	82.2	81.7	80.1	5.54	5.51	5.42	2.52	2.53	2.58	2	2.00
	15:45		Middle	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			5.46	5.18		2.62	2.63		2											
8/7/2015	16:48	Fine	Middle	2.5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		32.22	76.4	75.4	74.6	5.16	5.08	5.03	2.72	2.73	2.77	4	3.50						
	16:50		Middle	2.5	3.5         27.00         27.00           2.5         26.10         26.10           2.5         26.20         26.20			8.30	8.30		32.21	32.21		73.5	73.2		4.96	4.93		2.84	2.77		3	
10/7/2015	17:39	Cloudy	Middle	2.5	26.30	26.30	26.35	8.24	8.24	8.25	32.57	32.57	32.58	66.9	68.2	67.4	4.48	4.57	4.52	2.64	2.56	2.57	5	4.00
	17:41		Middle	2.5	26.40	26.40		8.25	8.25		32.58	32.58		67.4	67.0		4.52	4.49		2.53	2.53		3	
13/7/2015	10:11	Fine	Middle	2.5	27.40	27.40	27.40	8.24	8.24	8.24	31.81	31.81	56.81	71.1	73.5	71.9	4.76	4.87	4.78	3.04	3.00	2.96	<2	2.00
	10:12		Middle	2.5	27.40	27.40		8.24	8.24	•	81.82	81.81		73.0	70.1		4.84	4.64		2.87	2.92		2	
15/7/2015	11:12	Fine	Middle	2.5	27.60	27.60	27.65	8.27	8.27	8.27	31.16	31.16	31.15	68.1	69.8	68.8	4.51	4.62	4.56	2.14	2.14	2.14	2	2.50
	11:14		Middle	2.5	27.70	27.70		8.27	8.27		31.14	31.14		69.2	68.2		4.58	4.51		2.14	2.14		3	
17/7/2015	14:48	Fine	Middle	2.5	27.70	27.70	27.75	8.27	8.27	8.27	30.67	30.67	30.66	71.7	71.4	71.4	4.76	4.73	4.74	3.65	3.69	3.67	3	3.50
	14:50		Middle	2.5	27.80	27.80		8.27	8.27		30.65	30.65		71.2	71.3		4.72	4.73		3.67	3.65		4	
20/7/2015	14:30	Cloudy	Middle	3.0	26.60	26.60	26.65	8.26	8.26	8.26	31.77	31.77	31.89	73.8	75.9	75.1	4.94	5.08	5.04	4.41	4.40	4.35	4	5.00
	14:32		Middle	3.0	26.70	26.70		8.26	8.26		32.01	32.01		75.7	75.1		5.07	5.05		4.31	4.29		6	
22/7/2015	-	Amber	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2015	8:08	Cloudy	Middle	2.5	27.10	27.10	27.10	8.14	8.14	8.15	24.94	24.94	24.94	74.3	74.5	74.0	5.14	5.15	5.12	3.14	3.14	3.09	3	3.00
	8:10		Middle	2.5	27.10	27.10		8.15	8.15		24.94	24.94		74.0	73.3		5.11	5.07		3.03	3.06		3	

## Water Monitoring Result at P5 - WCT / RT / IT Mid-Ebb Tide

Date	Time	Weater Condition	Samplin	ig Depth	Wat	er Temp	erature		pН			Salinit ppt	y	C	O Satur	ation		DO ma/L			Turbid NTU		Suspend	led Solids
		Condition	r	n	Va	lue	Average	Va	lue	Average	Va	ilue	Average	Va	alue	Average	Va		Average	Va	-	Average	Value	Average
29/6/2015	10:50	Fine	Middle	2.5	28.50	28.50	28.60	8.45	8.45	8.45	22.69	22.70	22.70	76.3	74.1	73.3	5.20	5.05	4.99	2.32	2.30	2.27	4	4.00
	10:52		Middle	2.5	28.70	28.70		8.45	8.45		22.70	22.70		72.8	70.0		4.95	4.77		2.23	2.21		4	
2/7/2015	14:20	Fine	Middle	2.5	28.70	28.70	28.80	8.44	8.44	8.44	26.90	26.90	26.90	92.3	92.1	91.5	6.17	6.15	6.11	2.51	2.64	2.64	4	4.50
2///2010	14:22	1 110	Middle	2.5	28.90	28.90	20.00	8.44	8.44	0.111	26.89	26.89	20.00	91.1	90.3	0110	6.09	6.03	0.11	2.69	2.71	2.01	5	
4/7/2015	15:56	Fine	Middle	2.5	27.90	27.90	27.95	8.26	8.26	8.26	28.67	28.67	28.68	68.0	72.0	69.9	4.54	4.81	4.67	3.06	3.05	3.07	2	2.00
4/1/2013	15:58	T IIIe	Middle	2.5	28.00	28.00	21.33	8.25	8.25	0.20	28.69	28.69	20.00	70.1	69.4	00.0	4.68	4.64	4.07	3.03	3.12	5.07	2	2.00
6/7/2015	15:47	Fine	Middle	3.5	26.80	26.80	26.85	8.28	8.28	8.28	30.03	30.03	30.04	79.7	79.8	79.6	5.38	5.39	5.37	2.49	2.48	2.45	2	2.00
0/1/2013	15:49	1 110	Middle	3.5	26.90	26.90	20.05	8.28	8.28	0.20	30.04	30.04	30.04	79.1	79.7	79.0	5.34	5.38	5.57	2.46	2.37	2.45	2	2.00
8/7/2015	16:52	Fine	Middle	2.5	26.40         26.40         26.45         8.30         8.30         8.30         32.32         32.32         32.32         68.4         67.5         4.70         4.94         4.69         3.1           26.40         26.40         26.40         8.30         8.30         32.32         32.32         32.32         68.4         67.5         4.59         4.53         4.69         3.3           26.40         26.40         8.25         8.25         32.67         32.67         67.2         65.7         4.50         4.41         3.1		3.13	3.44	3.32	5	4.50													
0/7/2013	16:54	Fille	Middle	2.5	26.50	26.50	20.45	8.30	8.30	0.30	32.32	32.32	32.32	68.4	67.5	00.0	4.59	4.53	4.09	3.39	3.32	3.32	4	4.50
10/7/2015	17:43	Claudu	Middle	2.5	26.40         26.40         26.40         26.40         8.25         8.25         8.26         32.67         32.67         32.67         67.2         65.7         66.2         4.50         4.64         4.64         3.14         3.14		3.20	2.20	4	4.00														
10/7/2015	17:45	Cloudy	Middle	2.5	26.40	$\begin{array}{c c c c c c c c c c c c c c c c c c c $		3.24	3.20	4	4.00													
13/7/2015	10:13	Fine	Middle	2.5	27.40	27.40	27.45	8.23	8.23	8.24	31.84	31.84	31.84	69.7	71.2	70.4	4.61	4.70	4.65	3.20	3.00	3.04	<2	<2
13/1/2015	10:15	Fine	Middle	2.5	27.50	27.50	27.45	8.24	8.24	0.24	31.83	31.83	31.04	70.4	70.1	70.4	4.66	4.64	4.00	2.98	2.98	3.04	<2	<2
45/7/2045	11:16	Fine	Middle	2.5	27.80	27.80	27.05	8.26	8.26	8.26	31.20	31.20	24.20	61.4	59.4	59.1	4.05	3.92	2.00	3.37	3.37	2.24	3	2.00
15/7/2015	11:18	Fille	Middle	2.5	27.90	27.90	27.85	8.26	8.26	0.20	31.19	31.19	31.20	58.2	57.4	59.1	3.84	3.79	3.90	3.34	3.14	3.31	3	3.00
17/7/2015	14:52	Fine	Middle	2.5	27.70	27.70	27.65	8.27	8.27	8.27	30.11	30.11	30.40	73.4	73.8	73.4	4.88	4.91	4.88	3.80	3.86	3.91	3	3.00
17/7/2015	14:54	Fille	Middle	2.5	27.60	27.60	27.05	8.27	8.27	0.27	30.68	30.68	30.40	73.6	72.6	73.4	4.90	4.82	4.00	3.96	4.00	3.91	3	3.00
20/7/2015	14:35	Cloudy	Middle	3.0	27.10	27.10	27.10	8.23	8.23	8.24	31.88	31.88	31.89	71.7	71.6	71.8	4.77	4.77	4.78	6.49	6.52	6.50	5	5.00
20/7/2015	14:37	Cloudy	Middle	3.0	27.10	27.10	27.10	8.24	8.24	0.24	31.89	31.89	31.69	72.2	71.7	/1.0	4.81	4.78	4.78	6.52	6.53	6.52	5	5.00
22/7/2015	-	Amber	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
22/1/2013	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2045	8:12	Claudy	Middle	2.5	27.80	27.80	07.70	8.15	8.15	0 4 5	25.03	25.03	25.04	73.9	74.3	74.0	5.07	5.09	E 07	3.37	3.35	2.00	3	2.00
25/7/2015	8:14	Cloudy	Middle	2.5	27.60	27.60	27.70	8.15	8.15	8.15	25.05	25.05	25.04	74.3	73.6	74.0	5.09	5.01	5.07	3.31	3.29	3.33	3	3.00

## Water Monitoring Result at RW21-P789 - Sun Hung Kai Centre Mid-Ebb Tide

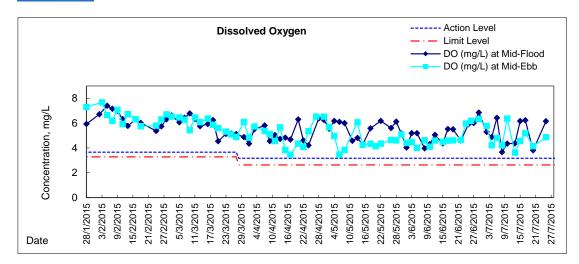
Date	Time	Weater	Samplin	ig Depth	Wat	er Temp	erature		pН			Salinit	у	C	O Satur	ation		DO			Turbid NTL			led Solids
		Condition	r	n	Va	lue	Average	Va	- Ilue	Average	Va	ppt ilue	Average	Va	llue %	Average	Va	mg/L lue	Average	Va	alue	Average	me Value	g/∟ Average
29/6/2015	9:45	Fine	Middle	3.0	29.30	29.30	29.45	8.35	8.35	8.37	24.22	24.22	24.24	88.7	86.7	88.3	5.92	5.78	5.90	3.80	3.75	3.72	8	8.00
	9:47		Middle	3.0	29.60	29.60	20.10	8.39	8.39	0.01	24.26	24.26	22.	89.2	88.7	00.0	5.96	5.92	0.00	3.64	3.68	0.12	8	0.00
2/7/2015	10:04	Fine	Middle	3.0	27.80	27.80	27.95	8.27	8.27	8.28	28.57	28.57	28.57	78.3	78.5	77.7	5.23	5.24	5.19	4.40	4.40	4.40	4	4.00
	10:06		Middle	3.0	28.10	28.10		8.28	8.28		28.56	28.56		76.5	77.4		5.10	5.17		4.41	4.40		4	
4/7/2015	13:49	Fine	Middle	3.0	28.70	28.70	29.10	8.26	8.26	8.23	29.50	29.50	29.46	83.8	77.7	79.7	5.46	5.06	5.19	2.30	2.33	2.34	2	2.00
	13:50		Middle	3.0	29.50	29.50		8.19	8.19		29.42	29.42		79.1	78.1		5.15	5.08		2.35	2.36		2	
6/7/2015	14:05	Fine	Middle	4.0	27.40	27.40	27.45	8.25	8.25	8.25	31.26	31.26	31.26	75.8	78.1	76.8	5.04	5.18	5.10	2.89	2.87	2.88	2	2.00
	14:07	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		2.87		2	<u> </u>																	
8/7/2015		Fine					50         8.25         8.25         31.26         31.26         76.2         77.2         5.06           30         26.35         8.29         8.29         8.30         32.49         32.49         32.48         66.4         67.3         67.6         4.46           40         8.30         8.30         32.46         32.46         32.46         68.2         68.1         4.58				4.54		2.63	2.61	4	4.00								
				$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		4.57			2.57		4													
10/7/2015	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		2.38	2.33	4	4.00																		
	18:41		Middle	3.0	26.47	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			2.29	2.22		4	<u> </u>											
13/7/2015	10:38	Fine	Middle	3.5	27.10	27.10	27.15	8.21	8.21	8.16	32.16	32.16	32.13	62.5	62.5	62.1	4.15	4.15	4.12	3.71	3.81	3.74	2	2.00
	10:40		Middle	3.5	27.20	27.20		8.11	8.11		32.10	32.10		62.0	61.2		4.12	4.06		3.79	3.65		2	
15/7/2015	11:42	Fine	Middle	3.5	27.60	27.60	27.70	8.24	8.24	8.24	31.70	31.70	31.68	67.8	68.5	67.8	4.47	4.52	4.47	3.46	3.49	3.38	4	3.00
	11:44		Middle	3.5	27.80	27.80		8.24	8.24		31.66	31.66		67.6	67.2		4.46	4.43		3.29	3.26		2	<u></u>
17/7/2015	10:37 10:39	Fine	Middle	3.5	27.30	27.30 27.40	27.35	8.21	8.21	8.22	31.83	31.83	31.83	72.9	71.4	73.6	4.83	4.78	4.89	4.13	4.07	4.07	5	4.00
	14:55		Middle	3.5 3.0	27.40 26.80	26.80		8.23 8.27	8.23 8.27		31.83 31.72	31.83 31.72		74.9 72.2	75.2 72.8		4.96 4.84	4.98 4.87		4.05 3.50	4.04 3.47		3	<u> </u>
20/7/2015	14:55	Cloudy	Middle	3.0	26.80	26.80	26.80	8.27	8.27	8.27	31.72	31.72	31.72	72.2	72.8	72.3	4.84	4.87	4.84	3.50	3.47	3.48	4	4.00
	-		Middle	3.0	20.00	20.80		0.21	0.27		-	31.72		-	-		4.03	4.03		3.41	3.49		-	$\left  \right $
22/7/2015	_	Amber Rainstorm	Middle	-	_	_		-	-		-	-		-	_		-	-			_	-	-	
	8:48		Middle	3.5	27.10	27.10		8.14	8.14		25.10	25.10		76.1	75.4		5.25	5.20		2.74	2.74		3	<u> </u>
25/7/2015	8:50	Cloudy	Middle	3.5	27.10	27.10	27.10	8.14	8.14	8.14	25.10	25.10	25.11	74.3	73.0	74.7	5.13	5.03	5.15	2.74	2.74	2.74	3	3.00
	0.00		Wilddie	0.0	21.10	27.10		3.14	0.14		20.11	20.11		74.0	10.0		0.10	5.00		2.17	2.14		ÿ	<u> </u>

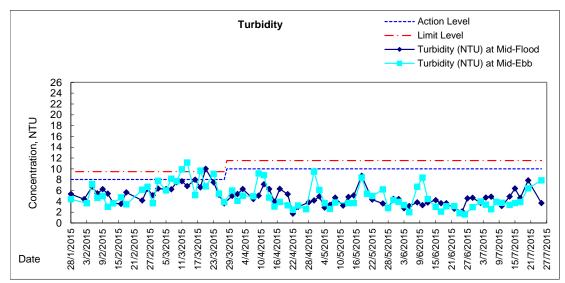
## Water Monitoring Result at WSD19 - Sheung Wan Mid-Ebb Tide

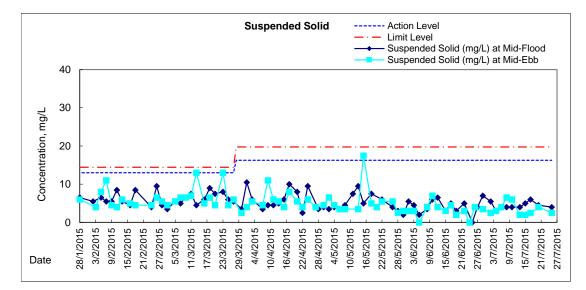
Date	Time	Weater Condition	Samplin	ig Depth	Wat	ter Temp	perature		pН			Salini ppt	ty	C	O Satur %	ation		DO ma/L			Turbid NTU		Suspend	ed Solids
		Condition	r	n	Va	lue	Average	Va	lue	Average	Va	ilue	Average	Va	lue	Average	Va	5	Average	Va		Average	Value	Average
29/6/2015	10:50	Fine	Middle	3.0	29.30	29.30	29.40	8.43	8.43	8.46	21.67	21.67	21.67	93.9	92.0	93.2	6.36	6.23	6.32	3.00	2.90	2.92	3	3.50
	10:52		Middle	3.0	29.50	29.50		8.49	8.49		21.67	21.67		92.7	94.3		6.27	6.43		2.89	2.88	-	4	
2/7/2015	11:06	Fine	Middle	3.5	29.00	29.00	29.15	8.34	8.34	8.37	26.00	26.00	26.00	87.0	87.5	86.9	5.78	5.81	5.77	3.94	3.94	3.96	2	2.50
	11:08		Middle	3.5	29.30	29.30		8.40	8.40		26.00	26.00		87.1	86.1		5.78	5.72		3.96	3.99		3	
4/7/2015	14:39	Fine	Middle	3.5	28.70	28.70	28.70	8.09	8.09	8.12	28.85	28.85	28.66	63.9	64.1	63.7	4.23	4.24	4.21	3.30	3.33	3.38	3	3.00
	14:41		Middle	3.5	28.70	28.70		8.14	8.14		28.46	28.46		63.6	63.2		4.21	4.17		3.43	3.44		3	
6/7/2015	13:25	Fine	Middle	3.5	27.20	27.20	27.55	8.27	8.27	8.22	30.67	30.67	30.69	74.3	71.7	72.5	4.94	4.75	4.80	2.54	2.52	2.53	4	4.00
	13:27		Middle	ddle         3.5         27.90         27.50         8.17         8.17         8.22           ddle         3.5         27.50         27.50         8.17         8.17         30.71           ddle         3.5         27.50         27.50         27.50         8.24         8.24         31.97		30.71	30.71		73.1	70.7		4.84	4.68		2.52	2.52		4						
8/7/2015	16:05	Fine	Middle	3.5	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		63.5	64.0	4.23	4.19	4.23	3.62	3.85	3.89	6	6.50								
	16:07		Middle	3.5	27.50	27.50		8.23	8.23		32.02	32.02		63.9	64.6		4.22	4.26		4.20	3.87		7	
10/7/2015	19:37	Cloudy	Middle	3.5	26.11	26.11	26.14	7.55	7.55	7.56	31.80	31.82	31.80	94.6	94.5	94.3	6.39	6.38	6.37	3.88	3.68	3.72	6	6.00
	19:38		Middle	3.5	26.17	26.17		7.56	7.56		31.80	31.79		94.2	94.0		6.37	6.35		3.63	3.70		6	
13/7/2015	9:27	Fine	Middle	3.5	27.70	27.70	27.85	8.24	8.24	8.23	31.91	31.91	31.94	53.6	55.7	54.9	3.53	3.67	3.62	3.50	3.49	3.34	2	2.00
	9:29		Middle	3.5	28.00	28.00		8.21	8.21		31.96	31.96		56.2	54.2		3.69	3.57		3.20	3.17		2	
15/7/2015	10:27	Fine	Middle	3.5	28.40	28.40	28.55	8.26	8.26	8.26	30.97	30.97	30.96	69.3	70.7	69.9	4.53	4.62	4.57	3.64	3.64	3.67	2	2.00
	10:29		Middle	3.5	28.70	28.70		8.26	8.26		30.94	30.94		69.7	69.8		4.56	4.55		3.68	3.70		2	
17/7/2015	11:50	Fine	Middle	3.5	27.30	27.30	27.35	8.26	8.26	8.26	30.47	30.47	30.48	78.4	77.3	77.8	5.23	5.16	5.19	4.06	4.00	3.88	2	2.50
	11:52		Middle	3.5	27.40	27.40		8.25	8.25		30.48	30.48		77.3	78.2		5.16	5.22		3.74	3.71		3	
20/7/2015	13:25	Cloudy	Middle	3.5	26.50	26.50	26.50	8.15	8.15	8.17	31.68	31.68	31.68	63.5	61.7	61.7	4.27	4.15	4.15	6.17	6.29	6.39	4	4.00
	13:27		Middle	3.5	26.50	26.50		8.18	8.18		31.68	31.68		60.3	61.1		4.05	4.11		6.42	6.68		4	
22/7/2015	-	Amber	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
	-	Rainstorm	Middle	-	-	-		-	-		-	-		-	-		-	-		-	-		-	
25/7/2015	6:45	Cloudy	Middle	3.5	27.40	27.40	27.45	7.59	7.59	7.68	24.77	24.77	24.76	71.2	71.3	70.7	4.90	4.90	4.86	7.98	8.00	7.87	2	2.50
	6:47	,	Middle	3.5	27.50	27.50		7.76	7.76		24.74	24.74		70.4	70.0		4.84	4.81		7.90	7.61	-	3	

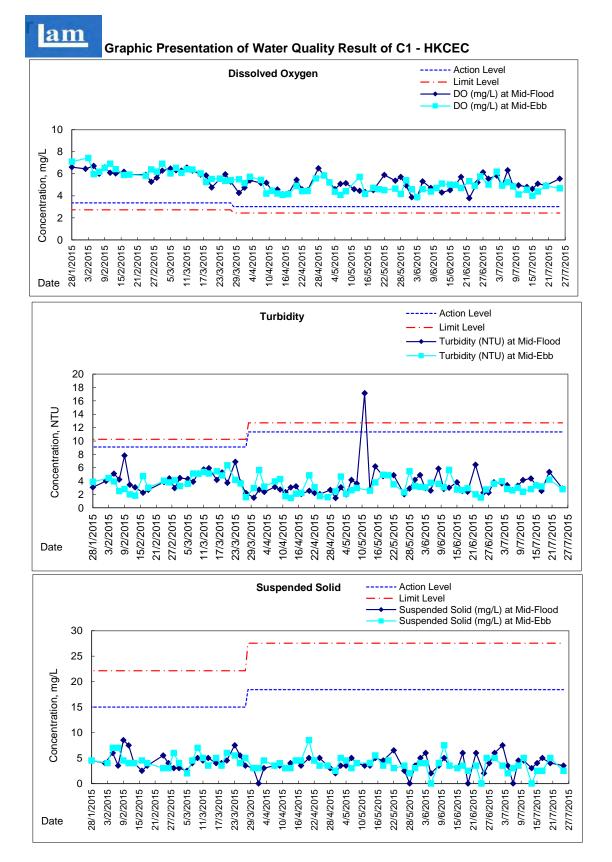


Graphic Presentation of Water Quality Result of WSD19 - Sheung Wan



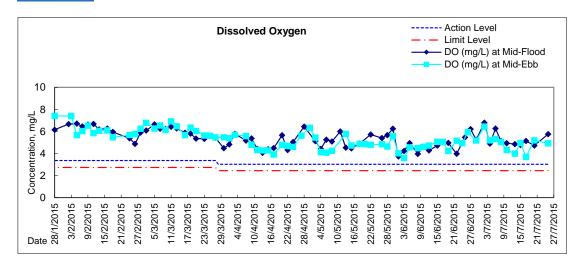


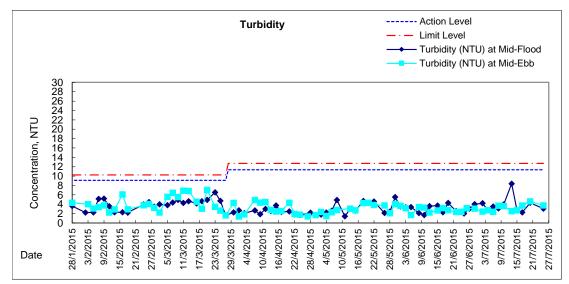


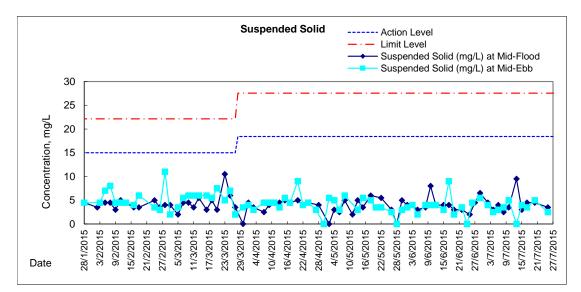




Graphic Presentation of Water Quality Result of P1 - HKCEC Phase I

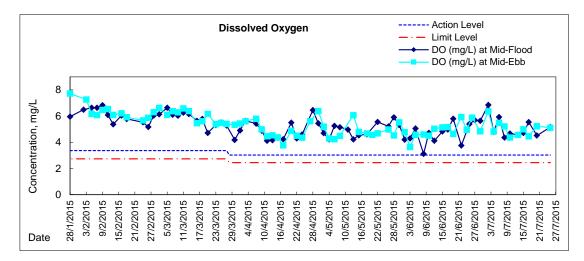


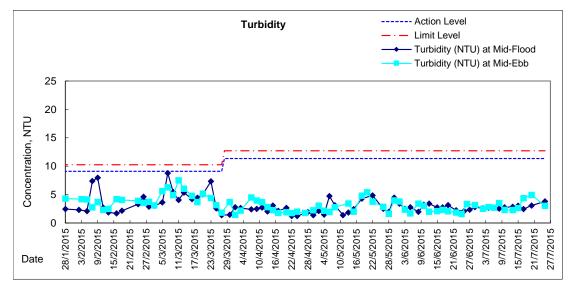


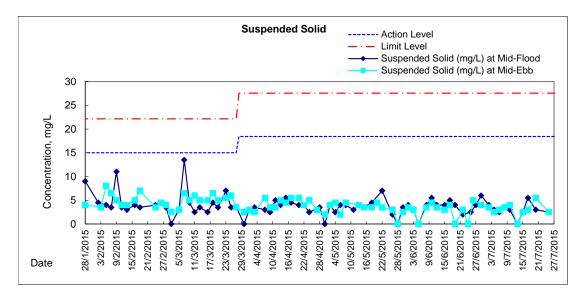




Graphic Presentation of Water Quality Result of P3 - APA

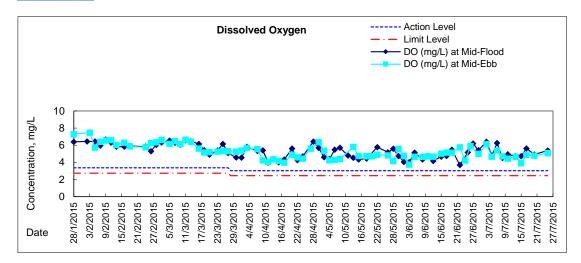


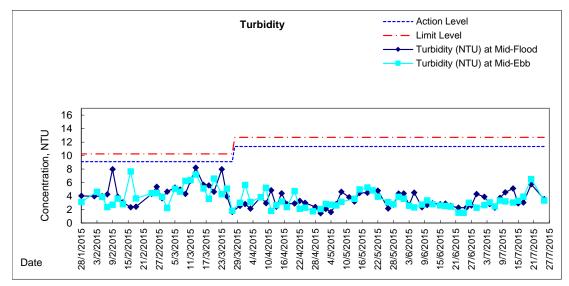


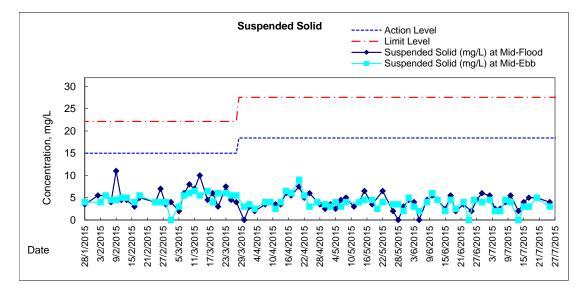




Graphic Presentation of Water Quality Result of P5 - WCT / RT / IT

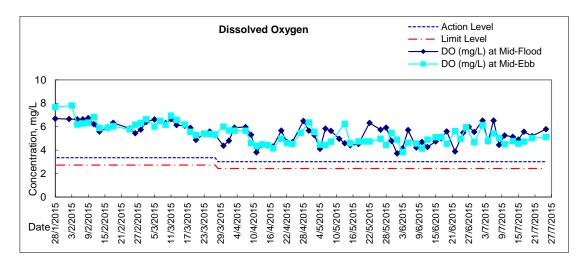


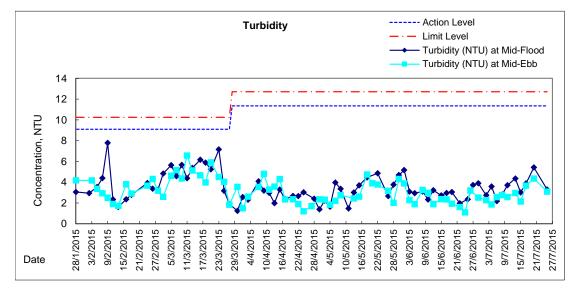


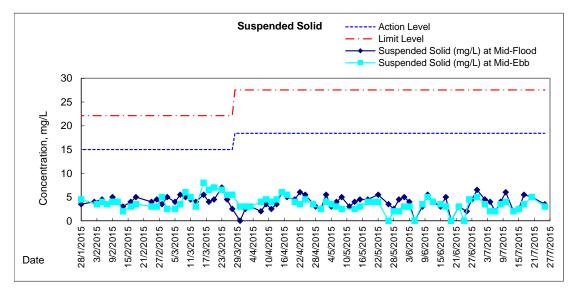




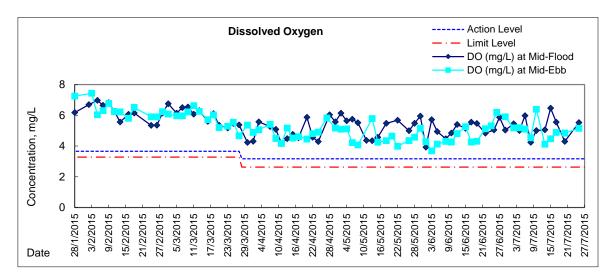
Graphic Presentation of Water Quality Result of P4 - SOC

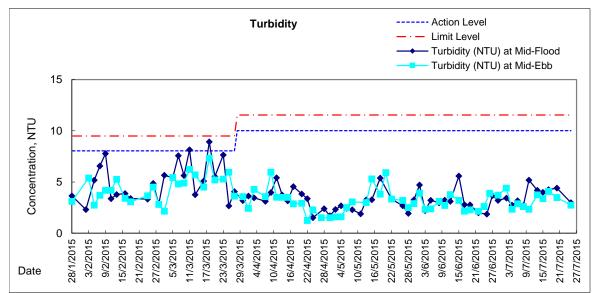


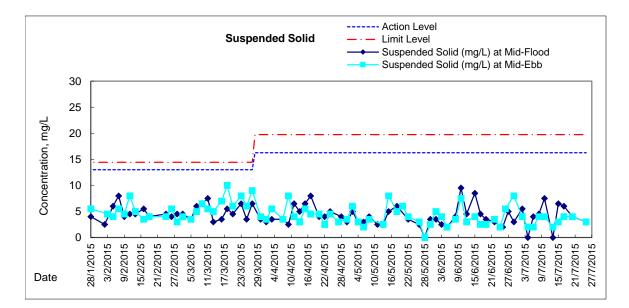




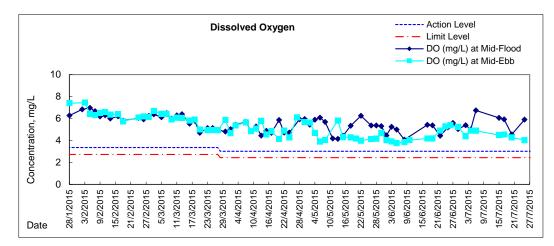
Graphic Presentation of Water Quality Result of RW21-P789 - GEC/CRC/SHK

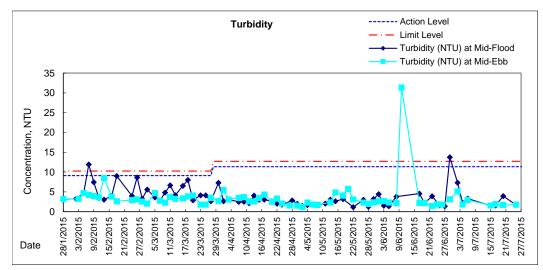


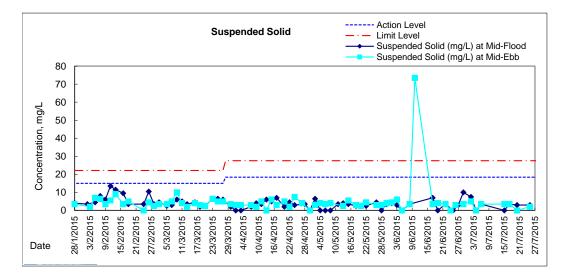




Graphic Presentation of Water Quality Result of C7 - Windsor House









	Time	Weater	Samplin	ig Depth	Wat	er Tem	perature		pН			Salinit	v	Г	O Satur	ation		DO	
Date	11110	Condition		n		°C ilue	Average	Va	- lue	Average	Va	ppt alue	Average		% lue	Average	Ve	mg/l alue	
			Surface	-	-	-			-	-	-	-		-	-		- 10	-	-
29/6/2015	17:36	Fine	Middle	1.5	28.90	28.90	28.9	8.35	8.35	8.4	22.34	22.34	22.3	79.9	82.1	81.0	5.44	5.58	5.51
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/7/2015	20:52	Fine	Middle	1.0	28.10	28.10	28.1	7.84	7.84	7.8	24.27	24.27	24.3	76.8	77.1	77.0	5.22	5.24	5.23
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/7/2015	22:10	Fine	Middle	1.5	27.40	27.40	27.4	8.14	8.14	8.1	28.31	28.31	28.3	65.9	67.8	66.9	4.45	4.58	4.52
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0/7/0015	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/7/2015	22:01	Cloudy	Middle	1.5 -	26.78 -	26.78 -	26.8	7.50	7.50	7.5	28.39	28.40	28.4	91.5	91.3 -	91.4 -	6.24	6.22	6.23
	-		Bottom Surface	-	-			-	-		-	-	-	-	-	-	-		
8/7/2015	11:28	Fine	Middle	1.5	25.90	25.90	25.9	8.21	8.21	8.2	30.94	30.94	30.9	66.0	66.3	66.2	4.50	4.52	4.51
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/7/2015	14:45	Fine	Middle	1.5	26.60	26.60	26.6	8.17	8.17	8.2	31.97	31.97	32.0	78.0	77.1	77.6	5.21	5.14	5.18
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/7/2015	15:40	Fine	Middle	1.5	28.90	28.90	28.9	8.18	8.18	8.2	31.06	31.06	31.1	65.3	65.8	65.6	4.22	4.25	4.24
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/7/2015	18:40	Cloudy	Middle	1.0	27.89	27.88	27.9	7.62	7.62	7.6	29.49	29.49	29.5	83.8	82.5	83.2	5.58	5.49	5.54
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17/7/2015	18:45	Cloudy	Middle	1.0	28.07	27.98	28.0	7.54	7.54	7.5	28.65	28.66	28.7	89.0	88.5	88.8	5.95	5.92	5.94
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20/7/2015	- 10:15	Cloudy	Surface Middle	- 1.5	- 26.40	- 26.40	- 26.4	- 8.00	- 8.00	8.0	- 31.14	- 31.14	- 31.1	- 71.0	- 70.8	- 70.9	4.80	- 4.79	- 4.80
20112010	-	Cioudy	Bottom	-	- 20.40	- 20.40	-	- 0.00	- 8.00	- 0.0	-	-	-	-	-	-	4.00	4.79	4.0
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22/7/2015	-	Amber Rainstorm	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	1101113101111	Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25/7/2015	0:03	Cloudy	Middle	1.0	27.72	27.71	27.7	7.92	7.92	7.9	23.83	23.75	23.8	87.5	86.5	87.0	5.99	5.96	5.9
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Remarks:

am

Water Monitoring Result at Ex-WPCWA SW - South-western corners of ex-Public Cargo Works Area Mid-Flood Tide

<table-container>          Date         Defect         Description         <thdescriptic a="" description<="" in="" th="">         Descriptin a descr</thdescriptic></table-container>		Mid-FI	ood Tide																	ı
Image: bord region         Image:	Date	Time		Samplin	ng Depth	Wat		perature						ty	C		ation			
3         4         5        5        <	Dato		Condition	r	m	Va		Average	Va		Average	Va	ppt ilue	Average	Va		Average	Va		Average
Image         Image <t< th=""><th></th><th>-</th><th></th><th>Surface</th><th>-</th><th>-</th><th>-</th><th>-</th><th>-</th><th></th><th></th><th>-</th><th>-</th><th></th><th>-</th><th>-</th><th>-</th><th>-</th><th></th><th>-</th></t<>		-		Surface	-	-	-	-	-			-	-		-	-	-	-		-
1         1         2         3         3         3         3         5        5        <	29/6/2015	17:25	Fine	Middle	1.5	28.40	28.40	28.4	8.43	8.43	8.4	21.60	21.60	21.6	77.5	77.1	77.3	5.33	5.31	5.32
<table-container>          12000         1200         &lt;</table-container>		-		Bottom	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
Image         Image <t< td=""><td></td><td>-</td><td></td><td>Surface</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></t<>		-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1         1	2/7/2015	20:29	Fine	Middle	1.0	27.90	27.90	27.9	8.21	8.21	8.2	13.77	13.77	13.8	61.0	62.3	61.7	4.45	4.51	4.48
14100         14100         1400         1700        <		-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Image bar		-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n         n	4/7/2015	20:05	Fine	Middle	1.0	27.70	27.60	27.7	8.20	8.18	8.2	16.95	16.94	16.9	41.7	42.0	41.9	2.97	2.99	<u>2.98</u>
1000         1000 <th< td=""><td></td><td>-</td><td></td><td>Bottom</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></th<>		-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
image bar		-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Normal         Surface         Surface <t< td=""><td>6/7/2015</td><td>0:03</td><td>Cloudy</td><td>Middle</td><td>1.5</td><td>26.72</td><td>26.72</td><td>26.7</td><td>7.48</td><td>7.48</td><td>7.5</td><td>25.01</td><td>25.01</td><td>25.0</td><td>82.6</td><td>80.5</td><td>81.6</td><td>5.75</td><td>5.60</td><td>5.68</td></t<>	6/7/2015	0:03	Cloudy	Middle	1.5	26.72	26.72	26.7	7.48	7.48	7.5	25.01	25.01	25.0	82.6	80.5	81.6	5.75	5.60	5.68
111         Pres         Made         1.5         5.4 </td <td></td> <td>-</td> <td></td> <td>Bottom</td> <td>-</td>		-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
image basis		-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/17/17/16         10/1	8/7/2015	11:14	Fine	Middle	1.5	25.40	25.40	25.4	8.24	8.24	8.2	31.11	31.11	31.1	60.0	59.4	59.7	4.12	4.07	4.10
10772010         14.30         Fue         Model         1.5         8.40         8.20		-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
India         Indidia         India         India		-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1         1         2         1	10/7/2015	14:30	Fine	Middle	1.5	26.10	26.10	26.1	8.24	8.24	8.2	32.04	32.04	32.0	60.9	61.8	61.4	4.10	4.17	4.14
13772014         1<		-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Image with transformed by t		-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1         2         Surface         1 </td <td>13/7/2015</td> <td>18:00</td> <td>Fine</td> <td>Middle</td> <td>1.5</td> <td>27.30</td> <td>27.30</td> <td>27.3</td> <td>8.23</td> <td>8.23</td> <td>8.2</td> <td>30.56</td> <td>30.56</td> <td>30.6</td> <td>58.3</td> <td>57.8</td> <td>58.1</td> <td>3.89</td> <td>3.86</td> <td>3.88</td>	13/7/2015	18:00	Fine	Middle	1.5	27.30	27.30	27.3	8.23	8.23	8.2	30.56	30.56	30.6	58.3	57.8	58.1	3.89	3.86	3.88
15772015         1110         2Load         Middle         1.0         2.8.12         2.8.1         7.60         7.6         1.4.6         1.4.6         1.4.6         6.1.6         6.1.6         6.4.6 <th< td=""><td></td><td>-</td><td></td><td>Bottom</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></th<>		-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Image with state with		-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	15/7/2015	19:15	Cloudy	Middle	1.0	28.12	28.12	28.1	7.60	7.58	7.6	14.65	14.64	14.6	65.1	64.1	64.6	4.66	4.61	4.64
1777/2015         19:30         Pertop         Midel         1.0         27.30         27.50         7.50		-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1         1	17/7/2015	19:30	Cloudy	Middle	1.0	27.53	27.53	27.5	7.50	7.50	7.5	22.90	22.90	22.9	77.6	77.2	77.4	5.39	5.37	5.38
20/7/2015         9:3         Cloud         Middle         1.5         27.0         27.0         27.0         8.41         8.41         8.40         1.85         1.85         1.50         1.50         1.50         1.15		-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1         1	20/7/2015	9:36	Cloudy	Middle	1.5	27.10	27.10	27.1	8.41	8.41	8.4	13.85	13.85	13.9	15.6	15.8	15.7	1.15	1.15	<u>1.15</u>
22/7/2015         Amber Rainsform         Amber Middle         Niddle         N		-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Normal Subscription         Surface         S.         S	22/7/2015	-		Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25/7/2015 2:19 Cloudy Middle 1.5 27.43 27.40 27.4 7.66 7.66 7.7 18.39 18.39 18.4 80.1 80.3 80.2 5.72 5.74 5.73		-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
- Bottom	25/7/2015	2:19	Cloudy	Middle	1.5	27.43	27.40	27.4	7.66	7.66	7.7	18.39	18.39	18.4	80.1	80.3	80.2	5.72	5.74	5.73
		-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

am

Water Monitoring Result at Ex-WPCWA SE - South-eastern corners of ex-Public Cargo Works Area Mid-Flood Tide

	IVIIA-FI	ood Tide																	
Date	Time	Weater	Samplir	ng Depth	Wat		perature		pН			Salini	ty	D	O Satur	ration		DO	
200		Condition		m	Va	°C ilue	Average	Va	- lue	Average	Va	ppt alue	Average	Va	% lue	Average	Va	mg/L lue	Average
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29/6/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-
2/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/7/2015	-	Cloudy	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/7/2015	-	Cloudy	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17/7/2015	-	Cloudy	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20/7/2015	-	Cloudy	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	Amber	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22/7/2015	-	Rainstorm	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0517/001-	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25/7/2015	-	Cloudy	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Water Monitoring Result at C6 - Excelsior Hotel Mid-Ebb Tide

Date	Time	Weater Condition	Samplin	g Depth	Wat	er Temp ℃	oerature		pH -			Salinit ppt	у	C	O Satur %	ation		DO mg/L	
		Condition	n	n	Va	ilue	Average	Va	lue	Average	Va	alue	Average	Va	lue	Average	Va	lue	Average
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29/6/2015	10:10	Fine	Middle	2	28.70	28.70	28.7	8.31	8.31	8.3	23.63	23.63	23.6	76.6	76.9	76.8	5.18	5.20	5.19
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/7/2015	10:25	Fine	Middle	2	28.20	28.20	28.2	8.22	8.22	8.2	25.79	25.79	25.8	74.8	74.7	74.8	5.04	5.08	5.06
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/7/2015	14:09	Fine	Middle	2	28.00	28.00	28.0	7.94	7.94	7.9	27.21	27.21	27.2	57.5	55.1	56.3	3.86	3.69	3.78
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	ļ	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/7/2015	14:40	Fine	Middle	2	26.90	26.90	26.9	8.13	8.13	8.1	30.31	30.31	30.3	71.8	72.0	71.9	4.83	4.83	4.83
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/7/2015	17:35	Fine	Middle	2	26.10	26.10	26.1	8.22	8.22	8.2	31.34	31.34	31.3	63.7	65.9	64.8	4.32	4.47	4.40
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/7/2015	18:15	Cloudy	Middle	2	26.78	26.78	26.8	7.62	7.62	7.6	31.51	31.51	31.5	94.5	95.0	94.8	6.27	6.32	6.30
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/7/2015	11:00	Fine	Middle	2	27.40	27.40	27.4	8.15	8.15	8.2	31.26	31.26	31.3	52.1	51.8	52.0	3.46	3.44	3.45
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/7/2015	12:05	Fine	Middle	2	28.20	28.20	28.2	8.12	8.12	8.1	28.91	28.91	28.9	58.8	58.6	58.7	3.89	3.84	3.87
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17/7/2015	10:55	Fine	Middle	2	27.20	27.20	27.2	8.19	8.19	8.2	30.91	30.91	30.9	74.7	73.7	74.2	4.99	4.92	4.96
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20/7/2015	15:45	Cloudy	Middle	2	26.70	26.70	26.7	8.16	8.16	8.2	28.42	28.42	28.4	61.1	59.4	60.3	4.18	4.08	4.13
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22/7/2015	-	Amber Rainstorm	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25/7/2015	9:10	Cloudy	Middle	2	27.10	27.10	27.1	8.02	8.02	8.0	24.13	24.13	24.1	63.6	61.6	62.6	4.42	4.29	4.36
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

am

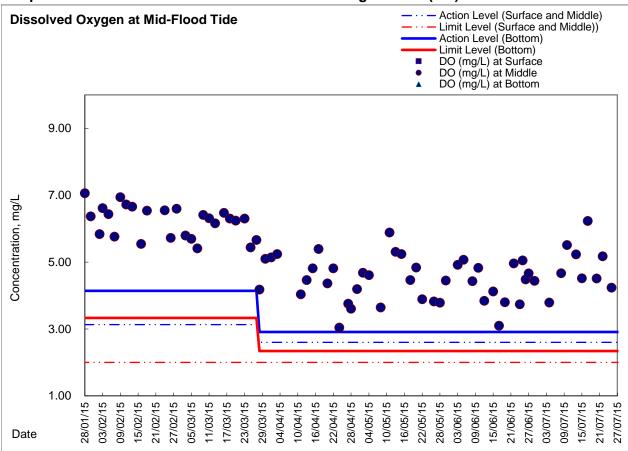
## Water Monitoring Result at Ex-WPCWA SW - South-western corners of ex-Public Cargo Works Area Mid-Ebb Tide

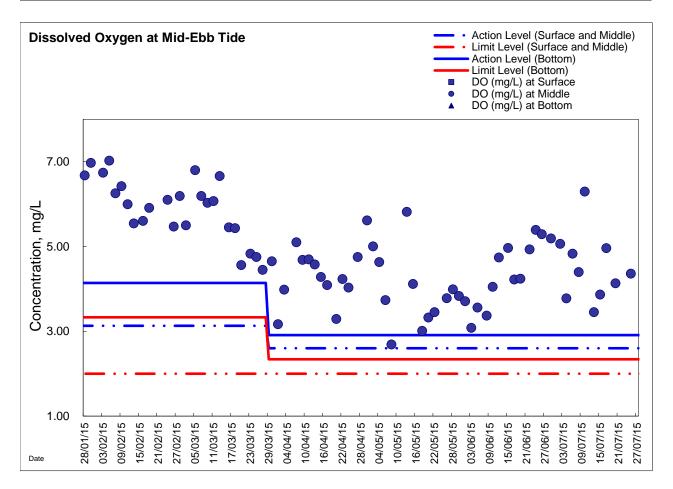
	Time	Weater	Samplin	g Depth	Wat	er Tem	perature	_	pН			Salinit	v	г	00 Satur	ation		DO	
Date		Condition	n			°C ilue	Average	Va	- alue	Average	Va	ppt alue	Average		% alue	Average	Va	mg/L	
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29/6/2015	9:55	Fine	Middle	1.5	28.70	28.70	28.7	8.37	8.37	8.4	23.09	23.09	23.1	89.3	90.0	89.7	6.06	6.10	6.08
	-	İ	Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/7/2015	10:10	Fine	Middle	1.5	27.00	27.00	27.0	8.24	8.24	8.2	25.99	25.99	26.0	64.3	65.7	65.0	3.73	3.82	3.78
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/7/2015	13:55	Fine	Middle	1.5	27.50	27.50	27.5	8.26	8.26	8.3	14.60	14.60	14.6	25.1	24.9	25.0	1.82	1.80	<u>1.81</u>
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/7/2015	14:25	Fine	Middle	1.5	27.10	27.10	27.1	8.23	8.23	8.2	26.29	26.29	26.3	72.6	73.0	72.8	4.92	4.99	4.96
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/7/2015	17:23	Fine	Middle	1.5	25.60	25.60	25.6	8.26	8.26	8.3	30.92	30.92	30.9	54.6	53.1	53.9	3.74	3.63	3.69
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/7/2015	18:50	Cloudy	Middle	1.5	26.36	26.36	26.4	7.62	7.62	7.6	24.23	24.23	24.2	81.1	82.4	81.8	5.71	5.79	5.75
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/7/2015	10:45	Fine	Middle	1.5	27.00	27.00	27.0	8.19	8.19	8.2	30.68	30.68	30.7	49.9	50.3	50.1	3.35	3.37	3.36
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/7/2015	11:52	Fine	Middle	1.5	27.50	27.50	27.5	8.20	8.20	8.2	27.66	27.65	27.7	38.9	39.6	39.3	2.63	2.67	<u>2.65</u>
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	_	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17/7/2015	10:45	Fine	Middle	1.5	27.10	27.10	27.1	8.18	8.18	8.2	30.75	30.75	30.8	61.1	61.1	61.1	4.09	4.09	4.09
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20/7/2015	-	01-	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20/7/2015	15:05	Cloudy	Middle	1.5	26.70	26.70	26.7	8.36	8.36	8.4	24.67	24.67	24.7	50.3	50.4	50.4	3.51	3.52	3.52
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22/7/2015	-	Amber	Surface Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22/1/2013	-	Rainstorm		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25/7/2015	- 8:58	Cloudy	Surface Middle	-	- 26.80	- 26.80	26.8	- 8.24	- 8.24	8.2	- 13.97	- 13.97	- 14.0	- 50.7	49.7	50.2	- 3.75	- 3.68	3.72
23/1/2013	8:58	Cioudy		1.5	- 26.80	- 26.80	- 26.8	8.24	8.24	8.2	- 13.97	13.97	- 14.0	- 50.7	49.7	- 50.2	3.75		- 3.72
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Date	Time	Weater	Samplin	ng Depth	Wat	er Temp	perature		pН			Salini	ty	C	O Satur	ation		DO	
Date		Condition	r	n	Va	°C Ilue	Average	Va	- lue	Average	Va	ppt ilue	Average	Va	% ilue	Average	Va	mg/L ilue	Average
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29/6/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	ļ	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	ļ	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/7/2015	-	Cloudy	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
47/7/0047	-		Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17/7/2015	-	Fine	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20/7/2045	-	Claurtu	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20/7/2015	-	Cloudy	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00/7/0045	-	Amber	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22/7/2015	-	Rainstorm	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05/7/0045	-	Claurtu	Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25/7/2015	-	Cloudy	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-		Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



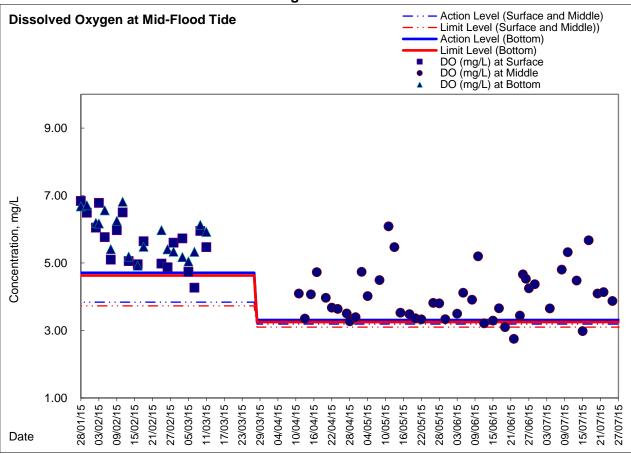
#### Graphic Presentation of Enhanced Water Monitoring Results (DO) at C6 - Excelsior Hotel

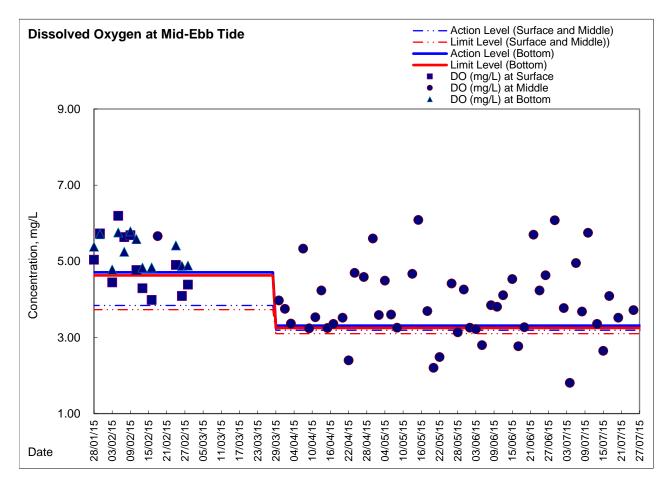






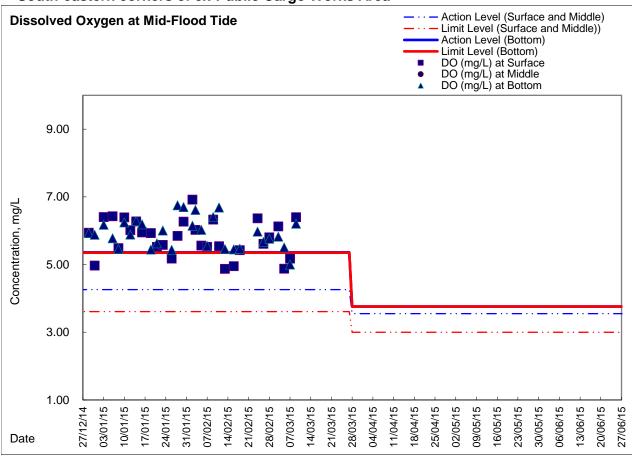
# Graphic Presentation of Enhanced Water Monitoring Results (DO) at Ex-WPCWA SW - South-western corners of ex-Public Cargo Works Area

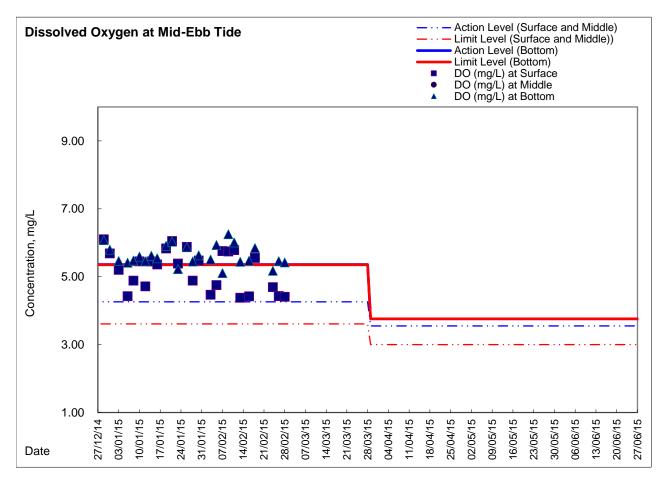






# Graphic Presentation of Enhanced Water Monitoring Results (DO) at Ex-WPCWA SE - South-eastern corners of ex-Public Cargo Works Area







Appendix 5.5

Real-time Noise Monitoring Results and Graphical Presentations

Real-time Noise Data	RTN2a (Hong Kong Electric Cent				
Normal Day 07:00-19:00	4/7/2015 12:01 65	9/7/2015 18:31 61	15/7/2015 13:01 62	21/7/2015 7:31 66	25/7/2015 14:01 65
	4/7/2015 12:31 64	10/7/2015 7:01 63	15/7/2015 13:31 64	21/7/2015 8:01 65	25/7/2015 14:31 59
	4/7/2015 13:01 66	10/7/2015 7:31 64	15/7/2015 14:01 64	21/7/2015 8:31 66	25/7/2015 15:01 57
29/6/2015 7:01 63	4/7/2015 13:31 69	10/7/2015 8:01 67	15/7/2015 14:31 62	21/7/2015 9:01 66	25/7/2015 15:31 67
29/6/2015 7:31 64	4/7/2015 14:01 67	10/7/2015 8:31 73	15/7/2015 15:01 65	21/7/2015 9:31 67	25/7/2015 16:01 56
29/6/2015 8:01 69	4/7/2015 14:31 70	10/7/2015 9:01 74	15/7/2015 15:31 57	21/7/2015 10:01 66	25/7/2015 16:31 57
29/6/2015 8:31 74	4/7/2015 15:01 69	10/7/2015 9:31 70	15/7/2015 16:01 64	21/7/2015 10:31 67	25/7/2015 17:01 67
29/6/2015 9:01 74	4/7/2015 15:31 69	10/7/2015 10:01 71	15/7/2015 16:31 65	21/7/2015 11:01 56	25/7/2015 17:31 67
29/6/2015 9:31 71	4/7/2015 16:01 68	10/7/2015 10:31 67	15/7/2015 17:01 61	21/7/2015 11:31 67	25/7/2015 18:01 67
29/6/2015 10:01 70	4/7/2015 16:31 69	10/7/2015 11:01 66	15/7/2015 17:31 53	21/7/2015 12:01 65	25/7/2015 18:31 65
29/6/2015 10:31 74	4/7/2015 17:01 70	10/7/2015 11:31 59	15/7/2015 18:01 67	21/7/2015 12:31 65	27/7/2015 7:01 63
29/6/2015 11:01 73	4/7/2015 17:31 68	10/7/2015 12:01 65	15/7/2015 18:31 67	21/7/2015 13:01 62	27/7/2015 7:31 63
29/6/2015 11:31 71	4/7/2015 18:01 63	10/7/2015 12:31 65	16/7/2015 7:01 63	21/7/2015 13:31 61	27/7/2015 8:01 65
29/6/2015 12:01 69	4/7/2015 18:31 65	10/7/2015 13:01 66	16/7/2015 7:31 64	21/7/2015 14:01 60	27/7/2015 8:31 62
29/6/2015 12:31 65	6/7/2015 7:01 62	10/7/2015 13:31 72	16/7/2015 8:01 65	21/7/2015 14:31 67	27/7/2015 9:01 63
29/6/2015 13:01 70	6/7/2015 7:31 63	10/7/2015 14:01 69	16/7/2015 8:31 67	21/7/2015 15:01 54	27/7/2015 9:31 65
29/6/2015 13:31 72	6/7/2015 8:01 56	10/7/2015 14:31 67	16/7/2015 9:01 66	21/7/2015 15:31 67	27/7/2015 10:01 67
29/6/2015 14:01 70	6/7/2015 8:31 60	10/7/2015 15:01 67	16/7/2015 9:31 66	21/7/2015 16:01 54	27/7/2015 10:31 67
29/6/2015 14:31 71	6/7/2015 9:01 68	10/7/2015 15:31 64	16/7/2015 10:01 66	21/7/2015 16:31 64	27/7/2015 11:01 57
29/6/2015 15:01 68	6/7/2015 9:31 73	10/7/2015 16:01 61	16/7/2015 10:31 66	21/7/2015 17:01 62	27/7/2015 11:31 57
29/6/2015 15:31 69	6/7/2015 10:01 73	10/7/2015 16:31 62	16/7/2015 11:01 67	21/7/2015 17:31 67	27/7/2015 12:01 65
29/6/2015 16:01 72	6/7/2015 10:31 72	10/7/2015 17:01 56	16/7/2015 11:31 66	21/7/2015 18:01 65	27/7/2015 12:31 65
29/6/2015 16:31 70	6/7/2015 11:01 72	10/7/2015 17:31 67	16/7/2015 12:01 64	21/7/2015 18:31 64	27/7/2015 13:01 61
29/6/2015 17:01 71	6/7/2015 11:31 69	10/7/2015 18:01 66	16/7/2015 12:31 65	22/7/2015 7:01 64	27/7/2015 13:31 65
29/6/2015 17:31 72	6/7/2015 12:01 67	10/7/2015 18:31 66	16/7/2015 13:01 67	22/7/2015 7:31 67	27/7/2015 14:01 64
29/6/2015 18:01 74	6/7/2015 12:31 66	11/7/2015 7:01 62	16/7/2015 13:31 57	22/7/2015 8:01 66	27/7/2015 14:31 65
29/6/2015 18:31 68	6/7/2015 13:01 69	11/7/2015 7:31 63	16/7/2015 14:01 59	22/7/2015 8:31 62	27/7/2015 15:01 64
30/6/2015 7:01 63	6/7/2015 13:31 72	11/7/2015 8:01 61	16/7/2015 14:31 67	22/7/2015 9:01 63	27/7/2015 15:31 63
30/6/2015 7:31 64	6/7/2015 14:01 72	11/7/2015 8:31 64	16/7/2015 15:01 67	22/7/2015 9:31 59	27/7/2015 16:01 65
30/6/2015 8:01 73	6/7/2015 14:31 72	11/7/2015 9:01 63	16/7/2015 15:31 67	22/7/2015 10:01 67	27/7/2015 16:31 64
30/6/2015 8:31 73	6/7/2015 15:01 72	11/7/2015 9:31 60	16/7/2015 16:01 49	22/7/2015 10:31 67	27/7/2015 17:01 63
30/6/2015 9:01 71	6/7/2015 15:31 71	11/7/2015 10:01 61	16/7/2015 16:31 67	22/7/2015 11:01 61	27/7/2015 17:31 52
30/6/2015 9:31 71	6/7/2015 16:01 71	11/7/2015 10:31 64	16/7/2015 17:01 66	22/7/2015 11:31 59	27/7/2015 18:01 60
30/6/2015 10:01 71	6/7/2015 16:31 71	11/7/2015 11:01 63	16/7/2015 17:31 67	22/7/2015 12:01 62	27/7/2015 18:31 66
30/6/2015 10:31 72	6/7/2015 17:01 70	11/7/2015 11:31 53	16/7/2015 18:01 67	22/7/2015 12:31 63	
30/6/2015 11:01 71	6/7/2015 17:31 67	11/7/2015 12:01 63	16/7/2015 18:31 59	22/7/2015 13:01 61	Normal Day 19:00-23:00, Sunday & Holiday
30/6/2015 11:31 70	6/7/2015 18:01 65	11/7/2015 12:31 64	17/7/2015 7:01 64	22/7/2015 13:31 64	Sunday & Holiday
30/6/2015 12:01 67	6/7/2015 18:31 64	11/7/2015 13:01 61	17/7/2015 7:31 66	22/7/2015 14:01 66	07:00-23:00
30/6/2015 12:31 69	7/7/2015 7:01 63	11/7/2015 13:31 63	17/7/2015 8:01 66	22/7/2015 14:31 63	
30/6/2015 13:01 71	7/7/2015 7:31 64	11/7/2015 14:01 67	17/7/2015 8:31 57	22/7/2015 15:01 62	28/6/2015 7:01 61
30/6/2015 13:31 70	7/7/2015 8:01 67	11/7/2015 14:31 67	17/7/2015 9:01 57	22/7/2015 15:31 64	28/6/2015 7:06 61
30/6/2015 14:01 68	7/7/2015 8:31 68	11/7/2015 15:01 66	17/7/2015 9:31 59 17/7/2015 10:01 66	22/7/2015 16:01 66	28/6/2015 7:11 61
30/6/2015 14:31 68	7/7/2015 9:01 66	11/7/2015 15:31 67	17/7/2015 10:01 66	22/7/2015 16:31 64	28/6/2015 7:16 61
30/6/2015 15:01 70	7/7/2015 9:31 63	11/7/2015 16:01 64	17/7/2015 10:31 67	22/7/2015 17:01 60	28/6/2015 7:21 62
30/6/2015 15:31 69	7/7/2015 10:01 66	11/7/2015 16:31 66	17/7/2015 11:01 59	22/7/2015 17:31 55	28/6/2015 7:26 62 28/6/2015 7:31 62
30/6/2015 16:01 70	7/7/2015 10:31 65	11/7/2015 17:01 66	17/7/2015 11:31 66	22/7/2015 18:01 66	28/6/2015 7:31 62
30/6/2015 16:31 71	7/7/2015 11:01 64	11/7/2015 17:31 67	17/7/2015 12:01 65	22/7/2015 18:31 67	28/6/2015 7:36 61
30/6/2015 17:01 70	7/7/2015 11:31 66	11/7/2015 18:01 60	17/7/2015 12:31 67	23/7/2015 7:01 63	28/6/2015 7:41 62
30/6/2015 17:31 70	7/7/2015 12:01 64	11/7/2015 18:31 63	17/7/2015 13:01 61	23/7/2015 7:31 64	28/6/2015 7:46 62
30/6/2015 17:31 70	7/7/2015 12:01 64	11/7/2015 18:31 63	17/7/2015 13:01 61	23/7/2015 7:31 64	28/6/2015 7:51 61
30/6/2015 18:01 70	7/7/2015 12:31 65	13/7/2015 7:01 63	17/7/2015 13:31 64	23/7/2015 8:01 64	
30/6/2015 18:31 57	7/7/2015 13:01 62	13/7/2015 7:31 63	17/7/2015 14:01 63	23/7/2015 8:31 63	28/6/2015 7:56 61
2/7/2015 7:01 63	7/7/2015 13:31 68	13/7/2015 8:01 65		23/7/2015 9:01 67	28/6/2015 8:01 62
2/7/2015 7:01 63	7/7/2015 13:31 68	13/7/2015 8:01 65	17/7/2015 14:31 53	23/7/2015 9:01 67	28/6/2015 8:01 62
2/7/2015 7:31 63	7/7/2015 14:01 69	13/7/2015 8:31 66	17/7/2015 15:01 64	23/7/2015 9:31 67	28/6/2015 8:06 62
2/7/2015 8:01 69 2/7/2015 8:31 73	7/7/2015 14:31 69	13/7/2015 9:01 59	17/7/2015 15:31 63	23/7/2015 10:01 66	28/6/2015 8:11 48 28/6/2015 8:16 50
2/7/2015 9:01 73	7/7/2015 15:01 69 7/7/2015 15:31 63	13/7/2015 9:31 61 13/7/2015 10:01 67	17/7/2015 16:01 62 17/7/2015 16:31 61	23/7/2015 10:31 67 23/7/2015 11:01 67	28/6/2015 8:21 62
2/7/2015 9:31 73	7/7/2015 16:01 70	13/7/2015 10:31 49	17/7/2015 17:01 60	23/7/2015 11:31 67	28/6/2015 8:26 62
2/7/2015 10:01 72	7/7/2015 16:31 63	13/7/2015 11:01 60	17/7/2015 17:31 57	23/7/2015 12:01 65	28/6/2015 8:31 62
2/7/2015 10:31 71	7/7/2015 17:01 52	13/7/2015 11:31 67	17/7/2015 18:01 67	23/7/2015 12:31 66	28/6/2015 8:36 51
2/7/2015 11:01 72	7/7/2015 17:31 57	13/7/2015 12:01 63	17/7/2015 18:31 66	23/7/2015 13:01 67	28/6/2015 8:41 62
2/7/2015 11:31 71	7/7/2015 18:01 61	13/7/2015 12:31 62	18/7/2015 7:01 62	23/7/2015 13:31 55	28/6/2015 8:46 51
2/7/2015 12:01 70	7/7/2015 18:31 60	13/7/2015 13:01 66	18/7/2015 7:31 62	23/7/2015 14:01 44	28/6/2015 8:51 50
2/7/2015 12:31 67	8/7/2015 7:01 62	13/7/2015 13:31 67	18/7/2015 8:01 66	23/7/2015 14:31 67	28/6/2015 8:56 51
2/7/2015 13:01 72	8/7/2015 7:31 62	13/7/2015 14:01 61	18/7/2015 8:31 63	23/7/2015 15:01 67	28/6/2015 9:01 54
2/7/2015 13:31 71	8/7/2015 8:01 64	13/7/2015 14:31 62	18/7/2015 9:01 60	23/7/2015 15:31 66	28/6/2015 9:06 43
2/7/2015 14:01 68	8/7/2015 8:31 56	13/7/2015 15:01 67	18/7/2015 9:31 56	23/7/2015 16:01 66	28/6/2015 9:11 49
2/7/2015 14:31 71	8/7/2015 9:01 64	13/7/2015 15:31 67	18/7/2015 10:01 61	23/7/2015 16:31 66	28/6/2015 9:16 53
2/7/2015 15:01 72	8/7/2015 9:31 65	13/7/2015 16:01 66	18/7/2015 10:31 62	23/7/2015 17:01 66	28/6/2015 9:21 53
2/7/2015 15:31 72	8/7/2015 10:01 59	13/7/2015 16:31 67	18/7/2015 11:01 62	23/7/2015 17:31 66	28/6/2015 9:26 51
2/7/2015 16:01 66	8/7/2015 10:31 67	13/7/2015 17:01 66	18/7/2015 11:31 67	23/7/2015 18:01 64	28/6/2015 9:31 55
2/7/2015 16:31 65	8/7/2015 11:01 62	13/7/2015 17:31 66	18/7/2015 12:01 64	23/7/2015 18:31 64	28/6/2015 9:36 50
2/7/2015 17:01 69	8/7/2015 11:31 59	13/7/2015 18:01 64	18/7/2015 12:31 64	24/7/2015 7:01 65	28/6/2015 9:41 54
2/7/2015 17:31 71	8/7/2015 12:01 63	13/7/2015 18:31 66	18/7/2015 13:01 67	24/7/2015 7:31 65	28/6/2015 9:46 52
2/7/2015 18:01 65	8/7/2015 12:31 64	14/7/2015 7:01 62	18/7/2015 13:31 55	24/7/2015 8:01 61	28/6/2015 9:51 56
2/7/2015 18:31 65	8/7/2015 13:01 61	14/7/2015 7:31 64	18/7/2015 14:01 54	24/7/2015 8:31 71	28/6/2015 9:56 55
3/7/2015 7:01 62	8/7/2015 13:31 65	14/7/2015 8:01 65	18/7/2015 14:31 57	24/7/2015 9:01 63	28/6/2015 10:01 58
3/7/2015 7:31 63	8/7/2015 14:01 60	14/7/2015 8:31 66	18/7/2015 15:01 56	24/7/2015 9:31 68 24/7/2015 10:01 67	28/6/2015 10:06 64
3/7/2015 8:01 66	8/7/2015 14:31 58	14/7/2015 9:01 58	18/7/2015 15:31 67	24/7/2015 10:01 67	28/6/2015 10:11 65
3/7/2015 8:31 68	8/7/2015 15:01 66	14/7/2015 9:31 67	18/7/2015 16:01 67		28/6/2015 10:16 53
3/7/2015 9:01 54	8/7/2015 15:31 66	14/7/2015 10:01 67	18/7/2015 16:31 62	24/7/2015 11:01 66	28/6/2015 10:21 59
3/7/2015 9:31 70	8/7/2015 16:01 67	14/7/2015 10:31 50	18/7/2015 17:01 62	24/7/2015 11:31 67	28/6/2015 10:26 53
3/7/2015 10:01 72	8/7/2015 16:01 67 8/7/2015 16:31 67	14/7/2015 10:51 50	18/7/2015 17:31 51	24/7/2015 11:31 67	28/6/2015 10:20 55
3/7/2015 10:31 73	8/7/2015 17:01 52	14/7/2015 11:31 67	18/7/2015 18:01 66	24/7/2015 12:31 59	28/6/2015 10:36 65
3/7/2015 11:01 72	8/7/2015 17:31 60	14/7/2015 12:01 63	18/7/2015 18:31 66	24/7/2015 13:01 65	28/6/2015 10:41 51
3/7/2015 11:31 73	8/7/2015 18:01 61	14/7/2015 12:31 63	20/7/2015 7:01 62	24/7/2015 13:31 68	28/6/2015 10:41 51
3/7/2015 12:01 69	8/7/2015 18:31 66	14/7/2015 13:01 66	20/7/2015 7:31 63	24/7/2015 14:01 68	28/6/2015 10:51 55
3/7/2015 12:31 71	9/7/2015 7:01 62	14/7/2015 13:31 58	20/7/2015 8:01 64	24/7/2015 14:31 65	28/6/2015 10:56 53
3/7/2015 13:01 68	9/7/2015 7:31 63	14/7/2015 14:01 61	20/7/2015 8:31 48	24/7/2015 15:01 67	28/6/2015 11:01 51
3/7/2015 13:31 71	9/7/2015 8:01 57	14/7/2015 14:31 67	20/7/2015 9:01 58	24/7/2015 15:31 61	28/6/2015 11:06 55
3/7/2015 14:01 70	9/7/2015 8:31 65	14/7/2015 15:01 67	20/7/2015 9:31 67	24/7/2015 16:01 63	28/6/2015 11:11 47
3/7/2015 14:31 69	9/7/2015 9:01 61	14/7/2015 15:31 67	20/7/2015 10:01 58	24/7/2015 16:31 61	28/6/2015 11:16 53
3/7/2015 15:01 70	9/7/2015 9:31 60	14/7/2015 16:01 67	20/7/2015 10:31 56	24/7/2015 17:01 64	28/6/2015 11:21 62
3/7/2015 15:31 71	9/7/2015 10:01 55	14/7/2015 16:31 67	20/7/2015 11:01 47	24/7/2015 17:31 64	28/6/2015 11:26 62
3/7/2015 16:01 70	9/7/2015 10:31 53	14/7/2015 17:01 59	20/7/2015 11:31 62	24/7/2015 18:01 65	28/6/2015 11:31 61
3/7/2015 16:31 70	9/7/2015 11:01 62	14/7/2015 17:31 53	20/7/2015 12:01 65	24/7/2015 18:31 67	28/6/2015 11:36 61
3/7/2015 17:01 72	9/7/2015 11:31 67	14/7/2015 18:01 66	20/7/2015 12:31 64	25/7/2015 7:01 63	28/6/2015 11:41 61
3/7/2015 17:31 70	9/7/2015 12:01 65	14/7/2015 18:31 66	20/7/2015 13:01 67	25/7/2015 7:31 63	28/6/2015 11:46 49
3/7/2015 18:01 68	9/7/2015 12:31 65	15/7/2015 7:01 63	20/7/2015 13:31 57	25/7/2015 8:01 65	28/6/2015 11:51 61
3/7/2015 18:31 53	9/7/2015 13:01 61	15/7/2015 7:31 65	20/7/2015 14:01 63	25/7/2015 8:31 61	28/6/2015 11:56 62
4/7/2015 7:01 63	9/7/2015 13:31 62	15/7/2015 8:01 66	20/7/2015 14:31 61	25/7/2015 9:01 63	28/6/2015 12:01 61
4/7/2015 7:31 64	9/7/2015 14:01 63	15/7/2015 8:31 55	20/7/2015 15:01 60	25/7/2015 9:31 63	28/6/2015 12:06 61
4/7/2015 8:01 68	9/7/2015 14:31 67	15/7/2015 9:01 60	20/7/2015 15:31 56	25/7/2015 10:01 59	28/6/2015 12:11 61
4/7/2015 8:31 71	9/7/2015 15:01 65	15/7/2015 9:31 57	20/7/2015 16:01 67	25/7/2015 10:31 63	28/6/2015 12:16 61
4/7/2015 9:01 72	9/7/2015 15:31 69	15/7/2015 10:01 61	20/7/2015 16:31 67	25/7/2015 11:01 64	28/6/2015 12:21 61
4/7/2015 9:31 67	9/7/2015 16:01 64	15/7/2015 10:31 61	20/7/2015 17:01 63	25/7/2015 11:31 63	28/6/2015 12:26 62
4/7/2015 10:01 70	9/7/2015 16:31 62	15/7/2015 11:01 66	20/7/2015 17:31 66	25/7/2015 12:01 65	28/6/2015 12:31 62
4/7/2015 10:31 69	9/7/2015 17:01 62	15/7/2015 11:31 62	20/7/2015 18:01 65	25/7/2015 12:31 66	28/6/2015 12:36 43
4/7/2015 11:01 70	9/7/2015 17:31 62	15/7/2015 12:01 66	20/7/2015 18:31 64	25/7/2015 13:01 58	28/6/2015 12:41 62
4/7/2015 11:31 57	9/7/2015 18:01 62	15/7/2015 12:31 67	21/7/2015 7:01 66	25/7/2015 13:31 64	28/6/2015 12:46 59

28/6/2015 13:01 62 28/6/2015 13:06 51 28/6/2015 13:11 53 28/6/2015 13:11 53 28/6/2015 13:21 62 28/6/2015 13:26 45 28/6/2015 13:31 52 28/6/2015 13:36 54 28/6/2015 13:46 54 28/6/2015 13:45 54	28/6/2015 22:06 44 28/6/2015 22:11 62 28/6/2015 22:16 61 28/6/2015 22:26 61 28/6/2015 22:26 61 28/6/2015 22:31 61 28/6/2015 22:36 61	1/7/2015 7:11 62 1/7/2015 7:16 61 1/7/2015 7:21 65 1/7/2015 7:26 60	1/7/2015 16:16 57 1/7/2015 16:21 54 1/7/2015 16:26 51	2/7/2015 21:21 61 2/7/2015 21:26 61	4/7/2015 22:26 61 4/7/2015 22:31 61
28/6/2015 13:11 53 28/6/2015 13:16 57 28/6/2015 13:21 62 28/6/2015 13:26 45 28/6/2015 13:31 52 28/6/2015 13:36 54 28/6/2015 13:46 54 28/6/2015 13:45 54	28/6/2015 22:16 61 28/6/2015 22:21 61 28/6/2015 22:26 61 28/6/2015 22:31 61	1/7/2015 7:21 65		2/1/2010 21.20 01	
28/6/2015 13:21 62 28/6/2015 13:26 45 28/6/2015 13:31 52 28/6/2015 13:31 52 28/6/2015 13:36 54 28/6/2015 13:46 54 28/6/2015 13:51 54	28/6/2015 22:26 61 28/6/2015 22:31 61	1/7/2015 7:26 60	1/1/2013 10.20 31	2/7/2015 21:31 61	4/7/2015 22:36 61
28/6/2015 13:26 45 28/6/2015 13:31 52 28/6/2015 13:36 54 28/6/2015 13:41 62 28/6/2015 13:46 54 28/6/2015 13:51 54	28/6/2015 22:31 61	1/7/0015 7:01 61	1/7/2015 16:31 53	2/7/2015 21:36 62	4/7/2015 22:41 61
28/6/2015 13:31 52 28/6/2015 13:36 54 28/6/2015 13:41 62 28/6/2015 13:46 54 28/6/2015 13:51 54		1/7/2015 7:31 61 1/7/2015 7:36 62	1/7/2015 16:36 54 1/7/2015 16:41 54	2/7/2015 21:41 61 2/7/2015 21:46 62	4/7/2015 22:46 61 4/7/2015 22:51 61
28/6/2015 13:41 62 28/6/2015 13:46 54 28/6/2015 13:51 54		1/7/2015 7:41 60	1/7/2015 16:46 46	2/7/2015 21:51 61	4/7/2015 22:56 61
28/6/2015 13:46 54 28/6/2015 13:51 54	28/6/2015 22:41 62 28/6/2015 22:46 61	1/7/2015 7:46   60 1/7/2015 7:51   60	1/7/2015 16:51 53 1/7/2015 16:56 52	2/7/2015 21:56 61 2/7/2015 22:01 52	5/7/2015 7:01 59 5/7/2015 7:06 60
	28/6/2015 22:51 61	1/7/2015 7:56 61	1/7/2015 17:01 48	2/7/2015 22:06 61	5/7/2015 7:11 60
28/6/2015 13:56 52	28/6/2015 22:56 61 29/6/2015 19:01 56	1/7/2015 8:01 53 1/7/2015 8:06 61	1/7/2015 17:06 45 1/7/2015 17:11 44	2/7/2015 22:11 61 2/7/2015 22:16 61	5/7/2015 7:16 61 5/7/2015 7:21 65
28/6/2015 14:01 55	29/6/2015 19:06 60	1/7/2015 8:11 46	1/7/2015 17:16 51	2/7/2015 22:21 61	5/7/2015 7:26 61
28/6/2015 14:06 56 28/6/2015 14:11 57	29/6/2015 19:11 57 29/6/2015 19:16 55	1/7/2015 8:16 54 1/7/2015 8:21 62	1/7/2015 17:21 56 1/7/2015 17:26 58	2/7/2015 22:26 61 2/7/2015 22:31 61	5/7/2015 7:31 57 5/7/2015 7:36 60
28/6/2015 14:16 59	29/6/2015 19:21 58	1/7/2015 8:26 50	1/7/2015 17:31 57	2/7/2015 22:36 61	5/7/2015 7:41 60
28/6/2015 14:21 52	29/6/2015 19:26 56 29/6/2015 19:31 56	1/7/2015 8:31 62	1/7/2015 17:36 51	2/7/2015 22:41 61	5/7/2015 7:46 61
28/6/2015 14:26 53 28/6/2015 14:31 55	29/6/2015 19:31 56 29/6/2015 19:36 54	1/7/2015 8:36 62 1/7/2015 8:41 54	1/7/2015 17:41 57 1/7/2015 17:46 51	2/7/2015 22:46 61 2/7/2015 22:51 61	5/7/2015 7:51 60 5/7/2015 7:56 61
28/6/2015 14:36 59	29/6/2015 19:41 48	1/7/2015 8:46 53	1/7/2015 17:51 52	2/7/2015 22:56 61	5/7/2015 8:01 62
28/6/2015 14:41 57 28/6/2015 14:46 54	29/6/2015 19:46 49 29/6/2015 19:51 51	1/7/2015 8:51 55 1/7/2015 8:56 56	1/7/2015 17:56 62 1/7/2015 18:01 42	3/7/2015 19:01 58 3/7/2015 19:06 59	5/7/2015 8:06 60 5/7/2015 8:11 61
28/6/2015 14:51 51	29/6/2015 19:56 50	1/7/2015 9:01 55	1/7/2015 18:06 50	3/7/2015 19:11 58	5/7/2015 8:16 62
28/6/2015 14:56 49 28/6/2015 15:01 49	29/6/2015 20:01 42 29/6/2015 20:06 62	1/7/2015 9:06 51 1/7/2015 9:11 51	1/7/2015 18:11 54 1/7/2015 18:16 51	3/7/2015 19:16 56 3/7/2015 19:21 54	5/7/2015 8:21 51 5/7/2015 8:26 52
28/6/2015 15:06 53	29/6/2015 20:11 56	1/7/2015 9:16 53	1/7/2015 18:21 50	3/7/2015 19:26 56	5/7/2015 8:31 56
28/6/2015 15:11 56 28/6/2015 15:16 56	29/6/2015 20:16 43 29/6/2015 20:21 61	1/7/2015 9:21 58 1/7/2015 9:26 54	1/7/2015 18:26 61 1/7/2015 18:31 62	3/7/2015 19:31 59 3/7/2015 19:36 57	5/7/2015 8:36 62 5/7/2015 8:41 53
28/6/2015 15:21 52	29/6/2015 20:26 61	1/7/2015 9:31 55	1/7/2015 18:36 62	3/7/2015 19:41 57	5/7/2015 8:46 50
28/6/2015 15:26 54 28/6/2015 15:31 62	29/6/2015 20:31 62 29/6/2015 20:36 52	1/7/2015 9:36 56 1/7/2015 9:41 56	1/7/2015 18:41 51 1/7/2015 18:46 46	3/7/2015 19:46 55 3/7/2015 19:51 58	5/7/2015 8:51 54 5/7/2015 8:56 52
28/6/2015 15:36 62	29/6/2015 20:41 46	1/7/2015 9:46 53	1/7/2015 18:51 40	3/7/2015 19:56 55	5/7/2015 9:01 50
28/6/2015 15:41 49 28/6/2015 15:46 45	29/6/2015 20:46 43	1/7/2015 9:51 57	1/7/2015 18:56 49 1/7/2015 19:01 62	3/7/2015 20:01 60 3/7/2015 20:06 60	5/7/2015 9:06 53
28/6/2015 15:46 45 28/6/2015 15:51 50	29/6/2015 20:51 61 29/6/2015 20:56 62	1/7/2015 9:56 56 1/7/2015 10:01 57	1/7/2015 19:01 62 1/7/2015 19:06 54	3/7/2015 20:06 60 3/7/2015 20:11 56	5/7/2015 9:11 52 5/7/2015 9:16 53
28/6/2015 15:56 55	29/6/2015 21:01 54	1/7/2015 10:06 54 1/7/2015 10:11 55	1/7/2015 19:11 54 1/7/2015 19:16 61	3/7/2015 20:16 56 3/7/2015 20:21 54	5/7/2015 9:21 62 5/7/2015 9:26 52
28/6/2015 16:01 56 28/6/2015 16:06 55	29/6/2015 21:06 61 29/6/2015 21:11 61	1/7/2015 10:11 55 1/7/2015 10:16 56	1/7/2015 19:16 61 1/7/2015 19:21 62	3/7/2015 20:21 54 3/7/2015 20:26 57	5/7/2015 9:26 52 5/7/2015 9:31 57
28/6/2015 16:11 55 28/6/2015 16:16 55	29/6/2015 21:16 61 29/6/2015 21:21 61	1/7/2015 10:21 57 1/7/2015 10:26 55	1/7/2015 19:26 62 1/7/2015 19:31 62	3/7/2015 20:31 56 3/7/2015 20:36 55	5/7/2015 9:36 58 5/7/2015 9:41 58
28/6/2015 16:21 55	29/6/2015 21:26 61	1/7/2015 10:31 54	1/7/2015 19:36 61	3/7/2015 20:41 53	5/7/2015 9:46 58
28/6/2015 16:26 55 28/6/2015 16:31 58	29/6/2015 21:31 61 29/6/2015 21:36 61	1/7/2015 10:36 55 1/7/2015 10:41 56	1/7/2015 19:41 61 1/7/2015 19:46 61	3/7/2015 20:46 66 3/7/2015 20:51 61	5/7/2015 9:51 53 5/7/2015 9:56 57
28/6/2015 16:36 56	29/6/2015 21:41 61	1/7/2015 10:41 56	1/7/2015 19:51 62	3/7/2015 20:56 56	5/7/2015 10:01 60
28/6/2015 16:41 53 28/6/2015 16:46 54	29/6/2015 21:46 61 29/6/2015 21:51 61	1/7/2015 10:51 56 1/7/2015 10:56 54	1/7/2015 19:56 62 1/7/2015 20:01 61	3/7/2015 21:01 36 3/7/2015 21:06 53	5/7/2015 10:06 54 5/7/2015 10:11 57
28/6/2015 16:51 55	29/6/2015 21:56 62	1/7/2015 11:01 57	1/7/2015 20:06 62	3/7/2015 21:11 52	5/7/2015 10:16 58
28/6/2015 16:56 51 28/6/2015 17:01 56	29/6/2015 22:01 61 29/6/2015 22:06 61	1/7/2015 11:06 57 1/7/2015 11:11 55	1/7/2015 20:11 59 1/7/2015 20:16 61	3/7/2015 21:16 62 3/7/2015 21:21 62	5/7/2015 10:21 54 5/7/2015 10:26 57
28/6/2015 17:06 54	29/6/2015 22:11 62	1/7/2015 11:16 55	1/7/2015 20:21 61	3/7/2015 21:26 61	5/7/2015 10:31 54
28/6/2015 17:11 59 28/6/2015 17:16 54	29/6/2015 22:16 61 29/6/2015 22:21 61	1/7/2015 11:21 56 1/7/2015 11:26 53	1/7/2015 20:26 61 1/7/2015 20:31 61	3/7/2015 21:31 62 3/7/2015 21:36 61	5/7/2015 10:36 56 5/7/2015 10:41 55
28/6/2015 17:21 55	29/6/2015 22:26 61	1/7/2015 11:31 51	1/7/2015 20:36 61	3/7/2015 21:41 61	5/7/2015 10:46 56
28/6/2015 17:26 54 28/6/2015 17:31 49	29/6/2015 22:31 61 29/6/2015 22:36 61	1/7/2015 11:36 54 1/7/2015 11:41 55	1/7/2015 20:41 62 1/7/2015 20:46 61	3/7/2015 21:46 61 3/7/2015 21:51 62	5/7/2015 10:51 51 5/7/2015 10:56 48
28/6/2015 17:36 57	29/6/2015 22:41 61	1/7/2015 11:46 56	1/7/2015 20:51 56	3/7/2015 21:56 61	5/7/2015 11:01 53
28/6/2015 17:41 59 28/6/2015 17:46 56	29/6/2015 22:46 61 29/6/2015 22:51 60	1/7/2015 11:51 51 1/7/2015 11:56 52	1/7/2015 20:56 62 1/7/2015 21:01 62	3/7/2015 22:01 61 3/7/2015 22:06 61	5/7/2015 11:06 56 5/7/2015 11:11 54
28/6/2015 17:51 58	29/6/2015 22:56 61	1/7/2015 12:01 51	1/7/2015 21:06 61	3/7/2015 22:11 61	5/7/2015 11:16 56
28/6/2015 17:56 53 28/6/2015 18:01 57	30/6/2015 19:01 60 30/6/2015 19:06 63	1/7/2015 12:06 48 1/7/2015 12:11 46	1/7/2015 21:11 62 1/7/2015 21:16 62	3/7/2015 22:16 61 3/7/2015 22:21 62	5/7/2015 11:21 55 5/7/2015 11:26 55
28/6/2015 18:06 57	30/6/2015 19:11 62	1/7/2015 12:16 51	1/7/2015 21:21 61	3/7/2015 22:26 62	5/7/2015 11:31 53
28/6/2015 18:11 56 28/6/2015 18:16 54	30/6/2015 19:16 63 30/6/2015 19:21 61	1/7/2015 12:21 45 1/7/2015 12:26 52	1/7/2015 21:26 62 1/7/2015 21:31 61	3/7/2015 22:31 61 3/7/2015 22:36 61	5/7/2015 11:36 62 5/7/2015 11:41 56
28/6/2015 18:21 53	30/6/2015 19:26 61	1/7/2015 12:31 56	1/7/2015 21:36 61	3/7/2015 22:41 61	5/7/2015 11:46 61
28/6/2015 18:26 53 28/6/2015 18:31 53	30/6/2015 19:31 60 30/6/2015 19:36 63	1/7/2015 12:36 54 1/7/2015 12:41 42	1/7/2015 21:41 61 1/7/2015 21:46 62	3/7/2015 22:46 62 3/7/2015 22:51 61	5/7/2015 11:51 46 5/7/2015 11:56 52
28/6/2015 18:36 57	30/6/2015 19:41 60	1/7/2015 12:46 55	1/7/2015 21:51 62	3/7/2015 22:56 61	5/7/2015 12:01 51
28/6/2015 18:41 53 28/6/2015 18:46 52	30/6/2015 19:46 59 30/6/2015 19:51 58	1/7/2015 12:51 57 1/7/2015 12:56 49	1/7/2015 21:56 62 1/7/2015 22:01 61	4/7/2015 19:01 60 4/7/2015 19:06 59	5/7/2015 12:06 59 5/7/2015 12:11 45
28/6/2015 18:51 53	30/6/2015 19:56 56	1/7/2015 13:01 52	1/7/2015 22:06 61	4/7/2015 19:11 60	5/7/2015 12:16 49
28/6/2015 18:56 58 28/6/2015 19:01 45	30/6/2015 20:01 56 30/6/2015 20:06 57	1/7/2015 13:06 52 1/7/2015 13:11 53	1/7/2015 22:11 61 1/7/2015 22:16 61	4/7/2015 19:16 60 4/7/2015 19:21 59	5/7/2015 12:21 49 5/7/2015 12:26 62
28/6/2015 19:06 55	30/6/2015 20:11 55	1/7/2015 13:16 54	1/7/2015 22:21 61	4/7/2015 19:26 60	5/7/2015 12:31 62
28/6/2015 19:11 48 28/6/2015 19:16 51	30/6/2015 20:16 58 30/6/2015 20:21 58	1/7/2015 13:21 58 1/7/2015 13:26 57	1/7/2015 22:26 61 1/7/2015 22:31 61	4/7/2015 19:31 59 4/7/2015 19:36 60	5/7/2015 12:36 61 5/7/2015 12:41 48
28/6/2015 19:21 62	30/6/2015 20:26 57	1/7/2015 13:31 55	1/7/2015 22:36 61	4/7/2015 19:41 58	5/7/2015 12:46 50
28/6/2015 19:26 62 28/6/2015 19:31 62	30/6/2015 20:31 58 30/6/2015 20:36 60	1/7/2015 13:36 53 1/7/2015 13:41 52	1/7/2015 22:41 61 1/7/2015 22:46 61	4/7/2015 19:46 56 4/7/2015 19:51 54	5/7/2015 12:51 53 5/7/2015 12:56 48
28/6/2015 19:36 62	30/6/2015 20:41 52	1/7/2015 13:46 55	1/7/2015 22:51 61	4/7/2015 19:56 58	5/7/2015 13:01 54
28/6/2015 19:41 45 28/6/2015 19:46 46	30/6/2015 20:46 54 30/6/2015 20:51 56	1/7/2015 13:51 56 1/7/2015 13:56 54	1/7/2015 22:56 61 2/7/2015 19:01 58	4/7/2015 20:01 55 4/7/2015 20:06 56	5/7/2015 13:06 60 5/7/2015 13:11 54
28/6/2015 19:51 53	30/6/2015 20:56 62	1/7/2015 14:01 48	2/7/2015 19:06 55	4/7/2015 20:11 55	5/7/2015 13:16 53
28/6/2015 19:56 62 28/6/2015 20:01 49	30/6/2015 21:01 45 30/6/2015 21:06 62	1/7/2015 14:06 57 1/7/2015 14:11 53	2/7/2015 19:11 57 2/7/2015 19:16 57	4/7/2015 20:16 48 4/7/2015 20:21 47	5/7/2015 13:21 57 5/7/2015 13:26 57
28/6/2015 20:06 45	30/6/2015 21:11 62	1/7/2015 14:16 53	2/7/2015 19:21 54	4/7/2015 20:26 48	5/7/2015 13:31 57
28/6/2015 20:11 62 28/6/2015 20:16 61	30/6/2015 21:16 62 30/6/2015 21:21 62	1/7/2015 14:21 55 1/7/2015 14:26 52	2/7/2015 19:26 58 2/7/2015 19:31 53	4/7/2015 20:31 46 4/7/2015 20:36 57	5/7/2015 13:36 55 5/7/2015 13:41 55
28/6/2015 20:21 61	30/6/2015 21:26 43	1/7/2015 14:31 57	2/7/2015 19:36 61	4/7/2015 20:41 55	5/7/2015 13:46 54
28/6/2015 20:26 62 28/6/2015 20:31 62	30/6/2015 21:31 62 30/6/2015 21:36 61	1/7/2015 14:36 55 1/7/2015 14:41 56	2/7/2015 19:41 50 2/7/2015 19:46 36	4/7/2015 20:46 57 4/7/2015 20:51 51	5/7/2015 13:51 54 5/7/2015 13:56 55
28/6/2015 20:36 62	30/6/2015 21:41 62	1/7/2015 14:46 54	2/7/2015 19:51 50	4/7/2015 20:56 61	5/7/2015 14:01 57
28/6/2015 20:41 61 28/6/2015 20:46 62	30/6/2015 21:46 39 30/6/2015 21:51 43	1/7/2015 14:51 50 1/7/2015 14:56 49	2/7/2015 19:56 62 2/7/2015 20:01 62	4/7/2015 21:01 62 4/7/2015 21:06 62	5/7/2015 14:06 55 5/7/2015 14:11 55
28/6/2015 20:51 47	30/6/2015 21:56 51	1/7/2015 15:01 56	2/7/2015 20:06 50	4/7/2015 21:11 62	5/7/2015 14:16 54
28/6/2015 20:56 62 28/6/2015 21:01 62	30/6/2015 22:01 51 30/6/2015 22:06 62	1/7/2015 15:06 48 1/7/2015 15:11 56	2/7/2015 20:11 62 2/7/2015 20:16 62	4/7/2015 21:16 61 4/7/2015 21:21 61	5/7/2015 14:21 56 5/7/2015 14:26 45
28/6/2015 21:06 61	30/6/2015 22:11 62	1/7/2015 15:16 52	2/7/2015 20:21 62	4/7/2015 21:26 62	5/7/2015 14:31 55
28/6/2015 21:11 61 28/6/2015 21:16 61	30/6/2015 22:16 62 30/6/2015 22:21 62	1/7/2015 15:21 55 1/7/2015 15:26 62	2/7/2015 20:26 61 2/7/2015 20:31 61	4/7/2015 21:31 61 4/7/2015 21:36 61	5/7/2015 14:36 53 5/7/2015 14:41 51
28/6/2015 21:21 61	30/6/2015 22:26 61	1/7/2015 15:31 52	2/7/2015 20:36 62	4/7/2015 21:41 61	5/7/2015 14:46 50
28/6/2015 21:26 62 28/6/2015 21:31 61	30/6/2015 22:31 62 30/6/2015 22:36 61	1/7/2015 15:41 56	2/7/2015 20:41 62 2/7/2015 20:46 62	4/7/2015 21:46 61 4/7/2015 21:51 61	5/7/2015 14:51 61 5/7/2015 14:56 54
28/6/2015 21:36 62 28/6/2015 21:41 62	30/6/2015 22:41 50 30/6/2015 22:46 62	1/7/2015 15:46 50 1/7/2015 15:51 39	2/7/2015 20:51 62 2/7/2015 20:56 61	4/7/2015 21:56 62 4/7/2015 22:01 62	5/7/2015 15:01 56 5/7/2015 15:06 58
28/6/2015 21:46 61	30/6/2015 22:51 62	1/7/2015 15:56 50	2/7/2015 21:01 61	4/7/2015 22:06 61	5/7/2015 15:11 56
28/6/2015 21:51 61	30/6/2015 22:56 62	1/7/2015 16:01 62	2/7/2015 21:06 61	4/7/2015 22:11 61	5/7/2015 15:16 51

		<b>`</b>			
Real-time Noise Data 5/7/2015 15:21 58	RTN2a (Hong Kong Electric Cent 6/7/2015 20:26 62	re) 8/7/2015 21:31 36	10/7/2015 22:36 62	12/7/2015 11:41 62	12/7/2015 20:46 61
5/7/2015 15:26 55	6/7/2015 20:31 61	8/7/2015 21:36 61	10/7/2015 22:41 62	12/7/2015 11:46 61	12/7/2015 20:51 61
5/7/2015 15:31 54	6/7/2015 20:36 61	8/7/2015 21:41 62	10/7/2015 22:46 52	12/7/2015 11:51 43	12/7/2015 20:56 61
5/7/2015 15:36 55	6/7/2015 20:41 62	8/7/2015 21:46 61	10/7/2015 22:51 62	12/7/2015 11:56 61	12/7/2015 21:01 62
5/7/2015 15:41 57	6/7/2015 20:46 62	8/7/2015 21:51 62	10/7/2015 22:56 53	12/7/2015 12:01 62	12/7/2015 21:06 61
5/7/2015 15:46 52	6/7/2015 20:51 61	8/7/2015 21:56 62	11/7/2015 19:01 61	12/7/2015 12:06 45	12/7/2015 21:11 61
5/7/2015 15:51 54	6/7/2015 20:56 62	8/7/2015 22:01 51	11/7/2015 19:06 43	12/7/2015 12:11 49	12/7/2015 21:16 61
5/7/2015 15:56 54	6/7/2015 21:01 62	8/7/2015 22:06 59	11/7/2015 19:11 61 11/7/2015 19:16 36	12/7/2015 12:16 55	12/7/2015 21:21 61
5/7/2015 16:01 54	6/7/2015 21:06 61	8/7/2015 22:11 42	11/7/2015 19:10 56	12/7/2015 12:21 52	12/7/2015 21:26 45
5/7/2015 16:06 62	6/7/2015 21:11 61	8/7/2015 22:16 61		12/7/2015 12:26 62	12/7/2015 21:31 62
5/7/2015 16:11 46	6/7/2015 21:16 61	8/7/2015 22:21 61	11/7/2015 19:26 61	12/7/2015 12:31 51 12/7/2015 12:36 49	12/7/2015 21:36 61
5/7/2015 16:16 47	6/7/2015 21:21 61	8/7/2015 22:26 61	11/7/2015 19:31 61	12/7/2015 12:36 49	12/7/2015 21:41 61
5/7/2015 16:21 50	6/7/2015 21:26 61	8/7/2015 22:31 61	11/7/2015 19:36 61	12/7/2015 12:41 54	12/7/2015 21:46 61
5/7/2015 16:26 45	6/7/2015 21:31 61	8/7/2015 22:36 61	11/7/2015 19:41 61	12/7/2015 12:46 53	12/7/2015 21:51 61
5/7/2015 16:31 52	6/7/2015 21:36 61	8/7/2015 22:41 61	11/7/2015 19:46 44	12/7/2015 12:51 48	12/7/2015 21:56 61
5/7/2015 16:36 56	6/7/2015 21:41 61	8/7/2015 22:46 61	11/7/2015 19:51 49	12/7/2015 12:56 45	12/7/2015 22:01 62
5/7/2015 16:41 58	6/7/2015 21:46 61	8/7/2015 22:51 61	11/7/2015 19:56 48	12/7/2015 13:01 52	12/7/2015 22:06 62
5/7/2015 16:46 55	6/7/2015 21:51 61	8/7/2015 22:56 61	11/7/2015 20:01 51	12/7/2015 13:06 56	12/7/2015 22:11 61
5/7/2015 16:51 62	6/7/2015 21:56 61	9/7/2015 19:01 61	11/7/2015 20:06 62	12/7/2015 13:11 55	12/7/2015 22:16 62
5/7/2015 16:56 40	6/7/2015 22:01 61	9/7/2015 19:06 61	11/7/2015 20:11 45	12/7/2015 13:16 58	12/7/2015 22:21 61
5/7/2015 17:01 60	6/7/2015 22:06 61	9/7/2015 19:11 61	11/7/2015 20:16 62	12/7/2015 13:21 56	12/7/2015 22:26 61
5/7/2015 17:06 52	6/7/2015 22:11 36	9/7/2015 19:16 61	11/7/2015 20:21 61	12/7/2015 13:26 56	12/7/2015 22:31 61
5/7/2015 17:11 56	6/7/2015 22:16 61	9/7/2015 19:21 62	11/7/2015 20:26 61	12/7/2015 13:31 51	12/7/2015 22:36 61
5/7/2015 17:16 51	6/7/2015 22:21 61	9/7/2015 19:26 61	11/7/2015 20:31 62	12/7/2015 13:36 54	12/7/2015 22:41 61
5/7/2015 17:21 40	6/7/2015 22:26 61	9/7/2015 19:31 60	11/7/2015 20:36 62	12/7/2015 13:41 54	12/7/2015 22:46 61
5/7/2015 17:26 53	6/7/2015 22:31 61	9/7/2015 19:36 61	11/7/2015 20:41 47	12/7/2015 13:46 53	12/7/2015 22:51 61
5/7/2015 17:31 62	6/7/2015 22:36 61	9/7/2015 19:41 60	11/7/2015 20:46 61	12/7/2015 13:51 54	12/7/2015 22:56 61
5/7/2015 17:36 53	6/7/2015 22:41 61 6/7/2015 22:46 61	9/7/2015 19:46 60	11/7/2015 20:51 61	12/7/2015 13:56 49	13/7/2015 19:01 60
5/7/2015 17:41 55	6/7/2015 22:46 61	9/7/2015 19:51 60	11/7/2015 20:56 61	12/7/2015 14:01 52	13/7/2015 19:06 60
5/7/2015 17:46 46	6/7/2015 22:51 60	9/7/2015 19:56 59	11/7/2015 21:01 62	12/7/2015 14:06 54	13/7/2015 19:11 60
5/7/2015 17:51 53	6/7/2015 22:56 61	9/7/2015 20:01 59	11/7/2015 21:06 62	12/7/2015 14:11 57	13/7/2015 19:16 62
5/7/2015 17:56 51	7/7/2015 19:01 66	9/7/2015 20:06 59	11/7/2015 21:11 61	12/7/2015 14:16 65	13/7/2015 19:21 55
5/7/2015 18:01 48	7/7/2015 19:06 61	9/7/2015 20:11 59	11/7/2015 21:16 62	12/7/2015 14:21 59	13/7/2015 19:26 56
5/7/2015 18:06 51	7/7/2015 19:11 56	9/7/2015 20:16 59	11/7/2015 21:21 61	12/7/2015 14:26 56	13/7/2015 19:31 55
5/7/2015 18:11 55	7/7/2015 19:16 56	9/7/2015 20:21 60	11/7/2015 21:26 61	12/7/2015 14:31 53	13/7/2015 19:36 60
5/7/2015 18:16 53	7/7/2015 19:21 56	9/7/2015 20:26 59	11/7/2015 21:31 62	12/7/2015 14:36 47	13/7/2015 19:41 56
5/7/2015 18:21    46	7/7/2015 19:26 55	9/7/2015 20:31 59	11/7/2015 21:36 61	12/7/2015 14:41 57	13/7/2015 19:46 57
5/7/2015 18:26    55	7/7/2015 19:31 55	9/7/2015 20:36 59	11/7/2015 21:41 61	12/7/2015 14:46 54	13/7/2015 19:51 55
5/7/2015 18:31 48	7/7/2015 19:36 58	9/7/2015 20:41 59	11/7/2015 21:46 61	12/7/2015 14:51 54	13/7/2015 19:56 59
5/7/2015 18:36 52	7/7/2015 19:41 53	9/7/2015 20:46 59	11/7/2015 21:51 62	12/7/2015 14:56 56	13/7/2015 20:01 54
5/7/2015 18:41 62	7/7/2015 19:46 53	9/7/2015 20:51 59	11/7/2015 21:56 61	12/7/2015 15:01 59	13/7/2015 20:06 57
5/7/2015 18:46 54	7/7/2015 19:51 59	9/7/2015 20:56 59	11/7/2015 22:01 61	12/7/2015 15:06 58	13/7/2015 20:11 52
5/7/2015 18:51 51	7/7/2015 19:56 54	9/7/2015 21:01 59	11/7/2015 22:06 61	12/7/2015 15:11 52	13/7/2015 20:16 50
5/7/2015 18:56 62	7/7/2015 20:01 56	9/7/2015 21:06 59	11/7/2015 22:11 51	12/7/2015 15:16 56	13/7/2015 20:21 56
5/7/2015 19:01 60	7/7/2015 20:06 52	9/7/2015 21:11 59	11/7/2015 22:16 42	12/7/2015 15:21 54	13/7/2015 20:26 53
5/7/2015 19:06 53	7/7/2015 20:11 47	9/7/2015 21:16 59	11/7/2015 22:21 61	12/7/2015 15:26 54	13/7/2015 20:31 62
5/7/2015 19:11 62	7/7/2015 20:16 42	9/7/2015 21:21 59	11/7/2015 22:26 61	12/7/2015 15:31 52	13/7/2015 20:36 62
5/7/2015 19:16 62	7/7/2015 20:21 62	9/7/2015 21:26 59	11/7/2015 22:31 61	12/7/2015 15:36 54	13/7/2015 20:41 48
5/7/2015 19:21 61	7/7/2015 20:26 48	9/7/2015 21:31 58	11/7/2015 22:36 61	12/7/2015 15:41 51	13/7/2015 20:46 62
5/7/2015 19:26 62	7/7/2015 20:31 43	9/7/2015 21:36 58	11/7/2015 22:41 61	12/7/2015 15:46 48	13/7/2015 20:51 53
5/7/2015 19:31 56	7/7/2015 20:36 61	9/7/2015 21:41 59	11/7/2015 22:46 61	12/7/2015 15:51 52	13/7/2015 20:56 62
5/7/2015 19:36 61	7/7/2015 20:41 62	9/7/2015 21:46 59	11/7/2015 22:51 61	12/7/2015 15:56 51	13/7/2015 21:01 62
5/7/2015 19:41 62 5/7/2015 19:46 62	7/7/2015 20:46 62 7/7/2015 20:51 44	9/7/2015 21:51 59	11/7/2015 22:56 61 12/7/2015 7:01 60	12/7/2015 16:01 53	13/7/2015 21:06 62
5/7/2015 19:51 54	7/7/2015 20:56 42	9/7/2015 22:01 59	12/7/2015 7:06 60	12/7/2015 16:06 56 12/7/2015 16:11 53	13/7/2015 21:11 61 13/7/2015 21:16 47
5/7/2015 19:56 52	7/7/2015 21:01 61	9/7/2015 22:06 58	12/7/2015 7:11 60	12/7/2015 16:16 36	13/7/2015 21:21 62
5/7/2015 20:01 56	7/7/2015 21:06 62	9/7/2015 22:11 59	12/7/2015 7:16 60	12/7/2015 16:21 55	13/7/2015 21:26 62
5/7/2015 20:06 57	7/7/2015 21:11 61	9/7/2015 22:16 59	12/7/2015 7:21 62	12/7/2015 16:26 54	13/7/2015 21:31 61
5/7/2015 20:11 62	7/7/2015 21:16 62	9/7/2015 22:21 58	12/7/2015 7:26 60	12/7/2015 16:31 56	13/7/2015 21:36 62
5/7/2015 20:16 61	7/7/2015 21:21 62	9/7/2015 22:26 58	12/7/2015 7:31 60	12/7/2015 16:36 54	13/7/2015 21:41 61
5/7/2015 20:21 36	7/7/2015 21:26 62	9/7/2015 22:31 58	12/7/2015 7:36 60	12/7/2015 16:41 54	13/7/2015 21:46 62 13/7/2015 21:51 61
5/7/2015 20:26 61	7/7/2015 21:31 62	9/7/2015 22:36 59	12/7/2015 7:41 60	12/7/2015 16:46 55	13/7/2015 21:56 46
5/7/2015 20:31 62	7/7/2015 21:36 61	9/7/2015 22:41 59	12/7/2015 7:46 60	12/7/2015 16:51 52	
5/7/2015 20:36 61	7/7/2015 21:41 61	9/7/2015 22:46 59	12/7/2015 7:51 60	12/7/2015 16:56 52	13/7/2015 22:01 61
5/7/2015 20:41 62	7/7/2015 21:46 61	9/7/2015 22:51 58	12/7/2015 7:56 61	12/7/2015 17:01 48	13/7/2015 22:06 61
5/7/2015 20:46 61	7/7/2015 21:51 48	9/7/2015 22:56 58	12/7/2015 8:01 60	12/7/2015 17:06 62	13/7/2015 22:11 61
5/7/2015 20:51 46	7/7/2015 21:56 61	10/7/2015 19:01 63	12/7/2015 8:06 61	12/7/2015 17:11 62	13/7/2015 22:16 62
5/7/2015 20:56 61	7/7/2015 22:01 61	10/7/2015 19:06 64	12/7/2015 8:11 61	12/7/2015 17:16 62	13/7/2015 22:21 61
5/7/2015 21:01 61	7/7/2015 22:06 61	10/7/2015 19:11 63	12/7/2015 8:16 61	12/7/2015 17:21 62	13/7/2015 22:26 61
5/7/2015 21:06 62	7/7/2015 22:11 62	10/7/2015 19:16 62	12/7/2015 8:21 62	12/7/2015 17:26 62	13/7/2015 22:31 61
5/7/2015 21:11 61	7/7/2015 22:16 62	10/7/2015 19:21 59	12/7/2015 8:26 52	12/7/2015 17:31 52	13/7/2015 22:36 61
5/7/2015 21:16 62	7/7/2015 22:21 61	10/7/2015 19:26 56	12/7/2015 8:31 62	12/7/2015 17:36 53	13/7/2015 22:41 61
5/7/2015 21:21 61	7/7/2015 22:26 62	10/7/2015 19:31 56	12/7/2015 8:36 62	12/7/2015 17:41 53	13/7/2015 22:46 62
5/7/2015 21:26 61	7/7/2015 22:31 61	10/7/2015 19:36 59	12/7/2015 8:41 62	12/7/2015 17:46 58	13/7/2015 22:51 61
5/7/2015 21:31 55	7/7/2015 22:36 61	10/7/2015 19:41 58	12/7/2015 8:46 62	12/7/2015 17:51 45	13/7/2015 22:56 53
5/7/2015 21:36 61	7/7/2015 22:41 62	10/7/2015 19:46 55	12/7/2015 8:51 62	12/7/2015 17:56 53	14/7/2015 19:01 63
5/7/2015 21:41 53	7/7/2015 22:46 44	10/7/2015 19:51 54	12/7/2015 8:56 61	12/7/2015 18:01 50	14/7/2015 19:06 62
5/7/2015 21:46 61	7/7/2015 22:51 61	10/7/2015 19:56 55	12/7/2015 9:01 62	12/7/2015 18:06 55	14/7/2015 19:11 63
5/7/2015 21:51 61	7/7/2015 22:56 60	10/7/2015 20:01 54	12/7/2015 9:06 58	12/7/2015 18:11 54	14/7/2015 19:16 61
5/7/2015 21:56 61	8/7/2015 19:01 60	10/7/2015 20:06 57	12/7/2015 9:11 56	12/7/2015 18:16 54	14/7/2015 19:21 54
5/7/2015 22:01 61	8/7/2015 19:06 59	10/7/2015 20:11 56	12/7/2015 9:16 50	12/7/2015 18:21 57	14/7/2015 19:26 53
5/7/2015 22:06 62	8/7/2015 19:11 58	10/7/2015 20:16 53	12/7/2015 9:21 54	12/7/2015 18:26 53	14/7/2015 19:31 62
5/7/2015 22:11 62	8/7/2015 19:16 59	10/7/2015 20:21 52	12/7/2015 9:26 62	12/7/2015 18:31 52	14/7/2015 19:36 53
5/7/2015 22:16 61	8/7/2015 19:21 57	10/7/2015 20:26 62	12/7/2015 9:31 52	12/7/2015 18:36 56	14/7/2015 19:41 62
5/7/2015 22:21 62	8/7/2015 19:26 58	10/7/2015 20:31 51	12/7/2015 9:36 54	12/7/2015 18:41 56	14/7/2015 19:46 57
5/7/2015 22:26 61	8/7/2015 19:31 56	10/7/2015 20:36 62	12/7/2015 9:41 46	12/7/2015 18:46 56	14/7/2015 19:51 57
5/7/2015 22:31 51	8/7/2015 19:36 55	10/7/2015 20:41 51	12/7/2015 9:46 47	12/7/2015 18:51 52	14/7/2015 19:56 52
5/7/2015 22:36 43	8/7/2015 19:41 54	10/7/2015 20:46 49	12/7/2015 9:51 53	12/7/2015 18:56 52	14/7/2015 20:01 46
5/7/2015 22:41 61	8/7/2015 19:46 54	10/7/2015 20:51 45	12/7/2015 9:56 50	12/7/2015 19:01 54	14/7/2015 20:06 52
5/7/2015 22:46 61	8/7/2015 19:51 55	10/7/2015 20:56 62	12/7/2015 10:01 62	12/7/2015 19:06 53	14/7/2015 20:11 57
5/7/2015 22:51 61	8/7/2015 19:56 54	10/7/2015 21:01 62	12/7/2015 10:06 62	12/7/2015 19:11 45	14/7/2015 20:16 52
5/7/2015 22:56 60	8/7/2015 20:01 51	10/7/2015 21:06 62	12/7/2015 10:11 55	12/7/2015 19:16 62	14/7/2015 20:21 52
6/7/2015 19:01 57	8/7/2015 20:06 49	10/7/2015 21:11 61	12/7/2015 10:16 58	12/7/2015 19:21 62	14/7/2015 20:26 50
6/7/2015 19:06 56	8/7/2015 20:11 52	10/7/2015 21:16 62	12/7/2015 10:21 54	12/7/2015 19:26 61	14/7/2015 20:31 55
6/7/2015 19:11 55	8/7/2015 20:16 62	10/7/2015 21:21 62	12/7/2015 10:26 57	12/7/2015 19:31 42	14/7/2015 20:36 62
6/7/2015 19:16 56	8/7/2015 20:21 47	10/7/2015 21:26 62	12/7/2015 10:31 57	12/7/2015 19:36 61	14/7/2015 20:41 44
6/7/2015 19:21 56	8/7/2015 20:26 62	10/7/2015 21:31 62	12/7/2015 10:36 47	12/7/2015 19:41 36	14/7/2015 20:46 47
6/7/2015 19:26 57	8/7/2015 20:31 62	10/7/2015 21:36 56	12/7/2015 10:41 52	12/7/2015 19:46 61	14/7/2015 20:51 62
6/7/2015 19:31 55	8/7/2015 20:36 62	10/7/2015 21:41 61	12/7/2015 10:46 55	12/7/2015 19:51 50	14/7/2015 20:56 61
6/7/2015 19:36 53	8/7/2015 20:41 48	10/7/2015 21:46 50	12/7/2015 10:51 52	12/7/2015 19:56 50	14/7/2015 21:01 62
6/7/2015 19:41 53	8/7/2015 20:46 54	10/7/2015 21:51 62	12/7/2015 10:56 52	12/7/2015 20:01 61	14/7/2015 21:06 61
6/7/2015 19:46 54	8/7/2015 20:51 62	10/7/2015 21:56 62	12/7/2015 11:01 62	12/7/2015 20:06 46	14/7/2015 21:11 62
6/7/2015 19:51 56	8/7/2015 20:56 62	10/7/2015 22:01 46	12/7/2015 11:06 62	12/7/2015 20:11 62	14/7/2015 21:16 62
6/7/2015 19:56 56	8/7/2015 21:01 61	10/7/2015 22:06 56	12/7/2015 11:11 52	12/7/2015 20:16 62	14/7/2015 21:21 62
6/7/2015 20:01 46	8/7/2015 21:06 51	10/7/2015 22:11 53	12/7/2015 11:16 55	12/7/2015 20:21 61	14/7/2015 21:26 54
6/7/2015 20:06 55	8/7/2015 21:11 61	10/7/2015 22:16 62	12/7/2015 11:21 62	12/7/2015 20:26 62	14/7/2015 21:31 55
6/7/2015 20:11 50	8/7/2015 21:16 53	10/7/2015 22:21 62	12/7/2015 11:26 62	12/7/2015 20:31 61	14/7/2015 21:36 61
6/7/2015 20:16 60	8/7/2015 21:21 62	10/7/2015 22:26 62	12/7/2015 11:31 62	12/7/2015 20:36 61	14/7/2015 21:41 46
6/7/2015 20:21 62	8/7/2015 21:26 62	10/7/2015 22:31 63	12/7/2015 11:36 62	12/7/2015 20:36 61	14/7/2015 21:46 62

	Deal time Naise Date	DTN2a (Llang Kang Flastria Can)	(ma)			
			19/7/2015 8:01 61			
	14/7/2015 22:06 61	17/7/2015 19:11 62	19/7/2015 8:16 58	19/7/2015 17:21 54	20/7/2015 22:26 43	23/7/2015 19:31 55
	14/7/2015 22:21 62	17/7/2015 19:26 58	19/7/2015 8:31 57	19/7/2015 17:36 62	20/7/2015 22:41 65	23/7/2015 19:46 53
	14/7/2015 22:36 61	17/7/2015 19:41 61	19/7/2015 8:46 56	19/7/2015 17:51 58	20/7/2015 22:56 60	23/7/2015 20:01 56
	14/7/2015 22:51 61	17/7/2015 19:56 55	19/7/2015 9:01 57	19/7/2015 18:06 55	21/7/2015 19:11 60	23/7/2015 20:16 56
1         1	15/7/2015 19:06 64	17/7/2015 20:11 62	19/7/2015 9:16 56	19/7/2015 18:21 53	21/7/2015 19:26 56	23/7/2015 20:31 54
1570015         10770015         20770015						
Instruction						
description         description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	15/7/2015 19:46 60		19/7/2015 9:56 60	19/7/2015 19:01 62	21/7/2015 20:06 57	23/7/2015 21:11 52
end         end <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
strands       1 </td <td></td> <td>17/7/2015 21:06 61</td> <td>19/7/2015 10:11 55</td> <td>19/7/2015 19:16 62</td> <td>21/7/2015 20:21 56</td> <td>23/7/2015 21:26 46</td>		17/7/2015 21:06 61	19/7/2015 10:11 55	19/7/2015 19:16 62	21/7/2015 20:21 56	23/7/2015 21:26 46
157208     1     197209						
strand       5       1772205       52.11       1772205       22.1172215<	15/7/2015 20:16 61	17/7/2015 21:21 61	19/7/2015 10:26 57	19/7/2015 19:31 53	21/7/2015 20:36 40	23/7/2015 21:41 62
STR2015 20.15     54     17722015 21.36     61     19772015 10.46     61     21772015 20.16     63     21772015 20.16     64     237720						
Str2015 62-04       64       1772015 21-06       61       1972015 10-06       42       2772015 21-06       44       2772015 21-06       42       2772015 22-06       2772015 22-	15/7/2015 20:31 54	17/7/2015 21:36 61	19/7/2015 10:41 56	19/7/2015 19:46 61	21/7/2015 20:51 48	23/7/2015 21:56 50
1572015       23.07       10       10772015       110       10772015       21.07						
1572015 2116 00     17772015 2216 07     19772015 111 00     19772015 111 00     21772015 211 00     21772015 212 07 <t< td=""><td></td><td>17/7/2015 21:51 61</td><td>19/7/2015 10:56 56</td><td>19/7/2015 20:01 61</td><td></td><td>23/7/2015 22:11 62</td></t<>		17/7/2015 21:51 61	19/7/2015 10:56 56	19/7/2015 20:01 61		23/7/2015 22:11 62
1572015 21:10       60       17772015 22:11       40       19772015 12:15       61       23772015 21:15       23772015 22:15       22       23772015 22:15       23772015 22:15       23772015 22:15       23772015 22:15       23772015 22:15       23772015 22:16						
1572016 2211       60       19772015 2216       22       2772015 2236       62         1572015 2115 62       19772015 2216       62       19772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       62       21772015 2216       61       21772015 1216       61						
1572015 21:1       40       1772015 22:1       61       1972015 13:0       61       2172015 21:4       62       2772015 22:4       61         1572015 21:6       40       1772015 22:4       10       1972015 13:0       64       2172015 21:6       62       2472015 14:6       62       2472015 14:6       64       2472015 14:6       64       2472015 14:6       64       2472015 14:6       64       2472015 14:6       64       2472015 14:6       64       2472015 14:6       64       2472015 14:6       64       2472015 14:6       64       2472015 14:6       64       2472015 14:6       64       2472015 14:6       65       1972015 21:6       64       2472015 14:6       65       1972015 21:6       64       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1       60       2472015 14:1						
1672016 21:06       40       1772015 22:16       22772015 12:16       27772015 22:16       22772015 12:16						
157/2015 2138       49       177/2015 2241       60       197/2015 1146       67       197/2015 2046       49       217/2015 2245       62       247/2015 1406       64         157/2015 2141       62       177/2015 2256       61       197/2015 1206       64       217/2015 2216       62       247/2015 1406       64         157/2015 2166       62       197/2015 1206       63       197/2015 1206       62       247/2015 1206       62       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       62       247/2015 1206       62       247/2015 1206       62       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       64       247/2015 1206       67       197/2015 1216       64       247	15/7/2015 21:26 40	17/7/2015 22:31 50	19/7/2015 11:36 58	19/7/2015 20:41 61	21/7/2015 21:46 45	23/7/2015 22:51 62
15720152141       62       1772015224       63       19720151165       64       247720151205       64       24772015116         157720152140       62       1977201512516       62       197720151205       61       21772015224       62       24772015116       64       247720151216       61       2477201512516       60       2477201512516       60       2477201512516       60       2477201512516       60       2477201512516       60       2477201512516       60       2477201512516       61       247720151251616       61       24772015						
167/2015 21:51       62       177/2015 22:66       61       197/2015 12:06       62       277/2015 22:16       62       247/2015 12:05       62 <td< td=""><td>15/7/2015 21:41 62</td><td>17/7/2015 22:46 53</td><td>19/7/2015 11:51 58</td><td>19/7/2015 20:56 49</td><td>21/7/2015 22:01 54</td><td>24/7/2015 19:06 64</td></td<>	15/7/2015 21:41 62	17/7/2015 22:46 53	19/7/2015 11:51 58	19/7/2015 20:56 49	21/7/2015 22:01 54	24/7/2015 19:06 64
157/2015 2156 62       147/2015 1216 63       197/2015 1216 64       217/2015 2216 60       247/2015 1126 62         157/2015 2216 61       167/2015 120 63       197/2015 121 50       197/2015 121 64       217/2015 221 62       247/7015 1128 61         157/2015 221 61       117/2015 121 62       197/2015 123 68       197/2015 123 64       217/2015 123 64       247/7015 1138 64         157/2015 221 62       187/2015 122 66       197/2015 123 65       197/2015 123 64       217/2015 123 64       247/7015 1134 64         157/2015 223 61       187/2015 123 65       197/2015 123 65       197/2015 123 65       247/7015 1134 64       217/2015 224 66       247/7015 1134 165 60         157/2015 224 61       187/2015 1144 67       197/2015 123 65       197/2015 123 66       247/7015 120 16       247/7015 120						
15/7/2015 22:06       61       18/7/2015 12:16       65       19/7/2015 12:16       62       21/7/2015 22:26       62       21/7/2015 22:36       62       21/7/2015 22:36       62       21/7/2015 22:36       62       21/7/2015 22:36       62       21/7/2015 22:36       62       21/7/2015 12:36       62       21/7/2015 12:36       62       21/7/2015 12:36       62       21/7/2015 12:36       62       21/7/2015 12:36       62       24/7/2015 11:64       64       21/7/2015 12:36       62       24/7/2015 11:64       64       24/7/2015 11:64       64       24/7/2015 11:64       62       21/7/2015 12:24       62       14/7/2015 11:64       64       24/7/2015 11:56       62       24/7/2015 11:56       62       24/7/2015 11:56       62       24/7/2015 11:56       62       24/7/2015 11:56       62       24/7/2015 11:56       62       24/7/2015 11:56       62       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2015 12:56       61       24/7/2	15/7/2015 21:56 62		19/7/2015 12:06 56	19/7/2015 21:11 61	21/7/2015 22:16 50	
15/72015 22:16       1       19/72015 12:26       66       19/72015 22:36       62       24/72015 12:35       62       24/72015 12:35       61       12/72015 22:46       62       24/72015 12:35       67       19/72015 21:36       61       21/72015 22:46       62       24/72015 12:35       67       19/72015 21:31       62       24/72015 12:35       61       22/72015 12:36       61       22/72015 12:36       61       22/72015 12:36       61       22/72015 12:36       61       22/72015 12:36       61       22/72015 12:36       61       22/72015 12:36       61       22/72015 12:36       61       22/72015 12:36       61       22/72015 12:30       66       24/72015 20:31       50       19/72015 12:35       51       19/72015 12:35       51       19/72015 22:36       61       12/72015 20:16       50       19/72015 12:35       51       19/72015 22:36       61       22/72015 12:31       64       24/72015 20:16       52       24/72015 20:16       52       24/72015 20:16       52       24/72015 20:16       52       24/72015 20:16       52       24/72015 20:16       52       24/72015 20:16       52       24/72015 20:16       52       24/72015 20:16       52       24/72015 20:16       52       24/72015 20:16       52       24/72015 20:16       52						
16/7/2015 22.21       61       18/7/2015 12.26       61       21/7/2015 22.41       62       24/7/2015 12.46       71/7/2015 22.41       62       24/7/2015 12.65       61       21/7/2015 12.25       62       24/7/2015 12.65       61       21/7/2015 12.26       62       24/7/2015 12.65       61       21/7/2015 12.65       61       21/7/2015 12.65       61       21/7/2015 12.65       61       21/7/2015 12.65       61       21/7/2015 12.65       61       21/7/2015 12.65       61       21/7/2015 12.65       61       11/7/2015 12.65       61       11/7/2015 12.65       61       11/7/2015 12.65       61       11/7/2015 12.65       61       11/7/2015 12.05       65       21/7/2015 12.05       61       21/7/2015 12.05       61       11/7/2015 12.05       61       11/7/2015 12.05       61       11/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05       61       21/7/2015 12.05						
15/72015 22.31 62         18/72015 19:36 68         19/72015 12:41 57         19/72015 12:45 61         21/72015 22:51 62         24/72015 20:01 57           15/72015 22:41 61         18/72015 19:46 67         19/72015 12:25 61         22/72015 19:06 68         24/72015 20:01 57           15/72015 22:46 11         18/72015 12:35 169         19/72015 12:35 64         19/72015 12:25 61         22/72015 19:06 68         24/72015 20:01 57           15/72015 22:66 61         18/72015 20:01 58         19/72015 12:16 61         22/72015 19:06 68         24/72015 20:11 54           16/72015 19:06 60         18/72015 20:11 60         19/72015 13:16 67         19/72015 12:26 61         22/72015 19:16 68         24/72015 20:31 47           16/772015 19:01 63         18/72015 30:11 60         19/72015 13:16 67         19/72015 12:26 61         22/72015 19:31 65         24/72015 20:31 47           16/772015 19:31 65         19/72015 32:36 58         19/72015 22:26 61         22/72015 19:31 65         24/72015 20:31 65         19/72015 20:31 65         19/72015 20:31 61         19/72015 20:31 61         19/72015 20:31 61         19/72015 20:31 62         19/72015 20:36 62         24/72015 20:36 62         24/72015 20:36 62         24/72015 20:36 62         24/72015 20:36 62         24/72015 20:36 62         24/72015 20:36 62         24/72015 20:36 62         24/72015 20:36 62         24/72015 20:36 162         24/72015 20:36	15/7/2015 22:21 62	18/7/2015 19:26 61	19/7/2015 12:31 55	19/7/2015 21:36 61	21/7/2015 22:41 62	24/7/2015 19:46 57
15/7/2015 22:36 62         18/7/2015 19:41 60         19/7/2015 12:46 57         19/7/2015 21:56 61         22/7/2015 19:01 68         24/7/2015 20:05 57           15/7/2015 22:45 11         18/7/2015 19:21 60         18/7/2015 12:26 64         19/7/2015 12:01 64         22/7/2015 19:01 68         24/7/2015 20:01 63           15/7/2015 22:15 11         18/7/2015 12:05 60         19/7/2015 12:05 61         22/7/2015 19:11 64         24/7/2015 20:01 63           16/7/2015 12:01 63         18/7/2015 20:06 53         19/7/2015 13:11 54         19/7/2015 12:22 64         22/7/2015 19:11 64         24/7/2015 20:21 67           16/7/2015 19:01 63         18/7/2015 20:16 67         19/7/2015 13:21 66         19/7/2015 22:31 61         22/7/2015 19:31 65         24/7/2015 20:31 47           16/7/2015 19:16 69         18/7/2015 20:21 63         19/7/2015 12:23 61         19/7/2015 22:31 61         22/7/2015 19:36 65         24/7/2015 20:36 162           16/7/2015 19:21 68         19/7/2015 13:31 67         19/7/2015 22:36 163         19/7/2015 22:36 164         24/7/2015 20:01 62           16/7/2015 19:26 65         19/7/2015 13:36 65         19/7/2015 22:36 164         24/7/2015 20:01 62         24/7/2015 20:01 62           16/7/2015 19:26 65         19/7/2015 13:36 57         19/7/2015 22:06 67         22/7/2015 20:01 64         24/7/2015 20:01 62           16/7/2015 19:26 65         19/7/2015 20						
15/7/2015 22-46       19/7/2015 12-56       64       19/7/2015 22:06       62       22/7/2015 19:01       66       24/7/2015 22:01       53         15/7/2015 22:25       61       18/7/2015 22:06       62       22/7/2015 19:11       64       24/7/2015 22:06       64       24/7/2015 22:06       52       22/7/2015 19:11       64       24/7/2015 22:06       64       24/7/2015 22:02       64       24/7/2015 22:02       64       24/7/2015 22:02       64       24/7/2015 22:02       64       24/7/2015 22:02       64       24/7/2015 22:02       64       24/7/2015 22:02       64       24/7/2015 22:02       64       24/7/2015 22:02       64       24/7/2015 22:02       64       24/7/2015 22:02       64       24/7/2015 22:04       66       24/7/2015 22:04       64       24/7/2015 22:04       64       24/7/2015 22:05       65       18/7/2015 22:04       65       18/7/2015 22:04       65       18/7/2015 22:04       65       14/7/2015 22:04       66       24/7/2015 22:05       62       24/7/2015 22:05       62       24/7/2015 22:05       62       24/7/2015 22:05       62       24/7/2015 22:05       62       24/7/2015 22:05       62       24/7/2015 22:05       62       24/7/2015 22:05       62       24/7/2015 22:05       62       24/7/2015 22:05       62       24/7/	15/7/2015 22:36 62	18/7/2015 19:41 60	19/7/2015 12:46 57	19/7/2015 21:51 62	21/7/2015 22:56 61	24/7/2015 20:01 57
15/7/2015 22:56       61       18/7/2015 22:16       22/7/2015 19:16       64       24/7/2015 20:21       64         16/7/2015 19:01       63       18/7/2015 20:16       67       19/7/2015 13:16       57       19/7/2015 22:21       61       22/7/2015 19:21       64       24/7/2015 20:23       65         16/7/2015 19:16       69       18/7/2015 20:21       67       19/7/2015 13:26       68       24/7/2015 20:23       67       22/7/2015 19:31       65       24/7/2015 20:24       66       24/7/2015 20:24       66       24/7/2015 20:34       65       24/7/2015 20:34       65       24/7/2015 20:34       65       24/7/2015 20:36       55       18/7/2015 20:34       65       19/7/2015 13:45       58       19/7/2015 12:44       61       22/7/2015 19:46       44       24/7/2015 20:56       24/7/2015 20:36       65       12/7/2015 19:45       64       24/7/2015 20:16       24/7/2015 20:16       24/7/2015 20:16       64       24/7/2015 20:16       64       24/7/2015 20:16       64       24/7/2015 20:16       64       24/7/2015 20:16       64       24/7/2015 20:16       64       24/7/2015 20:16       64       24/7/2015 20:16       64       24/7/2015 20:16       64       24/7/2015 20:16       64       24/7/2015 20:16       64       24/7/2015 20:16       64						
16/7/2015 19:01 63         18/7/2015 20:06 60         19/7/2015 13:11 64         19/7/2015 12:21 61         22/7/2015 19:21 64         24/7/2015 20:23 65           16/7/2015 19:11 69         18/7/2015 20:21 68         19/7/2015 13:21 58         19/7/2015 22:26 61         22/7/2015 19:36 65         24/7/2015 20:31 65           16/7/2015 19:21 68         18/7/2015 20:21 68         19/7/2015 13:23 68         19/7/2015 22:36 67         22/7/2015 19:46 64         24/7/2015 20:44 62           16/7/2015 19:22 65         18/7/2015 20:31 65         19/7/2015 13:36 56         19/7/2015 13:45         64         24/7/2015 20:46 62           16/7/2015 19:26 65         18/7/2015 20:31 65         19/7/2015 13:45         66         22/7/2015 19:66 64         24/7/2015 20:56 62           16/7/2015 19:46 62         18/7/2015 20:56 63         19/7/2015 13:65 66         22/7/2015 19:06 64         24/7/2015 20:16 64         24/7/2015 20:16 64         24/7/2015 20:16 64         24/7/2015 20:16 64         24/7/2015 20:16 64         24/7/2015 20:16 64         24/7/2015 20:16 62         16/7/2015 20:06 65         24/7/2015 20:16 64         24/7/2015 20:16 64         24/7/2015 20:16 64         24/7/2015 20:16 64         24/7/2015 20:16 64         24/7/2015 20:16 64         24/7/2015 20:16 162         16/7/2015 20:06 65         24/7/2015 20:16 64         24/7/2015 20:16 162         16/7/2015 20:06 65         24/7/2015 20:16 163         16/7/2015 20:06 65<						
16/7/2015 19:11 69         18/7/2015 20:21 65         19/7/2015 13:23 65         19/7/2015 22:36 67         22/7/2015 19:36 65         24/7/2015 20:36 66           16/7/2015 19:21 68         18/7/2015 20:23 65         19/7/2015 13:31 57         19/7/2015 22:36 57         22/7/2015 19:34 64         24/7/2015 20:34 62           16/7/2015 19:23 65         18/7/2015 20:34 65         19/7/2015 13:36 58         19/7/2015 12:24 61         22/7/2015 19:36 64         24/7/2015 20:36 62           16/7/2015 19:36 55         18/7/2015 20:34 65         19/7/2015 13:36 58         12/7/2015 19:36 64         24/7/2015 20:16 16:16 67         20/7/2015 20:16 16:16 61         20/7/2015	16/7/2015 19:01 63	18/7/2015 20:06 59	19/7/2015 13:11 54	19/7/2015 22:16 61	22/7/2015 19:21 64	24/7/2015 20:26 54
16/7/2015 19:21 58         18/7/2015 20:21 58         19/7/2015 19:26 57         22/7/2015 19:36 65         24/7/2015 20:34 62           16/7/2015 19:26 55         18/7/2015 20:31 52         19/7/2015 13:31 57         19/7/2015 22:31 61         22/7/2015 19:46 64         24/7/2015 20:36 62           16/7/2015 19:36 55         18/7/2015 20:36 55         19/7/2015 19:36 64         24/7/2015 20:36 62         24/7/2015 20:36 62           16/7/2015 19:36 64         18/7/2015 20:36 55         18/7/2015 20:36 65         22/7/2015 19:36 64         24/7/2015 20:36 62           16/7/2015 19:36 64         18/7/2015 20:36 56         19/7/2015 19:36 64         24/7/2015 20:16 62         24/7/2015 20:16 62         24/7/2015 20:16 62         24/7/2015 20:16 62         24/7/2015 20:16 62         24/7/2015 20:16 62         24/7/2015 20:16 62         24/7/2015 20:16 64         24/7/2015 21:16 62         24/7/2015 21:16 62         24/7/2015 21:16 62         24/7/2015 21:16 62         24/7/2015 21:16 62         24/7/2015 21:16 62         24/7/2015 21:16 62         24/7/2015 21:16 62         24/7/2015 21:16 62         24/7/2015 21:36 12:16 62         24/7/2015 21:36 12:16 62         24/7/2015 21:36 12:16 62         24/7/2015 21:36 12:16 62         24/7/2015 21:36 12:16 62         24/7/2015 21:36 12:16 62         24/7/2015 21:36 12:16 62         24/7/2015 21:36 12:16 62         24/7/2015 21:36 12:16 62         24/7/2015 21:36 12:16 62         24/7/2015 21:36 12:16 62         24/7/2015						
16/7/2015 19:26 55       19/7/2015 20:36 55       19/7/2015 19:36 56       22/7/2015 19:56 64       22/7/2015 19:56 64         16/7/2015 19:36 55       18/7/2015 20:36 55       19/7/2015 19:36 56       22/7/2015 19:56 64       22/7/2015 19:56 64         16/7/2015 19:36 55       18/7/2015 20:51 53       19/7/2015 13:51 57       19/7/2015 13:51 57       19/7/2015 13:51 57       22/7/2015 19:50 65       22/7/2015 19:50 65       22/7/2015 20:16 64       24/7/2015 21:16 62         16/7/2015 19:56 52       18/7/2015 20:16 58       19/7/2015 14:11 57       22/7/2015 20:16 64       24/7/2015 21:21 48         16/7/2015 19:56 52       18/7/2015 20:16 59       19/7/2015 14:11 57       20/7/2015 19:16 51       22/7/2015 20:16 64       24/7/2015 21:21 48         16/7/2015 20:06 52       18/7/2015 21:16 59       19/7/2015 14:16 57       20/7/2015 19:21 61       22/7/2015 20:26 64       24/7/2015 21:31 62         16/7/2015 20:26 66       18/7/2015 21:21 58       19/7/2015 14:16 57       20/7/2015 19:31 62       22/7/2015 20:36 64       24/7/2015 21:34 61         16/7/2015 20:26 66       18/7/2015 21:31 57       19/7/2015 14:26 57       20/7/2015 19:31 65       22/7/2015 20:36 64       24/7/2015 21:36 62         16/7/2015 20:26 62       18/7/2015 21:31 57       19/7/2015 14:26 57       20/7/2015 20:16 63       24/7/2015 21:36 62       24/7/2015 21:36 62       24/7/2015 21:36 62	16/7/2015 19:16 59	18/7/2015 20:21 58	19/7/2015 13:26 58	19/7/2015 22:31 61	22/7/2015 19:36 65	24/7/2015 20:41 46
16/7/2015 19:36 55         18/7/2015 20:41 57         19/7/2015 13:45 57         19/7/2015 22:55 68         22/7/2015 20:01 64         24/7/2015 21:06 62           16/7/2015 19:46 62         18/7/2015 20:51 58         19/7/2015 13:55 66         20/7/2015 19:00 56         22/7/2015 20:01 64         24/7/2015 21:06 62           16/7/2015 19:56 52         18/7/2015 20:56 57         19/7/2015 14:01 56         52/7/2015 20:11 64         24/7/2015 21:21 48           16/7/2015 19:56 52         18/7/2015 21:06 58         19/7/2015 14:11 57         20/7/2015 19:16 51         22/7/2015 20:16 64         24/7/2015 21:26 48           16/7/2015 20:06 52         18/7/2015 21:16 64         19/7/2015 14:21 57         20/7/2015 19:21 61         22/7/2015 20:26 64         24/7/2015 21:36 62           16/7/2015 20:16 56         18/7/2015 21:26 57         19/7/2015 14:21 57         20/7/2015 19:31 62         22/7/2015 20:36 64         24/7/2015 21:46 61           16/7/2015 20:26 56         18/7/2015 21:36 57         19/7/2015 14:45 57         20/7/2015 19:36 45         22/7/2015 20:36 64         24/7/2015 21:46 61           16/7/2015 20:26 56         18/7/2015 21:36 57         19/7/2015 14:46 57         20/7/2015 20:41 63         24/7/2015 21:46 61         24/7/2015 21:46 61         24/7/2015 21:46 61         24/7/2015 21:46 61         24/7/2015 21:46 61         24/7/2015 21:46 61         24/7/2015 21:46 61         24/7/2015 21:46 61						
16/7/2015 19:46 62       18/7/2015 20:51 68       19/7/2015 13:56 56       22/7/2015 20:00 64       24/7/2015 21:11 62         16/7/2015 19:56 52       18/7/2015 20:51 65       19/7/2015 13:56 65       22/7/2015 20:11 64       24/7/2015 21:11 64         16/7/2015 19:56 52       18/7/2015 21:01 58       19/7/2015 14:06 56       22/7/2015 20:16 64       24/7/2015 21:21 44         16/7/2015 20:01 64       18/7/2015 21:11 64       19/7/2015 14:15 67       20/7/2015 19:16 51       22/7/2015 20:26 64       24/7/2015 21:31 64         16/7/2015 20:01 66       18/7/2015 21:21 59       19/7/2015 14:25 77       20/7/2015 19:26 61       22/7/2015 20:36 64       24/7/2015 21:31 62         16/7/2015 20:26 66       18/7/2015 21:31 57       19/7/2015 14:36 65       20/7/2015 19:36 45       22/7/2015 20:36 64       24/7/2015 21:31 62         16/7/2015 20:26 66       18/7/2015 21:31 57       19/7/2015 14:36 62       20/7/2015 19:36 45       22/7/2015 20:46 64       24/7/2015 21:56 62         16/7/2015 20:36 62       18/7/2015 21:46 55       19/7/2015 14:45 58       20/7/2015 19:46 57       22/7/2015 20:16 63       24/7/2015 20:16 62         16/7/2015 20:46 64       18/7/2015 21:46 59       19/7/2015 14:45 58       20/7/2015 20:16 56       24/7/2015 21:16 62       24/7/2015 22:16 62         16/7/2015 20:46 64       18/7/2015 21:46 59       19/7/2015 14:56 58       20/7/201						
$ \begin{array}{l} 167/2015 19:56 52 \\ 167/2015 19:56 52 \\ 167/2015 21:01 65 \\ 197/2015 21:01 65 \\ 197/2015 12:01 62 \\ 197/2015 12:01 62 \\ 197/2015 12:01 62 \\ 197/2015 12:01 62 \\ 197/2015 12:01 66 \\ 207/2015 19:01 65 \\ 207/2015 10:01 66 \\ 247/2015 22:01 62 \\ 197/2015 22:01 62 \\ 197/2015 12:01 66 \\ 247/2015 22:01 62 \\ 197/2015 12:01 50 \\ 197/2015 12:01 55 \\ 197/2015 12:01 55 \\ 197/2015 12:01 50 \\ 197/2015 12:01 56 \\ 197/2015 12:01 56 \\ 197/2015 12:01 56 \\ 197/2015 12:01 56 \\ 197/2015 12:01 56 \\ 207/2015 12:01 56 \\ 227/2015 2:11 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 197/2015 12:0 56 \\ 197/2015 12:0 56 \\ 197/2015 12:0 56 \\ 197/2015 12:0 56 \\ 227/2015 12:1 66 \\ 227/2015 12:1 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 62 \\ 247/2015 2:21 61 \\ 247/2015 2:21 61 \\ 247/2015 2:21 61 \\ 247/2015 2:21 61 \\ 247/2015 2:21 61 \\ 247/2015 2:21 61 \\ 247/2015 2:21 61 \\ 247/2015 2$	16/7/2015 19:41 51	18/7/2015 20:46 49	19/7/2015 13:51 57	19/7/2015 22:56 61	22/7/2015 20:01 64	24/7/2015 21:06 62
16/7/2015 9:56         22/7/2015 2:01:6         64         24/7/2015 2:12:1         64           16/7/2015 2:00:6         52         18/7/2015 2:10:6         59         19/7/2015 1:15         22/7/2015 19:16         61         22/7/2015 2:20:16         64         24/7/2015 1:20:3         64           16/7/2015 2:00:6         52         18/7/2015 2:11:6         19/7/2015 1:42:15         72         20/7/2015 19:26         64         24/7/2015 2:13:6         62           16/7/2015 2:01:6         66         18/7/2015 2:12:6         75         20/7/2015 19:36         64         24/7/2015 2:14:6         61           16/7/2015 2:02:6         66         18/7/2015 2:13:6         72         20/7/2015 19:36         64         24/7/2015 2:14:6         61           16/7/2015 2:02:6         65         18/7/2015 2:13:6         55         19/7/2015 1:44:6         57         22/7/2015 2:05:6         62         24/7/2015 2:20:6         62           16/7/2015 2:02:6         62         18/7/2015 2:14:6         61         18/7/2015 2:14:6         61         24/7/2015 2:20:6         62         24/7/2015 2:20:6         62         24/7/2015 2:20:6         62         24/7/2015 2:20:6         62         24/7/2015 2:20:6         62         24/7/2015 2:20:6         62         24/7/2015 2:20:6         <						
167/2015 20:06 52         187/2015 21:16 54         197/2015 14:16 57         207/2015 19:26 61         227/2015 20:26 64         247/2015 21:36 52           167/2015 20:16 66         187/2015 21:26 57         197/2015 14:26 57         207/2015 19:36 62         227/2015 20:36 64         247/2015 21:36 57           167/2015 20:26 56         187/2015 21:36 57         197/2015 14:36 56         207/2015 19:36 45         227/2015 20:36 64         247/2015 21:36 57           167/2015 20:36 52         187/2015 21:36 57         197/2015 14:46 57         207/2015 19:46 57         227/2015 20:46 64         247/2015 21:36 52           167/2015 20:36 52         187/2015 21:41 58         197/2015 14:45 58         207/2015 19:45 55         227/2015 20:16 63         247/2015 20:16 62           167/2015 20:46 61         187/2015 21:41 58         197/2015 14:45 58         207/2015 20:01 57         227/2015 21:11 63         247/2015 22:01 62           167/2015 20:46 61         187/2015 21:15 55         197/2015 15:01 58         207/2015 20:16 57         227/2015 21:11 63         247/2015 22:16 62           167/2015 20:46 61         187/2015 22:06 62         197/2015 15:01 58         207/2015 20:16 56         227/2015 21:16 62         247/2015 22:16 2           167/2015 20:16 55         187/2015 22:16 61         197/2015 15:01 58         207/2015 20:16 56         227/2015 21:16 62         247/2015 22:16 2<	16/7/2015 19:56 52	18/7/2015 21:01 58	19/7/2015 14:06 56	20/7/2015 19:11 52	22/7/2015 20:16 64	24/7/2015 21:21 44
16/7/2015 20:16         62         18/7/2015 21:21         58         19/7/2015 14:21         57         20/7/2015 19:26         61         22/7/2015 20:36         64         24/7/2015 21:45         62           16/7/2015 20:21         56         18/7/2015 21:23         57         19/7/2015 14:31         56         20/7/2015 19:36         64         22/7/2015 20:36         64         24/7/2015 21:46         61           16/7/2015 20:31         62         18/7/2015 21:31         57         19/7/2015 14:41         57         20/7/2015 19:46         57         22/7/2015 20:46         64         24/7/2015 21:66         62           16/7/2015 20:36         62         18/7/2015 21:46         58         20/7/2015 19:46         55         22/7/2015 20:56         62         24/7/2015 20:66         24/7/2015 20:16         53         24/7/2015 20:16         53         24/7/2015 20:16         53         24/7/2015 20:16         53         24/7/2015 20:16         53         24/7/2015 20:16         53         24/7/2015 20:16         53         24/7/2015 20:16         52         24/7/2015 20:16         53         24/7/2015 20:17         53         22/7/2015 21:16         52         24/7/2015 20:17         53         22/7/2015 21:16         52         24/7/2015 20:16         52         24/7/2015 20:16						
167/2015 20:21 66         187/2015 21:26 57         197/2015 14:31 56         207/2015 19:36 45         227/2015 20:41 64         24/7/2015 21:31 61           167/2015 20:31 62         187/2015 21:36 55         197/2015 14:46 57         207/2015 19:46 57         227/2015 20:51 63         24/7/2015 21:36 62           167/2015 20:41 63         187/2015 21:41 58         197/2015 14:45 58         207/2015 19:55         227/2015 20:56 62         24/7/2015 22:06 62           167/2015 20:44 63         187/2015 21:46 59         197/2015 14:45 58         207/2015 20:06 56         227/2015 21:01 63         24/7/2015 22:06 62           167/2015 20:51 68         187/2015 21:56 58         197/2015 16:06 18         207/2015 20:06 56         227/72015 21:11 63         24/7/2015 22:26 62           167/2015 20:56 61         187/2015 22:01 62         197/2015 15:06 60         207/2015 20:16 56         227/72015 21:16 62         24/7/2015 22:26 62           167/2015 20:06 52         187/2015 22:01 62         197/2015 15:16 16         207/2015 20:26 56         227/72015 21:26 62         24/7/2015 22:26 62           167/2015 21:16 62         187/2015 22:21 65         197/2015 15:26 61         207/2015 20:26 56         227/2015 21:31 61         24/7/2015 22:26 62           167/2015 21:16 62         187/2015 22:21 65         197/2015 15:26 61         207/2015 20:21 65         227/2015 21:36 62         24/7/201					22/7/2015 20:31 64	
16/7/2015 20:26       56       18/7/2015 21:31       57       19/7/2015 14:36       56       20/7/2015 19:46       57       22/7/2015 20:36       62       24/7/2015 21:56       62         16/7/2015 20:36       52       18/7/2015 21:41       58       19/7/2015 14:46       57       20/7/2015 19:56       55       22/7/2015 20:56       62       24/7/2015 21:56       62         16/7/2015 20:46       18/7/2015 21:46       59       19/7/2015 14:46       57       20/7/2015 20:01       57       22/7/2015 20:56       62       24/7/2015 21:16       63       24/7/2015 21:16       63       24/7/2015 21:16       63       24/7/2015 21:16       63       24/7/2015 21:11       63       24/7/2015 22:11       62       19/7/2015 15:06       60       22/7/2015 20:01       53       22/7/2015 21:11       63       24/7/2015 22:16       62       14/7/2015 22:16       62       24/7/2015 22:16       62       24/7/2015 22:16       62       24/7/2015 22:16       20/7/2015 20:11       53       22/7/2015 21:21       62       24/7/2015 22:21       62       24/7/2015 22:21       62       24/7/2015 22:21       62       24/7/2015 22:21       62       24/7/2015 22:21       62       24/7/2015 22:21       62       24/7/2015 22:21       62       24/7/2015 22:21       62       24/7	16/7/2015 20:21 56	18/7/2015 21:26 57	19/7/2015 14:31 56	20/7/2015 19:36 45	22/7/2015 20:41 64	24/7/2015 21:46 61
16/7/2015 20:36         52         18/7/2015 21:41         58         19/7/2015 14:51         55         22/7/2015 20:56         62         24/7/2015 22:06         62           16/7/2015 20:46         1         18/7/2015 21:51         58         19/7/2015 19:56         56         22/7/2015 21:06         63         24/7/2015 22:16         53         24/7/2015 22:16         53         24/7/2015 22:16         53         24/7/2015 22:16         53         24/7/2015 22:16         53         24/7/2015 22:16         53         24/7/2015 22:16         53         24/7/2015 22:16         53         24/7/2015 22:16         53         24/7/2015 22:16         53         24/7/2015 22:16         53         24/7/2015 22:16         53         24/7/2015 22:16         52         24/7/2015 22:26         52         24/7/2015 22:26         52         24/7/2015 22:26         52         24/7/2015 22:26         52         24/7/2015 22:26         52         24/7/2015 22:26         52         24/7/2015 22:26         52         24/7/2015 22:26         52         24/7/2015 22:26         52         24/7/2015 22:36         52         24/7/2015 22:36         52         24/7/2015 22:36         52         24/7/2015 22:36         52         24/7/2015 22:36         52         24/7/2015 22:36         52         24/7/2015 22:36         52						
167/2015 20:46 61 $187/12015 21:51 58$ $197/2015 12:56 58$ $207/2015 20:01 57$ $227/2015 21:06 63$ $247/2015 22:16 61$ $167/2015 20:56 61$ $187/12015 22:01 62$ $197/2015 15:06 60$ $207/2015 20:06 56$ $227/12015 21:16 62$ $247/12015 22:21 62$ $167/2015 21:06 52$ $187/12015 22:06 54$ $197/2015 15:16 68$ $207/2015 20:16 56$ $227/12015 21:16 62$ $247/12015 22:21 62$ $167/2015 21:06 52$ $187/12015 22:16 57$ $197/2015 15:16 58$ $207/72015 20:21 55$ $227/12015 21:26 62$ $247/12015 22:26 62$ $167/2015 21:16 52$ $187/12015 22:16 57$ $197/2015 15:16 58$ $207/72015 20:26 56$ $227/12015 21:36 62$ $247/12015 22:36 61$ $167/2015 21:16 62$ $187/12015 22:26 54$ $197/2015 15:31 59$ $207/2015 20:36 61$ $227/12015 21:36 62$ $247/12015 22:34 61$ $167/2015 21:31 54$ $187/12015 22:31 62$ $197/2015 15:31 59$ $207/2015 20:36 61$ $227/12015 21:46 61$ $247/12015 22:46 47$ $167/2015 21:31 54$ $187/12015 22:31 62$ $197/12015 15:41 53$ $207/2015 20:46 55$ $227/12015 21:46 61$ $247/12015 22:56 62$ $167/2015 21:34 56$ $187/12015 22:41 61$ $197/2015 15:51 56$ $207/2015 20:51 54$ $227/12015 22:06 63$ $257/12015 19:01 59$ $167/2015 21:46 61$ $187/12015 22:51 61$ $197/2015 15:56 54$ $207/2015 20:16 63$ $227/12015 22:16 61$ $257/12015 19:01 59$ $167/2015 21:56 51$ $197/2015 15:56 54$ $207/2015 21:16 63$ $227/12015 22:16 61$ $257/12015 19:11 60$ $167/2015 21:56 51$ $197/2015 15:56 54$ $207/2015 21:16 65$ </td <td>16/7/2015 20:36 52</td> <td>18/7/2015 21:41 58</td> <td>19/7/2015 14:46 57</td> <td>20/7/2015 19:51 55</td> <td>22/7/2015 20:56 62</td> <td>24/7/2015 22:01 62</td>	16/7/2015 20:36 52	18/7/2015 21:41 58	19/7/2015 14:46 57	20/7/2015 19:51 55	22/7/2015 20:56 62	24/7/2015 22:01 62
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$						
16/7/2015 21:01 55       18/7/2015 22:06 54       19/7/2015 15:16 58       20/7/2015 20:16 56       22/7/2015 21:21 62       24/7/2015 22:26 62         16/7/2015 21:11 50       18/7/2015 22:11 51       19/7/2015 15:26 61       20/7/2015 20:26 56       22/7/2015 21:31 61       24/7/2015 22:36 61         16/7/2015 21:16 62       18/7/2015 22:21 55       19/7/2015 15:26 61       20/7/2015 20:36 61       22/7/2015 21:31 61       24/7/2015 22:36 61         16/7/2015 21:26 62       18/7/2015 22:36 61       19/7/2015 15:36 57       20/7/2015 20:36 61       22/7/2015 21:46 61       24/7/2015 22:56 61         16/7/2015 21:31 54       18/7/2015 22:36 61       19/7/2015 15:41 53       20/7/2015 20:41 58       22/7/2015 21:56 61       24/7/2015 22:56 61         16/7/2015 21:36 56       18/7/2015 22:46 60       19/7/2015 15:41 53       20/7/2015 20:51 54       22/7/2015 21:56 61       24/7/2015 22:56 62         16/7/2015 21:41 52       18/7/2015 22:56 61       19/7/2015 15:56 54       20/7/2015 20:51 54       22/7/2015 21:56 61       25/7/2015 19:06 62         16/7/2015 21:46 61       18/7/2015 22:56 61       19/7/2015 15:56 54       20/7/2015 21:16 61       25/7/2015 19:06 62         16/7/2015 21:46 61       18/7/2015 22:56 61       19/7/2015 16:06 58       20/7/2015 21:10 48       22/7/2015 22:16 63       25/7/2015 19:06 62         16/7/2015 22:16 51       19/7/201	16/7/2015 20:51 68	18/7/2015 21:56 54	19/7/2015 15:01 58	20/7/2015 20:06 56	22/7/2015 21:11 63	24/7/2015 22:16 61
$\begin{array}{cccccccccccccccccccccccccccccccccccc$						
$\begin{array}{cccccccccccccccccccccccccccccccccccc$						
$\begin{array}{cccccccccccccccccccccccccccccccccccc$						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $						
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	16/7/2015 21:31 54	18/7/2015 22:36 61	19/7/2015 15:41 53	20/7/2015 20:46 55	22/7/2015 21:51 61	24/7/2015 22:56 62
16/7/2015 21:46         18/7/2015 22:51         61         19/7/2015 15:56         54         20/7/2015 21:01         48         22/7/2015 22:06         63         25/7/2015 19:11         60           16/7/2015 21:51         19         18/7/2015 22:56         61         19/7/2015 16:01         54         20/7/2015 21:06         51         22/7/2015 22:11         63         25/7/2015 19:11         69           16/7/2015 21:56         51         19/7/2015 7:01         59         19/7/2015 16:06         58         20/7/2015 21:16         62         22/7/2015 22:11         62         25/7/2015 19:16         59           16/7/2015 22:01         53         19/7/2015 7:06         60         19/7/2015 16:16         56         20/7/2015 21:16         62         22/7/2015 22:21         60         25/7/2015 19:26         56           16/7/2015 22:16         43         19/7/2015 7:16         63         19/7/2015 16:21         55         20/7/2015 21:31         62         22/7/2015 22:36         50         25/7/2015 19:46         53           16/7/2015 22:21         64         19/7/2015 7:31         61         19/7/2015 16:31         58         20/7/2015 21:31         62         22/7/2015 22:36         50         25/7/2015 19:46         53           16/7/2015 22:36						
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	16/7/2015 21:46 61	18/7/2015 22:51 61	19/7/2015 15:56 54	20/7/2015 21:01 48	22/7/2015 22:06 63	25/7/2015 19:11 60
16/7/2015 22:06 53         19/7/2015 7:11 60         19/7/2015 16:16 56         20/7/2015 21:21 54         22/7/2015 22:26 60         25/7/2015 19:31 52           16/7/2015 22:11 45         19/7/2015 7:16 63         19/7/2015 16:21 55         20/7/2015 21:26 62         22/7/2015 22:31 56         25/7/2015 19:36 56           16/7/2015 22:16 43         19/7/2015 7:21 61         19/7/2015 16:26 55         20/7/2015 21:31 62         22/7/2015 22:36 50         25/7/2015 19:45 56           16/7/2015 22:26 62         19/7/2015 7:26 60         19/7/2015 16:31 58         20/7/2015 21:31 62         22/7/2015 22:36 50         25/7/2015 19:45 53           16/7/2015 22:26 62         19/7/2015 7:31 61         19/7/2015 16:36 57         20/7/2015 21:41 54         22/7/2015 22:46 60         25/7/2015 19:45 53           16/7/2015 22:31 49         19/7/2015 7:36 60         19/7/2015 16:46 57         20/7/2015 21:46 55         22/7/2015 22:46 50         25/7/2015 19:56 50           16/7/2015 22:36 62         19/7/2015 7:46 61         19/7/2015 16:46 57         20/7/2015 21:46 55         22/7/2015 22:56 62         25/7/2015 19:26 50           16/7/2015 22:41 48         19/7/2015 7:46 51         19/7/2015 16:51 58         20/7/2015 21:56 54         23/7/2015 20:01 52         15/7/2015 20:01 52           16/7/2015 22:46 62         19/7/2015 7:51 61         19/7/2015 16:56 57         20/7/2015 22:01 54         23/7/201	16/7/2015 21:56 51	19/7/2015 7:01 59	19/7/2015 16:06 58	20/7/2015 21:11 45	22/7/2015 22:16 62	25/7/2015 19:21 61
16/7/2015 22:11         45         19/7/2015 7:16         63         19/7/2015 16:21         55         20/7/2015 21:26         62         22/7/2015 22:31         56         25/7/2015 19:36         56           16/7/2015 22:16         43         19/7/2015 7:21         61         19/7/2015 16:26         55         20/7/2015 21:31         62         22/7/2015 22:36         50         25/7/2015 19:41         54           16/7/2015 22:21         62         19/7/2015 7:26         60         19/7/2015 16:31         58         20/7/2015 21:36         62         22/7/2015 22:41         62         25/7/2015 19:41         54           16/7/2015 22:26         62         19/7/2015 7:31         61         19/7/2015 16:36         57         20/7/2015 21:41         54         22/7/2015 22:41         62         25/7/2015 19:51         57           16/7/2015 22:31         49         19/7/2015 7:36         60         19/7/2015 16:41         59         20/7/2015 21:41         54         22/7/2015 22:51         61         25/7/2015 19:56         50           16/7/2015 22:36         62         19/7/2015 7:46         51         19/7/2015 16:51         58         20/7/2015 21:51         56         22/7/2015 22:56         62         25/7/2015 20:06         52           16/7/20						
16/7/2015 22:21 6219/7/2015 7:26 6019/7/2015 16:31 5820/7/2015 21:36 6222/7/2015 22:41 6225/7/2015 19:46 5316/7/2015 22:26 6219/7/2015 7:31 6119/7/2015 16:36 5720/7/2015 21:41 5422/7/2015 22:46 5025/7/2015 19:51 5716/7/2015 22:31 4919/7/2015 7:36 6019/7/2015 16:41 5920/7/2015 21:46 5522/7/2015 22:51 6125/7/2015 19:56 5016/7/2015 22:36 6219/7/2015 7:41 6119/7/2015 16:46 5720/7/2015 21:51 5622/7/2015 22:56 6225/7/2015 20:01 5216/7/2015 22:44 4819/7/2015 7:46 5119/7/2015 16:51 5820/7/2015 21:56 5423/7/2015 19:06 5725/7/2015 20:06 5216/7/2015 22:46 6219/7/2015 7:51 6119/7/2015 16:56 5720/7/2015 22:01 5423/7/2015 19:06 5725/7/2015 20:11 43	16/7/2015 22:11 45	19/7/2015 7:16 63	19/7/2015 16:21 55	20/7/2015 21:26 62	22/7/2015 22:31 56	25/7/2015 19:36 56
16/7/2015 22:26         62         19/7/2015 7:31         61         19/7/2015 16:36         57         20/7/2015 21:41         54         22/7/2015 22:46         50         25/7/2015 19:51         57           16/7/2015 22:31         49         19/7/2015 7:36         60         19/7/2015 16:41         59         20/7/2015 21:46         55         22/7/2015 22:51         61         25/7/2015 19:56         50           16/7/2015 22:36         62         19/7/2015 7:41         61         19/7/2015 16:46         57         20/7/2015 21:41         55         22/7/2015 22:56         62         25/7/2015 19:56         50           16/7/2015 22:36         62         19/7/2015 7:46         51         19/7/2015 16:51         58         20/7/2015 21:51         54         23/7/2015 19:06         52         25/7/2015 20:01         52         25/7/2015 20:01         52         25/7/2015 20:01         52         25/7/2015 20:01         52         25/7/2015 20:01         50         25/7/2015 20:01         52         25/7/2015 20:01         52         25/7/2015 20:01         52         25/7/2015 20:01         52         25/7/2015 20:01         52         25/7/2015 20:01         52         25/7/2015 20:01         52         25/7/2015 20:01         52         25/7/2015 20:01         52         25/7/2015						
16/7/2015 22:36         62         19/7/2015 7:41         61         19/7/2015 16:46         20/7/2015 21:51         56         22/7/2015 22:56         62         25/7/2015 20:01         52           16/7/2015 22:41         48         19/7/2015 7:46         51         19/7/2015 16:51         58         20/7/2015 21:56         54         23/7/2015 19:01         56         25/7/2015 20:06         52           16/7/2015 22:46         62         19/7/2015 7:51         61         19/7/2015 16:56         57         20/7/2015 22:01         54         23/7/2015 19:06         57         25/7/2015 20:11         43	16/7/2015 22:26 62	19/7/2015 7:31 61	19/7/2015 16:36 57	20/7/2015 21:41 54	22/7/2015 22:46 50	25/7/2015 19:51 57
16/7/2015 22:46         62         19/7/2015 7:51         61         19/7/2015 16:56         57         20/7/2015 22:01         54         23/7/2015 19:06         57         25/7/2015 20:11         43	16/7/2015 22:36 62	19/7/2015 7:41 61	19/7/2015 16:46 57	20/7/2015 21:51 56	22/7/2015 22:56 62	25/7/2015 20:01 52

Real-time Noise Data 25/7/2015 20:21 53	RTN2a (Hong Kong Electric Cent 26/7/2015 13:26 57	re) 26/7/2015 22:31 46	28/6/2015 4:21 58	29/6/2015 5:26 58	30/6/2015 6:31 56
25/7/2015 20:26 53	26/7/2015 13:31 59	26/7/2015 22:36 61	28/6/2015 4:26 57	29/6/2015 5:31 58	30/6/2015 6:36 57
25/7/2015 20:31 51 25/7/2015 20:36 53	26/7/2015 13:36 57 26/7/2015 13:41 56	26/7/2015 22:41 62 26/7/2015 22:46 48	28/6/2015 4:31 58 28/6/2015 4:36 58	29/6/2015 5:36 44 29/6/2015 5:41 38	30/6/2015 6:41 59 30/6/2015 6:46 58
25/7/2015 20:41 53	26/7/2015 13:46 58	26/7/2015 22:51 61	28/6/2015 4:41 58	29/6/2015 5:46 46	30/6/2015 6:51 59
25/7/2015 20:46 62 25/7/2015 20:51 48	26/7/2015 13:51 56 26/7/2015 13:56 58	26/7/2015 22:56 61 27/7/2015 19:01 66	28/6/2015 4:46 46 28/6/2015 4:51 57	29/6/2015 5:51 46 29/6/2015 5:56 49	30/6/2015 6:56 60 30/6/2015 23:01 59
25/7/2015 20:56 62	26/7/2015 14:01 62	27/7/2015 19:06 65	28/6/2015 4:51 57	29/6/2015 6:01 52	30/6/2015 23:06 59
25/7/2015 21:01 54	26/7/2015 14:06 59	27/7/2015 19:11 65	28/6/2015 5:01 54	29/6/2015 6:06 50	30/6/2015 23:11 59
25/7/2015 21:06 51 25/7/2015 21:11 62	26/7/2015 14:11 57 26/7/2015 14:16 57	27/7/2015 19:16 63 27/7/2015 19:21 59	28/6/2015 5:06 62 28/6/2015 5:11 58	29/6/2015 6:11 54 29/6/2015 6:16 53	30/6/2015 23:16 58 30/6/2015 23:21 59
25/7/2015 21:16 61	26/7/2015 14:21 58	27/7/2015 19:26 57	28/6/2015 5:16 58	29/6/2015 6:21 56	30/6/2015 23:26 58
25/7/2015 21:21 62 25/7/2015 21:26 62	26/7/2015 14:26 59 26/7/2015 14:31 59	27/7/2015 19:31 60 27/7/2015 19:36 60	28/6/2015 5:21 68 28/6/2015 5:26 62	29/6/2015 6:26 57 29/6/2015 6:31 59	30/6/2015 23:31 57 30/6/2015 23:36 59
25/7/2015 21:31 56	26/7/2015 14:36 59	27/7/2015 19:41 61	28/6/2015 5:31 52	29/6/2015 6:36 59	30/6/2015 23:41 59
25/7/2015 21:36 46 25/7/2015 21:41 51	26/7/2015 14:41 60 26/7/2015 14:46 59	27/7/2015 19:46 60 27/7/2015 19:51 56	28/6/2015 5:36 53 28/6/2015 5:41 52	29/6/2015 6:41 58 29/6/2015 6:46 59	30/6/2015 23:46 57 30/6/2015 23:51 57
25/7/2015 21:46 48	26/7/2015 14:51 59	27/7/2015 19:56 59	28/6/2015 5:46 48	29/6/2015 6:51 60	30/6/2015 23:56 59
25/7/2015 21:51 45	26/7/2015 14:56 55	27/7/2015 20:01 60	28/6/2015 5:51 51	29/6/2015 6:56 59	1/7/2015 0:01 57
25/7/2015 21:56 62 25/7/2015 22:01 62	26/7/2015 15:01 58 26/7/2015 15:06 58	27/7/2015 20:06 53 27/7/2015 20:11 46	28/6/2015 5:56 50 28/6/2015 6:01 50	29/6/2015 23:01 60 29/6/2015 23:06 57	1/7/2015 0:06 57 1/7/2015 0:11 57
25/7/2015 22:06 50	26/7/2015 15:11 57	27/7/2015 20:16 62	28/6/2015 6:06 50	29/6/2015 23:11 57	1/7/2015 0:16 57
25/7/2015 22:11 47 25/7/2015 22:16 47	26/7/2015 15:16 56 26/7/2015 15:21 56	27/7/2015 20:21 50 27/7/2015 20:26 62	28/6/2015 6:11 52 28/6/2015 6:16 54	29/6/2015 23:16 58 29/6/2015 23:21 56	1/7/2015 0:21 56 1/7/2015 0:26 57
25/7/2015 22:21 62	26/7/2015 15:26 56	27/7/2015 20:31 39	28/6/2015 6:21 56	29/6/2015 23:26 57	1/7/2015 0:31 57
25/7/2015 22:26 62 25/7/2015 22:31 62	26/7/2015 15:31 58 26/7/2015 15:36 59	27/7/2015 20:36 36 27/7/2015 20:41 62	28/6/2015 6:26 55 28/6/2015 6:31 54	29/6/2015 23:31 57 29/6/2015 23:36 57	1/7/2015 0:36 56 1/7/2015 0:41 58
25/7/2015 22:36 51	26/7/2015 15:41 58	27/7/2015 20:46 56	28/6/2015 6:36 56	29/6/2015 23:41 55	1/7/2015 0:46 55
25/7/2015 22:41 53 25/7/2015 22:46 62	26/7/2015 15:46 57 26/7/2015 15:51 57	27/7/2015 20:51 45 27/7/2015 20:56 46	28/6/2015 6:41 57 28/6/2015 6:46 57	29/6/2015 23:46 57 29/6/2015 23:51 54	1/7/2015 0:51 58 1/7/2015 0:56 57
25/7/2015 22:51 60	26/7/2015 15:56 56	27/7/2015 21:01 46	28/6/2015 6:51 57	29/6/2015 23:51 54	1/7/2015 0:50 57
25/7/2015 22:56 61	26/7/2015 16:01 55	27/7/2015 21:06 43	28/6/2015 6:56 56	30/6/2015 0:01 54	1/7/2015 1:06 56
26/7/2015 7:01 54 26/7/2015 7:06 62	26/7/2015 16:06 56 26/7/2015 16:11 57	27/7/2015 21:11 62 27/7/2015 21:16 61	28/6/2015 23:01 57 28/6/2015 23:06 57	30/6/2015 0:06 54 30/6/2015 0:11 54	1/7/2015 1:11 55 1/7/2015 1:16 53
26/7/2015 7:11 53	26/7/2015 16:16 56	27/7/2015 21:21 62	28/6/2015 23:11 58	30/6/2015 0:16 51	1/7/2015 1:21 57
26/7/2015 7:16 61 26/7/2015 7:21 61	26/7/2015 16:21 56 26/7/2015 16:26 57	27/7/2015 21:26 62 27/7/2015 21:31 62	28/6/2015 23:16 57 28/6/2015 23:21 57	30/6/2015 0:21 55 30/6/2015 0:26 54	1/7/2015 1:26 53 1/7/2015 1:31 54
26/7/2015 7:26 58	26/7/2015 16:31 57	27/7/2015 21:36 62	28/6/2015 23:26 57	30/6/2015 0:31 52	1/7/2015 1:36 55
26/7/2015 7:31 61 26/7/2015 7:36 61	26/7/2015 16:36 56 26/7/2015 16:41 55	27/7/2015 21:41 62 27/7/2015 21:46 62	28/6/2015 23:31 55 28/6/2015 23:36 56	30/6/2015 0:36 35 30/6/2015 0:41 50	1/7/2015 1:41 52 1/7/2015 1:46 53
26/7/2015 7:41 62	26/7/2015 16:46 55	27/7/2015 21:51 61	28/6/2015 23:41 57	30/6/2015 0:46 57	1/7/2015 1:51 54
26/7/2015 7:46 62	26/7/2015 16:51 56	27/7/2015 21:56 61	28/6/2015 23:46 56	30/6/2015 0:51 39	1/7/2015 1:56 51
26/7/2015 7:51 61 26/7/2015 7:56 61	26/7/2015 16:56 56 26/7/2015 17:01 55	27/7/2015 22:01 55 27/7/2015 22:06 61	28/6/2015 23:51 56 28/6/2015 23:56 53	30/6/2015 0:56 53 30/6/2015 1:01 50	1/7/2015 2:01 51 1/7/2015 2:06 54
26/7/2015 8:01 61	26/7/2015 17:06 57	27/7/2015 22:11 61	29/6/2015 0:01 54	30/6/2015 1:06 35	1/7/2015 2:11 52
26/7/2015 8:06 61 26/7/2015 8:11 62	26/7/2015 17:11 52 26/7/2015 17:16 56	27/7/2015 22:16 62 27/7/2015 22:21 62	29/6/2015 0:06 55 29/6/2015 0:11 53	30/6/2015 1:11 39 30/6/2015 1:16 38	1/7/2015 2:16 54 1/7/2015 2:21 52
26/7/2015 8:16 57	26/7/2015 17:21 57	27/7/2015 22:26 62	29/6/2015 0:16 54	30/6/2015 1:21 37	1/7/2015 2:26 54
26/7/2015 8:21 56 26/7/2015 8:26 55	26/7/2015 17:26 57 26/7/2015 17:31 56	27/7/2015 22:31 61 27/7/2015 22:36 62	29/6/2015 0:21 57 29/6/2015 0:26 53	30/6/2015 1:26 58 30/6/2015 1:31 58	1/7/2015 2:31 51 1/7/2015 2:36 48
26/7/2015 8:31 57	26/7/2015 17:36 53	27/7/2015 22:41 62	29/6/2015 0:20 55	30/6/2015 1:36 58	1/7/2015 2:41 46
26/7/2015 8:36 56	26/7/2015 17:41 54	27/7/2015 22:46 61	29/6/2015 0:36 53	30/6/2015 1:41 58	1/7/2015 2:46 50
26/7/2015 8:41 55 26/7/2015 8:46 56	26/7/2015 17:46 57 26/7/2015 17:51 56	27/7/2015 22:51 46 27/7/2015 22:56 62	29/6/2015 0:41 48 29/6/2015 0:46 53	30/6/2015 1:46 57 30/6/2015 1:51 58	1/7/2015 2:51 49 1/7/2015 2:56 51
26/7/2015 8:51 56	26/7/2015 17:56 56		29/6/2015 0:51 53	30/6/2015 1:56 58	1/7/2015 3:01 45
26/7/2015 8:56 56 26/7/2015 9:01 57	26/7/2015 18:01 52 26/7/2015 18:06 56	Night time: 23:00-07:00	29/6/2015 0:56 49 29/6/2015 1:01 42	30/6/2015 2:01 58 30/6/2015 2:06 57	1/7/2015 3:06 48 1/7/2015 3:11 46
26/7/2015 9:06 60	26/7/2015 18:11 52	28/6/2015 0:01 57	29/6/2015 1:06 50	30/6/2015 2:11 58	1/7/2015 3:16 43
26/7/2015 9:11 58 26/7/2015 9:16 59	26/7/2015 18:16 52 26/7/2015 18:21 56	28/6/2015 0:06 57 28/6/2015 0:11 58	29/6/2015 1:11 58 29/6/2015 1:16 58	30/6/2015 2:16 57 30/6/2015 2:21 57	1/7/2015 3:21 52 1/7/2015 3:26 48
26/7/2015 9:21 58	26/7/2015 18:26 54	28/6/2015 0:16 58	29/6/2015 1:21 58	30/6/2015 2:26 40	1/7/2015 3:31 42
26/7/2015 9:26 59 26/7/2015 9:31 59	26/7/2015 18:31 54 26/7/2015 18:36 54	28/6/2015 0:21 56 28/6/2015 0:26 54	29/6/2015 1:26 47 29/6/2015 1:31 56	30/6/2015 2:31 57 30/6/2015 2:36 57	1/7/2015 3:36 61 1/7/2015 3:41 47
26/7/2015 9:31 59 26/7/2015 9:36 57	26/7/2015 18:30 54	28/6/2015 0:20 54 28/6/2015 0:31 56	29/6/2015 1:31 56 29/6/2015 1:36 58	30/6/2015 2:41 58	1/7/2015 3:41 47
26/7/2015 9:41 59	26/7/2015 18:46 54	28/6/2015 0:36 56	29/6/2015 1:41 52	30/6/2015 2:46 57	1/7/2015 3:51 51
26/7/2015 9:46 57 26/7/2015 9:51 60	26/7/2015 18:51 56 26/7/2015 18:56 55	28/6/2015 0:41 55 28/6/2015 0:46 56	29/6/2015 1:46 58 29/6/2015 1:51 58	30/6/2015 2:51 57 30/6/2015 2:56 56	1/7/2015 3:56 54 1/7/2015 4:01 58
26/7/2015 9:56 59	26/7/2015 19:01 54	28/6/2015 0:51 55	29/6/2015 1:56 58	30/6/2015 3:01 57	1/7/2015 4:06 58
26/7/2015 10:01 59 26/7/2015 10:06 62	26/7/2015 19:06 53 26/7/2015 19:11 50	28/6/2015 0:56 53 28/6/2015 1:01 54	29/6/2015 2:01 58 29/6/2015 2:06 58	30/6/2015 3:06 56 30/6/2015 3:11 56	1/7/2015 4:11 47 1/7/2015 4:16 46
26/7/2015 10:11 61	26/7/2015 19:16 55	28/6/2015 1:06 49	29/6/2015 2:11 58	30/6/2015 3:16 57	1/7/2015 4:21 58
26/7/2015 10:16 58 26/7/2015 10:21 59	26/7/2015 19:21 47 26/7/2015 19:26 52	28/6/2015 1:11 56 28/6/2015 1:16 53	29/6/2015 2:16 57 29/6/2015 2:21 58	30/6/2015 3:21 56 30/6/2015 3:26 56	1/7/2015 4:26 58 1/7/2015 4:31 32
26/7/2015 10:26 60	26/7/2015 19:31 62	28/6/2015 1:21 52	29/6/2015 2:26 57	30/6/2015 3:31 58	1/7/2015 4:36 41
26/7/2015 10:31 63 26/7/2015 10:36 59	26/7/2015 19:36 56 26/7/2015 19:41 62	28/6/2015 1:26 50 28/6/2015 1:31 52	29/6/2015 2:31 57 29/6/2015 2:36 57	30/6/2015 3:36 57	1/7/2015 4:41 57 1/7/2015 4:46 58
26/7/2015 10:41 59	26/7/2015 19:46 62	28/6/2015 1:36 46	29/6/2015 2:30 57	30/6/2015 3:41 57 30/6/2015 3:46 56	1/7/2015 4:46 58 1/7/2015 4:51 58
26/7/2015 10:46 59	26/7/2015 19:51 62	28/6/2015 1:41 58	29/6/2015 2:46 57	30/6/2015 3:51 57	1/7/2015 4:56 58
26/7/2015 10:51 56 26/7/2015 10:56 57	26/7/2015 19:56 45 26/7/2015 20:01 62	28/6/2015 1:46 58 28/6/2015 1:51 48	29/6/2015 2:51 57 29/6/2015 2:56 57	30/6/2015 3:56 57 30/6/2015 4:01 56	1/7/2015 5:01 58 1/7/2015 5:06 58
26/7/2015 11:01 60	26/7/2015 20:06 62	28/6/2015 1:56 53	29/6/2015 3:01 57	30/6/2015 4:06 57	1/7/2015 5:11 58
26/7/2015 11:06 59 26/7/2015 11:11 59	26/7/2015 20:11 62 26/7/2015 20:16 62	28/6/2015 2:01 56 28/6/2015 2:06 49	29/6/2015 3:06 57 29/6/2015 3:11 57	30/6/2015 4:11 57 30/6/2015 4:16 57	1/7/2015 5:16 58 1/7/2015 5:21 52
26/7/2015 11:16 57	26/7/2015 20:21 51	28/6/2015 2:11 50	29/6/2015 3:16 57	30/6/2015 4:21 57	1/7/2015 5:26 50
26/7/2015 11:21 59 26/7/2015 11:26 57	26/7/2015 20:26 46 26/7/2015 20:31 62	28/6/2015 2:16 58 28/6/2015 2:21 45	29/6/2015 3:21 56 29/6/2015 3:26 57	30/6/2015 4:26 56 30/6/2015 4:31 56	1/7/2015 5:31 54 1/7/2015 5:36 52
26/7/2015 11:31 60	26/7/2015 20:36 62	28/6/2015 2:26 58	29/6/2015 3:31 57	30/6/2015 4:36 57	1/7/2015 5:41 52
26/7/2015 11:36 61	26/7/2015 20:41 62	28/6/2015 2:31 58	29/6/2015 3:36 57	30/6/2015 4:41 57	1/7/2015 5:46 49
26/7/2015 11:41 60 26/7/2015 11:46 58	26/7/2015 20:46 62 26/7/2015 20:51 62	28/6/2015 2:36 43 28/6/2015 2:41 58	29/6/2015 3:41 57 29/6/2015 3:46 58	30/6/2015 4:46 57 30/6/2015 4:51 57	1/7/2015 5:51 52 1/7/2015 5:56 53
26/7/2015 11:51 58	26/7/2015 20:56 48	28/6/2015 2:46 47	29/6/2015 3:51 57	30/6/2015 4:56 57	1/7/2015 6:01 51
26/7/2015 11:56 58 26/7/2015 12:01 59	26/7/2015 21:01 51 26/7/2015 21:06 61	28/6/2015 2:51 41 28/6/2015 2:56 58	29/6/2015 3:56 57 29/6/2015 4:01 57	30/6/2015 5:01 57 30/6/2015 5:06 57	1/7/2015 6:06 53 1/7/2015 6:11 56
26/7/2015 12:06 58	26/7/2015 21:11 62	28/6/2015 3:01 58	29/6/2015 4:06 57	30/6/2015 5:11 57	1/7/2015 6:16 58
26/7/2015 12:11 59 26/7/2015 12:16 56	26/7/2015 21:16 61 26/7/2015 21:21 62	28/6/2015 3:06 58 28/6/2015 3:11 57	29/6/2015 4:11 58 29/6/2015 4:16 57	30/6/2015 5:16 57 30/6/2015 5:21 58	1/7/2015 6:21 53 1/7/2015 6:26 54
26/7/2015 12:21 59	26/7/2015 21:26 62	28/6/2015 3:16 57	29/6/2015 4:21 57	30/6/2015 5:26 58	1/7/2015 6:31 54
26/7/2015 12:26 57 26/7/2015 12:31 59	26/7/2015 21:31 62 26/7/2015 21:36 62	28/6/2015 3:21 44 28/6/2015 3:26 58	29/6/2015 4:26 57 29/6/2015 4:31 57	30/6/2015 5:31 58 30/6/2015 5:36 58	1/7/2015 6:36 54 1/7/2015 6:41 55
26/7/2015 12:36 58	26/7/2015 21:41 36	28/6/2015 3:31 58	29/6/2015 4:36 57	30/6/2015 5:41 58	1/7/2015 6:46 56
26/7/2015 12:41 57	26/7/2015 21:46 62	28/6/2015 3:36 58	29/6/2015 4:41 57	30/6/2015 5:46 45	1/7/2015 6:51 58
26/7/2015 12:46 58 26/7/2015 12:51 57	26/7/2015 21:51 62 26/7/2015 21:56 61	28/6/2015 3:41 58 28/6/2015 3:46 58	29/6/2015 4:46 57 29/6/2015 4:51 58	30/6/2015 5:51 48 30/6/2015 5:56 46	1/7/2015 6:56 56 1/7/2015 23:01 58
26/7/2015 12:56 55	26/7/2015 22:01 47	28/6/2015 3:51 58	29/6/2015 4:56 57	30/6/2015 6:01 49	1/7/2015 23:06 57
26/7/2015 13:01 55 26/7/2015 13:06 59	26/7/2015 22:06 62 26/7/2015 22:11 62	28/6/2015 3:56 57 28/6/2015 4:01 58	29/6/2015 5:01 57 29/6/2015 5:06 57	30/6/2015 6:06 45 30/6/2015 6:11 53	1/7/2015 23:11 58 1/7/2015 23:16 58
26/7/2015 13:11 59	26/7/2015 22:16 62	28/6/2015 4:06 57	29/6/2015 5:11 57	30/6/2015 6:16 55	1/7/2015 23:21 57
26/7/2015 13:16 60 26/7/2015 13:21 56	26/7/2015 22:21 62 26/7/2015 22:26 61	28/6/2015 4:11 57 28/6/2015 4:16 43	29/6/2015 5:16 58 29/6/2015 5:21 57	30/6/2015 6:21 54 30/6/2015 6:26 56	1/7/2015 23:26 56 1/7/2015 23:31 57
1020.0 10.21 00				00.0.2010 0.20 00	

Real-time Noise Data 1/7/2015 23:36 56	RTN2a (Hong Kong Electric Cent 3/7/2015 0:41 51	re) 4/7/2015 1:46 58	5/7/2015 2:51 58	6/7/2015 3:56 57	7/7/2015 5:01 57
1/7/2015 23:41 58	3/7/2015 0:46 52	4/7/2015 1:51 55	5/7/2015 2:56 57	6/7/2015 4:01 56	7/7/2015 5:06 57
1/7/2015 23:46 56 1/7/2015 23:51 57	3/7/2015 0:51 50 3/7/2015 0:56 49	4/7/2015 1:56 53 4/7/2015 2:01 48	5/7/2015 3:01 52 5/7/2015 3:06 57	6/7/2015 4:06 55 6/7/2015 4:11 56	7/7/2015 5:11 57 7/7/2015 5:16 58
1/7/2015 23:56 56	3/7/2015 1:01 58	4/7/2015 2:06 51	5/7/2015 3:11 58	6/7/2015 4:16 56	7/7/2015 5:21 44
2/7/2015 0:01 54 2/7/2015 0:06 54	3/7/2015 1:06 50 3/7/2015 1:11 48	4/7/2015 2:11 42 4/7/2015 2:16 46	5/7/2015 3:16 57 5/7/2015 3:21 57	6/7/2015 4:21 57 6/7/2015 4:26 56	7/7/2015 5:26 58 7/7/2015 5:31 58
2/7/2015 0:11 52	3/7/2015 1:16 53	4/7/2015 2:21 40	5/7/2015 3:26 53	6/7/2015 4:31 56	7/7/2015 5:36 58
2/7/2015 0:16 54	3/7/2015 1:21 58	4/7/2015 2:26 46	5/7/2015 3:31 57	6/7/2015 4:36 56	7/7/2015 5:41 58
2/7/2015 0:21 55 2/7/2015 0:26 55	3/7/2015 1:26 49 3/7/2015 1:31 45	4/7/2015 2:31 48 4/7/2015 2:36 58	5/7/2015 3:36 58 5/7/2015 3:41 57	6/7/2015 4:41 56 6/7/2015 4:46 56	7/7/2015 5:46 58 7/7/2015 5:51 50
2/7/2015 0:31 53	3/7/2015 1:36 48	4/7/2015 2:41 58	5/7/2015 3:46 57	6/7/2015 4:51 56	7/7/2015 5:56 58
2/7/2015 0:36 53 2/7/2015 0:41 52	3/7/2015 1:41 45 3/7/2015 1:46 58	4/7/2015 2:46 58 4/7/2015 2:51 58	5/7/2015 3:51 58 5/7/2015 3:56 57	6/7/2015 4:56 57 6/7/2015 5:01 56	7/7/2015 6:01 52 7/7/2015 6:06 49
2/7/2015 0:46 55	3/7/2015 1:51 58	4/7/2015 2:56 58	5/7/2015 4:01 57	6/7/2015 5:06 57	7/7/2015 6:11 53
2/7/2015 0:51 54 2/7/2015 0:56 52	3/7/2015 1:56 58 3/7/2015 2:01 58	4/7/2015 3:01 58 4/7/2015 3:06 58	5/7/2015 4:06 57 5/7/2015 4:11 57	6/7/2015 5:11 56 6/7/2015 5:16 56	7/7/2015 6:16 52 7/7/2015 6:21 55
2/7/2015 1:01 52	3/7/2015 2:06 58	4/7/2015 3:11 58	5/7/2015 4:16 57	6/7/2015 5:21 56	7/7/2015 6:26 53
2/7/2015 1:06 52 2/7/2015 1:11 51	3/7/2015 2:11 58 3/7/2015 2:16 57	4/7/2015 3:16 58 4/7/2015 3:21 57	5/7/2015 4:21 57 5/7/2015 4:26 57	6/7/2015 5:26 57 6/7/2015 5:31 57	7/7/2015 6:31 56 7/7/2015 6:36 57
2/7/2015 1:11 51 2/7/2015 1:16 46	3/7/2015 2:16 57 3/7/2015 2:21 57	4/7/2015 3:21 57 4/7/2015 3:26 58	5/7/2015 4:26 57 5/7/2015 4:31 57	6/7/2015 5:31 57 6/7/2015 5:36 57	7/7/2015 6:36 57 7/7/2015 6:41 57
2/7/2015 1:21 49	3/7/2015 2:26 58	4/7/2015 3:31 57	5/7/2015 4:36 57	6/7/2015 5:41 58	7/7/2015 6:46 59
2/7/2015 1:26 52 2/7/2015 1:31 43	3/7/2015 2:31 57 3/7/2015 2:36 58	4/7/2015 3:36 57 4/7/2015 3:41 58	5/7/2015 4:41 58 5/7/2015 4:46 57	6/7/2015 5:46 58 6/7/2015 5:51 58	7/7/2015 6:51 59 7/7/2015 6:56 58
2/7/2015 1:36 41	3/7/2015 2:41 57	4/7/2015 3:46 57	5/7/2015 4:51 57	6/7/2015 5:56 58	7/7/2015 23:01 56
2/7/2015 1:41 58 2/7/2015 1:46 58	3/7/2015 2:46 57 3/7/2015 2:51 57	4/7/2015 3:51 58 4/7/2015 3:56 58	5/7/2015 4:56 57 5/7/2015 5:01 57	6/7/2015 6:01 50 6/7/2015 6:06 42	7/7/2015 23:06 57 7/7/2015 23:11 59
2/7/2015 1:51 58	3/7/2015 2:56 57	4/7/2015 4:01 58	5/7/2015 5:06 57	6/7/2015 6:11 48	7/7/2015 23:16 56
2/7/2015 1:56 58 2/7/2015 2:01 58	3/7/2015 3:01 57 3/7/2015 3:06 57	4/7/2015 4:06 58 4/7/2015 4:11 57	5/7/2015 5:11 57 5/7/2015 5:16 57	6/7/2015 6:16 54 6/7/2015 6:21 52	7/7/2015 23:21 57 7/7/2015 23:26 55
2/7/2015 2:01 58 2/7/2015 2:06 58	3/7/2015 3:06 57 3/7/2015 3:11 57	4/7/2015 4:11 57 4/7/2015 4:16 57	5/7/2015 5:16 57 5/7/2015 5:21 56	6/7/2015 6:21 52 6/7/2015 6:26 56	7/7/2015 23:26 55 7/7/2015 23:31 55
2/7/2015 2:11 58	3/7/2015 3:16 48	4/7/2015 4:21 58	5/7/2015 5:26 40	6/7/2015 6:31 57	7/7/2015 23:36 56
2/7/2015 2:16 48 2/7/2015 2:21 57	3/7/2015 3:21 56 3/7/2015 3:26 57	4/7/2015 4:26 46 4/7/2015 4:31 58	5/7/2015 5:31 57 5/7/2015 5:36 58	6/7/2015 6:36 54 6/7/2015 6:41 58	7/7/2015 23:41 55 7/7/2015 23:46 57
2/7/2015 2:26 46	3/7/2015 3:31 57	4/7/2015 4:36 57	5/7/2015 5:41 57	6/7/2015 6:46 58	7/7/2015 23:51 55
2/7/2015 2:31 58	3/7/2015 3:36 57	4/7/2015 4:41 57	5/7/2015 5:46 58	6/7/2015 6:51 58	7/7/2015 23:56 55
2/7/2015 2:36 58 2/7/2015 2:41 57	3/7/2015 3:41 58 3/7/2015 3:46 57	4/7/2015 4:46 58 4/7/2015 4:51 57	5/7/2015 5:51 58 5/7/2015 5:56 58	6/7/2015 6:56 60 6/7/2015 23:01 56	8/7/2015 0:01 49 8/7/2015 0:06 55
2/7/2015 2:46 57	3/7/2015 3:51 56	4/7/2015 4:56 57	5/7/2015 6:01 58	6/7/2015 23:06 56	8/7/2015 0:11 54
2/7/2015 2:51 58 2/7/2015 2:56 57	3/7/2015 3:56 57 3/7/2015 4:01 57	4/7/2015 5:01 58 4/7/2015 5:06 58	5/7/2015 6:06 58 5/7/2015 6:11 54	6/7/2015 23:11 57 6/7/2015 23:16 58	8/7/2015 0:16 55 8/7/2015 0:21 56
2/7/2015 3:01 57	3/7/2015 4:06 57	4/7/2015 5:11 57	5/7/2015 6:16 42	6/7/2015 23:21 57	8/7/2015 0:26 50
2/7/2015 3:06 57 2/7/2015 3:11 58	3/7/2015 4:11 57 3/7/2015 4:16 56	4/7/2015 5:16 57 4/7/2015 5:21 57	5/7/2015 6:21 52 5/7/2015 6:26 52	6/7/2015 23:26 56 6/7/2015 23:31 57	8/7/2015 0:31 54 8/7/2015 0:36 51
2/7/2015 3:16 57	3/7/2015 4:10 50	4/7/2015 5:26 58	5/7/2015 6:31 48	6/7/2015 23:36 57	8/7/2015 0:41 53
2/7/2015 3:21 57	3/7/2015 4:26 56	4/7/2015 5:31 58	5/7/2015 6:36 53	6/7/2015 23:41 55	8/7/2015 0:46 52
2/7/2015 3:26 57 2/7/2015 3:31 57	3/7/2015 4:31 56 3/7/2015 4:36 57	4/7/2015 5:36 58 4/7/2015 5:41 58	5/7/2015 6:41 54 5/7/2015 6:46 51	6/7/2015 23:46 53 6/7/2015 23:51 55	8/7/2015 0:51 49 8/7/2015 0:56 46
2/7/2015 3:36 58	3/7/2015 4:41 57	4/7/2015 5:46 58	5/7/2015 6:51 53	6/7/2015 23:56 53	8/7/2015 1:01 53
2/7/2015 3:41 57 2/7/2015 3:46 58	3/7/2015 4:46 56 3/7/2015 4:51 57	4/7/2015 5:51 50 4/7/2015 5:56 50	5/7/2015 6:56 56 5/7/2015 23:01 56	7/7/2015 0:01 54 7/7/2015 0:06 52	8/7/2015 1:06 50 8/7/2015 1:11 47
2/7/2015 3:51 58	3/7/2015 4:56 57	4/7/2015 6:01 58	5/7/2015 23:06 55	7/7/2015 0:10 52	8/7/2015 1:16 58
2/7/2015 3:56 58	3/7/2015 5:01 57	4/7/2015 6:06 49	5/7/2015 23:11 56	7/7/2015 0:16 55	8/7/2015 1:21 58
2/7/2015 4:01 57 2/7/2015 4:06 57	3/7/2015 5:06 56 3/7/2015 5:11 57	4/7/2015 6:11 51 4/7/2015 6:16 55	5/7/2015 23:16 58 5/7/2015 23:21 54	7/7/2015 0:21 49 7/7/2015 0:26 50	8/7/2015 1:26 56 8/7/2015 1:31 38
2/7/2015 4:11 58	3/7/2015 5:16 57	4/7/2015 6:21 57	5/7/2015 23:26 55	7/7/2015 0:31 55	8/7/2015 1:36 57
2/7/2015 4:16 57 2/7/2015 4:21 57	3/7/2015 5:21 57 3/7/2015 5:26 52	4/7/2015 6:26 60 4/7/2015 6:31 59	5/7/2015 23:31 55 5/7/2015 23:36 54	7/7/2015 0:36 53 7/7/2015 0:41 50	8/7/2015 1:41 58 8/7/2015 1:46 58
2/7/2015 4:26 57	3/7/2015 5:31 58	4/7/2015 6:36 59	5/7/2015 23:41 53	7/7/2015 0:46 47	8/7/2015 1:51 58
2/7/2015 4:31 57	3/7/2015 5:36 58	4/7/2015 6:41 60	5/7/2015 23:46 54	7/7/2015 0:51 49	8/7/2015 1:56 58
2/7/2015 4:36 58 2/7/2015 4:41 58	3/7/2015 5:41 57 3/7/2015 5:46 58	4/7/2015 6:46 59 4/7/2015 6:51 60	5/7/2015 23:51 53 5/7/2015 23:56 54	7/7/2015 0:56 58 7/7/2015 1:01 49	8/7/2015 2:01 51 8/7/2015 2:06 58
2/7/2015 4:46 58	3/7/2015 5:51 48	4/7/2015 6:56 61	6/7/2015 0:01 47	7/7/2015 1:06 58	8/7/2015 2:11 57
2/7/2015 4:51 58 2/7/2015 4:56 58	3/7/2015 5:56 50 3/7/2015 6:01 47	4/7/2015 23:01 58 4/7/2015 23:06 57	6/7/2015 0:06 50 6/7/2015 0:11 52	7/7/2015 1:11 49 7/7/2015 1:16 46	8/7/2015 2:16 57 8/7/2015 2:21 57
2/7/2015 5:01 58	3/7/2015 6:06 58	4/7/2015 23:11 59	6/7/2015 0:16 54	7/7/2015 1:21 58	8/7/2015 2:26 58
2/7/2015 5:06 58 2/7/2015 5:11 57	3/7/2015 6:11 56 3/7/2015 6:16 52	4/7/2015 23:16 58 4/7/2015 23:21 58	6/7/2015 0:21 49 6/7/2015 0:26 52	7/7/2015 1:26 41 7/7/2015 1:31 67	8/7/2015 2:31 57 8/7/2015 2:36 57
2/7/2015 5:16 57	3/7/2015 6:21 53	4/7/2015 23:26 57	6/7/2015 0:31 53	7/7/2015 1:36 58	8/7/2015 2:41 57
2/7/2015 5:21 58	3/7/2015 6:26 54	4/7/2015 23:31 57	6/7/2015 0:36 58	7/7/2015 1:41 58	8/7/2015 2:46 57
2/7/2015 5:26 53 2/7/2015 5:31 48	3/7/2015 6:31 56 3/7/2015 6:36 57	4/7/2015 23:36 57 4/7/2015 23:41 55	6/7/2015 0:41 45 6/7/2015 0:46 49	7/7/2015 1:46 57 7/7/2015 1:51 58	8/7/2015 2:51 57 8/7/2015 2:56 57
2/7/2015 5:36 58	3/7/2015 6:41 58	4/7/2015 23:46 56	6/7/2015 0:51 58	7/7/2015 1:56 57	8/7/2015 3:01 57
2/7/2015 5:41 51 2/7/2015 5:46 48	3/7/2015 6:46 57 3/7/2015 6:51 60	4/7/2015 23:51 56 4/7/2015 23:56 56	6/7/2015 0:56 57 6/7/2015 1:01 58	7/7/2015 2:01 58 7/7/2015 2:06 57	8/7/2015 3:06 57 8/7/2015 3:11 56
2/7/2015 5:51 48	3/7/2015 6:56 59	5/7/2015 0:01 55	6/7/2015 1:06 58	7/7/2015 2:11 57	8/7/2015 3:16 56
2/7/2015 5:56 48 2/7/2015 6:01 53	3/7/2015 23:01 58 3/7/2015 23:06 58	5/7/2015 0:06 55 5/7/2015 0:11 55	6/7/2015 1:11 58 6/7/2015 1:16 57	7/7/2015 2:16 56 7/7/2015 2:21 57	8/7/2015 3:21 56 8/7/2015 3:26 57
2/7/2015 6:06 54	3/7/2015 23:11 59	5/7/2015 0:16 54	6/7/2015 1:21 58	7/7/2015 2:26 57	8/7/2015 3:31 56
2/7/2015 6:11 55	3/7/2015 23:16 59 3/7/2015 23:21 57	5/7/2015 0:21 55	6/7/2015 1:26 58	7/7/2015 2:31 57	8/7/2015 3:36 57
2/7/2015 6:16 55 2/7/2015 6:21 55	3/7/2015 23:21 57 3/7/2015 23:26 58	5/7/2015 0:26 54 5/7/2015 0:31 55	6/7/2015 1:31 57 6/7/2015 1:36 57	7/7/2015 2:36 58 7/7/2015 2:41 56	8/7/2015 3:41 56 8/7/2015 3:46 56
2/7/2015 6:26 56	3/7/2015 23:31 58	5/7/2015 0:36 54	6/7/2015 1:41 58	7/7/2015 2:46 57	8/7/2015 3:51 57
2/7/2015 6:31 58 2/7/2015 6:36 59	3/7/2015 23:36 58 3/7/2015 23:41 57	5/7/2015 0:41 53 5/7/2015 0:46 54	6/7/2015 1:46 58 6/7/2015 1:51 58	7/7/2015 2:51 56 7/7/2015 2:56 56	8/7/2015 3:56 57 8/7/2015 4:01 56
2/7/2015 6:41 58	3/7/2015 23:46 57	5/7/2015 0:51 55	6/7/2015 1:56 57	7/7/2015 3:01 57	8/7/2015 4:06 56
2/7/2015 6:46 58 2/7/2015 6:51 60	3/7/2015 23:51 57 3/7/2015 23:56 57	5/7/2015 0:56 52 5/7/2015 1:01 52	6/7/2015 2:01 56 6/7/2015 2:06 56	7/7/2015 3:06 56 7/7/2015 3:11 57	8/7/2015 4:11 56 8/7/2015 4:16 57
2/7/2015 6:56 60	4/7/2015 0:01 57	5/7/2015 1:01 52	6/7/2015 2:06 56 6/7/2015 2:11 57	7/7/2015 3:11 57	8/7/2015 4:16 57 8/7/2015 4:21 56
2/7/2015 23:01 58	4/7/2015 0:06 55	5/7/2015 1:11 56	6/7/2015 2:16 56	7/7/2015 3:21 56	8/7/2015 4:26 57
2/7/2015 23:06 58 2/7/2015 23:11 58	4/7/2015 0:11 55 4/7/2015 0:16 58	5/7/2015 1:16 42 5/7/2015 1:21 52	6/7/2015 2:21 57 6/7/2015 2:26 57	7/7/2015 3:26 56 7/7/2015 3:31 56	8/7/2015 4:31 56 8/7/2015 4:36 56
2/7/2015 23:16 57	4/7/2015 0:21 57	5/7/2015 1:26 45	6/7/2015 2:31 56	7/7/2015 3:36 56	8/7/2015 4:41 56
2/7/2015 23:21 58 2/7/2015 23:26 57	4/7/2015 0:26 53 4/7/2015 0:31 53	5/7/2015 1:31 51 5/7/2015 1:36 52	6/7/2015 2:36 56 6/7/2015 2:41 56	7/7/2015 3:41 57 7/7/2015 3:46 56	8/7/2015 4:46 56 8/7/2015 4:51 57
2/7/2015 23:31 56	4/7/2015 0:36 55	5/7/2015 1:41 49	6/7/2015 2:46 56	7/7/2015 3:51 57	8/7/2015 4:56 57
2/7/2015 23:36 56 2/7/2015 23:41 56	4/7/2015 0:41 56 4/7/2015 0:46 53	5/7/2015 1:46 48 5/7/2015 1:51 58	6/7/2015 2:51 56 6/7/2015 2:56 56	7/7/2015 3:56 57 7/7/2015 4:01 56	8/7/2015 5:01 56 8/7/2015 5:06 57
2/7/2015 23:41 56 2/7/2015 23:46 56	4/7/2015 0:51 53	5/7/2015 1:51 58 59	6/7/2015 2:56 56 6/7/2015 3:01 56	7/7/2015 4:01 56 7/7/2015 4:06 56	8/7/2015 5:11 57
2/7/2015 23:51 56	4/7/2015 0:56 56	5/7/2015 2:01 52	6/7/2015 3:06 56	7/7/2015 4:11 56	8/7/2015 5:16 57
2/7/2015 23:56 55 3/7/2015 0:01 56	4/7/2015 1:01 52 4/7/2015 1:06 55	5/7/2015 2:06 58 5/7/2015 2:11 58	6/7/2015 3:11 56 6/7/2015 3:16 55	7/7/2015 4:16 55 7/7/2015 4:21 56	8/7/2015 5:21 57 8/7/2015 5:26 57
3/7/2015 0:06 56	4/7/2015 1:11 55	5/7/2015 2:16 48	6/7/2015 3:21 55	7/7/2015 4:26 56	8/7/2015 5:31 57
3/7/2015 0:11 54 3/7/2015 0:16 54	4/7/2015 1:16 54 4/7/2015 1:21 52	5/7/2015 2:21 67 5/7/2015 2:26 58	6/7/2015 3:26 56 6/7/2015 3:31 56	7/7/2015 4:31 56 7/7/2015 4:36 56	8/7/2015 5:36 58 8/7/2015 5:41 58
3/7/2015 0:21 53	4/7/2015 1:26 53	5/7/2015 2:31 58	6/7/2015 3:36 56	7/7/2015 4:41 56	8/7/2015 5:46 40
3/7/2015 0:26 52 3/7/2015 0:31 55	4/7/2015 1:31 49 4/7/2015 1:36 51	5/7/2015 2:36 58 5/7/2015 2:41 58	6/7/2015 3:41 55 6/7/2015 3:46 56	7/7/2015 4:46 57 7/7/2015 4:51 57	8/7/2015 5:51 48 8/7/2015 5:56 46
3/7/2015 0:36 53	4/7/2015 1:41 51	5/7/2015 2:41 58	6/7/2015 3:46 56 6/7/2015 3:51 55	7/7/2015 4:56 57	8/7/2015 6:01 58

Real-time Noise Data 8/7/2015 6:06 40	RTN2a (Hong Kong Electric Cen 9/7/2015 23:11 58	tre) 11/7/2015 0:16 57	12/7/2015 1:21 51	13/7/2015 2:26 57	14/7/2015 3:31 56
8/7/2015 6:11 53	9/7/2015 23:16 58	11/7/2015 0:21 58	12/7/2015 1:26 52	13/7/2015 2:31 57	14/7/2015 3:36 57
8/7/2015 6:16 52 8/7/2015 6:21 53	9/7/2015 23:21 58 9/7/2015 23:26 58	11/7/2015 0:26 57 11/7/2015 0:31 58	12/7/2015 1:31 53 12/7/2015 1:36 52	13/7/2015 2:36 57 13/7/2015 2:41 58	14/7/2015 3:41 57 14/7/2015 3:46 57
8/7/2015 6:26 55	9/7/2015 23:31 58	11/7/2015 0:36 55	12/7/2015 1:41 61	13/7/2015 2:46 57	14/7/2015 3:51 57
8/7/2015 6:31 57 8/7/2015 6:36 57	9/7/2015 23:36 58 9/7/2015 23:41 46	11/7/2015 0:41 55 11/7/2015 0:46 56	12/7/2015 1:46 59 12/7/2015 1:51 49	13/7/2015 2:51 57 13/7/2015 2:56 57	14/7/2015 3:56 57 14/7/2015 4:01 56
8/7/2015 6:41 57	9/7/2015 23:46 58	11/7/2015 0:51 55	12/7/2015 1:56 49	13/7/2015 3:01 57	14/7/2015 4:06 56
8/7/2015 6:46 58	9/7/2015 23:51 58	11/7/2015 0:56 56	12/7/2015 2:01 58	13/7/2015 3:06 57	14/7/2015 4:11 56
8/7/2015 6:51 59 8/7/2015 6:56 59	9/7/2015 23:56 57 10/7/2015 0:01 57	11/7/2015 1:01 57 11/7/2015 1:06 56	12/7/2015 2:06 43 12/7/2015 2:11 48	13/7/2015 3:11 57 13/7/2015 3:16 58	14/7/2015 4:16 56 14/7/2015 4:21 57
8/7/2015 23:01 57	10/7/2015 0:06 57	11/7/2015 1:11 55	12/7/2015 2:16 50	13/7/2015 3:21 57	14/7/2015 4:26 58
8/7/2015 23:06 58 8/7/2015 23:11 58	10/7/2015 0:11 58 10/7/2015 0:16 57	11/7/2015 1:16 55 11/7/2015 1:21 50	12/7/2015 2:21 49 12/7/2015 2:26 63	13/7/2015 3:26 57 13/7/2015 3:31 57	14/7/2015 4:31 57 14/7/2015 4:36 56
8/7/2015 23:16 59	10/7/2015 0:21 57	11/7/2015 1:26 54	12/7/2015 2:31 58	13/7/2015 3:36 58	14/7/2015 4:41 56
8/7/2015 23:21 59 8/7/2015 23:26 57	10/7/2015 0:26 57 10/7/2015 0:31 57	11/7/2015 1:31 56 11/7/2015 1:36 53	12/7/2015 2:36 58 12/7/2015 2:41 50	13/7/2015 3:41 57 13/7/2015 3:46 57	14/7/2015 4:46 57 14/7/2015 4:51 56
8/7/2015 23:31 57	10/7/2015 0:36 57	11/7/2015 1:41 52	12/7/2015 2:46 53	13/7/2015 3:51 58	14/7/2015 4:56 57
8/7/2015 23:36 57	10/7/2015 0:41 57	11/7/2015 1:46 53	12/7/2015 2:51 35	13/7/2015 3:56 58	14/7/2015 5:01 56
8/7/2015 23:41 57 8/7/2015 23:46 57	10/7/2015 0:46 57 10/7/2015 0:51 57	11/7/2015 1:51 54 11/7/2015 1:56 50	12/7/2015 2:56 65 12/7/2015 3:01 58	13/7/2015 4:01 58 13/7/2015 4:06 57	14/7/2015 5:06 56 14/7/2015 5:11 57
8/7/2015 23:51 57	10/7/2015 0:56 56	11/7/2015 2:01 56	12/7/2015 3:06 58	13/7/2015 4:11 57	14/7/2015 5:16 57
8/7/2015 23:56 56 9/7/2015 0:01 57	10/7/2015 1:01 57 10/7/2015 1:06 56	11/7/2015 2:06 48 11/7/2015 2:11 54	12/7/2015 3:11 58 12/7/2015 3:16 58	13/7/2015 4:16 57 13/7/2015 4:21 58	14/7/2015 5:21 57 14/7/2015 5:26 57
9/7/2015 0:06 58	10/7/2015 1:11 57	11/7/2015 2:16 50	12/7/2015 3:21 58	13/7/2015 4:26 58	14/7/2015 5:31 57
9/7/2015 0:11 54 9/7/2015 0:16 54	10/7/2015 1:16 57 10/7/2015 1:21 57	11/7/2015 2:21 49 11/7/2015 2:26 52	12/7/2015 3:26 58 12/7/2015 3:31 58	13/7/2015 4:31 58 13/7/2015 4:36 58	14/7/2015 5:36 58 14/7/2015 5:41 58
9/7/2015 0:21 55	10/7/2015 1:26 56	11/7/2015 2:31 46	12/7/2015 3:36 58	13/7/2015 4:41 57	14/7/2015 5:46 58
9/7/2015 0:26 55 9/7/2015 0:31 53	10/7/2015 1:31 57 10/7/2015 1:36 56	11/7/2015 2:36 52 11/7/2015 2:41 43	12/7/2015 3:41 58 12/7/2015 3:46 58	13/7/2015 4:46 58 13/7/2015 4:51 58	14/7/2015 5:51 46 14/7/2015 5:56 58
9/7/2015 0:36 54	10/7/2015 1:41 52	11/7/2015 2:46 52	12/7/2015 3:51 57	13/7/2015 4:56 58	14/7/2015 6:01 45
9/7/2015 0:41 54	10/7/2015 1:46 56	11/7/2015 2:51 48	12/7/2015 3:56 57	13/7/2015 5:01 58	14/7/2015 6:06 51
9/7/2015 0:46 54 9/7/2015 0:51 53	10/7/2015 1:51 56 10/7/2015 1:56 57	11/7/2015 2:56 58 11/7/2015 3:01 58	12/7/2015 4:01 57 12/7/2015 4:06 57	13/7/2015 5:06 58 13/7/2015 5:11 58	14/7/2015 6:11 51 14/7/2015 6:16 51
9/7/2015 0:56 57	10/7/2015 2:01 56	11/7/2015 3:06 58	12/7/2015 4:11 57	13/7/2015 5:16 58	14/7/2015 6:21 55
9/7/2015 1:01 50 9/7/2015 1:06 47	10/7/2015 2:06 56 10/7/2015 2:11 56	11/7/2015 3:11 58 11/7/2015 3:16 58	12/7/2015 4:16 57 12/7/2015 4:21 57	13/7/2015 5:21 47 13/7/2015 5:26 45	14/7/2015 6:26 55 14/7/2015 6:31 55
9/7/2015 1:11 48	10/7/2015 2:16 56	11/7/2015 3:21 49	12/7/2015 4:26 57	13/7/2015 5:31 58	14/7/2015 6:36 55
9/7/2015 1:16 50 9/7/2015 1:21 42	10/7/2015 2:21 56 10/7/2015 2:26 55	11/7/2015 3:26 50 11/7/2015 3:31 45	12/7/2015 4:31 57 12/7/2015 4:36 57	13/7/2015 5:36 51 13/7/2015 5:41 50	14/7/2015 6:41 58 14/7/2015 6:46 58
9/7/2015 1:26 53	10/7/2015 2:31 56	11/7/2015 3:36 58	12/7/2015 4:41 57	13/7/2015 5:46 53	14/7/2015 6:51 59
9/7/2015 1:31 47	10/7/2015 2:36 55	11/7/2015 3:41 58	12/7/2015 4:46 57	13/7/2015 5:51 52	14/7/2015 6:56 59
9/7/2015 1:36 58 9/7/2015 1:41 58	10/7/2015 2:41 55 10/7/2015 2:46 56	11/7/2015 3:46 58 11/7/2015 3:51 58	12/7/2015 4:51 57 12/7/2015 4:56 56	13/7/2015 5:56 53 13/7/2015 6:01 53	14/7/2015 23:01 56 14/7/2015 23:06 58
9/7/2015 1:46 57	10/7/2015 2:51 55	11/7/2015 3:56 58	12/7/2015 5:01 57	13/7/2015 6:06 53	14/7/2015 23:11 58
9/7/2015 1:51 58 9/7/2015 1:56 58	10/7/2015 2:56 56 10/7/2015 3:01 55	11/7/2015 4:01 58 11/7/2015 4:06 58	12/7/2015 5:06 57 12/7/2015 5:11 57	13/7/2015 6:11 55 13/7/2015 6:16 55	14/7/2015 23:16 57 14/7/2015 23:21 57
9/7/2015 2:01 58	10/7/2015 3:06 56	11/7/2015 4:11 58	12/7/2015 5:16 58	13/7/2015 6:21 57	14/7/2015 23:26 55
9/7/2015 2:06 58 9/7/2015 2:11 57	10/7/2015 3:11 56 10/7/2015 3:16 55	11/7/2015 4:16 43 11/7/2015 4:21 58	12/7/2015 5:21 57 12/7/2015 5:26 58	13/7/2015 6:26 56 13/7/2015 6:31 57	14/7/2015 23:31 58 14/7/2015 23:36 54
9/7/2015 2:16 57	10/7/2015 3:21 55	11/7/2015 4:26 58	12/7/2015 5:31 57	13/7/2015 6:36 58	14/7/2015 23:41 57
9/7/2015 2:21 58	10/7/2015 3:26 55	11/7/2015 4:31 58	12/7/2015 5:36 58	13/7/2015 6:41 57	14/7/2015 23:46 54
9/7/2015 2:26 57 9/7/2015 2:31 58	10/7/2015 3:31 56 10/7/2015 3:36 56	11/7/2015 4:36 58 11/7/2015 4:41 57	12/7/2015 5:41 58 12/7/2015 5:46 58	13/7/2015 6:46 59 13/7/2015 6:51 59	14/7/2015 23:51 54 14/7/2015 23:56 53
9/7/2015 2:36 58	10/7/2015 3:41 56	11/7/2015 4:46 58	12/7/2015 5:51 58	13/7/2015 6:56 60	15/7/2015 0:01 51
9/7/2015 2:41 52 9/7/2015 2:46 57	10/7/2015 3:46 56 10/7/2015 3:51 56	11/7/2015 4:51 57 11/7/2015 4:56 58	12/7/2015 5:56 58 12/7/2015 6:01 58	13/7/2015 23:01 57 13/7/2015 23:06 56	15/7/2015 0:06 46 15/7/2015 0:11 57
9/7/2015 2:51 58	10/7/2015 3:56 56	11/7/2015 5:01 58	12/7/2015 6:06 47	13/7/2015 23:11 56	15/7/2015 0:16 48
9/7/2015 2:56 57 9/7/2015 3:01 57	10/7/2015 4:01 56 10/7/2015 4:06 56	11/7/2015 5:06 58 11/7/2015 5:11 58	12/7/2015 6:11 58 12/7/2015 6:16 49	13/7/2015 23:16 57 13/7/2015 23:21 57	15/7/2015 0:21 55 15/7/2015 0:26 58
9/7/2015 3:06 57	10/7/2015 4:11 56	11/7/2015 5:16 58	12/7/2015 6:21 40	13/7/2015 23:26 56	15/7/2015 0:31 48
9/7/2015 3:11 57 9/7/2015 3:16 57	10/7/2015 4:16 56 10/7/2015 4:21 56	11/7/2015 5:21 58 11/7/2015 5:26 39	12/7/2015 6:26 52 12/7/2015 6:31 50	13/7/2015 23:31 58 13/7/2015 23:36 56	15/7/2015 0:36 58 15/7/2015 0:41 52
9/7/2015 3:21 57	10/7/2015 4:21 56 10/7/2015 4:26 56	11/7/2015 5:20 59	12/7/2015 6:31 50 12/7/2015 6:36 54	13/7/2015 23:36 56 13/7/2015 23:41 56	15/7/2015 0:41 52
9/7/2015 3:26 58	10/7/2015 4:31 55	11/7/2015 5:36 58	12/7/2015 6:41 54	13/7/2015 23:46 60	15/7/2015 0:51 58
9/7/2015 3:31 56 9/7/2015 3:36 58	10/7/2015 4:36 56 10/7/2015 4:41 53	11/7/2015 5:41 58 11/7/2015 5:46 48	12/7/2015 6:46 56 12/7/2015 6:51 56	13/7/2015 23:51 52 13/7/2015 23:56 56	15/7/2015 0:56 44 15/7/2015 1:01 58
9/7/2015 3:41 57	10/7/2015 4:46 62	11/7/2015 5:51 49	12/7/2015 6:56 56	14/7/2015 0:01 54	15/7/2015 1:06 57
9/7/2015 3:46 56 9/7/2015 3:51 57	10/7/2015 4:51 67 10/7/2015 4:56 61	11/7/2015 5:56 52 11/7/2015 6:01 53	12/7/2015 23:01 58 12/7/2015 23:06 57	14/7/2015 0:06 52 14/7/2015 0:11 53	15/7/2015 1:11 58 15/7/2015 1:16 58
9/7/2015 3:56 57	10/7/2015 5:01 63	11/7/2015 6:06 58	12/7/2015 23:11 57	14/7/2015 0:16 56	15/7/2015 1:21 58
9/7/2015 4:01 56 9/7/2015 4:06 57	10/7/2015 5:06 64 10/7/2015 5:11 68	11/7/2015 6:11 50 11/7/2015 6:16 55	12/7/2015 23:16 58 12/7/2015 23:21 57	14/7/2015 0:21 55 14/7/2015 0:26 56	15/7/2015 1:26 57 15/7/2015 1:31 58
9/7/2015 4:11 57	10/7/2015 5:16 66	11/7/2015 6:21 53	12/7/2015 23:26 55	14/7/2015 0:31 53	15/7/2015 1:36 57
9/7/2015 4:16 57 9/7/2015 4:21 56	10/7/2015 5:21 51 10/7/2015 5:26 50	11/7/2015 6:26 55 11/7/2015 6:31 55	12/7/2015 23:31 56 12/7/2015 23:36 57	14/7/2015 0:36 51 14/7/2015 0:41 52	15/7/2015 1:41 57 15/7/2015 1:46 57
9/7/2015 4:26 57	10/7/2015 5:31 50	11/7/2015 6:36 55	12/7/2015 23:41 56	14/7/2015 0:41 52	15/7/2015 1:51 56
9/7/2015 4:31 57	10/7/2015 5:36 58	11/7/2015 6:41 57	12/7/2015 23:46 56 12/7/2015 23:51 57	14/7/2015 0:51 45	15/7/2015 1:56 57 15/7/2015 2:01 56
9/7/2015 4:36 56 9/7/2015 4:41 57	10/7/2015 5:41 50 10/7/2015 5:46 54	11/7/2015 6:46 56 11/7/2015 6:51 58	12/7/2015 23:51 57 12/7/2015 23:56 56	14/7/2015 0:56 58 14/7/2015 1:01 50	15/7/2015 2:01 56 15/7/2015 2:06 56
9/7/2015 4:46 58	10/7/2015 5:51 53	11/7/2015 6:56 57	13/7/2015 0:01 55	14/7/2015 1:06 45	15/7/2015 2:11 56
9/7/2015 4:51 57 9/7/2015 4:56 56	10/7/2015 5:56 50 10/7/2015 6:01 59	11/7/2015 23:01 58 11/7/2015 23:06 57	13/7/2015 0:06 56 13/7/2015 0:11 55	14/7/2015 1:11 58 14/7/2015 1:16 58	15/7/2015 2:16 56 15/7/2015 2:21 56
9/7/2015 5:01 57	10/7/2015 6:06 60	11/7/2015 23:11 57	13/7/2015 0:16 54	14/7/2015 1:21 46	15/7/2015 2:26 56
9/7/2015 5:06 58 9/7/2015 5:11 56	10/7/2015 6:11 60 10/7/2015 6:16 60	11/7/2015 23:16 57 11/7/2015 23:21 57	13/7/2015 0:21 55 13/7/2015 0:26 56	14/7/2015 1:26 58 14/7/2015 1:31 58	15/7/2015 2:31 56 15/7/2015 2:36 56
9/7/2015 5:16 57	10/7/2015 6:21 60	11/7/2015 23:26 56	13/7/2015 0:31 54	14/7/2015 1:36 58	15/7/2015 2:41 56
9/7/2015 5:21 57 0/7/2015 5:26 58	10/7/2015 6:26 61	11/7/2015 23:31 56	13/7/2015 0:36 54	14/7/2015 1:41 51	15/7/2015 2:46 56
9/7/2015 5:26 58 9/7/2015 5:31 57	10/7/2015 6:31 60 10/7/2015 6:36 60	11/7/2015 23:36 57 11/7/2015 23:41 56	13/7/2015 0:41 53 13/7/2015 0:46 53	14/7/2015 1:46 58 14/7/2015 1:51 58	15/7/2015 2:51 56 15/7/2015 2:56 56
9/7/2015 5:36 57	10/7/2015 6:41 59	11/7/2015 23:46 56	13/7/2015 0:51 52	14/7/2015 1:56 58	15/7/2015 3:01 56
9/7/2015 5:41 58 9/7/2015 5:46 58	10/7/2015 6:46 60 10/7/2015 6:51 62	11/7/2015 23:51 56 11/7/2015 23:56 57	13/7/2015 0:56 56 13/7/2015 1:01 47	14/7/2015 2:01 58 14/7/2015 2:06 57	15/7/2015 3:06 55 15/7/2015 3:11 56
9/7/2015 5:51 44	10/7/2015 6:56 61	12/7/2015 0:01 57	13/7/2015 1:06 52	14/7/2015 2:11 58	15/7/2015 3:16 55
9/7/2015 5:56 47 9/7/2015 6:01 58	10/7/2015 23:01 59 10/7/2015 23:06 58	12/7/2015 0:06 56 12/7/2015 0:11 57	13/7/2015 1:11 58 13/7/2015 1:16 58	14/7/2015 2:16 57 14/7/2015 2:21 57	15/7/2015 3:21 55 15/7/2015 3:26 56
9/7/2015 6:06 48	10/7/2015 23:11 58	12/7/2015 0:16 57	13/7/2015 1:21 48	14/7/2015 2:26 58	15/7/2015 3:31 55
9/7/2015 6:11 50 9/7/2015 6:16 53	10/7/2015 23:16 59 10/7/2015 23:21 59	12/7/2015 0:21 59 12/7/2015 0:26 55	13/7/2015 1:26 50 13/7/2015 1:31 52	14/7/2015 2:31 40 14/7/2015 2:36 56	15/7/2015 3:36 55 15/7/2015 3:41 56
9/7/2015 6:21 53	10/7/2015 23:26 58	12/7/2015 0:31 57	13/7/2015 1:36 48	14/7/2015 2:36 56	15/7/2015 3:46 57
9/7/2015 6:26 56	10/7/2015 23:31 58	12/7/2015 0:36 52	13/7/2015 1:41 48	14/7/2015 2:46 57	15/7/2015 3:51 58
9/7/2015 6:31 58 9/7/2015 6:36 58	10/7/2015 23:36 58 10/7/2015 23:41 58	12/7/2015 0:41 52 12/7/2015 0:46 55	13/7/2015 1:46 58 13/7/2015 1:51 58	14/7/2015 2:51 56 14/7/2015 2:56 57	15/7/2015 3:56 57 15/7/2015 4:01 57
9/7/2015 6:41 59	10/7/2015 23:46 58	12/7/2015 0:51 48	13/7/2015 1:56 58	14/7/2015 3:01 56	15/7/2015 4:06 57
9/7/2015 6:46 57 9/7/2015 6:51 59	10/7/2015 23:51 58 10/7/2015 23:56 57	12/7/2015 0:56 55 12/7/2015 1:01 54	13/7/2015 2:01 58 13/7/2015 2:06 58	14/7/2015 3:06 56 14/7/2015 3:11 57	15/7/2015 4:11 57 15/7/2015 4:16 56
9/7/2015 6:56 59	11/7/2015 0:01 58	12/7/2015 1:06 51	13/7/2015 2:11 58	14/7/2015 3:16 57	15/7/2015 4:21 56
9/7/2015 23:01 47 9/7/2015 23:06 49	11/7/2015 0:06 56 11/7/2015 0:11 56	12/7/2015 1:11 52 12/7/2015 1:16 51	13/7/2015 2:16 58 13/7/2015 2:21 58	14/7/2015 3:21 57 14/7/2015 3:26 58	15/7/2015 4:26 56 15/7/2015 4:31 56

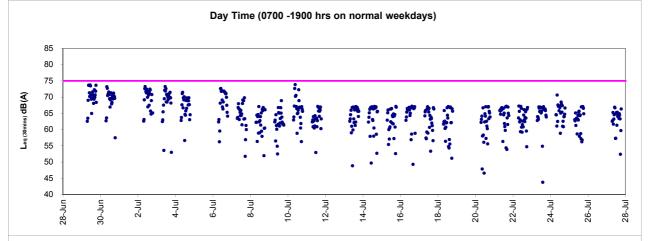
Real-time Noise Data	RTN2a (Hong Kong Electric Cent				
15/7/2015 4:36 57 15/7/2015 4:41 57	16/7/2015 5:41 46 16/7/2015 5:46 51	17/7/2015 6:46 59 17/7/2015 6:51 60	18/7/2015 23:51 56 18/7/2015 23:56 57	20/7/2015 0:56 57 20/7/2015 1:01 58	21/7/2015 2:01 58 21/7/2015 2:06 57
15/7/2015 4:46 57	16/7/2015 5:51 49	17/7/2015 6:56 59	19/7/2015 0:01 57	20/7/2015 1:06 58	21/7/2015 2:00 57
15/7/2015 4:51 57	16/7/2015 5:56 53	17/7/2015 23:01 58	19/7/2015 0:06 58	20/7/2015 1:11 58	21/7/2015 2:16 59
15/7/2015 4:56 57 15/7/2015 5:01 57	16/7/2015 6:01 45 16/7/2015 6:06 55	17/7/2015 23:06 57 17/7/2015 23:11 59	19/7/2015 0:11 57 19/7/2015 0:16 56	20/7/2015 1:16 57 20/7/2015 1:21 58	21/7/2015 2:21 54 21/7/2015 2:26 51
15/7/2015 5:06 56	16/7/2015 6:11 56	17/7/2015 23:16 59	19/7/2015 0:21 57	20/7/2015 1:26 58	21/7/2015 2:31 49
15/7/2015 5:11 57 15/7/2015 5:16 57	16/7/2015 6:16 53 16/7/2015 6:21 56	17/7/2015 23:21 59 17/7/2015 23:26 57	19/7/2015 0:26 55 19/7/2015 0:31 55	20/7/2015 1:31 57 20/7/2015 1:36 58	21/7/2015 2:36 41 21/7/2015 2:41 58
15/7/2015 5:16 57 15/7/2015 5:21 57	16/7/2015 6:26 57	17/7/2015 23:30 57	19/7/2015 0:31 55	20/7/2015 1:30 58	21/7/2015 2:41 58
15/7/2015 5:26 57	16/7/2015 6:31 58	17/7/2015 23:36 57	19/7/2015 0:41 55	20/7/2015 1:46 57	21/7/2015 2:51 53
15/7/2015 5:31 57 15/7/2015 5:36 57	16/7/2015 6:36 58 16/7/2015 6:41 59	17/7/2015 23:41 59 17/7/2015 23:46 58	19/7/2015 0:46 53 19/7/2015 0:51 56	20/7/2015 1:51 57 20/7/2015 1:56 57	21/7/2015 2:56 60 21/7/2015 3:01 50
15/7/2015 5:41 58	16/7/2015 6:46 59	17/7/2015 23:51 57	19/7/2015 0:56 54	20/7/2015 2:01 57	21/7/2015 3:06 60
15/7/2015 5:46 58 15/7/2015 5:51 43	16/7/2015 6:51 59 16/7/2015 6:56 60	17/7/2015 23:56 57 18/7/2015 0:01 57	19/7/2015 1:01 53 19/7/2015 1:06 54	20/7/2015 2:06 56 20/7/2015 2:11 57	21/7/2015 3:11 55 21/7/2015 3:16 58
15/7/2015 5:56 58	16/7/2015 23:01 58	18/7/2015 0:01 57 18/7/2015 0:06 58	19/7/2015 1:00 54	20/7/2015 2:11 57	21/7/2015 3:10 58
15/7/2015 6:01 58	16/7/2015 23:06 58	18/7/2015 0:11 57	19/7/2015 1:16 53	20/7/2015 2:21 57	21/7/2015 3:26 57
15/7/2015 6:06 51 15/7/2015 6:11 49	16/7/2015 23:11 60 16/7/2015 23:16 58	18/7/2015 0:16 57 18/7/2015 0:21 56	19/7/2015 1:21 51 19/7/2015 1:26 55	20/7/2015 2:26 57 20/7/2015 2:31 57	21/7/2015 3:31 57 21/7/2015 3:36 58
15/7/2015 6:16 53	16/7/2015 23:21 59	18/7/2015 0:26 56	19/7/2015 1:31 51	20/7/2015 2:36 57	21/7/2015 3:41 37
15/7/2015 6:21 55 15/7/2015 6:26 54	16/7/2015 23:26 58 16/7/2015 23:31 57	18/7/2015 0:31 58 18/7/2015 0:36 55	19/7/2015 1:36 44 19/7/2015 1:41 56	20/7/2015 2:41 56 20/7/2015 2:46 56	21/7/2015 3:46 58 21/7/2015 3:51 57
15/7/2015 6:31 55	16/7/2015 23:36 57	18/7/2015 0:41 55	19/7/2015 1:46 51	20/7/2015 2:51 56	21/7/2015 3:56 58
15/7/2015 6:36 57 15/7/2015 6:41 57	16/7/2015 23:41 57 16/7/2015 23:46 57	18/7/2015 0:46 57 18/7/2015 0:51 56	19/7/2015 1:51 58 19/7/2015 1:56 41	20/7/2015 2:56 57 20/7/2015 3:01 57	21/7/2015 4:01 53 21/7/2015 4:06 45
15/7/2015 6:46 57	16/7/2015 23:51 57	18/7/2015 0:56 56	19/7/2015 2:01 49	20/7/2015 3:06 56	21/7/2015 4:10 45
15/7/2015 6:51 59	16/7/2015 23:56 57	18/7/2015 1:01 55	19/7/2015 2:06 58	20/7/2015 3:11 55	21/7/2015 4:16 42
15/7/2015 6:56 58 15/7/2015 23:01 58	17/7/2015 0:01 56 17/7/2015 0:06 56	18/7/2015 1:06 54 18/7/2015 1:11 54	19/7/2015 2:11 58 19/7/2015 2:16 39	20/7/2015 3:16 55 20/7/2015 3:21 56	21/7/2015 4:21 51 21/7/2015 4:26 58
15/7/2015 23:06 58	17/7/2015 0:11 54	18/7/2015 1:16 55	19/7/2015 2:21 58	20/7/2015 3:26 56	21/7/2015 4:31 51
15/7/2015 23:11 58 15/7/2015 23:16 59	17/7/2015 0:16 56 17/7/2015 0:21 58	18/7/2015 1:21 55 18/7/2015 1:26 55	19/7/2015 2:26 42 19/7/2015 2:31 58	20/7/2015 3:31 57 20/7/2015 3:36 56	21/7/2015 4:36 51 21/7/2015 4:41 58
15/7/2015 23:21 58	17/7/2015 0:26 56	18/7/2015 1:31 55	19/7/2015 2:36 40	20/7/2015 3:41 56	21/7/2015 4:46 57
15/7/2015 23:26 57	17/7/2015 0:31 56 17/7/2015 0:36 55	18/7/2015 1:36 53	19/7/2015 2:41 58 19/7/2015 2:46 58	20/7/2015 3:46 56 20/7/2015 3:51 56	21/7/2015 4:51 58 21/7/2015 4:56 58
15/7/2015 23:31 58 15/7/2015 23:36 55	17/7/2015 0:41 55	18/7/2015 1:41 56 18/7/2015 1:46 51	19/7/2015 2:51 58	20/7/2015 3:51 56 20/7/2015 3:56 56	21/7/2015 5:01 58
15/7/2015 23:41 55	17/7/2015 0:46 50	18/7/2015 1:51 53	19/7/2015 2:56 51	20/7/2015 4:01 56	21/7/2015 5:06 58
15/7/2015 23:46 55 15/7/2015 23:51 57	17/7/2015 0:51 55 17/7/2015 0:56 54	18/7/2015 1:56 54 18/7/2015 2:01 52	19/7/2015 3:01 58 19/7/2015 3:06 58	20/7/2015 4:06 56 20/7/2015 4:11 56	21/7/2015 5:11 52 21/7/2015 5:16 58
15/7/2015 23:56 60	17/7/2015 1:01 52	18/7/2015 2:06 52	19/7/2015 3:11 58	20/7/2015 4:16 56	21/7/2015 5:21 58
16/7/2015 0:01 55 16/7/2015 0:06 56	17/7/2015 1:06 50 17/7/2015 1:11 51	18/7/2015 2:11 54 18/7/2015 2:16 53	19/7/2015 3:16 46 19/7/2015 3:21 58	20/7/2015 4:21 56 20/7/2015 4:26 56	21/7/2015 5:26 49 21/7/2015 5:31 56
16/7/2015 0:11 53	17/7/2015 1:16 53	18/7/2015 2:21 49	19/7/2015 3:26 57	20/7/2015 4:31 56	21/7/2015 5:36 54
16/7/2015 0:16 51 16/7/2015 0:21 57	17/7/2015 1:21 47 17/7/2015 1:26 51	18/7/2015 2:26 54 18/7/2015 2:31 50	19/7/2015 3:31 58 19/7/2015 3:36 58	20/7/2015 4:36 57 20/7/2015 4:41 56	21/7/2015 5:41 52 21/7/2015 5:46 51
16/7/2015 0:26 54	17/7/2015 1:31 51	18/7/2015 2:36 52	19/7/2015 3:41 58	20/7/2015 4:46 57	21/7/2015 5:51 51
16/7/2015 0:31 55 16/7/2015 0:36 55	17/7/2015 1:36 50 17/7/2015 1:41 54	18/7/2015 2:41 44 18/7/2015 2:46 50	19/7/2015 3:46 58 19/7/2015 3:51 58	20/7/2015 4:51 56 20/7/2015 4:56 56	21/7/2015 5:56 55 21/7/2015 6:01 53
16/7/2015 0:41 50	17/7/2015 1:46 38	18/7/2015 2:51 50	19/7/2015 3:56 58	20/7/2015 5:01 57	21/7/2015 6:06 55
16/7/2015 0:46 50 16/7/2015 0:51 50	17/7/2015 1:51 48 17/7/2015 1:56 57	18/7/2015 2:56 46 18/7/2015 3:01 47	19/7/2015 4:01 58 19/7/2015 4:06 58	20/7/2015 5:06 56 20/7/2015 5:11 56	21/7/2015 6:11 56 21/7/2015 6:16 58
16/7/2015 0:56 54	17/7/2015 2:01 47	18/7/2015 3:06 47	19/7/2015 4:11 57	20/7/2015 5:16 57	21/7/2015 6:21 62
16/7/2015 1:01 42 16/7/2015 1:06 50	17/7/2015 2:06 42 17/7/2015 2:11 58	18/7/2015 3:11 58 18/7/2015 3:16 46	19/7/2015 4:16 58 19/7/2015 4:21 58	20/7/2015 5:21 56 20/7/2015 5:26 58	21/7/2015 6:26 59 21/7/2015 6:31 62
16/7/2015 1:11 56	17/7/2015 2:16 58	18/7/2015 3:21 43	19/7/2015 4:26 39	20/7/2015 5:31 57	21/7/2015 6:36 61
16/7/2015 1:16 46 16/7/2015 1:21 50	17/7/2015 2:21 57 17/7/2015 2:26 58	18/7/2015 3:26 50 18/7/2015 3:31 47	19/7/2015 4:31 57 19/7/2015 4:36 57	20/7/2015 5:36 57 20/7/2015 5:41 58	21/7/2015 6:41 60 21/7/2015 6:46 60
16/7/2015 1:26 53	17/7/2015 2:31 45	18/7/2015 3:36 58	19/7/2015 4:41 58	20/7/2015 5:46 57	21/7/2015 6:51 63
16/7/2015 1:31 49 16/7/2015 1:36 58	17/7/2015 2:36 39 17/7/2015 2:41 61	18/7/2015 3:41 58 18/7/2015 3:46 58	19/7/2015 4:46 57 19/7/2015 4:51 57	20/7/2015 5:51 47 20/7/2015 5:56 47	21/7/2015 6:56 64 21/7/2015 23:01 58
16/7/2015 1:41 58	17/7/2015 2:46 58	18/7/2015 3:51 58	19/7/2015 4:56 57	20/7/2015 6:01 43	21/7/2015 23:06 59
16/7/2015 1:46 40 16/7/2015 1:51 58	17/7/2015 2:51 44 17/7/2015 2:56 58	18/7/2015 3:56 58 18/7/2015 4:01 55	19/7/2015 5:01 58 19/7/2015 5:06 57	20/7/2015 6:06 46 20/7/2015 6:11 47	21/7/2015 23:11 58 21/7/2015 23:16 58
16/7/2015 1:56 58	17/7/2015 3:01 51	18/7/2015 4:06 58	19/7/2015 5:11 57	20/7/2015 6:16 54	21/7/2015 23:21 58
16/7/2015 2:01 58 16/7/2015 2:06 57	17/7/2015 3:06 45 17/7/2015 3:11 57	18/7/2015 4:11 58 18/7/2015 4:16 58	19/7/2015 5:16 57 19/7/2015 5:21 57	20/7/2015 6:21 55 20/7/2015 6:26 56	21/7/2015 23:26 58 21/7/2015 23:31 57
16/7/2015 2:11 57	17/7/2015 3:16 58	18/7/2015 4:21 57	19/7/2015 5:26 58	20/7/2015 6:31 56	21/7/2015 23:36 58
16/7/2015 2:16 58 16/7/2015 2:21 58	17/7/2015 3:21 57 17/7/2015 3:26 57	18/7/2015 4:26 57 18/7/2015 4:31 57	19/7/2015 5:31 57 19/7/2015 5:36 58	20/7/2015 6:36 54 20/7/2015 6:41 58	21/7/2015 23:41 56 21/7/2015 23:46 57
16/7/2015 2:26 58	17/7/2015 3:31 58	18/7/2015 4:36 58	19/7/2015 5:41 58	20/7/2015 6:46 58	21/7/2015 23:51 57
16/7/2015 2:31 39 16/7/2015 2:36 57	17/7/2015 3:36 57 17/7/2015 3:41 57	18/7/2015 4:41 58 18/7/2015 4:46 47	19/7/2015 5:46 58 19/7/2015 5:51 58	20/7/2015 6:51 58 20/7/2015 6:56 59	21/7/2015 23:56 57 22/7/2015 0:01 55
16/7/2015 2:41 57	17/7/2015 3:41 57	18/7/2015 4:40 47	19/7/2015 5:56 48	20/7/2015 23:01 62	22/7/2015 0:01 55 22/7/2015 0:06 56
16/7/2015 2:46 57	17/7/2015 3:51 57	18/7/2015 4:56 57	19/7/2015 6:01 58	20/7/2015 23:06 61	22/7/2015 0:11 57
16/7/2015 2:51 57 16/7/2015 2:56 56	17/7/2015 3:56 57 17/7/2015 4:01 58	18/7/2015 5:01 58 18/7/2015 5:06 58	19/7/2015 6:06 50 19/7/2015 6:11 58	20/7/2015 23:11 60 20/7/2015 23:16 60	22/7/2015 0:16 55 22/7/2015 0:21 55
16/7/2015 3:01 57	17/7/2015 4:06 57	18/7/2015 5:11 57	19/7/2015 6:16 49	20/7/2015 23:21 62	22/7/2015 0:26 56
16/7/2015 3:06 57 16/7/2015 3:11 57	17/7/2015 4:11 57 17/7/2015 4:16 58	18/7/2015 5:16 57 18/7/2015 5:21 57	19/7/2015 6:21 50 19/7/2015 6:26 53	20/7/2015 23:26 61 20/7/2015 23:31 60	22/7/2015 0:31 59 22/7/2015 0:36 55
16/7/2015 3:16 57	17/7/2015 4:21 58	18/7/2015 5:26 40	19/7/2015 6:31 50	20/7/2015 23:36 61	22/7/2015 0:41 56
16/7/2015 3:21 57 16/7/2015 3:26 57	17/7/2015 4:26 58 17/7/2015 4:31 57	18/7/2015 5:31 44 18/7/2015 5:36 57	19/7/2015 6:36 54 19/7/2015 6:41 51	20/7/2015 23:41 62 20/7/2015 23:46 62	22/7/2015 0:46 53 22/7/2015 0:51 54
16/7/2015 3:26 57 16/7/2015 3:31 56	17/7/2015 4:31 57	18/7/2015 5:36 57 18/7/2015 5:41 58	19/7/2015 6:41 51 19/7/2015 6:46 56	20/7/2015 23:46 62 20/7/2015 23:51 60	22/7/2015 0:51 54 22/7/2015 0:56 51
16/7/2015 3:36 58	17/7/2015 4:41 57	18/7/2015 5:46 49	19/7/2015 6:51 54	20/7/2015 23:56 58	22/7/2015 1:01 51
16/7/2015 3:41 57 16/7/2015 3:46 57	17/7/2015 4:46 57 17/7/2015 4:51 57	18/7/2015 5:51 48 18/7/2015 5:56 50	19/7/2015 6:56 57 19/7/2015 23:01 58	21/7/2015 0:01 59 21/7/2015 0:06 58	22/7/2015 1:06 55 22/7/2015 1:11 45
16/7/2015 3:51 57	17/7/2015 4:56 57	18/7/2015 6:01 58	19/7/2015 23:06 57	21/7/2015 0:11 59	22/7/2015 1:16 52
16/7/2015 3:56 57 16/7/2015 4:01 65	17/7/2015 5:01 57 17/7/2015 5:06 57	18/7/2015 6:06 49 18/7/2015 6:11 52	19/7/2015 23:11 57 19/7/2015 23:16 56	21/7/2015 0:16 57 21/7/2015 0:21 57	22/7/2015 1:21 51 22/7/2015 1:26 50
16/7/2015 4:06 66	17/7/2015 5:11 57	18/7/2015 6:16 57	19/7/2015 23:21 57	21/7/2015 0:26 55	22/7/2015 1:31 43
16/7/2015 4:11 57 16/7/2015 4:16 58	17/7/2015 5:16 57 17/7/2015 5:21 58	18/7/2015 6:21 50 18/7/2015 6:26 54	19/7/2015 23:26 56 19/7/2015 23:31 55	21/7/2015 0:31 56 21/7/2015 0:36 58	22/7/2015 1:36 52 22/7/2015 1:41 51
16/7/2015 4:21 58	17/7/2015 5:26 58	18/7/2015 6:31 56	19/7/2015 23:36 54	21/7/2015 0:41 63	22/7/2015 1:46 47
16/7/2015 4:26 58 16/7/2015 4:31 58	17/7/2015 5:31 58 17/7/2015 5:36 57	18/7/2015 6:36 54 18/7/2015 6:41 55	19/7/2015 23:41 58 19/7/2015 23:46 54	21/7/2015 0:46 66 21/7/2015 0:51 65	22/7/2015 1:51 55 22/7/2015 1:56 50
16/7/2015 4:36 57	17/7/2015 5:41 58	18/7/2015 6:46 56	19/7/2015 23:51 54	21/7/2015 0:56 68	22/7/2015 2:01 53
16/7/2015 4:41 57 16/7/2015 4:46 57	17/7/2015 5:46 58 17/7/2015 5:51 45	18/7/2015 6:51 57 18/7/2015 6:56 58	19/7/2015 23:56 54 20/7/2015 0:01 53	21/7/2015 1:01 66 21/7/2015 1:06 64	22/7/2015 2:06 51 22/7/2015 2:11 35
16/7/2015 4:51 58	17/7/2015 5:56 51	18/7/2015 23:01 60	20/7/2015 0:06 54	21/7/2015 1:11 62	22/7/2015 2:16 48
16/7/2015 4:56 57 16/7/2015 5:01 56	17/7/2015 6:01 51 17/7/2015 6:06 50	18/7/2015 23:06 62 18/7/2015 23:11 58	20/7/2015 0:11 53	21/7/2015 1:16 58	22/7/2015 2:21 45 22/7/2015 2:26 58
16/7/2015 5:01 56 16/7/2015 5:06 57	17/7/2015 6:06 50 17/7/2015 6:11 53	18/7/2015 23:11 58 18/7/2015 23:16 58	20/7/2015 0:16 60 20/7/2015 0:21 47	21/7/2015 1:21 59 21/7/2015 1:26 57	22/7/2015 2:26 58 22/7/2015 2:31 57
16/7/2015 5:11 58	17/7/2015 6:16 54	18/7/2015 23:21 57	20/7/2015 0:26 40	21/7/2015 1:31 57	22/7/2015 2:36 58
16/7/2015 5:16 58 16/7/2015 5:21 58	17/7/2015 6:21 55 17/7/2015 6:26 54	18/7/2015 23:26 58 18/7/2015 23:31 57	20/7/2015 0:31 48 20/7/2015 0:36 44	21/7/2015 1:36 57 21/7/2015 1:41 55	22/7/2015 2:41 58 22/7/2015 2:46 57
16/7/2015 5:26 43	17/7/2015 6:31 57	18/7/2015 23:36 56	20/7/2015 0:41 51	21/7/2015 1:46 54	22/7/2015 2:51 58
16/7/2015 5:31 58 16/7/2015 5:36 58	17/7/2015 6:36 57 17/7/2015 6:41 57	18/7/2015 23:41 58 18/7/2015 23:46 58	20/7/2015 0:46 45 20/7/2015 0:51 47	21/7/2015 1:51 56 21/7/2015 1:56 62	22/7/2015 2:56 57 22/7/2015 3:01 57

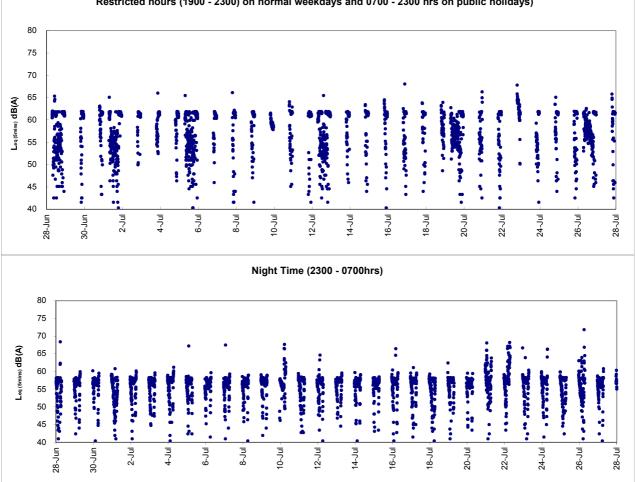
Real-time Noise Data 22/7/2015 3:06 57	RTN2a (Hong Kong Electric Centric 23/7/2015 4:11 57	re) 24/7/2015 5:16 58	25/7/2015 6:21 54	26/7/2015 23:26 56
22/7/2015 3:11 58	23/7/2015 4:16 57	24/7/2015 5:21 57	25/7/2015 6:26 52	26/7/2015 23:31 57
22/7/2015 3:16 57 22/7/2015 3:21 58	23/7/2015 4:21 58 23/7/2015 4:26 58	24/7/2015 5:26 58 24/7/2015 5:31 58	25/7/2015 6:31 54 25/7/2015 6:36 55	26/7/2015 23:36 57 26/7/2015 23:41 55
22/7/2015 3:26 57	23/7/2015 4:31 58	24/7/2015 5:36 45	25/7/2015 6:41 58	26/7/2015 23:41 55
22/7/2015 3:31 57 22/7/2015 3:36 61	23/7/2015 4:36 57	24/7/2015 5:41 49	25/7/2015 6:46 56	26/7/2015 23:51 56 26/7/2015 23:56 55
22/7/2015 3:36 61 22/7/2015 3:41 66	23/7/2015 4:41 58 23/7/2015 4:46 57	24/7/2015 5:46 49 24/7/2015 5:51 58	25/7/2015 6:51 58 25/7/2015 6:56 58	26/7/2015 23:56 55 27/7/2015 0:01 57
22/7/2015 3:46 58	23/7/2015 4:51 58	24/7/2015 5:56 52	25/7/2015 23:01 59	27/7/2015 0:06 54
22/7/2015 3:51 67 22/7/2015 3:56 63	23/7/2015 4:56 58 23/7/2015 5:01 58	24/7/2015 6:01 49 24/7/2015 6:06 47	25/7/2015 23:06 60 25/7/2015 23:11 63	27/7/2015 0:11 53 27/7/2015 0:16 53
22/7/2015 4:01 61	23/7/2015 5:06 58	24/7/2015 6:11 52	25/7/2015 23:16 59	27/7/2015 0:21 54
22/7/2015 4:06 58 22/7/2015 4:11 57	23/7/2015 5:11 58 23/7/2015 5:16 58	24/7/2015 6:16 55 24/7/2015 6:21 54	25/7/2015 23:21 59 25/7/2015 23:26 58	27/7/2015 0:26 53 27/7/2015 0:31 53
22/7/2015 4:16 60	23/7/2015 5:21 58	24/7/2015 6:26 56	25/7/2015 23:31 58	27/7/2015 0:36 52
22/7/2015 4:21 57 22/7/2015 4:26 57	23/7/2015 5:26 42	24/7/2015 6:31 55	25/7/2015 23:36 58	27/7/2015 0:41 54 27/7/2015 0:46 51
22/7/2015 4:26 57 22/7/2015 4:31 58	23/7/2015 5:31 51 23/7/2015 5:36 58	24/7/2015 6:36 58 24/7/2015 6:41 59	25/7/2015 23:41 57 25/7/2015 23:46 57	27/7/2015 0:51 52
22/7/2015 4:36 57	23/7/2015 5:41 49	24/7/2015 6:46 64	25/7/2015 23:51 57	27/7/2015 0:56 50
22/7/2015 4:41 59 22/7/2015 4:46 61	23/7/2015 5:46 47 23/7/2015 5:51 52	24/7/2015 6:51 66 24/7/2015 6:56 66	25/7/2015 23:56 57 26/7/2015 0:01 58	27/7/2015 1:01 58 27/7/2015 1:06 58
22/7/2015 4:51 63	23/7/2015 5:56 51	24/7/2015 23:01 58	26/7/2015 0:06 57	27/7/2015 1:11 54
22/7/2015 4:56 65 22/7/2015 5:01 59	23/7/2015 6:01 55 23/7/2015 6:06 54	24/7/2015 23:06 58 24/7/2015 23:11 59	26/7/2015 0:11 56 26/7/2015 0:16 56	27/7/2015 1:16 58 27/7/2015 1:21 39
22/7/2015 5:06 59	23/7/2015 6:11 56	24/7/2015 23:16 60	26/7/2015 0:21 56	27/7/2015 1:26 50
22/7/2015 5:11 58	23/7/2015 6:16 57	24/7/2015 23:21 59	26/7/2015 0:26 58	27/7/2015 1:31 58
22/7/2015 5:16 58 22/7/2015 5:21 56	23/7/2015 6:21 56 23/7/2015 6:26 58	24/7/2015 23:26 60 24/7/2015 23:31 59	26/7/2015 0:31 57 26/7/2015 0:36 56	27/7/2015 1:36 42 27/7/2015 1:41 46
22/7/2015 5:26 56	23/7/2015 6:31 58	24/7/2015 23:36 58	26/7/2015 0:41 54	27/7/2015 1:46 57
22/7/2015 5:31 57 22/7/2015 5:36 65	23/7/2015 6:36 59 23/7/2015 6:41 59	24/7/2015 23:41 57 24/7/2015 23:46 58	26/7/2015 0:46 55 26/7/2015 0:51 58	27/7/2015 1:51 58 27/7/2015 1:56 57
22/7/2015 5:41 67	23/7/2015 6:46 59	24/7/2015 23:51 57	26/7/2015 0:56 55	27/7/2015 2:01 57
22/7/2015 5:46 63 22/7/2015 5:51 62	23/7/2015 6:51 60 23/7/2015 6:56 60	24/7/2015 23:56 57 25/7/2015 0:01 58	26/7/2015 1:01 55 26/7/2015 1:06 53	27/7/2015 2:06 58 27/7/2015 2:11 58
22/7/2015 5:56 62	23/7/2015 23:01 58	25/7/2015 0:06 57	26/7/2015 1:11 56	27/7/2015 2:16 57
22/7/2015 6:01 59	23/7/2015 23:06 59	25/7/2015 0:11 57	26/7/2015 1:16 56	27/7/2015 2:21 57
22/7/2015 6:06 61 22/7/2015 6:11 63	23/7/2015 23:11 60 23/7/2015 23:16 60	25/7/2015 0:16 58 25/7/2015 0:21 56	26/7/2015 1:21 55 26/7/2015 1:26 53	27/7/2015 2:26 57 27/7/2015 2:31 56
22/7/2015 6:16 63	23/7/2015 23:21 58	25/7/2015 0:26 56	26/7/2015 1:31 55	27/7/2015 2:36 57
22/7/2015 6:21 68 22/7/2015 6:26 67	23/7/2015 23:26 59 23/7/2015 23:31 58	25/7/2015 0:31 57 25/7/2015 0:36 56	26/7/2015 1:36 53 26/7/2015 1:41 54	27/7/2015 2:41 57 27/7/2015 2:46 57
22/7/2015 6:31 64	23/7/2015 23:36 58	25/7/2015 0:41 55	26/7/2015 1:46 53	27/7/2015 2:51 57
22/7/2015 6:36 63 22/7/2015 6:41 64	23/7/2015 23:41 59 23/7/2015 23:46 57	25/7/2015 0:46 56 25/7/2015 0:51 55	26/7/2015 1:51 53 26/7/2015 1:56 55	27/7/2015 2:56 57 27/7/2015 3:01 56
22/7/2015 6:46 64	23/7/2015 23:51 57	25/7/2015 0:56 53	26/7/2015 2:01 60	27/7/2015 3:06 56
22/7/2015 6:51 64 22/7/2015 6:56 67	23/7/2015 23:56 57 24/7/2015 0:01 57	25/7/2015 1:01 55 25/7/2015 1:06 55	26/7/2015 2:06 63 26/7/2015 2:11 60	27/7/2015 3:11 57 27/7/2015 3:16 57
22/7/2015 23:01 59	24/7/2015 0:06 54	25/7/2015 1:11 53	26/7/2015 2:16 55	27/7/2015 3:21 56
22/7/2015 23:06 67	24/7/2015 0:11 56	25/7/2015 1:16 54	26/7/2015 2:21 57	27/7/2015 3:26 57
22/7/2015 23:11 59 22/7/2015 23:16 58	24/7/2015 0:16 55 24/7/2015 0:21 54	25/7/2015 1:21 55 25/7/2015 1:26 56	26/7/2015 2:26 55 26/7/2015 2:31 54	27/7/2015 3:31 55 27/7/2015 3:36 56
22/7/2015 23:21 59	24/7/2015 0:26 57	25/7/2015 1:31 54	26/7/2015 2:36 51	27/7/2015 3:41 57
22/7/2015 23:26 58 22/7/2015 23:31 58	24/7/2015 0:31 56 24/7/2015 0:36 55	25/7/2015 1:36 53 25/7/2015 1:41 54	26/7/2015 2:41 49 26/7/2015 2:46 52	27/7/2015 3:46 55 27/7/2015 3:51 57
22/7/2015 23:36 59	24/7/2015 0:41 55	25/7/2015 1:46 52	26/7/2015 2:51 51	27/7/2015 3:56 56
22/7/2015 23:41 58 22/7/2015 23:46 59	24/7/2015 0:46 55 24/7/2015 0:51 57	25/7/2015 1:51 55 25/7/2015 1:56 51	26/7/2015 2:56 53 26/7/2015 3:01 64	27/7/2015 4:01 56 27/7/2015 4:06 56
22/7/2015 23:51 58	24/7/2015 0:56 54	25/7/2015 2:01 53	26/7/2015 3:06 62	27/7/2015 4:11 57
22/7/2015 23:56 56	24/7/2015 1:01 53	25/7/2015 2:06 53	26/7/2015 3:11 61	27/7/2015 4:16 57
23/7/2015 0:01 57 23/7/2015 0:06 57	24/7/2015 1:06 50 24/7/2015 1:11 53	25/7/2015 2:11 50 25/7/2015 2:16 52	26/7/2015 3:16 55 26/7/2015 3:21 53	27/7/2015 4:21 57 27/7/2015 4:26 57
23/7/2015 0:11 57	24/7/2015 1:16 52	25/7/2015 2:21 47	26/7/2015 3:26 51	27/7/2015 4:31 56
23/7/2015 0:16 56 23/7/2015 0:21 56	24/7/2015 1:21 51 24/7/2015 1:26 51	25/7/2015 2:26 45 25/7/2015 2:31 52	26/7/2015 3:31 49 26/7/2015 3:36 52	27/7/2015 4:36 56 27/7/2015 4:41 57
23/7/2015 0:26 57	24/7/2015 1:31 51	25/7/2015 2:36 51	26/7/2015 3:41 55	27/7/2015 4:46 56
23/7/2015 0:31 58 23/7/2015 0:36 54	24/7/2015 1:36 48 24/7/2015 1:41 55	25/7/2015 2:41 58 25/7/2015 2:46 47	26/7/2015 3:46 47 26/7/2015 3:51 51	27/7/2015 4:51 57 27/7/2015 4:56 57
23/7/2015 0:41 55	24/7/2015 1:46 57	25/7/2015 2:51 48	26/7/2015 3:56 44	27/7/2015 5:01 57
23/7/2015 0:46 53 23/7/2015 0:51 55	24/7/2015 1:51 48 24/7/2015 1:56 58	25/7/2015 2:56 50 25/7/2015 3:01 58	26/7/2015 4:01 35 26/7/2015 4:06 58	27/7/2015 5:06 57 27/7/2015 5:11 56
23/7/2015 0:56 54	24/7/2015 2:01 52	25/7/2015 3:06 45	26/7/2015 4:10 58	27/7/2015 5:16 57
23/7/2015 1:01 54	24/7/2015 2:06 47	25/7/2015 3:11 58	26/7/2015 4:16 53	27/7/2015 5:21 58
23/7/2015 1:06 53 23/7/2015 1:11 53	24/7/2015 2:11 58 24/7/2015 2:16 58	25/7/2015 3:16 49 25/7/2015 3:21 49	26/7/2015 4:21 58 26/7/2015 4:26 52	27/7/2015 5:26 40 27/7/2015 5:31 57
23/7/2015 1:16 51	24/7/2015 2:21 42	25/7/2015 3:26 58	26/7/2015 4:31 50	27/7/2015 5:36 58
23/7/2015 1:21	24/7/2015 2:26 58 24/7/2015 2:31 58	25/7/2015 3:31 58 25/7/2015 3:36 58	26/7/2015 4:36 50 26/7/2015 4:41 58	27/7/2015 5:41 58 27/7/2015 5:46 58
23/7/2015 1:31 52	24/7/2015 2:36 58	25/7/2015 3:41 48	26/7/2015 4:46 41	27/7/2015 5:51 45
23/7/2015 1:36 45 23/7/2015 1:41 51	24/7/2015 2:41 58 24/7/2015 2:46 58	25/7/2015 3:46 40 25/7/2015 3:51 58	26/7/2015 4:51 58 26/7/2015 4:56 55	27/7/2015 5:56 49 27/7/2015 6:01 58
23/7/2015 1:46 48	24/7/2015 2:51 57	25/7/2015 3:56 58	26/7/2015 5:01 59	27/7/2015 6:06 46
23/7/2015 1:51 50	24/7/2015 2:56 57	25/7/2015 4:01 58	26/7/2015 5:06 54	27/7/2015 6:11 54
23/7/2015 1:56 44 23/7/2015 2:01 58	24/7/2015 3:01 57 24/7/2015 3:06 58	25/7/2015 4:06 58 25/7/2015 4:11 58	26/7/2015 5:11 51 26/7/2015 5:16 58	27/7/2015 6:16 53 27/7/2015 6:21 55
23/7/2015 2:06 58	24/7/2015 3:11 58	25/7/2015 4:16 58	26/7/2015 5:21 46	27/7/2015 6:26 56
23/7/2015 2:11 58 23/7/2015 2:16 58	24/7/2015 3:16 57 24/7/2015 3:21 57	25/7/2015 4:21 58 25/7/2015 4:26 42	26/7/2015 5:26 46 26/7/2015 5:31 46	27/7/2015 6:31 56 27/7/2015 6:36 58
23/7/2015 2:21 58	24/7/2015 3:26 58	25/7/2015 4:31 48	26/7/2015 5:36 43	27/7/2015 6:41 58
23/7/2015 2:26 45 23/7/2015 2:31 58	24/7/2015 3:31 58 24/7/2015 3:36 58	25/7/2015 4:36 58 25/7/2015 4:41 58	26/7/2015 5:41 53 26/7/2015 5:46 53	27/7/2015 6:46 58 27/7/2015 6:51 61
23/7/2015 2:36 64	24/7/2015 3:41 57	25/7/2015 4:41 58	26/7/2015 5:51 54	27/7/2015 6:56 60
23/7/2015 2:41 53	24/7/2015 3:46 57	25/7/2015 4:51 51	26/7/2015 5:56 63	27/7/2015 23:01 57
23/7/2015 2:46 58 23/7/2015 2:51 58	24/7/2015 3:51 57 24/7/2015 3:56 58	25/7/2015 4:56 58 25/7/2015 5:01 57	26/7/2015 6:01 72 26/7/2015 6:06 67	27/7/2015 23:06 57 27/7/2015 23:11 59
23/7/2015 2:56 57	24/7/2015 4:01 58	25/7/2015 5:06 58	26/7/2015 6:11 62	27/7/2015 23:16 59
23/7/2015 3:01 58 23/7/2015 3:06 58	24/7/2015 4:06 57 24/7/2015 4:11 57	25/7/2015 5:11 58 25/7/2015 5:16 58	26/7/2015 6:16 61 26/7/2015 6:21 58	27/7/2015 23:21 57 27/7/2015 23:26 60
23/7/2015 3:11 58	24/7/2015 4:16 57	25/7/2015 5:21 37	26/7/2015 6:26 57	27/7/2015 23:31 57
23/7/2015 3:16 58 23/7/2015 3:21 58	24/7/2015 4:21 57 24/7/2015 4:26 57	25/7/2015 5:26 54 25/7/2015 5:31 58	26/7/2015 6:31 58 26/7/2015 6:36 57	27/7/2015 23:36 58 27/7/2015 23:41 57
23/7/2015 3:26 58	24/7/2015 4:26 57 24/7/2015 4:31 57	25/7/2015 5:31 58	26/7/2015 6:41 58	27/7/2015 23:46 57
23/7/2015 3:31 57	24/7/2015 4:36 57	25/7/2015 5:41 58	26/7/2015 6:46 57	27/7/2015 23:51 56
23/7/2015 3:36 57 23/7/2015 3:41 57	24/7/2015 4:41 57 24/7/2015 4:46 58	25/7/2015 5:46 32 25/7/2015 5:51 51	26/7/2015 6:51 65 26/7/2015 6:56 60	27/7/2015 23:56 55
23/7/2015 3:46 57	24/7/2015 4:51 57	25/7/2015 5:56 49	26/7/2015 23:01 58	
23/7/2015 3:51 57 23/7/2015 3:56 58	24/7/2015 4:56 56 24/7/2015 5:01 57	25/7/2015 6:01 52 25/7/2015 6:06 52	26/7/2015 23:06 57 26/7/2015 23:11 59	
23/7/2015 4:01 57	24/7/2015 5:06 57	25/7/2015 6:11 52	26/7/2015 23:16 59	
23/7/2015 4:06 41	24/7/2015 5:11 57	25/7/2015 6:16 54	26/7/2015 23:21 56	I



Contract no. HK/2011/07 Wanchai Development Phase II and Central Wanchai Bypass Sampling, Field Measurement and Testing Works (Stage 2)

Graphic Presentation of Real Time Noise Monitoring Result (RTN2a- Hong Kong Electric Centre)





Restricted hours (1900 - 2300) on normal weekdays and 0700 - 2300 hrs on public holidays)



Appendix 6.1

**Event Action Plans** 



#### **Event/Action Plan for Construction Noise**

EVENT		Α	CTION	
	ET	IEC	ER	CONTRACTOR
Action Level being exceeded	<ol> <li>Notify ER, IEC and Contractor;</li> <li>Carry out investigation;</li> <li>Report the results of investigation to the IEC, ER and Contractor;</li> <li>Discuss with the IEC and Contractor on remedial measures required;</li> <li>Increase monitoring frequency to check mitigation effectiveness.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Review the investigation results submitted by the ET;</li> <li>Review the proposed remedial measures by the Contractor and advise the ER accordingly;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Supervise the implementation of remedial measures.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Submit noise mitigation proposals to IEC and ER;</li> <li>Implement noise mitigation proposals.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>



EVENT		A	CTION	
	ET	IEC	ER	CONTRACTOR
Limit Level being exceeded	<ol> <li>Inform IEC, ER, Contractor and EPD;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency;</li> <li>4. Identify source and investigate the cause of exceedance;</li> <li>5. Carry out analysis of Contractor's working procedures;</li> <li>6. Discuss with the IEC, Contractor and ER on remedial measures required;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results;</li> <li>If exceedance stops, cease additional monitoring.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	actions; 2. Review Contractor's remedial actions whenever necessary to	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Supervise the implementation of remedial measures;</li> <li>If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC and ER within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Submit further proposal if problem still not under control;</li> <li>Stop the relevant portion of works as instructed by the ER until the exceedance is abated.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>



### Event / Action Plan for Construction Air Quality

EVENT		ACTION		
	ET	IEC	ER	CONTRACTOR
ACTION LEVEL				
1. Exceedance for one sample	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Inform IEC and ER;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Notify Contractor.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Rectify any unacceptable practice;</li> <li>Amend working methods if appropriate. (The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>
2. Exceedance for two or more consecutive samples	<ol> <li>Identify source;</li> <li>Inform IEC and ER;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Discuss with IEC and Contractor on remedial actions required;</li> <li>If exceedance continues, arrange meeting with IEC and ER;</li> <li>If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>Advise the ET on the effectiveness of the proposed remedial measures;</li> <li>Supervise Implementation of remedial measures.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>Ensure remedial measures properly implemented.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Submit proposals for remedial to ER within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>
LIMIT LEVEL				
1. Exceedance for one sample	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Inform ER, Contractor and EPD;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>Supervise implementation of remedial measures.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>Ensure remedial measures properly implemented.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>
2. Exceedance for two or more consecutive samples	<ol> <li>Notify IEC, ER, Contractor and EPD;</li> <li>Identify source;</li> <li>Repeat measurement to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>Arrange meeting with IEC and ER to discuss the remedial actions to be taken;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results;</li> <li>If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li> <li>Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly;</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Ensure remedial measures properly implemented;</li> <li>If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.</li> <li>(The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Resubmit proposals if problem still not under control;</li> <li>Stop the relevant portion of works as determined by the ER until the exceedance is abated. (The above actions should be taken within 2 working days after the exceedance is identified)</li> </ol>



### **Event and Action Plan for Marine Water Quality**

EVENT		ACTION		
	ET	IEC	ER	CONTRACTOR
Action level being exceeded by one sampling day	Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC and Contractor; (The above actions should be taken within 1 working day after the exceedance is identified) Repeat measurement on next day of exceedance.	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with IEC on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented. (The above actions should be taken within 1 working day after the exceedance is identified)	Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and ER; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Action level being exceeded by more than one consecutive sampling days	Identify source(s) of impact; Inform IEC and Contractor; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC and Contractor; Ensure mitigation measures are implemented; Prepare to increase the monitoring frequency to daily; (The above actions should be taken within 1 working day after the exceedance is identified) Repeat measurement on next working day of exceedance.	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with IEC on the proposed mitigation measures; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Inform the Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET and IEC and propose mitigation measures to IEC and ER within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)



EVENT		ACTION		
	ET	IEC	ER	CONTRACTOR
Limit level being exceeded by one sampling day	Repeat in-situ measurement to confirm findings; Identify source(s) of impact; Inform IEC, contractor and EPD; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC, ER and Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Inform the Engineer and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 3 working days; Implement the agreed mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)
Limit level being exceeded by more than one consecutive sampling days	Identify source(s) of impact; Inform IEC, contractor and EPD; Check monitoring data, all plant, equipment and Contractor's working methods; Discuss mitigation measures with IEC, ER and Contractor; Ensure mitigation measures are implemented; Increase the monitoring frequency to daily until no exceedance of Limit level for two consecutive days. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with ET and Contractor on the mitigation measures; Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly; Assess the effectiveness of the implemented mitigation measures. (The above actions should be taken within 1 working day after the exceedance is identified)	Discuss with IEC, ET and Contractor on the proposed mitigation measures; Request Contractor to critically review the working methods; Make agreement on the mitigation measures to be implemented; Assess the effectiveness of the implemented mitigation measures; Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit level. (The above actions should be taken within 1 working day after the exceedance is identified)	Inform the ER and confirm notification of the non-compliance in writing; Rectify unacceptable practice; Check all plant and equipment; Consider changes of working methods; Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 3working days; Implement the agreed mitigation measures; As directed by the Engineer, to slow down or to stop all or part of the marine work or construction activities. (The above actions should be taken within 1 working day after the exceedance is identified)



## Event and Action Plan for Odour Patrol

Event		ACTION
	Person-in-charge of Odour Monitoring	Implementation Agent Identified by CEDD
Action Level		
Exceedance of Action Level	<ol> <li>Identify source/reason of exceedance;</li> <li>Repeat odour patrol to confirm finding.</li> </ol>	<ol> <li>Carry out investigation to identify the source/reason of exceedance;</li> <li>Rectify any unacceptable practice</li> <li>Implement more mitigation measures if necessary;</li> <li>Inform EPD or MD if exceedance is considered to be caused by expedient connections or floating debris.</li> </ol>
Limit Level		
Exceedance of Limit Level	<ol> <li>Identify source / reason of exceedance;</li> <li>Repeat odour patrol to confirm findings;</li> <li>Increase odour patrol frequency;</li> <li>If exceedance stops, cease additional odour patrol.</li> </ol>	<ol> <li>Carry out investigation to identify the source/reason of exceedance. Investigation shall be completed within 2 weeks;</li> <li>Rectify any unacceptable practice;</li> <li>Formulate remedial actions;</li> <li>Ensure remedial actions properly implemented;</li> <li>If exceedance continues, consider what more/enhanced mitigation measures shall be implemented;</li> <li>Inform EPD or MD if exceedance is considered to be caused by expedient connections or floating debris.</li> </ol>



Appendix 6.2

Summary for Notification of Exceedance



#### Contract No. HK/2011/07 Wanchai Development Phase II and Central Wanchai Bypass Sampling, Field Measurement and Testing Work (Stage2) Summary for Notification of Exceedance

### Lam Geotechnices Limited

Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action	
X_10D518	4-Jul-15	Mid-ebb	Ex-WPCWA SW	Middle	DO(mg/l)	1.81	3.19	3.10	Possible reason:	Possible in relation to the upstream organic discharge.
									Action taken/ to be taken:	Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checking with contractor works and review previous monitoring data.
									Remarks/ Other Obs:	No marine work was conducted at Ex-WPCWA on the monitoring date and upstream discharge at the concerned location were consistently observed. In view of no marine work activity was conducted , It was considered the exceedance was not related to Project.
X_10D519	4-Jul-15	Mid-flood	Ex-WPCWA SW	Middle	DO(mg/l)	2.96	3.19	3.10	Possible reason:	Possible in relation to the upstream organic discharge.
									Action taken/ to be taken:	Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checking with contractor works and review previous monitoring data.
									Remarks/ Other Obs:	No marine work was conducted at Ex-WPCWA on the monitoring date and upstream discharge at the concerned location were consistently observed. In view of no marine work activity was conducted and no exceedance on the subsequent monitoring, It was considered the exceedance was not related to Project.
X_10D520	15-Jul-15	Mid-ebb	Ex-WPCWA SW	Middle	DO(mg/l)	2.65	3.19	3.10	Possible reason:	Possible in relation to the upstream organic discharge.
									Action taken/ to be taken:	Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checking with contractor works and review previous monitoring data.
									Remarks/ Other Obs:	No marine work was conducted at Ex-WPCWA on the monitoring date and upstream discharge at the concerned location were consistently observed. In view of no marine work activity was conducted and no exceedance on the subsequent monitoring, It was considered the exceedance was not related to Project.
X_10D521	20-Jul-15	Mid-flood	Ex-WPCWA SW	Middle	DO(mg/l)	1.15	3.19	3.10	Possible reason:	Possible in relation to the upstream organic discharge.
									Action taken/ to be taken:	Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checking with contractor works and review previous monitoring data.
									Remarks/ Other Obs:	Despite mud transhipment was conducted at Ex-WPCWA on the monitoring date. Upstream discharge at the concerned location were consistently observed. In view of no exceedance on the subsequent monitoring, It was considered the exceedance was not related to Project. DO level was restored to normal level above WQO on 20 July 2015 during ebb tide.



Contract No. HK/2011/07 Wanchai Development Phase II and Central Wanchai Bypass Sampling, Field Measurement and Testing Work (Stage2) Summary for Notification of Exceedance

Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action	
X_10C631	29-Jun-15	Mid-flood	C7	DO(mg/l)	5.04	3.02	2.44	Possible reason:	Natural variation or changes of water quality in the vicinity of water abstraction location for the water quality monitoring station.
				Turbidity	13.73	11.35	12.71	Action taken/ to be taken:	Immediate repeated in-situ measurement had conducted to confirm the exceedances. Checking with contractor works and review previous monitoring data.
				SS	10.00	18.42	27.54	Remarks/ Other Obs:	No marine works was conducted in the vicinity of the water quality monitoring station under Contract HY/2009/15 and Contract HY/2010/08 on the monitoring date. In view of no marine activity was conducted on the monitoring date and no exceedance was recorded in subsequence monitoring, the exceedance was considered not related to Project.



Appendix 9.1

**Complaint Log** 



# Environmental Complaints Log

Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Out	come	Status
100321a	21/3/2010	ICC Case no. 1-224618029, Ms. Tsang	Location near Tin Hau	Complaint regarding the loud noise and dark smoke in the course of dredging works on 21 March 2010 (Sunday).		A valid Construction Noise Permit no. GW-RS0119-10 was granted from EPD since 18 <sup>th</sup> Feb. 2010 for the dredging works which carry out at area for North Point Reclamation.	Closed
					2)	Officer from Marine Department, Police and EPD's officer attended the scene for inspection and investigation.	
					3)	The Contractor (CHEC-CRBC JV) strictly comply all the conditions in CNP and take all mitigation measures in order to minimize the potential impacts to surrounding sensitive receivers. A formal letter was issued out by CHEC-CRBC JV and to explain the status of the recent construction activities.	
					4)	No limit level exceedance was recorded on the noise measurement during day time and evening time noise measurement on 23 March 2010. Additional restrict hours noise monitoring at Causeway Bay Community and City Garden was conducted on 5 April 2010 (Public Holiday). No limit level exceedance was recorded in the monitoring.	
					5)	No further complaints were received from Mr. Tsang in the reporting month. The complaint is considered closed.	
100321b	breakwater of the regarding loud no Causeway Bay from dredging Typhoon Shelter 21/3/2010 (Sund hours and betwee	A public complaint and enquiry regarding loud noises emanated from dredging activities on 21/3/2010 (Sunday) until 2220 hours and between 1920-1946 hours in the evening of 22 March		A valid Construction Noise Permit no. GW-RS0119-10 was granted from EPD since 18 <sup>th</sup> Feb. 2010 for the dredging works at area for North Point Reclamation during general holidays including Sunday between 0700-2300 hours and any day not being a general holiday between 1900-2300hours. It is complied with the condition of CNP.	Closed		
				2010(Monday).	2)	Officer from Marine Department, Police and EPD's officer attended the scene for inspection and investigation.	
					3)	No limit level exceedance was recorded on the noise measurement during day time and evening time noise measurement on 23 March 2010. Additional restrict hours noise monitoring at Causeway Bay Community and City Garden was conducted on 5 April 2010 (Public Holiday). No limit level exceedance was recorded in the monitoring.	
					4)	No further complaints were received in the reporting month. The complaint is considered closed.	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Out	tcome	Status
100504	4/5/2010	Public complainant received by ICC (ICC case: 1- 233384048)	Watson Road	Complaint on the noise nuisance due to the large scale of dredging machine (face to Island East Corridor) in particular the		Contractor for HY/2009/11 was granted valid Construction Noise Permit no. GW-RS0119-10 for their dredging works. Contractor has implemented mitigation measures to reduce the working hour not later than 2230.	Closed
				hours 1900 to 0800 and request to reduce the noise level.	2)	According to RSS 's record, no more daytime and night time dredging since the departure of the split hopper barge from the workplace on 29 April 2010 at 1900 hrs to 5 May 2010.	
				3)	No further complaints were received in the reporting month. The complaint is considered closed.		
100731	31/7/2010	by ICC (CC Case:		due to the dredging works.	1)	Contractor for HY/2009/11 was granted valid Construction Noise Permit no. GW-RS0371-10 for their dredging works.	Closed
	1-250702681)		Three construction plants were operated concurrently.	2)	There was only 1 grab dredger operated by Contractor within NPR project site area for dredging works.		
					3)	No noise exceedance was recorded at noise monitoring station at Victoria Centre on 27 July and 3 August 2010 during daytime and evening time period.	
					4)	It is considered as invalid from the EP and CNP point of view.	
100812	12/8/2010	Mr. Wong, Harbour Heights (Management) Ltd.	Harbour Heights	Management office received their resident complained on the noise nuisance from the dredging works at the marine	1)	Contractor for HY/2009/11 was granted valid Construction Noise Permit no. GW-RS0371-10 for their dredging works. Contractor has implemented mitigation measures to reduce the working hour not later than 2230.	Closed
				works area adjacent to the Harbour Height during the period from 0700 to 2200.	2)	No noise exceedance was recorded at noise monitoring station at Victoria Centre on 10 and 17 August 2010 during daytime and evening time period.	
					3)	It is considered as invalid complaint. No further complaints were received in the reporting month. The complaint is considered closed.	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Out	tcome	Status			
101108	8/11/2010	Mr. Nip received by ICC (CC Case)	Sai Wan Ho	Visual concern around the seaside silt screen outside the WSD freshwater intake pump at Sai Wan Ho (Monitoring station ref no WSD15)	1)	Contractor for HY/2009/11has been regular checked of condition and removal of trapped rubbish before the dismantling of the floating silt screen to be replaced by wall mount silt screen.	Closed			
							2	2)	Follow-up action had been immediately carried out to check and clear the floating refuse around the seaside silt screen after receipt of the complaint.	
						Removal of seaside silt screen outside the WSD freshwater intake (WSD15) by contractor HY/2009/11 was checked and confirmed dated 9 November 2010. Silt screen has been deployed into the existing steel frame at WSD15 for the protection of WSD salt water intake.				
101110	10/11/2010	Mr. Wong, Harbour Heights (Management) Ltd.	Harbour Heights	Management office received their resident complained on the noise nuisance from the power mechanical equipment during the 0700 to 2200hrs		Contractor for HY/2009/11 was granted valid Construction Noise Permit no. GW-RS0870-10 for their dredging works during evening time. Contractor has implemented mitigation measures to reduce the working hour not later than 2230.	Closed			
					2)	No noise exceedance was recorded at noise monitoring station at Victoria Centre on 4 and 10 November 2010 during daytime and evening time period.				
									3)	It is considered as invalid complaint. No further complaints were received in the reporting month. The complaint is considered closed.
101203	3/12/2010, 01:45a.m.	The resident of Block 11, City Garden by ICC referral from Marine	North Point	Bad odour was generated from the dredging plant off North Point		The first investigation was carried out by Marine Department patrol in the morning on 3 Dec 2010 at around 10:00 and revealed that a few working barges were anchoring in the vicinity without carrying out dredging work.	Closed			
		Department	Department		2)	A further specific investigation inspection on contractor's backhoe barge in the vicinity of City Garden was jointly conducted with Engineer Representatives (AECOM/RSS), and ET on 8 Dec 2010 at 11:30. No bad odour was noted during the investigation.				
					3)	Routine dredging operation of the backhoe barge was performed during the jointed investigation inspection and it was revealed that no bad odour was attributed by the dredged materials inspected.				
101206	6/12/2010	Ms Lui, the resident of 27/F, Block 10, City	City Garden, North Point	Two barges were generating noise at 22:00 on 6 December 2010 in which the noise from	.,	ET confirmed the following information with resident site staff on the complaint: • It was referred to the filling operation at North Point	Closed			



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
		Garden by ICC (ICC case: 1- 266039336)		filling operation was louder than the traffic noise & visual impact was generated due to the spot- light pointing directly to the complainant flat, suspected the filling operation was part of Wanchai Development Phase II; Complainant also raised the same complaint to District Councillor, Mr. Hui on 7 Dec 2010 regarding the night-time noise and suspected earlier start of work at 06:30. Complaint also requested for limiting the plant operating hours from 09:00- 21:00.	<ul> <li>Reclamation of Central Wan Chai Bypass site area instead of part of Wanchai Development Phase II;</li> <li>Two derrick barges were in operation at the time of complaint for placing 400 rockfill onto the excavation trench and for levelling the formation level to receive the pre-cast caisson seawall;</li> <li>Flood light on the control mast of derrick barge have no lighting shields for the prevention of glare of flood lights;</li> <li>No starting work on 7 Dec 2010 at 0630hours.</li> <li>PME used in restricted hours were checked and confirmed compliant with valid CNP no. GW-RS0870-10. The noise level recorded on 6 Dec 2010 was complied with the noise criteria during restricted hour;</li> <li>It was found that the occasional noise nuisance might be caused by the hitting or scratching onto the rock surface during loading down the grab onto the Grade 400 rockfill;</li> <li>The absence of the lighting shields at flood light results in visual glare to the complainant at night-time.</li> <li>Contractor was advised to minimize the finishing time of placing Grade 400 rockfill at 2100hrs and switch off all unnecessary flood lights apart from the light for the safety and security purpose;</li> <li>No further complaint was received after implementation of proposed measures</li> </ul>	
110415	15/04/2011	The resident, Mr Law at Victoria Centre by ICC (ICC#1- 281451236)	North Point	A dust generation and a concern of mosquitoes breeding complaint in which suspected the filling operation was part of North Point Reclamation.	<ol> <li>The concerned stockpile was a working stockpile under Contract HY/209/15 and was covered at night time after work.</li> <li>Water spraying on the haul road and potential dust generating material at least 4 times a day was conducted by contractor that complies with the requirement.</li> <li>It is considered invalid but preventive actions can be taken because the stockpile is relatively large and easily visible by complainant.</li> <li>It was recommended that increasing the frequency of water spraying shall be conducted to all potential dust generating materials and activities. Besides, Contractor should consider to cover the idle part of the stockpile</li> <li>The concern of mosquitoes breeding is out the scope of EM&amp;A, the follow-up action is not reported in this monthly EM&amp;A report.</li> </ol>	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Out	come	Status
110419	19/04/2011	Ms Chiu at Victoria Centre at Victoria Centre by ICC (ICC# 1- 272874759)	North Point	The episode of night noise on 19/4/11 and 20/4/11 at 2:50 am and the noise lasted for 30 minutes per night.	,,	According to the RSS's record, there was no construction works undertaken under the EP-356/2009 during the concern time period. There was no abnormal real-time noise monitoring data recorded in RTN1 - FEHD Hong Kong Transport Section Whitefield Depot which is next to the Victoria Centre. It is considered as invalid complaint under this Project.	Closed
110617	9/06/2011	Mr. Law from Victoria Centre Management Office	North Point	An odour nuisance suspected generating from the discharge point – Channel T at Watson Road in part of the site area was related to CWB under Contract no. HY/2009/11	1)	The complaint was received by ET on 13 Jun 2011. During the weekly site inspection on 7 and 17 June 2011, there was no any odour impact detected in the site area. According to the site record, there was muddy water discharged from the unknown source at upstream of Channel T during heavy rainstorm. No any site surface runoff to the Channel T and out of site boundary was observed in the inspection.	Closed
					3)	In order to prevent muddy water washing out to the water body under heavy rainstorm, a silt curtain was installed at the outfall of the channel by Contractor. ET confirmed with the Resident Site Staff that a silt curtain was installed at the outfall of the channel to prevent muddy water washing out to the water body under heavy rainstorm. Besides, regular cleaning of refuse in the channel has been conducted by Contractor.	
					4)	A further site investigation on 28 June 2011 revealed that no odour nuisance was detected at the upstream of the Channel T and no source of odour nuisance was identified at site. As such, it was concluded that the source of odour nuisance was not related to the Project works.	
					5)	Although no source of odour nuisance was identified at site, the muddy water and dirt from the unknown source at upstream of Channel T may cause a potential smell during low tide and low water flow. Contractor was reminded to remove the silt curtain at the channel on non-rainy day so as to avoid the accumulation of the sediment and dirt in the water channel.	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Out	tcome	Status
110709	09/07/2011	Mr. Au from City Garden Management Office	North Point	A complaint letter to Contractor HY/2009/11 was raised by Cayley Property Management Limit on 9 July 2011 regarding a series of pump breakdown events at seawater intake of City Garden on 4, 6, 7 and 8 July 2011. A lot of rubbish such as plastic bags, nylon bags, nylon- wire mesh was observed sucking from the seawater intake at the seawater front of Block 7 of City Garden affecting the operation of seawater pump plant.	2)	Contractor conducted formation works for installation of caisson seawall at C27, C28, C29 and C30 on 4, 6, 7 and 8 July 2011 and no dredging work was conducted during this time period Water mitigation measures of an 80m long silt curtain at the site boundary in front of City Garden Relocation of silt curtain and silt curtain at the outfall of the channel were provided and maintained to accommodate the site works. All vessels are equipped with rubbish collection facilities and disposed the rubbish regularly. Also, daily cleaning actions had been taken by contractor to minimize floating refuse within the site boundary. Moreover, it has been reported several times that discharged from outfall pipeline outside the site boundary near the intake of the pump maybe considered as another source of rubbish generation. Referring to the record provided by Cayley Property	Closed
						Management Limit, the trapped rubbish was unlikely generated from the construction works. It was considered that complaint is invalid and not related to project.	
110710	09/07/2011	Complainant by ICC (ICC no. 1- 301520309	North Point	It was received at 00:56 on 10 July 2011. There was complained a derrick barge unloading rockfill material off the shore facing the Harbour Grant HK Hotel causing noise nuisance.		ET confirmed with the Resident Site Staff that the complaint was referred to Contract HY/2009/15 for the loading and unloading of fill material at two barges operation in the sea at around 300m adjacent to Island Eastern Corridor (Oil Street Chainage) where is outside the Site of HY/2009/15 in the period of around 19:45 on 9 July to 1:00 on 10 July 2011.	Closed
					2)	The material loading and unloading operation processed in restricted hours was checked without a valid CNP. It was found that the operation was due to an unexpected water leakage of the hopper barge and considered an incident.	
					3)	According to the incident report provided from RSS on 20 July 2011, around 7:30 pm the barge S22 was inclined slightly and slightly water leakage might occur. Due to marine safety concern, the hopper barge would open the hopper to release the contained materials in order to reduce the weight and stabilize the barge. In consider of slight water leakage, the operator decided to use the nearby Derrick Barge ST32 to help for unload the general fill materials first and the unloading operation was started at around 7:45pm, and end at around 1:00 am. Contractor was reminder to provide frequent check of vessel condition	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Out	tcome	Status
						so as to prevent recurrent by barge defect	
110723a	23/07/2011	Ms. Law at Victoria Centre by ICC no. 1- 303887687	Victoria Centre by ICC no. 1- 303887687 Departr in the about c conduct 2300	She concerned that Highways Department published a notice in their Management Office about construction works will be conducted from 0700 hours to 2300 hours during July to December 2011 including	1) 2)	It was referred by AECOM to ET on 28 July 2011 RSS confirmed that the notice was prepared by Victoria Centre's Management office to their resident and the advice was only given on the extension construction works (for Contract HY/2009/15) to 7am-9pm from Monday to Saturday except Public Holidays and Sundays.	
				Saturday, Sunday and public holiday.	3)	As a mitigation measure to minimize the noise nuisance in the vicinity of the residents, rock breaking activities will be started at 8am and is expected to be completed by mid- August 2011.	Closed
		4)	No noise exceedance was recorded at construction noise monitoring station at Victoria Centre on 19 and 25 July 2011 during daytime while breaking and excavation works were undertaken during monitoring.				
					5)	In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. The complainant was satisfied with the arrangement and no further complaint was received after proposed measures.	
110723b	23/07/2011	Ms. Yau at Block 2, Victoria Centre by ICC no. 1- 304013959	North Point	Reclamation work was conducted at Causeway Bay Typhoon Shelter at 7am on 23 July 2011. She complained that the works shall be started later to minimize the noise nuisance	1) 2)	It was referred by AECOM to ET on 8 August 2011 With reference to the construction noise monitoring at Vitoria Centre, no exceedance was recorded on 19 and 25 July 2011 during daytime while breaking and excavation works were undertaken during monitoring	
				to the vicinity of the residents in early morning	3)	As a mitigation measure to minimize the noise nuisance in the vicinity of the residents, rock breaking activities will be started at 8am and is expected to be completed by mid- August 2011.	Closed
						In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. The complainant was satisfied with the arrangement and no further complaint was received after proposed measures.	
110727a	27/07/2011	Mr. Law from Victoria Centre Management Office by ICC no. 1-304616162	North Point	It was complained by Mr. Law from Victoria Centre Management Office on 27 July 2011 regarding construction noise generated by the construction operations of	2)	It was referred by AECOM to ET on 28 July 2011 RSS confirmed to start the rock breaking activities for Contract HY/2009/15 at 8am as a mitigation measure to minimize the noise nuisance in the vicinity of the residents. No noise exceedance was recorded at construction noise	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Ou	tcome	Status
				Central-Wanchai Bypass at noon rather than in morning at 7am.		monitoring station at Victoria Centre on 25 July and 4 August 2011 during daytime while breaking and excavation works were undertaken during monitoring.	
					4)	In conclusion, it was related to the construction works under Contract HY/2009/15 and mitigation measure was provided. No further complaint from complainant was received after proposed the mitigation measure.	
110727b	27/07/2011	Ms. Chiu by ICC no.1-304615409	North Point	Noise nuisance from the excavation works for the Highways Department adjacent to the Victoria Centre was conducted from 7am	2)	It was referred by AECOM to ET on 28 July 2011 With reference to the construction noise monitoring at Vitoria Centre, no exceedance was recorded on 25 July and 4 and 10 August 2011 during daytime while breaking and excavation works were undertaken during monitoring. As a mitigation measure to minimize the noise nuisance in the vicinity of the residents, rock breaking activities will be started at 8am.	
	08/08/2011				4)	However, complainant did not satisfy with the response on the noise nuisance from the rock-breaking during morning in front of Victoria Centre and then further complaint via 1823 on 7 August 2011.	Closed
					5)	Highways contacted the complainant on 15 August 2011 that the noisy rock breaking operation had been completed.	
					Re	marks: There will be counted as two complaints in this complaint log.	
110810	10/08/2011	Mr. Yip by ICC no. 1 – 306740207	North Point	Muddy water was discharged from work site to the seafront near Oil Street during heavy rain. The environmental protection measures were not good enough and are needed to rectify.	2)	It was referred by AECOM to ET on 17 August 2011. Confirmed with RE, Muddy water was caused by a heap of earth being washed to the sea by heavy rain. The heap of earth was referred as a small stockpile placed close to the seafront in front of Oil Street within the site area under handover transition period from contract HY/2009/11 to contract HY/2009/19. The necessary mitigation measures to protect the small stockpile against rainfall were missing at the time of complaint.	Closed
					3)	Due to the missing of mitigation measures to protect the small stockpile during handover transition period, loose material was washed into the harbour when heavy rain came. Muddy water was formed and dispersed in the sea that caused the water quality and visual concern to the public. The complaint was considered as valid. Contractors were advised to relocate the loose materials	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Out	come	Status
						away from the coastline as far as practicable. Any loose material placed which needed to be placed near the coastline shall be properly compacted or covered as appropriate. To avoid any further environmental deficiency, Contractors shall ensure all necessary environmental mitigation measures will not be missing during site area handover.	
110826	26/08/2011	Grand Hyatt and a complainant by ICC	Wan Chai	Construction noise and vibration nuisance generated from the works at Convention Avenue and inside the HKCEC1 reclamation area.	1) 2)	Confirmed with the Resident Site Staff that the construction works were referred to the Contractor HK/2009/01. The Excavator mounted breaker at Convention Avenue and Drilling rig at HKCEC1 reclamation area were the dominant construction noise source during this period.	
					3)	The drilling rig at HKCEC1 reclamation area and excavator mounted breaker at Convention Avenue were then temporary suspended after received the complaint.	
					4)	Investigation revealed that the erected noise barrier (4m cantilevered movable noise barrier for the drilling rig and 1m movable noise barrier for the excavator mounted breaker) were not located close to the plants to provide adequate noise screening.	Closed
					5)	Contractor was advised to avoid concurrent operation of construction plants at site. Further enhancement of movable noise barriers at HKCEC1 and providing noise enclosure for the excavator mounted breaker at Convention Avenue are needed.	
					6)	Further site investigation and checking on 31 August and 7 September 2011 revealed that the implemented noise mitigation measures were in proper and minimize the noise impact.	
110826A	26/08/2011	A complaint letter from Mr. Au of Cayley Property of City Garden	North Point	Harbor front adjacent to their cooling water intake suction which caused 3 times of system breakdown of the sea water pump on 9, 22 and 25 August 2011.	1)	It was referred by AECOM to ET on 29 August 2011. Confirmed with the Resident Site Staff that the • construction works were referred to the Contractors HY/2009/11 and HY/2009/19. • The pump is located on the site area of HY/2009/19 • A temporary garbage defender was installed on 23 July 2011 by HY/2009/11 and the shape of the defender was adjusted on 8 August 2011 in order to excluse the outfall.	Closed
						<ul> <li>An ad hoc inspection of the effectiveness of garbage defender was conducted with RSS (CWB project</li> </ul>	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	ıtcome	5	Status
					team), contractor of HY/200 IECon 29 August 2011. Ins submitted to RSS on 19 Se	pection report of it was	
					<ul> <li>Daily cleaning near the wate twice a day by contractor H<sup>3</sup></li> </ul>		
					<ul> <li>In response to City Garden have set up the temporary g function and collect the floa eliminate all refuses, in part from the seabed</li> </ul>	garbage defender in ting refuses, but cannot	
					According to the complaint lette the outcomes of the preventive complying wih their expectation	measures were not	
					During on-site inspection, floatin occasionally outside the garbag could be made for the source of the other hand, some of the refu floating behind the garbage defe	e defender. No conclusion these floating refuses. On uses were observed	
					All daily cleaning actions had be minimize floating refuse inside t		
					It was noted that the cooling wa to the public. As such, fish bree were observed even though a n Also, tripping of rubbish by the p a lot of rubbish accumulated arc	ding and fishing activities otice has already hoisted. bassers-by could result in	
					Referring to the record provided lot of nylon/ plastic bags and ny matched those rubbishes gener activities.	lon wire mesh that	
					Contractors have fulfilled the re- cleanness and no exceedance we Water Quality Monitoring. It is co complaint is not related to proje- issue in this project as well. No after ad-hoc inspection	was recorded during onsider the cause of this ct and environmental	
111014	14/10/2011	The complainant, Ms. Tam complained via hotline 1823	Wan Chai	The polluted fumes and exhaust from the excavation by sub-contractor of CEDD on pedestrian way outside no.25 Harbour Road (in front of the Harbour Centre)	RSS notified ET to carry out inv 2011. ET confirmed with the Resident of the excavator was within site HK/2009/02 undertaking the wa reprovision works along the Har including the excavator have be	Site Staff that the location area of Contract no. ter cooling main bour Road. The plants	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<ul> <li>at the site. However, the polluted fumes and exhausted from the excavator was caused due to insufficient maintenance of the plant after using at site.</li> <li>3) After receiving the complaint, the excavator was then removal off-site for checking and maintenance works on 17 October 2011.</li> </ul>	
					<ol> <li>Contractor was reminded to enhance regular checking and maintenance to all plants at site.</li> <li>RSS has replied to the complainant on the arrangement of the measures taken on 17 October 2011. Complainant was satisfied with the response and follow-up action taken by the Contractor.</li> </ol>	
111104	04/11/2011	Mr. Liu from LCSD complained via Contractor Complaint Hotline	Wan Chai	Complain about a tree near the site of pipe installation works outside Wan Chai Swimming Pool at Harbour Road, the status is not healthy and roof ball of two trees inside the site near Renaissance Hong Kong Harbour View Hotel at Convention Avenue were half cut.	<ol> <li>ET confirmed with the Resident Site Staff that         <ul> <li>A tree near the site of pipe installation works outside Wan Chai Swimming Pool at Harbour Road is the Tree no. TA1122 under Contract no. HK/2009/02. Leaves of a branch of this tree were shrivelled.</li> <li>Two trees inside the site near Renaissance Hong Kong Harbour View Hotel at Convention Avenue are the tree nos. A160 and A161 under Contract no. HK/2009/01. Part of roof ball of these two trees was covered by the metal plate.</li> </ul> </li> <li>Independent Tree Specialists for these two inspected the trees. Contractor HK/2009/01 has taken the measure as recommend downgrading the soil level around the trunk base. Reinstating of the ground works will be conducted in mid-December 2011. For the tree no. TA1122 under Contract no. HK/2009/02, the brown leaves were removed and fenced the tree with orange net is provided to prevent damage of tree trunk by construction works. The distance between the tree and the edge of the trench is kept approximate 2m. Two Contractors were reminded to carry out regular watering to the trees within their site area.</li> </ol>	Waiting RSS respond
111106	06/11/2011	Police officer	Wan Chai	Construction noise generated from the site at about 6:30 a.m on 6 November 2011 and require to stop the machine operation	<ol> <li>According to the information reported by Contractor, one BC cutter and hoist were operated for Diaphragm Wall construction of Shatin-Central Link to inspect bentonite pipes and ensure no damages and all the joints are tightened in good position. Then, the subcontractor for Diaphragm wall, SAMBO Korean foreman stopped the engine of the BC cutter immediately. The police officer recorded the details and HKID number of the foreman and then left. Due to the different language communication between the police officer and the Korean foreman, no</li> </ol>	Keep in view for three months from the date of complaint recevied



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Out	come	Status
					2)	CNP was checked by the police officer. ET confirmed with the Resident Site Staff that same issue was also raised out by RSS at about 7:00a.m on the same day. Besides, it was confirmed that there is no valid Construction Noise Permit for the conducted construction works in the period between 2300 and 0700.	
					3)	Due to insufficient communication between Contractor HK/2009/01 and their Korean Sub-contractor, Korean Sub-contractor had not notified to Contractor before carrying out the inspection of the BC cutter, hoists and bentonite pipes at about 6:00a.m to ensure no damages and all the pipe joints should be tightened and in good position.	
					4)	Contractor was advised to enhance the communication between Contractor and sub-contractor and provide sufficient environmental training to all foreman and operators on restricted hour operation. Futhermore, Construction Noise Permit should be checked and in place for the construction works during restricted hour	
					5)	This complaint was considered in relation to the conducted construction works during restricted hours without valid Construction Noise Permit. No more construction works were conducted during night time period. The construction works will be conducted in accordance with the time period stated in valid CNP. This complaint will be kept in view of any follow-up action from the relevant government activities.	
120405	05/04/2012	N/A	North Point	A complaint regarding excessive noise from construction sites of CBTS was observed daily before 7:30am except on public holidays, and the noise source was mainly from piling works. The complainant requested that construction works should start after 8:30am to avoid nuisance to nearby residents and a speedy follow-up and reply.	2)	RSS notified ET on 5 April 2012. ET confirmed with the Resident Site Staff that no piling works were performed during the concerned period. After reviewing the results of noise monitoring (M2b and M3a), no exceedance was recorded during daytime period and the noise level was below 75dB(A). Site inspection for HY/2009/15 was conducted on 10 April 2012. The condition of noise mitigation measures around CBTS was found satisfactory. RSS confirmed that no pilings were performed during the concerned period. The major works included drilling, diaphragm wall construction and excavations. HyD made a reply to the complainant on 16 April 2012 via 1823. HyD replied that the current works at CBTS were drilling, diaphragm wall construction and deep excavations. In order to minimize the noise generated	Closed



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					from the above works, the Contractor had erected temporary noise barriers and provided noise blankets on plants. RSS would continue to work with the Contractor on the effectiveness of the environmental mitigation measures implemented on site. No further complaint was received after the response.	
130308	06/03/2013	ICC Case#1- 407181502	Tin Hau	A complaint regarding the dropping of fine rock material into surrounding waterbody was observed during rock breaking operation with two excavators in active operation at the Eastern Breakwater of Causeway Bay Typhoon Shelter near the North Point lighthouse.	<ol> <li>RSS notified ET on 8 March 2013</li> <li>ET confirmed with RSS that excavation works, installation of buoy, flashing light and silt curtain and dredging works were undertaken at Eastern Breakwater during the concerned period on 6 March 2013. One backhoe equipped with breaker and one derrick barge were confirmed in operation while another backhoe was at idle during the concerned period on 6 March 2013.</li> <li>Reviewing the photo record provided by RSS, the condition of the silt curtain deployed around the Eastern Breakwater on 6 March 2013 was found to be in good condition. It is considered that the silt curtain was properly in place during the concerned period and the concerned act of dropping of fine rock material was confined within the silt curtain boundary without adverse impact to the nearby water quality.</li> <li>Further follow up was conducted on 12 March 2013 during weekly environmental audit inspection, the silt curtain deployed around the concerned area was found to be maintained in good condition and the water quality at the concerned work area was generally satisfactory. No violation of the Environmental Permit condition was found.</li> <li>The contracotr was advised and committed to implement preventive meaures to miminize the potential impact of work including conducting regular diver check to ensure the integrity and the extend of silt curtain deployment and to provide adequtae back up stock of silt curtain for emergency use.</li> </ol>	Closed
140612	12/06/2014	EPD ref: EP/860/F2/24 Annex IV	Wan Chai	The complaint is regarding to the water quality of the waterfront outside the Hong Kong Academy for Performing Arts Theatre Block, where a large piece of muddy water was found.	letter from EPD (ref: EP/860/F2/24 Annex IV) was received by ET on 13 June 2014.	Interim Report was submitted to EPD on 20 June 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Out	come	Status
					3)	the dispersion was observed partly extended beyond the outermost layer silt curtain at 1000hrs. Immediate follow up action was requested. It is considered that Contractor's mitigation measures would require further review on the effectiveness to avoid seepage of muddy dispersion such as regular diver inspection check and daily visual checking of silt curtains. Additional silt curtain at marine access zone was installed by Contractor on 12 June 2014 and the double layer silt curtain were generally in order. Follow-up inspection was further conducted on 16 June 2014. The Contractor's investigation report on the complaint	
140723	21/07/2014	ICC Case Ref: 2-341537112	Works area opposite to Ngan Tao Building	The complaint is regarding to construction noise impact to the complainant who could not sleep due to work and machine at the project site opposite to the Ngan Tao Building.	2)	case was submitted to EPA via email on 18 June 2014. Construction noise impact referred by RSS was received by ET on 25 July 2014 ET confirmed with RSS that horizontal cutting and removal of D-wall at Eastern, Southern and Northern side of TS2 was undertaken by Contractor of HY/2009/15 within Causeway Bay Typhoon Shelter before 23:00hrs on 20 July 2014 that total 3 numbers of derrick lighter and 3 numbers of saw cut machine were in operation, and removal of D-wall at Panel S30A-1 of TS2 was undertaken by Contractor of HY/2009/15 within Causeway Bay Typhoon Shelter around 00:25hrs to 00:56hrs on 21 July 2014 that total 1 number of derrick lighter was in operation. According to the relevant site records under Contract HY/2009/15, before 23:00hrs on 20 July 2014, horizontal cutting and removal of Diaphragm Wall at Eastern, Southern and Northern side of TS2 was conducted under HY/2009/15 within Causeway Bay Typhoon Shelter. Total 3 nos. of derrick lighter and 3 nos. of saw cut machine were in operation at the above period. From around 00:25hrs to 00:56hrs on 21 July 2014, removal of D-wall at Panel S30A-1 of TS2 was undertaken by Contractor of HY/2009/15 within Causeway Bay Typhoon Shelter. Total 1 no. of derrick lighter was found operating at the above period It was considered the condition of CNP GW-RS0592-14 was not fulfilled by the Contractor of HY/2009/15. "From 00:25hrs to 00:57hrs on 21 July 2014, the PME(s) (1 no. of Derrick Lighter) on-site could not follow with any given PME grouping requirement(s) as stated in condition 3.a.	Final report (Issue1) issued on 31 July 2014. Further to complainant follow-up, Final report (Issue2) Issued on 12 Aug 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					<ul> <li>Notwithstanding the above, according to the site recorded provided by the RSS, the derrick lighter was found malfunction at around 23:00hrs on 20 July 2014 while the diaphragm wall cutting procedure was incomplete. Under safety and navigation consideration, the completion of diaphragm wall removal was necessary and of imminent need.</li> <li>5) The Contractor of HY/2009/15 was advised to review the construction sequence and emergency response procedure for construction activities during restricted hours and night time period to allow for sufficient buffer time for work completion such that the Construction Noise Permit would be followed. Furthermore, the Contractor of HY/2009/15 was suggested to conduct throughout checking of PME used on site prior to work</li> </ul>	
141016	14/10/2014	EPD Ref.: EP860/E2/24 Annex IV ICC complaint received by ET on 10 October 2014	Work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground.	Construction noise like piling works was heard on 14 October 2014 night until 23:45 hrs. It was suspected that the noise was emanated from the work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground.	works. A public complaint regarding construction noise impact referred by EPD was received by ET on 16 October 2014 (EPD Ref.: EP860/E2/24 Annex IV dated 16 October 2014). The complainant reported that construction noise like piling works was heard on 14 October 2014 night until 23:45 hrs. It was suspected that the noise was emanated from the work site next to new Wan Chai Ferry Pier and opposite to Wan Chai Sports Ground. ET confirmed with the Resident Site Staff that From 19:00hrs to 23:00hrs on 14 October 2014, dredging works was are during Contention of the Content of t	Interim investigation report submitted to EPD on 23 October 2014. Updated interim investigatio
					<ul> <li>conducted under Contractor of HK/2009/02 at WCR3 Area.</li> <li>Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.</li> <li>From 23:00 hrs to 05:00 hrs, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area.</li> <li>Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.</li> </ul>	n with supplement ary information submitted to EPD on 17 November 2014



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					From 23:00 hrs to 06:00hrs, panel replacement works was conducted under Contractor of HK/2009/02 at the Temporary Covered Walkway.	
					Total one scissor platform and two hand held drills (battery) were in operation.	
					From 23:00 hrs to 06:00hrs, trial pit works was conducted under Contractor of HK/2009/02 at Hung Hing Road.Total one crane lorry was in operation.	
					According to the relevant site records under Contract HK/2009/02, from 19:00hrs to 23:00hrs on 14 October 2014, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area. Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.	
					From 23:00 hrs to 05:00 hrs, dredging works was conducted under Contractor of HK/2009/02 at WCR3 Area.Total one grab dredger was in operation. Mitigation measures including provision of steel sheeting screening to the power generation part of the grab dredger was implemented by the Contractor of HK/2009/02.	
					From 23:00 hrs to 06:00hrs, panel replacement works was conducted under Contractor of HK/2009/02 at the Temporary Covered Walkway. Total one scissor platform and two hand held drills (battery) were in operation.	
					From 23:00 hrs to 06:00hrs, trial pit works was conducted under Contractor of HK/2009/02 at Hung Hing Road. Total one crane lorry was in operation.	
					In view of the above findings, no direct information associated with the noise concern was considered available.	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
141110	07/11/2014	EPD Ref.: H05/RS/000278 15-14	Construction site at old Wan Chai Ferry Pier	Malodour of construction plant exhaust from the construction site at old Wan Chai Ferry Pier	A public complaint regarding odour concern referred by EPD was received by ET on 07 November 2014 (EPD Ref.: H05/RS/00027815-14 dated 10 November 2014).	Interim investigation report
		EPD complaint received by ET on 10 November		was scented that affecting the swimmers at Wan Chai Swimming Pool.	The complainant reported that Malodour of construction plant exhaust from the construction site at old Wan Chai Ferry Pier was scented that affecting the swimmers at Wan Chai Swimming Pool.	submitted to EPD on 17 November 2014.
		2014			ET confirmed with the Resident Site Staff that	
					ELS works was conducted on 7 November 2014 during daytime at Portion 2 (Area oppsite to WanChai Swimming Pool).	EPD advised no comment on the interim
					Total 3 nos. of excavators, 2 nos. of crawler cranes, 2 nos. of generator, 1 no. of crane lorry and 2 no. of dump trucks were operated.	report and case closed on 1 Dec 2014.
					Demolition works was conducted on 7 November 2014 during daytime at West of old Wan Chai Ferry Pier.	2011
					Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. of tug boat were operated.	
					Dredging works was conducted on 7 November 2014 during daytime at WCR3 (East of old Wan Chai Ferry Pier)	
					Total 1 no .of dredger, 1 no. of hopper and 1 no. of tug boat were operated.	
					According to the relevant site records under Contract HK/2009/02, ELS works was conducted on 7 November 2014 during daytime at Portion 2 (Area oppsite to WanChai Swimming Pool). Total 3 nos. of excavators, 2 nos. of crawler cranes, 2 nos. of generator, 1 no. of crane lorry and 2 no. of dump trucks were operated. Demolition works was conducted on 7 November 2014 during daytime at West of old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. of tug boat were operated.	
					Follow-up inspection was conducted during weekly environmental inspection on 13 November 2014, no dark smoke emission was observed from the PMEs operating on- site. The condition of chemical waste storage was considered satisfactory and no malodour was identified. Despite no information related to malodour was identified, the Contractor was reminded to conduct regular checking on the condition of PMEs to ensure only well maintained PMEs are used on site.	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Based on the relevant information provided by RSS, despite no information associated with the malodour concern was identified after investigation, the Contractor was reminded to conduct regular checking on the condition of PME used on site to ensure only well maintained PME are used on site The interim report would be submitted to EPD on 17 November 2014.	
141113	12/11/2014	EPD Ref.: H05/RS/000282 53-14 EPD complaint received by ET on 13 November 2014	Construction site at old Wan Chai Ferry Pier	Malodour and dark smoke emission from an excavator located at the construction site at old Wan Chai Ferry Pier was observed that affecting the pedestrians.	A public complaint regarding odour concern referred by EPD was received by ET on 13 November 2014 (EPD Ref.: H05/RS/00028253-14 dated 13 November 2014). The complainant reported thatMalodour and dark smoke emission from an excavator located at the construction site at old Wan Chai Ferry Pier was observed that affecting the pedestrians. (Contract HK/2009/02) ET confirmed with the Resident Site Staff that demolition works was conducted under Contract HK/2009/02 on 12 November 2014 during daytime at old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. tug boat were operated. According to the relevant site records under Contract HK/2009/02, demolition works was conducted on 12 November 2014 during daytime at old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. tug boat were operated. According to the relevant site records under Contract HK/2009/02, demolition works was conducted on 12 November 2014 during daytime at old Wan Chai Ferry Pier. Total 2 nos. of excavators, 1 no. of derrick barge and 1 no. tug boat were operated. In addition, investigation found that due to malfunctioning of one of the excavators deployed at old Wan Chai Ferry Pier, dark smoke was emitted from the defective excavator for a short period of approximately 30 seconds at around 15:00 hrs on 12 November 2014. The operation of excavator was immediately suspended and followed by repair works. The normal operation of the excavator was resumed after repair. Follow-up inspection was conducted during weekly environmental inspection on 13 November 2014, no dark smoke emission was observed from the PMEs operating on- site and the Contractor of HK/2009/02 was reminded to conduct regular checking on the condition of PMEs to ensure only well maintained PMEs are used on site.	Interim investigation report submitted to EPD on 19 November 2014. EPD advised no comment on the interim report and case closed on 8 Dec 2014.



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
141121	Not Specified	EPD Ref: H08/RS/28263-14 EPD complaint information and findings was received by ET via email on 21 Nov 2014	Causeway Bay Typhoon Shelter	Resident in Hing Fat Street complaining about loud noise from dredging work in CBTS up to 10pm at night.	<ul> <li>EPD received a construction noise complaint from dredging works at Causeway Bay Typhoon Shelter and a resident in Hing Fat Street complaining about loud noise from dredging work in CBTS up to 10pm at night.</li> <li>EPD investigation found that the operation of a derrick barge is covered by CNP no. GW-RS0701-14.</li> <li>EPD reminded the Contractor of HY/2011/08 to ensure the work strictly follow the permit conditions and endeavor to minimize the noise as so not to disturb the nearby residents.</li> </ul>	Complaint case handled by EPD and relevant investigation findings was sent to ET on 21 November 2014
150127	21 Jan 2015	EPD complaint (EPD Ref.: H05/RS/00001 725-15) received by ET on 27 January 2015 and further information from EPD regarding the updated location under complaint was received by ET on 30 January 2015	A portion of Hung Hing Road immediately to the east of Marsh Road near SPCA	Construction dust and grit was emitted from the construction site to the carriageway causing nuisance to the public.	A public complaint regarding air quality impact referred by EPD was received by ET on 27 January 2015 (EPD Case Ref.: H05/RS/00001725-15 dated 27 January 2015) and further information from EPD regarding the updated location under complaint was received by ET on 30 January 2015. The complainant reported that construction dust and grit was emitted from the construction site to the carriageway causing nuisance to the public. ET confirmed with the Resident Site Staff that the major construction activities around the concerned location conducted on 21 January 2015 include breaking of seawall blocks and D-wall at TPCWAW; concreting, grouting and drilling works at TPCWAW;reclamation/ backfilling works at TPCWAW Mitigation measures implemented by the Contractor for the above construction works include spraying haul road with water; covering bagged cement with tarpaulin; providing three sided and top covering for grouting stations; providing water spraying to dusty activities such as breaking works According to the relevant site records, breaking of seawall blocks and D-wall, concreting, grouting and drilling works and reclamation/ backfilling works were	Interim report submitted to EPD on 9 February 2015



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					conducted at TPCWAW. Dust mitigation measures including spraying haul road with water, covering bagged cement with tarpaulin, providing three sided and top covering for grouting stations and water spraying to dusty activities such as breaking works were implemented by the Contractor of HY/2009/15 near the concerned location on 21 January 2015.	
					Follow-up investigation was conducted on 27 January 2015 during weekly environmental inspection, dust mitigation measures including water spraying for dusty haul road and major dust generation works; and provision of three sides and top covering for grouting station were confirmed in place.	
					In addition, based on the review of the monitoring data of the monitoring station located at the concerned location raised by the complainant, namely monitoring station CMA3a, no action or limit level exceedance was recorded during air quality monitoring conducted on 20 and 21 January 2015. Nevertheless, the Air Quality Health Index (AQHI) recorded by EPD across Western District and Eastern District on the complaint date was ranged from 4 to 10+ indicating a severely high concentration of ambient air pollutants.	
					As such, the site condition under Contract HY/2009/15 at the concerned location was considered to be generally satisfactory and no non-conformity related to cumulative air quality impact was observed. Nevertheless, in view of the public concern, the contractor was reminded to enhance the dust mitigation measures implemented to minimize potential nuisance to nearby public.	
150622	18 June 2015	EPD Ref.:H05/RS/ 00015054-15 dated 8 June	A mooring location near shore and at location outside Wan Chai Sports	Dark smoke and malodour emission was observed from a hopper barge moored near shore and	A public complaint regarding dark smoke and malodour concern referred by EPD was received by ET on 22 June 2015 (EPD Ref.: H05/RS/00015054-15 dated 22 June 2015). The complainant reported that dark smoke and malodour emission was observed from a hopper barge	Interim report submitted to EPD on 29 June 2015



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
		2015	Ground	other construction plants under operation from the reclamation construction site	moored near shore and other construction plants under operation from the reclamation construction site with Contract no. HK/2009/02 at location outside Wan Chai Sports Ground caused air pollution. The complainant alleged that the said situation had been observed for a prolonged period.	
					ET confirmed with the Resident Site Staff that reinforced bar fixing and concreting work (on 17 June 2015 only) were conducted at Portion 2 from 15 June 2015 to 19 June 2015. Total 3 nos. of mobile crane were in operation. On 17 June 2015, one no. of concrete pump truck and two nos. of concrete mixer were in operation.Excavation and Lateral Support was conducted at Portions 3 & 4 from 15 June 2015 to 19 June 2015. Total 4 nos. of excavator, 2 nos. of truck and 2 nos. of crawler crane were in operation. In addition, on 15 June 2015, 17 June 2015 and 19 June 2015, 1 no. of derrick barge was moored near Portions 3 & 4 for transportation of the excavated material away from site. According to the relevant site records under Contract HK/2009/02, from 15 June 2015 to 19 June 2015, reinforced bar fixing and concreting work (on 17 June 2015 only) were conducted at Portion 2 and total 3 nos. of mobile crane, one no. of concrete pump truck (on 17 June 2015 only) and two nos. of concrete mixer (on 17 June 2015 only) were in operation; excavation and lateral support was conducted at Portions 3 & 4 and total 4 nos. of excavator, 2 nos. of truck and 2 nos. of crawler crane were in operation. Based on relevant site record, no hopper barge was moored under Contract HK/2009/02 around the concerned location while 1 no. of derrick barge was moored under Contract HK/2009/02 around the concerned location while 1 no. of derrick barge was moored under Contract HK/2009/02 around the concerned location while 1 no. of derrick barge was moored under Contract HK/2009/02 around the concerned location while 1 no. of derrick barge was moored under Contract HK/2009/02 around the concerned location while 1 no. of derrick barge was moored under Contract HK/2009/02 around the concerned location while 1 no. of derrick barge was moored under Contract HK/2009/02 near Portions 3 & 4 for transportation of the excavated material from Portions 3 & 4 away from site on 15 June 2015,17 June 2015 and 19 June 2015 respectively.	
					Follow-up inspection was conducted during weekly	



Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					environmental inspection on 25 June 2015, no dark smoke and malodour emission was observed from the PMEs operating on-site. A derrick barge was observed moored near Portions 3 & 4 and excavated material was transferred to the derrick barge by the excavators on land without barge operation and no particular dark smoke and malodour emission was observed. Nevertheless, the Contractor was reminded to conduct regular checking on the condition of the derrick barge and other PMEs deployed on site to ensure only well maintained PMEs are used to avoid potential dark smoke and maldour emission affecting nearby public.	
150723	20 July 2015	EPD Ref.:H05/RS/ 00018040-15 dated 23 July 2015	Ex-Wanchai Ferry Pier near 720 & & 722 Bus stop	Malodour from marine sediment	A public complaint regarding malodour referred by EPD was received by ET on 23 July 2015 (EPD Ref.: H05/RS/00018040-15 dated 23 July 2015). The complainant reported that malodour from marine sediment was scented at ex-Wanchai ferry pier near route 720 & 722 bus stop. (Contract HK/2009/02). ET confirmed with the Resident Site Staff that Rockfill placing works was conducted by one derrick barge at the concerned location (WCR3) under Contract HK/2009/02 on 20 July 2015. No marine sediment was stored or placed on site at the concerned location under Contract HK/2009/02 on 20 July 2015. According to the relevant site records under Contract HK/2009/02, rockfill placing works was conducted by one derrick barge at WCR3 area on 20 July 2015 and no marine sediment was stored or placed on site at the concerned location on the concerned date. Follow-up inspection was conducted during weekly environmental inspection on 29 July 2015. No marine sediment was observed stored or placed at the concerned location while it was noted that a culvert outfall with potential odour concern is located adjacent to the concerned location.	Interim report submitted to EPD on 30 July 2015.

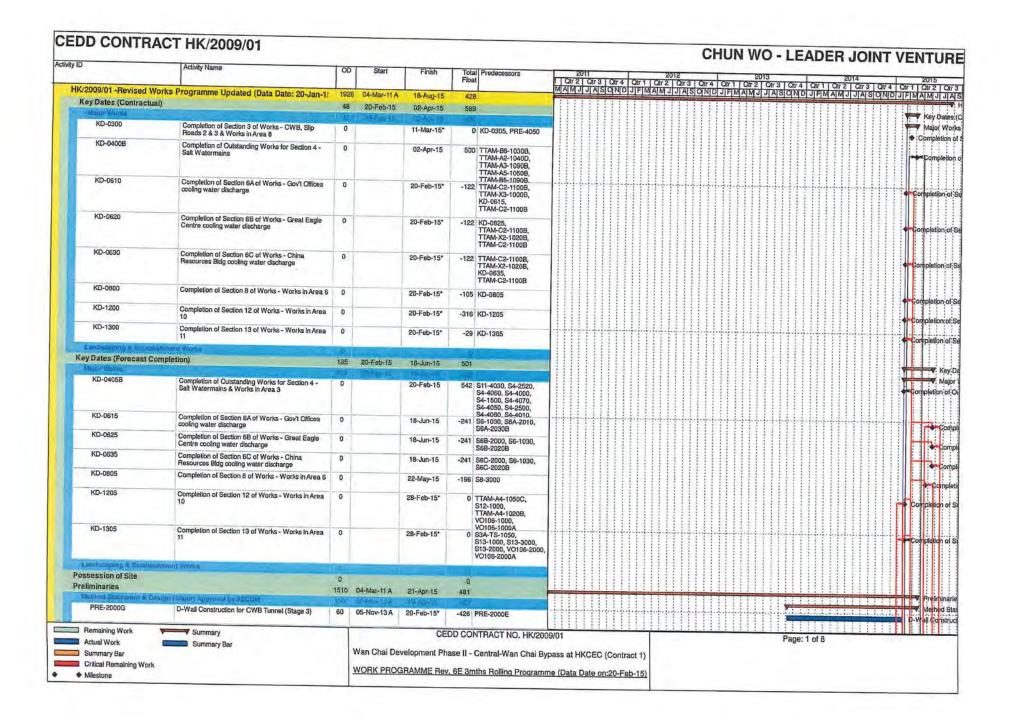


Complaint Log No.	Date of Complaint	Received From and Received By	Location of Complainant	Nature of Complaint	Outcome	Status
					Nevertheless, the Contractor was reminded to review the handling procedures in case of any future marine sediment handling at the concerned location and to consider the implementation of mitigation measures as appropriate to minimize potential malodour impact to nearby public.	



Appendix 10.1

Construction Programme of Individual Contracts



# CEDD CONTRACT HK/2009/01

# **CHUN WO - LEADER JOINT VENTURE**

| RE-2030B  | ELS for CWB Stage 2  |  | the second se  | the second se   |   |  | MAM  
   |   |   | 1   |   |   
   
  |  |   
   
   |   
   
   |  |  
   |   |  |   | _  | _  | _  | -   
  | Contraction of the   | 100   | -  |
|---|--|--|--|---|---|--
--|---|---|---|---
--
--
--|--
--
---
--
---|--
--|---|--|---|--|--
--|--|--|---|--|
| 75 00000  |  | 30   | 20-Mar-14 A  | 20-Mar-15   | 513   | PRE-2030A,<br>PRE-3050B  | 111  
   | 111   |   |   | 111   |   
   
  |  
           | 11  
   |   
   
   |  |  
   |   |  | 1   |  | 11   | 77   | TT  
  |  | ES  | 1  | | | | |
| HE-2030C  | ELS for CWB Stage 3  | 30   | 19-Apr-14 A  | 19-Apr-15   | 483   | PRE-3050C,<br>PRE-2030B  |      
   |   |   |   |   |   
   
  |  
           |   
   |   
   
   |  |  
   | 111   |  | H   |  | 11   | 11   | |
  |  | 1   | 4  |
| utory // Authority Approv   |  | 610  | 20-Au-11-A   | 20-04015  | 082   |  |      
   |   |   | -   | -   | -   
   
  | -  
           | ant days  
   |   
   
   | -  |  
   | a desident  | -  | -   |  |  | and and  | Contraction of  
  |  |   | tat  | | | | |
| RE-3050B  | ELS for CWB Tunneling Works Stage 2 (GEO)  | 28   | 21-Feb-15*   | 20-Mar-15   | -601  | PRE-3050D,<br>PRE-3050A  |      
   |   |   |   |   |   
   
  | 111  
           |   
   |   
   
   |  |  
   |   |  |   |  |  |  | |
  | F  | ELS   | 1  |
| RE-3050C  | ELS for CWB Tunneling Works Stage 3 (GEO)  | 28   | 23-Mar-15  | 19-Apr-15   | 483   | PRE-3050D,<br>PRE-3050B  |      
   |   |   |   |   |   
   
  | 11   
           |   
   |   
   
   |  |  
   |   |  |   |  |  |  | |
  |  |   | 4  |
| RE-3050D  | ELS for CWB Tunneling Works Stage 1B (GEO) for<br>Bottom Up  | 28   | 20-Apr-11 A  | 20-Feb-15   | -601  | PRE-3050A  |      
   | 11  |   |   | 111   | 111   
   
  | 111  
           | 11  
   |   
   
   | 111  |  
   | 111   |  | 11  |  |  | 11   | 11  
  |  |   |  |
| RE-3310   | Stage 2 Tunnel Structure Design  | 60   | 20-Feb-15  | 20-Apr-15   | 482   | S3B-TS-1000  |      
   |   |   | 111   | 111   | 111   
   
  | 111  
           | 11  
   | 111   
   
   | 111  |  
   | 111   |  | 11  |  |  | 11   |   
  | E  |   |  |
| RE-3320   | Stage 3 Tunnel Structure Design  | 60   | 20-Feb-15  | 20-Apr-15   | 482   | S3C-TS-1100  | 111  
   |   |   | 111   | 111   | 111   
   
  | 111  
           | 11  
   | 111   
   
   | 111  |  
   | 111   |  | 11  | 111  |  | 11   | 11  
  | E  |   | ia   |
| minimis Connection 5  | Submitteren Approval by WSD/Stakeholdere   | 1.51   | 20 Feb 15  | 10-00-015.  | 507   |  | 111  
   |   | 111   | 111   | 1.1.1.  | 1.1.1   
   
  | 111  
           | .1.1.   
   | 1.1.1   
   
   | 1.1.   | 1.1.1  
   | .1.1.1  |  | 44  |  |  |  | |
  |  | N III   | e  |
| PRE-3200C   | Salt Water Mains (S3)  | 28   | 20-Feb-15*   | 19-Mar-15   |   |  |      
   |   |   | 111   | 111   |   
   
  | 111  
           | 11  
   | 111   
   
   | 11   |  
   | 111   | 11   | 11  | 111  |  | 11   | | |
  | E  | 5   | Ľ.   |
| PRE-3200D   | Salt Water Mains (S8)  | 28   | 20-Feb-15*   | 19-Mar-15   |   | and the second state of th | 111  |   
   |   | 111   | 111   | 111   
   
  | 111  | 11  
   
   | 111   
   
   | 11   | 111  | 111   | | |
  | 11  |  |  |  |  |  
   | O   | 1  |
| PRE-3200E   | Salt Water Mains (S9)  | 28   | 20-Feb-15*   | and the second data water and the   |   | and the second   | _ !!!  
   | 111   | 111   | 111   | 111   | 111   
   
  | 111  | 11  
   
   | 111   
   
   | 11   |  
   | 111   |  | 11  | 111  |  |  | 11 1  
  | 目  |   |  |
| PRE-32000   |  | 28   |  |   |   |  | - 11 
   |   |   | 111   | 111   | 111   
   
  | 111  
           | 11  
   | 111   
   
   | 11   |  
   | 110   |  | 11  | 111  |  |  | |
  |  | d   |  |
| PRE-3200P   |  | the second second  | the state and includes and provide the state   |   |   |  |      
   |   | h-1-4-  | 4.4.4   | deni-i-   | 4.4.4   
   
  | 44   
           |   
   | ++-+  
   
   |  |  
   |   |  |   |  |  |  | 1   
  | 1  | C   | 5  |
|   | and the second se  | 28   |  | and the second se   | -151  | KD-0010  |  | -                               
   |   | 111   |   |   
   
  |  |   
   
   |   
   
   |  | -  | -   
   | ter ter  | and making  | in in  | -  | fremelarent  | In succession of   | H  
   |   |  |
| RE-4020   | Contractor's Detailed Design   | 30   | 09-Jul-11 A  | 20-Feb-15   | 481   | PRE-4000   |      
   | -   |   | 111   | 111   | 111   
   
  | 111  
           | 11  
   | 111   
   
   | 11   |  
   | 11  |  | 11  | 11   |  |  | |
  |  | on  | AC I   |
| RE-4030   | AECOM's and GEO's approval on Detailed Design  | 60   | 21-Feb-15  | 21-Apr-15   | 481   | PRE-4010, PRE-4020   |      
   |   |   |   | 111   |   
   
  |  
           |   
   |   
   
   |  |  
   |   |  |   |  |  |  |   
  |  |   | ie:  |
| montoda Doman (251.0)   |  | 9  | ALC: COMPANY   | 212-101-1   | -   |  | minin
   |   | 111   |   |   |   
   
  |  
           | -   
   |   
   
   |  | -  
   | -   | -  | -   |  | -  |  |   
  | 4  |   |  |
| RE-5100C  | Approval of ICCP of Cross-Harbour Mains - by<br>AECOM & Relevant Authorities   | 9  | 04-Mar-11 A  | 20-Feb-15   | 542   | 2  | 11   
   |   | 111   |   |   | 11  
   
  |  
           |   
   |   
   
   |  |  
   |   |  |   | 11   |  |  | |
  |  | ρp  | va   |
| Materials Manufacture   | & Site Delivery  | 0  |  |   |   | ).   |      
   |   | 111   | 111   | 111   | 111   
   
  |  
           |   
   | 111   
   
   |  | 111  
   | 11  | 111  |   | 11   | 11   | 113  | |
  | ŧII.   |   | ł  |
|   | And a second s  | D.   |  | -   | 1   | 1  |   
  | 111   | 111   | 111   |   |  
   
   |  |  
   
  | 111  
   
  |  |  |  
  | 111  | 111   | 11   | 11   | 11   |  | Ш   
  | 11  | i  |
|   |  | Ugri   |  |   | 1 1   | 1  |      
   |   | HF  | 111   | 111   | 11  
   
  |  
           | 11  
   | 111   
   
   |  |  
   | 11  |  |   | 11   | 11   |  | |
  | EII.   |   | ł  |
|   |  | 12"  |  |   |   |  |      
   |   |   |   |   |   
   
  |  
           |   
   | 14.   
   
   |  | 4.4.   
   |   | 4  |   | 44.  | 1.i.   |  | <b>.</b>  
  | Ł.   | 1.1   | ł  |
| tion 3 - CW2 Tunnal   | and the second se  | 1.0  |  |   |   |  |  
   | 111   | 111   | 111   | 111   | 11  
   
  |  |   
   
   | 11  
   
   |  |  | | | | | |
   | 111  |   | 11   | 11   | 11   |   
  |  |   |  |
| orary Traffic Arrangem  | ent (TTA) Submission & Approval  | 0  |  |   |   | 2  |      
   | 111   | 111   | 11  |   | 11  
   
  |  
           | 111   
   | 11  
   
   | 111  | 111  
   |   | 11   |   | 11   | 11   | 11   |   
  | 11   |   |  |
| e Al Qunction between   | Convention Avenue and Expo Driver  |  |  |   |   |  | 11   
   | 111   | 111   | 111   | 111   | 11  
   
  |  
           | 111   
   | 11  
   
   |  | 11   
   |   | 11   |   | 11   | 11   |  | |
  | 11   |   | ÷  |
| te A2 (AL Convention Ave  | found  | 10   |  |   |   |  |      
   | 111   | 111   |   |   |   
   
  |  
           |   
   | 11  
   
   |  | 11   
   | 111   | 11   | 111   | 11   | 11   | 11   | |
  |  |   |  |
| In A3 TAL Forwick Plor St   | Ionfi  | 0  |  |   |   |  |      
   | 111   | 111   |   |   | 11.   
   
  | L.I.I.   
           | 1.1.1.  
   | 11.   
   
   |  | 1.1.   
   |   | 1.1.   | 1.1.1.  |  | 1.4.   |  |   
  | 11   | I   | ÷  |
|   |  | 0  |  |   | 1 1   | A CONTRACTOR OF A CONTRACTOR A   | 11   | 111   
   | 111   | 11  |   |   
   
  |  |   
   
   | 11  
   
   |  | 11   | | | | | |
   | 11   | 111   | 11   | 11   | 11   |  |  
   |   |  |
|   |  | 0  |  |   |   |  |      
   | 111   | 111   | 11  |   |   
   
  |  
           | 111   
   | 11  
   
   | 111  | 11   
   |   | 11   | 111   | 11   | 11   | 11   |   
  |  | 1   | 1  |
|   | on-Ott Amounted Passanner Drop-Off Arra and Est  | 13   |  |   |   | 2  | 11   
   | 111   | 111   | 11  |   |   
   
  | 111  
           | 111   
   | 11  
   
   | 11   | 11   
   |   | 11   | 111   | 11   | 11   | 11   |   
  | ш  | 1 1   |  |
|   |  | 1  |  |   |   |  | 14   
   | 111   | 111   | 11  |   |   
   
  |  
           |   
   | 11  
   
   | 111  | 11   
   | 111   | 11   | 111   | 11   | 11   | 11   | |
  | H  |   |  |
|   |  | 1  |  |   |   |  |      
   | 111   | 111   | 11  |   | 11  
   
  | 111  
           | 111   
   | 11  
   
   | 111  | 11   
   | 111   | 11   | 111   | 11   | 11   |  |   
  |  |   |  |
|   |  | -  |  |   |   |  | 44   
   | 111   | 111   | 11  | 1111  | 111   
   
  | 111  
           | 111   
   | 11  
   
   | 111  | 11   
   | 111   | 11   | 111   | 11   | 11   | 11   |   
  |  |   | Q.   |
|   |  |  |  |   |   |  | 11   
   | 111   | 111   | 11  |   | 11  
   
  |  
           | 111   
   | 11  
   
   |  | 11   
   | 111   | 11   | 111   | 11   | 11   | 11   | |
  |  |   |  |
|   |  | 1.1  |  |   |   |  |      
   | 111   | 111   |   | 111   | 111   
   
  | 111  
           | 111   
   | 11  
   
   | 111  | 11   
   | 111   | 11   | 111   | 11   | 11   | 11   |   
  |  |   | E  |
|   |  |  |  |   |   |  | 111  
   | 111   | 111   | 11  |   | 11  
   
  |  
           | 111   
   | 11  
   
   | 111  | 11   
   | 114   | 11   | 111   | 11   | 11   | 11   | |
  |  |   |  |
|   |  | 0  |  |   |   |  |      
   | 111   | 111   |   |   | 111   
   
  | 111  
           | :::   
   | 11  
   
   | 111  | 11   
   | 111   | 11   | 111   | 11   | 11   | 11   |   
  | E  |   |  |
|   | mile miler Esper (Inive Sast)  |  |  |   |   |  | + + +
+ + + + + + + + + + + + + + + + +  |   |   |   |   |   
   
  |  
           | 1-1-1   
   |   
   
   | 111  |  
   | 1-1-1   | 1.4.   | 111   |  | 11   | 111  | 111   
  |  |   | 1  |
| né C (Espa Drive East)  | and the second sec   | 1.3  | 1  | -   | _   | 1  | 11   | 111   
   | 111   |   | 111   |   
   
  | 111  | 111   
   
   | 11  
   
   | 111  | 11   | 111   
   | 11   | 111   | 11   | 11   | 11   |  | 1  
   | -   | 7  |
|   |  | 103  | 20-Feb-15  | 22-May-15   | 53  | 4  | - 11 
   | 111   | 11  |   | 111   |   
   
  | 111  
           | 111   
   | 11  
   
   | 111  | 11   
   | 111   | 11   | 111   | 11   | 11   | 11   | |
  |  |   |  |
|   |  | 1  | THE OWNER  | T append  |   |  |      
   | 111   |   | 11  |   |   
   
  |  
           |   
   |   
   
   | 111  |  
   | 111   | 11   |   |  | 11   | 11   | |
  | Y  |   |  |
| and the second se |  | 0  | The second se  | 20-Feb-15   | 54  | 2 54-2080  |  
   | 111   | 111   | 11  | 111   | 111   
   
  | 111  | 11  
   
   |   
   
   | 111  | 11   | 111   
   | 11   | 111   | 11   | 11   | 11   | 111   
  | 14   | TA  | Co   |
| and the second second second  |  |  | 1  |   |   |  |
2009/01  | 1   |   |   |   |   
   
  |  
                 |   
   |   
   
   |  |  
   | P   | age:   | 2 of 8  | В  |  |  | |
  |  |   |  |
|   |  |  |  |   |   |  |      
   |   |   |   | dent  |   
   
  |  
           |   
   |   
   
   |  |  
   |   |  |   |  |  |  | |
  |  |   |  |
| ctual Work  | Summary Bar  |  | Wan Chai   | Development   | Phase I   | I - Central-Wan Chai   |
Bypass   | at HK   | CEC (   | (Contr  | act 1)  | (   
   
  |  
                 |   
   |   
   
   |  |  
   |   |  |   |  |  |  | |
  |  |   |  |
| ummary Bar  |  |  |  |   |   |  |      
   |   |   |   |   |   
   
  |  
           |   
   |   
   
   |  |  
   |   |  |   |  |  |  |   
  |  |   |  |
| critical Remaining Work   |  |  | WORK PR  | OGRAMME F   | Rev. 6E   | <b>3mths Rolling Progra</b>  | amme
(C  | Data D  | ate on  | 1:20-F  | ep-15)  |  
   
   |   
            |  
  |  
   
  |  |   
  |   |  |   |  |  |  | | | | | | | | | | | | | | | | | | | | | | |
   |  |   |  |
|   | RE-3050D<br>RE-3310<br>RE-3320<br>Comment Connector F<br>PRE-3200C<br>PRE-3200C<br>PRE-3200C<br>PRE-3200C<br>PRE-3200C<br>PRE-3200C<br>PRE-3200C<br>PRE-3200C<br>RE-4020<br>RE-4020<br>RE-4020<br>RE-4030<br>Conton Company (PSL)<br>RE-4030<br>Conton Company (PSL)<br>RE-4030<br>Conton Company (PSL)<br>RE-5100C<br>Materials Manufacture<br>Ion 1- Cross Harbourd<br>Ion 2- Company (PSL)<br>RE-5100C<br>Materials Manufacture<br>Ion 1- Cross Harbourd<br>Ion 2- Company (PSL)<br>RE-5100C<br>Materials Manufacture<br>Ion 2- Company (PSL)<br>RE-5100C<br>Materials Manufacture<br>Ion 2- Company (PSL)<br>Ion 2 | RE-3050D       ELS for CWB Tunneling Works Stage 1B (GEO) for<br>Bottom Up         RE-3310       Stage 2 Tunnel Structure Design         RE-3320       Stage 3 Tunnel Structure Design         RE-3200       Salt Water Mains (S3)         PRE-3200D       Cooling Watermains (BF)         PRE-3200Q       Cooling Watermains (BG)         PRE-3200Q       Cooling Watermains (BG)         PRE-3200Q       Cooling Watermains (BG)         Instructure Design       Contractor's Detailed Design         RE-4020       Contractor's Detailed Design         RE-4020       Contractor's Detailed Design         RE-5100C       Approval of ICCP of Cross-Harbour Mains - by<br>AECOM & Relevant Authonities         Materials Manufacture & Site Delivery       Contractor's Design (VC)         Innon - Gross Harbour Maintering       Contractor's Design (VC)         Innon - Gross Harbou | RE-30500       ELS for CWB Tunneling Works Stage 1B (GEO) for<br>Bottom Up       28         RE-3310       Stage 2 Tunnel Structure Design       60         RE-3320       Stage 3 Tunnel Structure Design       60         RE-3200       Salt Water Mains (S3)       28         PRE-32000       Salt Water Mains (S3)       28         PRE-32000       Salt Water Mains (S3)       28         PRE-32000       Cooling Watermains (BF)       28         PRE-4020       Contractor's Detailed Design       30         RE-4020       Contractor's Detailed Design       60         totor of Design (153,04)       9       4         RE-5100C       Approval of ICCP of Cross-Harbour Mains - by<br>ACCOM & Relevant Authorities       9         Materials Manufacture & Site Delivery       0       0         totor of Cross-Harbour Mains - by<br>Accourt & Relevant Authorities       0       0         totor of Cross-Harbour Mains - by<br>Accourt & Relevant Authoroties       < | RE-3050D     ELS for CWB Tunneling Works Stage 1B (GEO) for<br>Bottom Up     28     20-Apr-11 A       RE-3050D     ELS for CWB Tunnel Structure Design     60     20-Feb-15       RE-3020D     Stage 3 Tunnel Structure Design     60     20-Feb-15       PRE-3200C     Satt Water Mains (S3)     28     20-Feb-15'       PRE-3200C     Satt Water Mains (S3)     28     20-Feb-15'       PRE-3200C     Satt Water Mains (S3)     28     20-Feb-15'       PRE-3200C     Satt Water Mains (S9)     28     20-Feb-15'       PRE-3200C     Cooling Watermains (B7)     28     20-Feb-15'       PRE-3200C     Cooling Watermains (B0)     28     20-Feb-15'       PRE-3200Q     Cooling Watermains (B1)     28     20-Feb-15'       PRE-4020     Contractor's Detailed Design     80     9-Jul-11 A       RE-4020     Contractor's Detailed Design     80     21-Feb-15       Tortor & Design (CVB Dispinson Water)     9     04-Mar-11 A       RE-5100C     Approval of ICCP of Cross-Harbour Mains - by     9     04-Mar-11 A       Materials Manufacture & Site Delivery     0     0     0       Tortor & Design (CVB Dispinson & Approval)     0     0     0       Tortor & Design (CCCM & Belowand Authorities     0     0     0       Tortor & Design | RE-3050D         ELS for CWB Tunneling Works Stage 18 (GEO) for<br>Bottom Up         28         20-Apr-11A         20-Feb-15           RE-3010         Stage 2 Tunnel Structure Design         60         20-Feb-15         20-Apr-15           RE-3020         Stage 3 Tunnel Structure Design         60         20-Feb-15         20-Apr-15           RE-3020         Satt Water Mains (S3)         28         20-Feb-15         20-Apr-15           PRE-32000         Satt Water Mains (S3)         28         20-Feb-15         10-Main-15           PRE-32000         Satt Water Mains (S0)         28         20-Feb-15         10-Main-15           PRE-32000         Cooling Watermains (B/D)         28         20-Feb-15         21-Apr-15           RE-4020         Contractor's Detailed Design         30         99-Jul-11A         20-Feb-15           RE-5100C         Approval of I | RE-30500         ELS for CWB Tunneling Works Stage 1B (GEO) for<br>Boltom Up         28         20-Apr-11         20-Feb-15         4601           RE-3010         Stage 2 Tunnel Structure Design         60         20-Feb-15         20-Apr-15         422           RE-3010         Stage 3 Tunnel Structure Design         60         20-Feb-15         20-Apr-15         442           RE-3020         Salt Water Mains (S8)         28         20-Feb-15         19-Mar-15         607           PRE-3200C         Salt Water Mains (S8)         28         20-Feb-15         19-Mar-15         607           PRE-3200D         Salt Water Mains (S8)         28         20-Feb-15         19-Mar-15         607           PRE-3200D         Cooling Watermains (B7)         28         20-Feb-15         19-Mar-15         157           PRE-3200D         Cooling Watermains (B1)         28         20-Feb-15         19-Mar-15         157           PRE-3200D         Cooling Watermains (B1)         28         20-Feb-15         19-Mar-15         481           RE-4020         Contractor's Detailed Design         30         09-Jul-11         20-Feb-15         19-Mar-15         481           RE-4020         Contractor's Detailed Design         30         02-Feb-15         19-Mar-16   | PEE-30500         ELS for CWB Turneling Works Stage 18 (GEC) for<br>Bet-3020         20-Apr-11A         20-Feb-15         20-Apr-15         482         S30-TS-1000           RE-3020         Stage 3 Turnel Structure Design         60         20-Feb-15         20-Apr-15         482         S30-TS-1000           RE-3020         Stage 3 Turnel Structure Design         60         20-Feb-15         20-Apr-15         482         S30-TS-1000           RE-3020         Salt Water Mains (S3)         28         20-Feb-15         18-Mar-15         507         KD-0010           PRE-32000         Salt Water Mains (S3)         28         20-Feb-15         18-Mar-15         427         KD-0010           PRE-32000         Cooling Watermains (B0)         28         20-Feb-15         18-Mar-15         451         KD-0010           PRE-32000         Cooling Watermains (B0)         28         20-Feb-15         18-Mar-15         451         PRE-4000           RE-4020         Contractor's Dataled Design         30         0-Ju-Feb-15         18-Mar-15         451         PRE-4000           RE-4030         AECOM's and GEO's approval on Detailed Design         50         24-Feb-15         24-Feb-15         542           RE-4030         AECOM's and GEO's approval on Detailed Design         50 | Bit Store         List for CWB Tunneling Works Stage 18 (GEO) for<br>Bit Bit 2 Tunnel Sinceture Design         28         20-Apr-11A         20-Feb-15         400 (Stage 2)         Stage 2 Tunnel Sinceture Design         60         20-Feb-15         20-Apr-15         442 (Stag 7-100)           RE-3020         Stage 2 Tunnel Sinceture Design         60         20-Feb-15         20-Apr-15         442 (Stag 7-100)           RE-3020         State 2 Tunnel Sinceture Design         60         20-Feb-15         20-Apr-15         442 (Stag 7-100)           RE-3020         Stat Water Maris (S0         28         20-Feb-15         19-Mar-16         507 (KO-010)           PRE-20200         Stat Water Maris (S0         28         20-Feb-15         19-Mar-16         515 (KO-010)           PRE-20200         Coding Watermans (B)         28         20-Feb-15         19-Mar-16         151 (KO-010)           PRE-20200         Coding Watermans (B)         28         20-Feb-15         19-Mar-16         1451 (KO-010)           RE-4020         Contractor's DataIdd Design         80         0-Jefe-15         21-Apr-18         445         PRE-4000           RE-4020         Contractor's DataIdd Design         80         0-Jefe-15         51         24           RE-5000C         Approval of ICCP of Cross-Heaton Malins | RE-30500         EL:S for CWB Tunneling Worke Stage 18 (GEO) for<br>Bettern Up         28         20-Apr-11A         20-Feb-15         -501         PRE-30503           RE-3020         Stage 2 Tunnel Structure Design         60         20-Feb-15         30-Apr-15         482         303 TE-1100           RE-3020         Stage 2 Tunnel Structure Design         60         20-Feb-15         30-Apr-15         482         303 TE-1100           RE-3020         Stat Vater Mates (33)         28         29-Feb-15         40-Apr-15         482         303 TE-1100           RE-30200         Satt Vater Mates (33)         28         29-Feb-15         40-Apr-15         482         300 TE-110           RE-30200         Cooling Watermates (30)         28         29-Feb-15         40-Apr-15         481         No-010           RE-3020         Cooling Watermates (30)         28         29-Feb-15         40-Apr-15         441         No-010           RE-4020         Conting Watermates (30)         28         29-Feb-15         441         PRE-4000           RE-4020         Conting Watermates (30)         28         29-Feb-15         441         PRE-4000           RE-4020         Conting Watermates (30)         28         29-Feb-15         414         PRE-4000      < | Bit State         Pressoon         Pressoon         Pressoon           BE 42000         Bug of Turnel By Norke Stage 1B (GEO) for<br>Bit State Distance Design         00         20-Feb-15         -601         PRE-3050A           BE 3310         Stage 3 Turnel By Norke Stage 1B (GEO) for<br>BE 3320         28         20-Apr-15         20-Apr-15         422         Stage 3 Turnel By Norke Design         00         20-Feb-15         20-Apr-15         422         Stage 3 Turnel By Norke Design         00         20-Feb-15         20-Apr-15         422         Stage 3 Turnel By Norke Design         00         20-Feb-15         20-Apr-15         422         Stage 3 Turnel By Norke Design         00         20-Feb-15         20-Apr-15         422         Stage 3 Turnel By Norke Design         00         20-Feb-15         19-Mar-15         507         No-010           PRE-3000         Sak Water Main (S9)         28         20-Feb-15         19-Mar-15         515         No-010           PRE-3020         Cooling Watermains (B0)         28         20-Feb-15         19-Mar-15         411         PRE-4020           Contradicts Date         Contradicts Date         Contradicts Date         20         20-Feb-15         19-Mar-15         411         PRE-4020           Contradicts Date         Contradicts Date         Contradic | Excoso         PIEL         PIEL | BEGOOD         ELS for CWB Turneling Works Stage 18 (GEQ) for<br>Bottom Up         20 April 14         20 Feb 15         401         PRE-3000           Bittom Up         Stage 2 Turnel Structure Delyn         60         20 Feb 15         20 April 14         20 Feb 15         20 April 14         20 Feb 15         401         PRE-3000           RE-3020         Stage 2 Turnel Structure Delyn         60         20 Feb 15         20 April 14         425 SQC Feb 100         442 SQC Feb 100           RE-3020         Stat Water Mars (S)         28         20 Feb 15         19 Marc 16         507 ICO-010           PRE-3020C         Stat Water Mars (S)         28         20 Feb 15         19 Marc 16         507 ICO-010           PRE-3020C         Stat Water Mars (S)         28         20 Feb 15         19 Marc 16         507 ICO-010           PRE-3020C         Stat Water Mars (S)         28         20 Feb 15         19 Marc 16         500 ICO-010           PRE-3020C         Stat Water Mars (S)         28         20 Feb 15         19 Marc 16         500 ICO-010           PRE-3020C         Stat Water Mars (S)         28         20 Feb 15         14 Marc 16         10 Feb 400           RE-4020         Cortractor Delated Delated         0         0 Autor 14         20 Feb 15         401 <td>BE3000         ELS or CWB Turneling Works Stage 18 (GEQ) (ml 28         20 - Apu-11A         20 - Feb-15         401         PRE-3000           Biblion Up         Blage 2 Turnel Structure Delay         00         20 - Feb-15         20 - Apu-11A         20 - Feb-15         20 - Apu-11A         20 - Feb-15         401         PRE-3000           RE-3030         Blage 2 Turnel Structure Delay         00         20 - Feb-15         20 - Apu-11A         402         SIG - Feb-15         401         SIG - Feb-15         10 - 4000</td> <td>Excession         ELS for CWB Tunneling Work Slage 18 (EEG) for<br/>Bittom Up         2         20-Apr-11A         20-Pre-15         40-Pre-15         40-Pre-15<td>Excool         ELS for CWD Tunnelng Work Slage 18 (EEQ) for<br/>Bottom Up         28         20-Apr-11A         20-Fab-15         40-Fib 10           EE-0000         Blage 2 Tunnel Blockure Design         60         20-Fab-15         20-Apr-12A         420-Fab-15         420-Fab-15           FE-0000         Stage 2 Tunnel Blockure Design         60         20-Fab-15         20-Apr-13         420-Fab-15         420-Fab-16           FE-0000         Staff Vater Mark (80)         28         20-Fab-15         20-Fab-15         20-Fab-16           FE-0000         Staff Vater Mark (80)         28         20-Fab-16         19-Mar-15         600         10-010           FFE-0000         Staff Vater Mark (80)         28         20-Fab-16         19-Mar-15         600         10-010           FFE-0000         Staff Vater Mark (80)         28         20-Fab-16         19-Mar-15         610         10-010           FFE-0000         Cooling Vatermark (80)         28         20-Fab-16         14-Mar-15         151 KD-0010           FFE-0000         Cooling Vatermark (80)         28         20-Fab-16         14-Mar-15         151 KD-0010           FFE-0000         AECOMa and GEOs approval on Detailed Design         0         0         0         0           FFE-1000<td>Excession         Els for CWB Turneling Works Stage 1B (EEC) for 63         20-April 1A         20-Feb 15         401         PRE-50000           BE-6000         BLS for CWB Turneling Works Stage 1B (EEC) for 63         20-April 1A         20-Feb 15         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-100           RE-3030         Stage 7 Turnel Structure Design         80         20-Feb 15         20-April 1A         20-Feb 15         20-Feb 15</td><td>Excession         ELS for CVUB Turnning Works Stage 18 (GEO) for 88         69 April 14         20 Feb 15         60 Pit-SoooB           RE-3020         Bege 7 Turnn Binucker Design         60         20 Feb 15         20 April 1         420 East 5300           RE-3020         Bege 7 Turnn Binucker Design         60         20 Feb 15         20 April 1         420 East 5300           RE-3020         Sale of Turnn Binucker Design         60         20 April 1         20 April 1         420 East 51           RE-3020         Sale Vare Maris (30)         20         20 April 1         20 April 1         20 April 1         420 East 51         40 April 1         40 East 52         40 April 1         40 A</td><td>Bits South         Eld for CVIB Turneling Works Stage 18 (GED) for<br/>Bolton Up         2 APA-r11         2 A</td><td>Excession         Els for CWB transling Works Steps 15 (ECD) for 28         20 Apr-11A         20 Feb-15         400 FeB-0000           Bidsmin Up         Bidsm</td><td>Exercise         Exercise         Pres-scool         Pres-scool           Bit Social Distribution         Base T terminal Distribution         BaseT terminal Distribution         Base T terminal Distribut</td><td>Exercise         Description         Description         Description           Bit Socie         B</td><td>Bit Socie         Description         Piel Socie         Piel Socie           Piel Socie         S</td><td>Exercise         Image: Source So</td><td>Bit Socie         Control Subscription         Defended         PEE-6000           Bit Socie         &lt;</td><td>Encode         Experience         Pressoon           Bission 1, Sin Cry ND management (Name)         0         0.494-11         0.29</td><td>BC-3000         BL3 Is Chrom Lunnstein (Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         400         PRE-3000           BL5 BLGC (W. 10, mick Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         BA-44-15         400         PRE-3000           BL5 BLGC (W. 10, mick Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         BA-44-15</td><td>BC-0000         LLS IS CONTINUES DATA         BC-0010         BC-0010<!--</td--></td></td></td> | BE3000         ELS or CWB Turneling Works Stage 18 (GEQ) (ml 28         20 - Apu-11A         20 - Feb-15         401         PRE-3000           Biblion Up         Blage 2 Turnel Structure Delay         00         20 - Feb-15         20 - Apu-11A         20 - Feb-15         20 - Apu-11A         20 - Feb-15         401         PRE-3000           RE-3030         Blage 2 Turnel Structure Delay         00         20 - Feb-15         20 - Apu-11A         402         SIG - Feb-15         401         SIG - Feb-15         10 - 4000 | Excession         ELS for CWB Tunneling Work Slage 18 (EEG) for<br>Bittom Up         2         20-Apr-11A         20-Pre-15         40-Pre-15         40-Pre-15 <td>Excool         ELS for CWD Tunnelng Work Slage 18 (EEQ) for<br/>Bottom Up         28         20-Apr-11A         20-Fab-15         40-Fib 10           EE-0000         Blage 2 Tunnel Blockure Design         60         20-Fab-15         20-Apr-12A         420-Fab-15         420-Fab-15           FE-0000         Stage 2 Tunnel Blockure Design         60         20-Fab-15         20-Apr-13         420-Fab-15         420-Fab-16           FE-0000         Staff Vater Mark (80)         28         20-Fab-15         20-Fab-15         20-Fab-16           FE-0000         Staff Vater Mark (80)         28         20-Fab-16         19-Mar-15         600         10-010           FFE-0000         Staff Vater Mark (80)         28         20-Fab-16         19-Mar-15         600         10-010           FFE-0000         Staff Vater Mark (80)         28         20-Fab-16         19-Mar-15         610         10-010           FFE-0000         Cooling Vatermark (80)         28         20-Fab-16         14-Mar-15         151 KD-0010           FFE-0000         Cooling Vatermark (80)         28         20-Fab-16         14-Mar-15         151 KD-0010           FFE-0000         AECOMa and GEOs approval on Detailed Design         0         0         0         0           FFE-1000<td>Excession         Els for CWB Turneling Works Stage 1B (EEC) for 63         20-April 1A         20-Feb 15         401         PRE-50000           BE-6000         BLS for CWB Turneling Works Stage 1B (EEC) for 63         20-April 1A         20-Feb 15         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-100           RE-3030         Stage 7 Turnel Structure Design         80         20-Feb 15         20-April 1A         20-Feb 15         20-Feb 15</td><td>Excession         ELS for CVUB Turnning Works Stage 18 (GEO) for 88         69 April 14         20 Feb 15         60 Pit-SoooB           RE-3020         Bege 7 Turnn Binucker Design         60         20 Feb 15         20 April 1         420 East 5300           RE-3020         Bege 7 Turnn Binucker Design         60         20 Feb 15         20 April 1         420 East 5300           RE-3020         Sale of Turnn Binucker Design         60         20 April 1         20 April 1         420 East 51           RE-3020         Sale Vare Maris (30)         20         20 April 1         20 April 1         20 April 1         420 East 51         40 April 1         40 East 52         40 April 1         40 A</td><td>Bits South         Eld for CVIB Turneling Works Stage 18 (GED) for<br/>Bolton Up         2 APA-r11         2 A</td><td>Excession         Els for CWB transling Works Steps 15 (ECD) for 28         20 Apr-11A         20 Feb-15         400 FeB-0000           Bidsmin Up         Bidsm</td><td>Exercise         Exercise         Pres-scool         Pres-scool           Bit Social Distribution         Base T terminal Distribution         BaseT terminal Distribution         Base T terminal Distribut</td><td>Exercise         Description         Description         Description           Bit Socie         B</td><td>Bit Socie         Description         Piel Socie         Piel Socie           Piel Socie         S</td><td>Exercise         Image: Source So</td><td>Bit Socie         Control Subscription         Defended         PEE-6000           Bit Socie         &lt;</td><td>Encode         Experience         Pressoon           Bission 1, Sin Cry ND management (Name)         0         0.494-11         0.29</td><td>BC-3000         BL3 Is Chrom Lunnstein (Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         400         PRE-3000           BL5 BLGC (W. 10, mick Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         BA-44-15         400         PRE-3000           BL5 BLGC (W. 10, mick Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         BA-44-15</td><td>BC-0000         LLS IS CONTINUES DATA         BC-0010         BC-0010<!--</td--></td></td> | Excool         ELS for CWD Tunnelng Work Slage 18 (EEQ) for<br>Bottom Up         28         20-Apr-11A         20-Fab-15         40-Fib 10           EE-0000         Blage 2 Tunnel Blockure Design         60         20-Fab-15         20-Apr-12A         420-Fab-15         420-Fab-15           FE-0000         Stage 2 Tunnel Blockure Design         60         20-Fab-15         20-Apr-13         420-Fab-15         420-Fab-16           FE-0000         Staff Vater Mark (80)         28         20-Fab-15         20-Fab-15         20-Fab-16           FE-0000         Staff Vater Mark (80)         28         20-Fab-16         19-Mar-15         600         10-010           FFE-0000         Staff Vater Mark (80)         28         20-Fab-16         19-Mar-15         600         10-010           FFE-0000         Staff Vater Mark (80)         28         20-Fab-16         19-Mar-15         610         10-010           FFE-0000         Cooling Vatermark (80)         28         20-Fab-16         14-Mar-15         151 KD-0010           FFE-0000         Cooling Vatermark (80)         28         20-Fab-16         14-Mar-15         151 KD-0010           FFE-0000         AECOMa and GEOs approval on Detailed Design         0         0         0         0           FFE-1000 <td>Excession         Els for CWB Turneling Works Stage 1B (EEC) for 63         20-April 1A         20-Feb 15         401         PRE-50000           BE-6000         BLS for CWB Turneling Works Stage 1B (EEC) for 63         20-April 1A         20-Feb 15         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-100           RE-3030         Stage 7 Turnel Structure Design         80         20-Feb 15         20-April 1A         20-Feb 15         20-Feb 15</td> <td>Excession         ELS for CVUB Turnning Works Stage 18 (GEO) for 88         69 April 14         20 Feb 15         60 Pit-SoooB           RE-3020         Bege 7 Turnn Binucker Design         60         20 Feb 15         20 April 1         420 East 5300           RE-3020         Bege 7 Turnn Binucker Design         60         20 Feb 15         20 April 1         420 East 5300           RE-3020         Sale of Turnn Binucker Design         60         20 April 1         20 April 1         420 East 51           RE-3020         Sale Vare Maris (30)         20         20 April 1         20 April 1         20 April 1         420 East 51         40 April 1         40 East 52         40 April 1         40 A</td> <td>Bits South         Eld for CVIB Turneling Works Stage 18 (GED) for<br/>Bolton Up         2 APA-r11         2 A</td> <td>Excession         Els for CWB transling Works Steps 15 (ECD) for 28         20 Apr-11A         20 Feb-15         400 FeB-0000           Bidsmin Up         Bidsm</td> <td>Exercise         Exercise         Pres-scool         Pres-scool           Bit Social Distribution         Base T terminal Distribution         BaseT terminal Distribution         Base T terminal Distribut</td> <td>Exercise         Description         Description         Description           Bit Socie         B</td> <td>Bit Socie         Description         Piel Socie         Piel Socie           Piel Socie         S</td> <td>Exercise         Image: Source So</td> <td>Bit Socie         Control Subscription         Defended         PEE-6000           Bit Socie         &lt;</td> <td>Encode         Experience         Pressoon           Bission 1, Sin Cry ND management (Name)         0         0.494-11         0.29</td> <td>BC-3000         BL3 Is Chrom Lunnstein (Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         400         PRE-3000           BL5 BLGC (W. 10, mick Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         BA-44-15         400         PRE-3000           BL5 BLGC (W. 10, mick Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         BA-44-15</td> <td>BC-0000         LLS IS CONTINUES DATA         BC-0010         BC-0010<!--</td--></td> | Excession         Els for CWB Turneling Works Stage 1B (EEC) for 63         20-April 1A         20-Feb 15         401         PRE-50000           BE-6000         BLS for CWB Turneling Works Stage 1B (EEC) for 63         20-April 1A         20-Feb 15         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-1000           RE-3030         Stage 7 Turnel Structure Design         00         20-Feb 15         20-April 1A         422 SBC 15-100           RE-3030         Stage 7 Turnel Structure Design         80         20-Feb 15         20-April 1A         20-Feb 15         20-Feb 15 | Excession         ELS for CVUB Turnning Works Stage 18 (GEO) for 88         69 April 14         20 Feb 15         60 Pit-SoooB           RE-3020         Bege 7 Turnn Binucker Design         60         20 Feb 15         20 April 1         420 East 5300           RE-3020         Bege 7 Turnn Binucker Design         60         20 Feb 15         20 April 1         420 East 5300           RE-3020         Sale of Turnn Binucker Design         60         20 April 1         20 April 1         420 East 51           RE-3020         Sale Vare Maris (30)         20         20 April 1         20 April 1         20 April 1         420 East 51         40 April 1         40 East 52         40 April 1         40 A | Bits South         Eld for CVIB Turneling Works Stage 18 (GED) for<br>Bolton Up         2 APA-r11         2 A | Excession         Els for CWB transling Works Steps 15 (ECD) for 28         20 Apr-11A         20 Feb-15         400 FeB-0000           Bidsmin Up         Bidsm | Exercise         Exercise         Pres-scool         Pres-scool           Bit Social Distribution         Base T terminal Distribution         BaseT terminal Distribution         Base T terminal Distribut | Exercise         Description         Description         Description           Bit Socie         B | Bit Socie         Description         Piel Socie         Piel Socie           Piel Socie         S | Exercise         Image: Source So | Bit Socie         Control Subscription         Defended         PEE-6000           Bit Socie         < | Encode         Experience         Pressoon           Bission 1, Sin Cry ND management (Name)         0         0.494-11         0.29 | BC-3000         BL3 Is Chrom Lunnstein (Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         400         PRE-3000           BL5 BLGC (W. 10, mick Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         BA-44-15         400         PRE-3000           BL5 BLGC (W. 10, mick Wein Slage 31 BLGC) (W. 20         BA         BA-44-15         BA-44-15 | BC-0000         LLS IS CONTINUES DATA         BC-0010         BC-0010 </td |

| Circle All All Function All Control Control Zoore All Control Zoore All Control Control Zoore All Control Contrel Contrel Control Control Control Control Control Control Contr | JASONDJEMA   | 4 Qtr 1 C                              | TOT   |
|---|--------------|--|-------|
| NA-80 (2006)         NA-80 (2006)         NA-80 (2007)         No.         19 March 10         10 March 10         10 March 10 <t< th=""><th>JASONDJEM</th><th></th><th>Ga</th></t<>  | JASONDJEM    |  | Ga    |
| TWA-K-5160         TAnglehmendader         Zone X-20 (Brwer)         0         124-Ad-3000           TWA-K-3100         TTA Compilian- Zone X-20 (Brwer)         0         28-Apr-15         -166         FT-Ad-3000           TWA-K-3100         TTA Compilian- Zone X-320 (Brwer)         0         28-Apr-15         -166         FT-Ad-3000           TWA-K-3100         TTA Compilian- Zone X-320 (Brwer)         0         28-Apr-15         -166         FT-Ad-3000           TWA-K-3100         TTA Compilian- Zone X-320 (Brwer)         0         84-Apr-15         507         4-52500, K-2120           TWA-K-3100         TTA Compilian- Zone X-320 (Brwer)         0         84-Apr-15         507         4-52500, K-2120           TWA-K-3100         TTA Compilian- Zone X-320 (Brwer)         0         66-Apr-15         500         4-1000           Zone UI (AHRCCC WE Compolian- Zone X-320 (Brwer)         0         66-Apr-15         500         4-1000         -1000           Zone UI (AHRCCC WE Compolian- Zone X-320         0         66-Apr-15         500         4-1000         -1000         -1000           Zone UI (AHRCCC WE Compolian- Zone X-340         0         66-Apr-15         500         4-1000         -1000         -1000           Zone UI (AHRCCC WE Compolian- Zone X-11         0  |              | DIJIFIMA                               | IAIM  |
| TTAKA-5-103         TTAK-5-103         TTAK-5-103           TTAK-5-103         TTAK-5-103         Starting tabular           TTAK-5-103         TTAK-5-103         Starting tabular           TTAK-5-103         TTAK-5-103         Starting tabular           TTAK-5-103         TTAK-5-103         Starting tabular           TTAK-5-103         Starting tabular         Starting tabular   |              |  | TA    |
| Trikk-54-109         Trik Actual         Trikk-54-109           Trikk-54-109         Trikk Actual         198         Trikk-54-109           Trikk-54-109         Trikk-54-109         128         198         Trikk-54-109           Trikk-54-109         Trikk-54-109         Trikk-54-109         128         198         Trikk-54-109           Trikk-54-109         Trikk-54-109         Trikk-54-109         128         198         Trikk-54-109           Trikk-54-109         Trikk-54-109         128         428         428         428         428           Trikk-54-109         Trikk-54-109         128         428         428         428         428           Trikk-54-109         Trikk-54-109         128         428         428         428         428           Trikk-54-109         Trikk-54-109         128         428   |              |  | TA    |
| TWA A-100         TTA Englementation - Zone AA-20 (Sever)         0         28-Apr.15         -186 (8-1104)           TWA A-2100         TTA Completion - Zone AA-20 (Sever)         0         28-Apr.15         407 (Several Completion - Zone AA-20 (Sever))         0         28-Apr.15         407 (Several Completion - Zone AA-20 (Sever))         0         28-Apr.15         407 (Several Completion - Zone AA-20 (Several Completin - Zone AA-20 (Several C   |              | T                                      | TTA   |
| TMAH-AB-1070         TMA-Completion - Zone AS-3D (Sewert)         0         TMAH-AB-1070         TTMA-AB-1080           TMAH-AB-1020         TTA-Completion - Zone AS-4D - Saw Watr         0         82-Man-16         507 54-550, 58-2120           TMAH-AB-1020         TTA-Completion - Zone AS-4D - Saw Watr         0         82-Man-16         507 54-550, 58-2120           TMAH-AB-1020         TTA-Completion - Zone AS-4D         0         82-Man-16         507 54-550, 58-2120           TMAH-AB-1020         TTA-Completion - Zone AS-4D         0         82-Man-16         507 54-550, 58-2120           TMAH-AB-1020         TTA-Completion - Zone AS-4D         0         82-Man-16         500 54-1100, 54-150, 78-720           TMAH AB-1020         TTA-Completion - Zone AS-4D         0         62-Apr-15         500 54-1100, 54-150, 78-720           Zone B1(A Hor CCC) VM Dorp-OTI Zone MA-B1         0         62-Apr-15         500 54-100, 54-150, 78-720         78-720           Zone B1(A Hor CCC) VM Dorp-OTI Zone MA-B1         0         0         94-992         78-720         78-720           Zone B1(A Hor CCC) VM Dorp-OTI Zone MA-B1         0         0         94-992         78-720         78-720           Zone B1(A Hor CCC) VM Dorp-OTI Zone MA-B1         0         0         94-992         78-720         78-720 <t< td=""><td></td><td></td><td></td></t<>   |              |  |       |
| 1         1484-82-00         TTA Completion - Zone AS-00 (Sewert)         0         194-May-16         497         98-900           1         1740-AS-1008         TTA Completion - Zone AS-00 (Sewert)         0         28-44-16         200           1         1740-AS-1020         TTA Completion - Zone AS-00         0         28-44-16         200           1         1740-AS-1020         TTA Completion - Zone AS-6         0         0         0.49-40-15         2001         54-100.0           1         1740-AS-10200         TTA Completion - Zone AS-6         0         0.49-40-15         2001         54-100.0         14-100.0   |              |  | B     |
| II. ModeA-1983B         TTA Compilion - Zone A-SC - Set Waler         0         28-MAIL / 10         907         94-5920, 84-2120           TARA-A-1128B         TTA Compilion - Zone A-SC - Set Waler         0         00-000-000         00-000-000         94-1920           TARA-A-1128B         TTA Compilion - Zone A-SC - Set Waler         0         00-000-000         94-1930         94-1930           Zenn & Lift A Mark-1128B         TTA Compilion - Zone A-SC - Set Waler         0         00-000-000         94-1930         94-1930           Zenn & Lift A Mark-128B         TTA Compilion - Zone A-SC - Set Waler         0         00-000-000-000-000-000-000-000-000-000   |              |  | -     |
| TrivAN-44-1928         TrA Completion - Zone A4-82         0         Concent for any concent                            |              | T I                                    | r*    |
| 22m 43 (At Nothing Read)         0         00×Apr-15         200         20×100, 54×100           TTAMA-1050B         TTA Completion - Zone A5-6         0         0×Apr-15         500         54×100, 54×100           Zone 81 (At NC2 CV Notice)         Take A01         0         0×Apr-15         500         54×100, 54×100           Zone 81 (At NC2 CV Notice)         Take A01         0         0×Apr-15         500         54×100           Zone 81 (At NC2 CV Notice)         Take A01         0         0         0×Apr-15         500           Zone 81 (At NC2 CV Notice)         Take A01         0         0         0         0           Zone 81 (At NC2 CV Notice)         Take A01         0         0         0         0           Zone 85 (At NC2 VN TOPHAN)         0         0         0         0         0           Zone 85 (At NC2 VN TOPHAN)         0         0         0         0         0           Zone 85 (At NC2 VN TOPHAN)         Construction At NC2 VN TOPHAN)         0         22 Naty-15         450         555005, 56A+1200           Trake 75 (1000         TTA Completion - Zone X1-2         0         0         0         0           Trake 75 (1000         TTA Completion - Zone C3-1         0         22 May-1  |              |  | TA    |
| TTAM-M-10508         TTA Completion - Zone AS-8         0         02-Apr-15         500         54-1100, 54-1510, 5  |              | H                                      | V Zor |
| Zone BI (A HICCC W Dog-Off Available and C Dog-Off Avai |              |  | Zon   |
| Conv B1 (A MNCCC VIP Dorp-Ciff Area and Passenger Bacyon         1           Conv B3 (A Vinue (C) and Area Area Sure Times Carolin)         1           Zenv B3 (A Vinue (C) and Dorperity         1           Zenv B3 (A Unity B) And Convertage (Section)         1           Zenv B3 (A Uppe Dive Cerring Harch)         1           Zenv B3 (A Uppe Dive Dive Dive Dive Dive Dive Dive Div  |              |  |       |
| Some 32 (A UNIC CC VINIC Clears)     3       Some 32 (A VINIC Clears)     3       Some 32 (A VINIC Clears)     4       Some 32 (A VINIC Clears)     5       Some 32 (A VINIC Clears)     5 </td <td></td> <td></td> <td>111</td>   |              |  | 111   |
| Cone 85 (4 Water (Delanda))         Col           Zone 80 (A Exp8 Colore Randa) for Color         0           Zone 80 (A Exp8 Colore Randa) for Color         0           Zone 80 (A Exp8 Colore Randa) for Color         0           Zone 80 (A Exp8 Colore Randa) for Color         0           Zone 80 (A Exp8 Colore Randa) for Color         0           And x21 Floadup Ecol Color (Zone X1-1)         0           OB-May-15         480 (S-5000) [SeA-120)           TTAA-X3-1008         TTA Completon - Zone X1-2           Amay 21 (Uniting Ecol color (Tool Color (Zone X1-3)         0           Zone 6 (Exp3 Drine Cone)         0           TTAA-X3-1008         TTA Completion - Zone X1-3         0           Zone 6 (Exp3 Drine Cone)         0         2 May-15         450 (SB-120)           TTAM-X3-1008         TTA Completion - Zone X1-3         0         2 May-15         450 (SB-120)           TTAM-Completion - Zone (Color (Zone Color (Zone  |              |  |       |
| Zone SD (AI Eppe fulle Control Nonch)         0           And CA (Hendro), 1 (Void (CB) - Sample Byttem)         0           And CA (Hendro), 1 (Void (CB) - Sample Byttem)         0           TRAM, X3-1008         TTA Completion - Zone X1-1         0           TRAM, X3-1008         TTA Completion - Zone X1-2         0           TRAM, X3-1008         TTA Completion - Zone X1-3         0           And CA (Hendro)         Trade State and Completion - Zone X1-3         0           And CA (Hendro)         Trade State and Completion - Zone X1-3         0           And CA (Hendro)         Trade Completion - Zone X1-3         0           And CA (Hendro)         2         2           Trade Construction Schedule         0         2           Social of the Works - Cross Marbour Watermains, Works in Area 1 & 2         0         0           Social of the Works - Cross Marbour Watermains, Works in Area 1 & 2         0         0           Social of the Works - Cross Marbour Watermains, Works in Area 1 & 2         0         0           Primitionic         0         0         0           ChiA C (His doci to 10)         0         0         0           Mark C (His doci to 10)         0         0         0           Marea C (His doci to 10)         0 <t< td=""><td></td><td></td><td></td></t<>   |              |  |       |
| Apr: Cli Mark 1/2         Cli Mark  |              |  |       |
| Market (Flowhund Stand zuber Hendour / Ruber & Zone X1-1         O         OP-Market //         Section 200           TTAX-X3-1008         TTA Completion - Zone X1-1         O         OP-Mary-15         450         Section 200           TTAX-X3-1028         TTA Completion - Zone X1-3         O         02-Mary-15         450         Section 200           TTAX-X3-1028         TTA Completion - Zone X1-3         O         02-Mary-15         450         Section 200           TTAX-X3-1028         TTA Completion - Zone X1-3         O         02-Mary-15         450         Section 200           TTAX-C3-10008         TTA Completion - Zone C3-1         O         02-Mary-15         450         Section 200           TTAX-C3-10008         TTA Completion - Zone C3-1         O         02-Mary-15         450         Section 200         0           Section 1 of the Works - Cross Harbour Watermains, Works in Area 1 & 2         O         O         0         0           Paintrying at Zone C3-11         O         20         O         0         0         0           Section 1 of the Works - Cross Harbour Watermains, Works in Area 1 & 2         O         0         0         0           Paintrying at Zone Scient (E100 Mignetion 1 (E00P) Regimer         0         0         0         0  |              |  |       |
| TTAM-K3-1008         TTACompletion - Zone X1-1         0         0P-May-15         -201         S6A-1200, S9-5500A, S6A-1210           TTAM-K3-10208         TTA Completion - Zone X1-2         0   |              |  |       |
| TTAM-X3-10108         TTACompletion - Zone X1-2         0         0-May -15         4201         S8A-1200         S9-5500A           TTAM-X3-10208         TTACompletion - Zone X1-3         0         22-May -15         463         S9-5500R, S6A-1220           TTAM-X3-10208         TTACompletion - Zone X1-3         0         22-May -15         450         S9-5500R, S6A-1220           TTAM-C3-10008         TTACompletion - Zone C3-1         0         22-May -15         450         S8-5200, S6A-1220           TTAM-C3-10008         TTACompletion - Zone C3-1         0         22-May -15         450         S8-1220, TTAM-C3-1000A, SSC-1600, S8A-1240           Trial Pt Construction Schedule         0         0         0         0         0           Section 1 of the Works - Cross Harbour Watermains, Works in Area 1 & 2         0         0         0         0           Publimmaries         0         0         0         0         0         0         0           CH4 & CH5 Stoto 11601 (Max Chail Stale)         0         0         0         0         0         0         0           Training & Convoltation(Intra Stale)         0         0         0         0         0         0         0         0           Priving A costo 100 (CH8 & ch0)   |              |  |       |
| Trick-WS-10/08         TTA Completion - Zone X1-3         0         0         0         22-May-15         463         S0-5500B, S6A-1210           Ama X2 (Juni (Lin both work)) Floring Rodul and Convention Aroun         0         22-May-15         450         S8-5500C, S8A-1220           Ama X2 (Juni (Lin both work)) Floring Rodul and Convention Aroun         0         22-May-15         450         S8-5500C, S8A-1220           TriAl-C3-1000B         TTA Completion - Zone C3-1         0         22-May-15         450         S86-1220, TTA+C3-1000A, S8A-1240           Trial-C3-1000B         TTA Completion - Zone C3-1         0         22-May-15         450         S86-1220, TTA+C3-1000A, S8A-1240           Trial-C3-1000B         TTA Completion - Zone C3-1         0         22-May-15         450         S86-1220, TTA+C3-1000A, S8A-1240           Section 1 of the Works - Cross Harbour Watermains, Works in Area 1 & 2         0         0         0         0           Prolominales         0         0         0         0         0         0         0           Prolominales         0         0         0         0         0         0         0           Prolominales         0         0         0         0         0         0         0         0   |              |  |       |
| Ame XI (duricition backmont/lemma freed and Convention Account)     0     22-May-15     450 (S8-5500C, S8A-1220)       Tom C (Expo Drive East)     0     0     0       TTAM-C32-1000B     TTA-Completion - Zone C3-1     0     22-May-15     450       Trial Pit Construction Schedule     0     0     0       Section 1 of the Works - Cross Harbour Watermains, Works in Area 1 & 2     0     0       Polymeniae     0     0       CH4 & CH5 SUIT 1150 Watermains, Works in Area 1 & 2     0     0       Polymeniae     0     0       CH4 & CH5 SUIT 1150 Watermains, Works in Area 1 & 2     0     0       Polymeniae     0     0       CH4 & CH5 SUIT 1150 Watermains, Works in Area 1 & 2     0     0       Polymeniae     0     0       CH4 & CH5 SUIT 1150 Watermain (ICCP) Bygamm.     0     0       Watermains Charled Conventional Teneton (ICCP) Bygamm.     0     0       Water Charles Survey (Conventional Teneton (ICCP) Bygamm.     0     0       Water Charles Survey (Conventional Teneton (ICCP) Bygamm.     0     0       Water Charles Survey (Conventional Teneton (ICCP) Bygamm.     0     0       Water Charles Survey (Conventional Teneton (ICCP) Bygamm.     0     0       Water Charles Survey (Conventional Teneton & Survey (Conventional Teneton)     0     0 </td <td></td> <td></td> <td></td>   |              |  |       |
| Conv Clepp Drive Built     II     Converter       TTAM-C3-1000B     TTA Completion - Zone C3-1     0     22-May-15     450       Trial Pit Construction Schedule     0     0     0       Section 1 of the Works - Cross Harbour Watermains, Works in Area 1 & 2     0     0       Dubmains Dechon (CHA 2 Criss)     0     0       Problemains Line (CHA 2 Criss)     0     0       Problemains Dechon (CHA 2 Criss)     0     0       Crist Sour to iso (Wan Chai Side)     0     0       Trial B A Criss Sour to iso (Wan Chai Side)     0     0       Trial B A Criss Sour to iso (Wan Chai Side)     0     0       Maintspring at Zone BU-N (Corbor Incual Trench Excaustant)     0     0       Tabu Built Sour Criss Criss Discharge System (Con     0     0       Section 2A of the Works - Cooling Water Intake & Discharge System (Con     0     0       Proston A Comminestanting     0     0 <td></td> <td>11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td></td>  |              | 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |       |
| Trial Pit Construction Schedule     0     0     0       Section 1 of the Works - Cross Harbour Watermains, Works in Area 1 & 2     0     0       Difference Section (CHL 2 CHS)     0     0       Primorinal Less Coll (CHL 2 CHS)     0     0   |              |  |       |
| Trial Pit Construction Schedule     0     0       Section 1 of the Works - Cross Harbour Watermains, Works in Area 1 & 2     0     0       Butimizer Scictor (GLA & Cris)     1     0       Public A Cris (Cris)     1     0       CHA & Cris (Cris)     0     0       Win Chail Sciol (Cris)     1     0       Maintyling at 20min Sci 5 (Conventional Trench Recevention)     1       Maintyling at 20min Sci 5 (Conventional Trench Recevention)     0       Testing & Convention (Cris) & Cris)     0       Section 2A of the Works - Cooling Water Intake & Discharge System (Con     0       Operation     0     0   |              |  | -     |
| Section 1 of the Works - Cross Harbour Watermains, Works in Area 1 & 2     0       Butaneous Exclusion (CHA & CHO)     0       Proliminates     0       CHA & CHO (CHA & CHO)     0       Proliminates     0       CHA & CHO (CHA & CHO)     0       CHA & CHO (CHA & CHO)     0       Imprassed Gurrent Catholic Processing (ICCP) System     0       Wan Choil Section (CHC & CHO)     0       Wan Choil Section (CHC & CHO)     0       Wan Choil Section (CHC & CHO)     0       Testing & Commissioning     0       Opprovide Chills CHE     0       Testing & Commissioning     0       Opprovide Chills CHE     0       Testing & Commissioning     0  |              |  |       |
| Bulanname Scatton (CHA + CHB)     II       Preliminaties     0       CHA + CHB 500 to 1160 (Wan Chul Side)     0       CHA + CHB 500 to 1160 (Wan Chul Side)     0       CHA + CHB 500 (TST Side)     0       Improssed Current Collocitie Protection (ICCP) System     0       Wan Char Scotton 100     0   |              |  |       |
| Preliminantes     2     4       CHA & CHE SOU To 1ED (Wan Chui Side)     0     0       CHA & CHE A3 (16 500 (TST Side)     0     0       Imprassed Gurrent Colling to Sourcestan (ICCP) System     0     0       Texting & Complexioning     0     0       Win Otes Subject (CAS 2 CHO)     0     0       Win Otes Subject (CAS 2 CHO)     0     0       Testing & Commissioning     0     0       Playsoptia     0     0       Playsoptia     0     0  |              | 4.1.1.1                                | 84    |
| CHA & SHE -8.1 to 500 (TST Bilde)     0     5       Improvement Catholic Protection (ICDP) System     0     0       Testing & Commissioning     0     0       Wan Che Schlop (ISC & CHO)     0     0       Maintarian at Convertional Trench Excavation)     0     0       Testing & Commissioning     0     0  |              |  |       |
| CHA & SHE -8.1 to 500 (TST Bilde)     0     5       Improvement Catholic Protection (ICDP) System     0     0       Testing & Commissioning     0     0       Wan Che Schlop (ISC & CHO)     0     0       Maintarian at Convertional Trench Excavation)     0     0       Testing & Commissioning     0     0  |              |  |       |
| Territing & Commissioning     B       Win Onel Section (CMC & CH4D)     B       Maintayling at Zone Sk-% (Conventional Trench Excaustion)     B       Testing & Commissioning     B       Section 2A of the Works - Cooling Water Intake & Discharge System (Con     B       Operand     B       Testing & Commissioning     B  |              |  |       |
| Territing & Commissioning     B       Win Onel Section (CMC & CH4D)     B       Maintayling at Zone Sk-% (Conventional Trench Excaustion)     B       Testing & Commissioning     B       Section 2A of the Works - Cooling Water Intake & Discharge System (Con     B       Operand     B       Testing & Commissioning     B  |              |  |       |
| Maintaining at Zone 83-5 (Congentional Trench Exception)     p       Testing & Commission     0       Tailor Dris Davi Section (CHC & CHF)     0       Testing & Commissioning     0       Section 2A of the Works - Cooling Water Intake & Discharge System (Con     0       Pipewonia     0       Tenting & Commissioning     0   |              |  |       |
| Testing & Commissionag     D       Testing & Commissionag     D       Testing & Commissionag     V       Section 2A of the Works - Cooling Water Intake & Discharge System (Con     0       Preving & Commissionag     V       Testing & Commissionag     V   |              |  |       |
| Disk bits Dur perion (Citil & Citil & C |              |  |       |
| Texting & Communicationing V P<br>Section 2A of the Works - Cooling Water Intake & Discharge System (Con 0 0<br>Plannones<br>Texting & Communicationing 7   |              |  |       |
| Province Committeeung   | haladadada a |  |       |
| Provide a committee and a committee   |              |  |       |
| Testing & Commissioning   |              |  |       |
|   |              |  |       |
| La SAMWORK  |              |  |       |
| Installation of Indefinitions   |              |  | 1     |
| Section 28 of the Works, Continue to the  |              |  |       |
| Recently of the Works - Cooling Water Intake & Discharge System (HK) 0 0  |              |  |       |
| Tending & Commercianing   |              |  |       |
|   |              |  |       |
| Remaining Work     V V Summary     CEDD CONTRACT NO. HK/2009/01     Page: 3 of 8  |              |  |       |
| Actual Work Summary Bar Van Chai Development Phase II - Central-Wan Chai Bypass at HKCEC (Contract 1)   |              |  |       |

#### CEDD CONTRACT HK/2009/01

## **CHUN WO - LEADER JOINT VENTURE**

|       |   | Activity Name  | OD   | Start   | Finish                 | Total<br>Float | Predecessors                    | MAIN   | MJ.   | AT3 C  | Atr 4                      | Otr 1   | AM.         | Qtr 3 | 3 Qtr<br>SON | 4 Qtr       | MAN            | 2 C      | AS   | OND  | JF     | MAIN  | 111   | ASO | ND J    | Ar 1 | AIM           | 15          |
|-------|---|--|------|---|------------------------|----------------|---------------------------------|--------|-------|--------|----------------------------|---------|-------------|-------|--------------|-------------|----------------|----------|------|------|--------|-------|-------|-----|---------|------|---------------|-------------|
|       | Works   |  | ΰ.   |   |                        | 0              |                                 |        |       |        |                            | 11      |             |       | 11           | 111         |                |          |      | 11   |        |       |       |     |         |      |               |             |
|       | linition of Injer Screan  |  | 1    | 1.00  |                        |                |                                 | 11     | 11    |        |                            | 313     | 111         | 111   | 11           |             |                | 111      |      | 11   |        | 11    |       | 11  |         |      |               |             |
|       |   | Cooling Water Intake & Discharge System (Shu   | 0    |   |                        | 0              |                                 |        | 11    | 111    |                            | 11      | 111         | 111   | 11           |             | 111            | 111      |      | 11   | 111    |       |       | 11  |         |      |               |             |
|       | works   |  |      |   |                        |                |                                 |        | 11    |        |                            | 11      |             | 111   | 11           |             |                | 111      | 11   | 11   | 111    |       | 111   | 11  |         |      |               |             |
|       | Sing & Commission<br>Worker   |  | 81   |   |                        | 0              |                                 | 11     | 17    |        | $\uparrow\uparrow\uparrow$ | 11      | ttt         | 111   | 11           | i i t       | $f^{\dagger}f$ | $^{++1}$ |      | 1    | 111    | TT    | 111   | 11  | TT T    |      |               | H           |
|       | itation of intel Second   |  | a    |   |                        | 1              |                                 |        | 11    |        | 111                        | 11      | 111         | 111   | 11           |             |                | 111      |      | 11   |        |       | 111   | 11  |         |      |               |             |
|       |   | Cooling Water Intake System (3 nos. Govt Towe  | 0    |   |                        | 0              | -                               |        | 11    |        |                            | 11      |             |       | 11           |             | 111            | 11       |      |      | 111    |       | 111   | 11  |         |      |               |             |
|       | works   |  | 0    |   |                        | 0              |                                 |        | 11    |        | 111                        | 11      | 111         | 111   |              | 111         | 111            | 11       |      | 11   | 111    |       | 111   | 11  |         |      |               |             |
| Te    | sting & Commissioni   | 118  |      |   |                        |                |                                 | 11     | 11    |        |                            |         | 111         |       |              | 111         | 1.1.1          | 11.      |      | 11.  | 1.1.1  |       | 11.   |     | 11.1.   |      |               |             |
| ELM   | Works   |  | 9.   | 60 S.S.M  |                        | (7             |                                 |        | 11    |        |                            | 11      | 111         | 111   |              | 111         | 111            | 11       |      | 11   | 111    |       | 111   | 11  |         |      |               |             |
| Insta | Inition of Inlet Screen   | and the second | Q.   |   | -                      |                | 1                               | 11     | 11    |        |                            | 11      | 111         | 111   |              |             |                | 11       |      | 11   | 111    |       | 111   | 11  |         |      |               |             |
| Comm  | on E&M Works for S  | ections 2A, 2B, 2C & 2D (LV Switch Board at H  | 0    |   |                        | 0              |                                 | 111    | 11    | 111    | 111                        |         | 111         | 111   |              | 111         | 111            | 11       |      | 11   | 111    |       | -     | 11  | 111     |      |               |             |
|       |   | VB Tunnel, Slip Roads 2 & 3, Works in Area 8   |      | 27-Jun-14 A   | 25-Jul-15              | 458            |                                 |        | 11    | 111    | 111                        | 11      | 111         | 111   |              | 111         | 111            | 11       |      | 11   | 11     |       | -     | 11  | 111     | Ш    | W B           | П           |
|       |   | lago 1 : CH2947 - CH3045)  | 32   | 19-100-12-A   | 10+R/ap-15             | 233            |                                 | 1.1.1  |       | 1.4.1. | 4.4.4                      | · · · · | · · · · · · |       |              |             |                | ÷        |      | 4.1- | +      |       | 1.4.4 |     | He-I-   | FIF  |               | 1           |
|       | po Prie Wall P1   |  |      |   |                        |                | -                               |        | 11    | 111    | 111                        | 11      | 111         | 11    |              |             | 111            | 11       | 111  | 11   | 11     | 111   | 111   | 11  |         |      |               |             |
|       |   | Vorks (Matine Chillinge - CH0 - CH120)   |      |   |                        |                |                                 | 11     | 11    | 111    |                            | 11      |             | 11    |              |             | 111            | 11       |      | 11   | 11     |       | 111   | 11  |         |      |               |             |
|       |   | arks (CH29)7 - CH3065 / CH0 - CH120)   | 0    | -   | -                      | 0              |                                 | - 13   | 11    | 111    | 111                        | 11      | 111         | 11    |              |             | 111            | 11       |      |      |        |       | 11    | 11  |         |      |               |             |
|       |   | t Stage 1A (Top Down Method : CH2947 - CH2988)<br>( Stage 1B (Bottom Up Method : CH2988 - CH3045)                | 0    |   |                        | 0              |                                 |        | 11    | 111    | 111                        | 11      | 111         | 11    |              | 111         | 111            | 11       |      | 11   | 11     |       | 111   |     |         |      |               |             |
|       |   | nks (Ch/947 - Ch/9045)   | 0    |   |                        | 0              |                                 |        |       |        | 111                        | · tri   | +++         |       | · · · ·      | <b>†</b> †† | 111            | ŤŤ       | 111  | 11   | TT     | ttt   | 111   |     | int     |      | 19            | 11          |
|       |   | Stage 1A (For Top Slab Construction - CH2947 - C   | 0    | -   | Contraction of the     | 1 0            |                                 |        | 11    | 111    | 111                        | 11      | 111         | 11    |              | 111         | 111            | 11       |      |      | 11     | 111   | 111   |     |         |      |               |             |
| 115   |   | Stage 1A & 1B (For Bottom Siab Construction - C)   | 0    |   |                        | 0              | 1                               |        | 11    | 111    | 111                        |         | 111         |       |              | 111         | 111            | 11       | 111  |      | 11     | 111   | 11    |     |         |      |               |             |
|       |   | ure Works ( Bay 1 to Bay 7 Ch2847 - Ch 3045)   |      | 16-June 15 A  | 10-0-0-06              | 216            |                                 |        | 11    | 111    | 111                        | 11      | 111         | 11    |              | 111         | 111            | 11       | 111  |      | 11     | 111   | 11    |     | 1       | 1    | tage          | e 1 -       |
| -     |   | Rege 1A (Top Slab Construction : CH2947 - CH2968)  | 0    | Contract of the local division of the local |                        | 0              |                                 |        | 11    | 111    | 111                        |         | 111         | 11    |              | 111         | 111            | 11       | 111  |      | 11     | 111   | 11    |     |         |      |               |             |
|       |   | Bloge 1A & 1B (CH2947 - CH3045)  | 30   | 19-Jan-15 A   | 10 Mar-15              | 183            |                                 | -      | 11    | 111    | 111                        |         | 111         | 11    | 111          | 111         | TTT            | 11       | 111  | T    | TT     | TTT   | TT    |     | 1       | HH   | ul n<br>ar ki | e S         |
|       | S3A-TS-2080   | Backfilling to formation level for Stage 1B (CH 80 to CH 120)  | 30   | 19-Jan-15 A   | 10-Mar-15              | 183            | S3A-TS-1060,<br>S3A-TS-2000     |        |       | 111    |                            |         |             | 11    |              |             |                |          |      |      | 11     |       | 11    |     |         | P    | 3acki         | illin       |
| CWS   | a Tunnelling Works (Si  | lage 2 - Ch3045 - Ch3126)  | 452  | A+Druc 75   |                        | -4.95          |                                 |        |       | 111    | 111                        |         | 111         |       |              |             | 111            |          |      |      | 11     | 111   | -     | 111 | +++++   | th   |               | T           |
|       |   | Volke (Marine Chalouge : CH120 - CH225)  | 11   | Contract of the   |                        |                |                                 |        |       | 111    | 111                        |         | 111         | 11    | 111          | 111         | 111            | 11       | 11   |      | 11     |       | 11    |     | 111.1   |      |               |             |
|       | Ingo 2 - Foundation W   | lotks (Ballom Up Mithial - CH2045 - CH3129   CH1   | 1470 | 221010104   | 1252101115             | 486            | and the second second           | .1.1   |       | 1.1.1  | 11.                        |         | 1.1.1       |       | 1.1.1.       | 1.1.1       | 14.            | 4.4.     | 1.1. |      |        | į.j.į |       |     | Alleri. | ПП   |               | ₩ 3<br>]- # |
|       | S3B-FW-1040C  | ELS for Exhaust Duct CH2988 to CH3045<br>(~5.0mPD)   | 170  | A DAY SHOT  | 10-Jun-15              | 386            | S3B-FW-1040B,<br>S3B-TS-2000A   |        |       |        |                            |         |             |       |              |             |                |          |      |      |        |       |       |     |         |      | II,           | 2           |
| BI    | the second se | onis (For Bottom Sibb Construction / CH3045 - CH   | 18   | 26-No=14-8  | STIMINY IE             |                | Loop FILL LOLOF                 |        |       | 111    | 111                        |         | 111         | 11    | 111          | 111         | 111            | 11       | 11   |      | 11     | 111   | 11    |     |         |      |               | -           |
|       | S3B-EW-1000E  | Stage 2 ELS - excavate to approx, -10.0mPD at Bay<br>10  |      | 19-Dec-14 A   | 27-May-15              | 1-1-           | S3C-EW-1010E                    |        |       |        |                            |         |             |       |              | 111         | 11             | 11       |      |      |        |       |       |     |         |      | Щ             | -           |
|       | S3B-EW-1030   | Stage 2 - Breaking of Bulk Head Wall at Bay 10<br>Ch3129   | 35   | 06-Nov-14A  | 27-May-15              | 339            | 538-EW-1000E                    |        |       | 111    |                            |         |             |       |              |             |                |          |      |      | 11     | 111   | 11    |     |         |      | Щ             | -           |
| 5     |   | une Works (Bey 716 Bey 10 - 046645 - 043128)   | -    | A discussion of the   | 2540410                | 201            | 000 70 4000                     |        |       | ++++   | ++                         |         |             | ++-   | ++           | +++         |                |          |      | +++  | +++    |       |       | 111 | the     |      |               | 918         |
|       | S3B-TS-1030   | Bay 9 Base Slab  | 14   | 27-Jan-15 A   | 05-Mar-15              | -14            | S3B-TS-1020                     | 11     |       | 111    | 11                         |         | 11          | 11    | 111          | 111         | 11             |          | 11   | 111  | 11     | 111   | 11    |     |         |      |               |             |
|       | S3B-TS-1040   | Bay 10 Base Slab   | 14   | 03-Jun-15   | 16-Jun-15              | 38             | S3B-EW-1000E                    | -      |       | 111    | 11                         | 111     | 11          |       | 111          | 11          | 11             | 11       | 11   | 111  | 11     | 111   | 11    | 111 | 111     |      |               |             |
| -     | S3B-TS-1040<br>S3B-TS-1050  | Removal of 2nd and 3rd layer of Strut/Waling at Bay  |      | 09-Feb-15A  | 15-Mar-15              |                | S3B-TS-1010,                    |        |       | 111    | 11                         |         | 11          |       | 111          | 111         | 11             |          | 11   | 111  | 11     | 111   | 11    | 111 | 111     |      | Ter           | no a        |
|       |   | 7,8&9  | 1.3  | and second  |                        | 1              | S3B-TS-1020,<br>S3B-TS-1030     |        |       |        | 11                         | 111     | 11          |       |              |             | 11             |          | 11   | 111  | 11     | 111   | 11    | 111 | 111     |      |               |             |
|       |   |  |      | 1010-107  | 00 11-1 12             |                |                                 | - 1    |       | 111    | 11                         | 111     | 11          | 111   | 111          | 111         |                |          | 11   | 111  | 11     | 111   | 11    | 111 |         | 14   | i B           | 8           |
| -     | S3B-TS-1060   | Bay 7 & 8 Wall   | 14   | 16-Mar-15<br>21-Mar-15  | 29-Mar-15<br>03-Apr-15 |                | 1 S3B-TS-1050<br>1 S3B-TS-1050, | -      |       | 111    | 11                         | 111     | 11          |       | 111          | 111         | 11             |          | 11   | 111  | 111    |       |       | 111 |         | 18   |               | iy I        |
|       | S3B-TS-1070   | Bay 9 Wall   |      |   |                        |                | S3B-TS-1060                     |        |       |        | 11.                        | 11.     |             |       | 11           |             | 1.1.           |          | 4.4. | 14   |        |       |       |     |         |      | 1111          |             |
|       | S3B-TS-1080   | Construction of Exhaust Duct (CH2988 - CH3045)   | 45   | 11-Jun-15   | 25-Jul-15              | 38             | 6 S3B-FW-1040C                  |        |       |        | 11                         |         |             |       | 111          | 11          |                |          | 11   |      |        |       |       |     |         |      |               | 1           |
|       |   |  |      |   |                        |                |                                 |        |       |        |                            |         | -           |       |              |             |                |          |      | _    |        |       | 1     |     |         |      |               | _           |
| Re    | amaining Work   | Summary  | -    |   | C                      | EDD C          | ONTRACT NO. HK                  | 2009/0 | 1     |        |                            |         |             |       |              |             |                |          |      | Pa   | ige: 4 | 8 10  |       |     |         |      |               |             |
|       | tual Work   | Summary Bar  |      | Wan Chain   | evelopment I           | Phace I        | - Central-Wan Cha               | Bypas  | is at | HKCE   | C(Cor                      | ntract  | 1)          |       |              |             |                |          |      |      |        |       |       |     |         |      |               |             |
|       | ummary Bar  | and the second   |      |   |                        |                |                                 |        |       |        |                            |         |             |       |              |             |                |          |      |      |        |       |       |     |         |      |               |             |
|       | ritical Remaining Work  |  |      | WORK PRO  | GRAMME R               | lev 6F         | 3mths Rolling Prog              | mme (  | Data  | Date   | on:20-                     | -Feb-   | 15)         |       |              |             |                |          |      |      |        |       |       |     |         |      |               |             |

# CEDD CONTRACT HK/2009/01

### **CHUN WO - LEADER JOINT VENTURE**

|                       | Activity Name  | OD     | Start          | Finish        | Floa   |   | OIC2        | 011<br>  Qtr 3 | Qtr 4 Q   | rt I Ote?    | 2012<br>2 Otr 3 | Qtr 4 | Str 1 L CH | 2013 | 310  | 1000     |       | 2014 |  | F  |
|-----------------------|--|--------|----------------|---------------|--|---|-------------|----------------|-----------|--------------|-----------------|-------|------------|------|------|----------|-------|------|--|----|
| S3B-TS-1090           | Backfilling at Northern Side from -10mPD to -2mPD<br>(Slip Road 2 - 4700cu.m)  | 70     | 04-Apr-15      | 12-Jun-15     | -141   | 1 S3B-TS-1060,  | MAMJ        | JAS            | амрл      | FIMAIM       | JJAS            | ONDJ  | FMAN       | JJJA | SON  | DJF      | MAM   | JJA  | SOND                                     | JF |
| S3B-TS-1100           | Backfilling at Southern Side from -10mPD to -2mPD<br>(Slip Road 3 - 4000cu.m)  | 21     | 22-May-15      | 11-Jun-15     | -140   | S3B-TS-1070<br>S3B-TS-1060,<br>S3B-TS-1070,                 |             |                |           |              |                 |       |            |      |      |          |       |      |  |    |
|                       |  | 1      | in a starter   |               | D  | S3B-TS-2000A  | 111         |                | 1111      | 1111         | 1111            | 111   |            |      |      | 111      | 111   | 111  | 1.111                                    |    |
| S3B-TS-1110           | Bay 7 & 8 Wall and OHVD Base Slab  | 10     | 30-Mar-15      | 08-Apr-15     | 459  | S3B-TS-1060   |             | 1111           | 1111      | 1111         | 1111            | 111   |            |      |      | 111      | 111   | 111  | 1111                                     |    |
| S3B-TS-1120           | Bay 9 Wall and OHVD Base Slab  | 10     | 04-Apr-15      | 13-Apr-15     |  | S3B-TS-1070,<br>S3B-TS-1110                                 |             |                |           |              |                 |       |            |      |      |          |       |      |  |    |
| S3B-TS-1130           | Bay 7 & 8 OHVD Wall Stern and Bay 7 & 8 Top Slab   | 10     | 09-Apr-15      | 18-Apr-15     | 484  | S3B-TS-1110   |             |                | $\dagger$ | $\mathbf{H}$ |                 | ++    |            |      |      | ++       |       | +++  | +  |    |
| S3B-TS-1140           | Bay 9 OHVD Wall Stem and Bay 9 Top Slab  | 10     | 14-Apr-15      | 23-Apr-15     | 459  | S3B-TS-1110,<br>S3B-TS-1120                                 |             |                |           |              |                 |       |            |      |      |          |       |      |  |    |
| S3B-TS-1160           | Construction of Slip Road 2 & 3 Base Slab  | 14     | 13-Jun-15      | 26-Jun-15     | -141   | S3B-TS-1090,  |             |                |           |              | 111             |       |            |      |      | III      |       |      |  |    |
| 53B-TS-2000A          | Construction of Exhaust Duct (CH3045 - CH3129)<br>Including waterproofing works  | 48     | 04-Apr-15      | 21-May-15     | -140   | S3B-TS-1100<br>S3B-TS-1070                                  |             |                |           |              |                 |       |            |      |      |          |       |      |  |    |
| Simnifiling Warks (Si | nge 5 - Gravan - Chable)   | - 68.  | A Magazine     | (Esable)      |  |   |             |                |           |              |                 |       |            |      |      | 111      |       | Ш    |  |    |
| S3C-MW-1400           | Removal of Remaining Type II & I Material during   | 1      | Set May 10     | 25-447-455    |  |   |             | 111            | TIT       | TIT          | TTTT            | 111   | 111        | 111  | 11   | 111      | 1.1.1 | +++  | t ili i                                  | -F |
|                       | Stage 3 Excavation   | 45     | 12-May-15      | 25-Jun-15     | -242   | \$3C-EW-1010E   |             |                |           |              |                 |       |            |      |      | 111      |       |      |  |    |
| Demolilian Works      | antim and seawnill construction  | Q      |                |               | U  | and the second second                                       |             | 111            | 1111      |              | 1111            |       | 1111       | 111  | 111  | 111      | 111   | 111  |  |    |
| Demolition Works      | Stan 9   | 0      |                | 1000 B        | 0  |   |             | 111            |           | 1111         | 1111            |       |            | 111  | 111  | 111      | 111   | 111  |  |    |
| Demolition Works      |  | 0      |                |               | 0  |   |             | 111            |           |              | 1111            |       | 1111       | 111  | 111  | 111      |       | 111  |  |    |
|                       | (sion and Reprovision)   | 0      |                |               | 0  |   |             | TTT            | TITT      | 1111         | TTT             | rtti  | 1111       | 111  | TTT  | TTT      | 111   | ttt  | 111-1                                    |    |
| de 3- Foundation W    |  | 0      |                |               | 0  | 1-  |             | 111            | 1111      |              | 1111            | 1111  | 1111       | 111  | 111  | 1H       | 111   | 111  |  | E  |
|                       | me.<br>0.54Civ3479 - K0(8245)  |        |                |               | n  |   |             | 111            | 1111      | 1111         | 1111            |       | 1111       | 111  | 111  | 111      |       | 111  |  |    |
| ecavation Works at 3  |  | - Link | Collection and | -de the       |  |   |             | 111            |           | 1111         | 1111            |       | 1111       | 111  | 111  | 111      |       | 111  | i i ingert                               | L  |
| S3C-EW-1010           |  | 96     | 12-Dec-14 A    | 25 .60 15     | -242   |   |             | 111            |           |              | 1111            |       | 1111       | 111  | 111  |          |       | 111  | 1. |    |
| 350-EW-1010           | Excavation to -4.0 mPD (approx 26,600m3)<br>including strut/waling installation  | 96     | 18-Dec-14 A    | 31-Mar-15     | -236   | S3C-FW-1040B,<br>PRE-2030C,<br>S3C-EW-1000                  |             |                |           |              |                 |       |            |      | TT   | ΤŤ       |       | ΤŤ   |  |    |
| S3C-EW-1010B          | Installation of Dewatering Well (45nos.) and<br>Pumping Test   | 45     | 12-Dec-14A     | 06-Apr-15     | -242   | PRE-2000H,<br>S3C-FW-1050C,<br>S3C-FW-1040B,<br>S3C-EW-1010 | -           |                |           |              |                 |       |            |      |      |          |       |      |  |    |
| S3C-EW-1010E          | Excavation to -16mPD ( approx 55,000m3)  | 80     | 07-Apr-15      | 25-Jun-15     | -242   | S3C-EW-1010,  |             |                |           |              |                 |       |            |      | 111  |          |       |      |  |    |
| koavalion Works at S  | tage 34 & 38 (For Bottom Slab Construction : Cl  | 0      | -              | -             | -  | S3C-EW-1010B  | _ 1111      | 111            |           |              | 1111            | 1111  | 1111       | 111  | 111  |          |       | 111  | 1111                                     |    |
|                       | Works (Bay 11 to Bay 28   Ch0129 - Cl(0245)  |        | (Balances)     |               |  | COLUMN TWO IS NOT   |             | 111            | 1111      | 1111         | 1111            |       | 1111       | 111  | 111  |          |       | 111  | 111                                      | 1  |
|                       | age 3A (Top Slab Construction - CH3185 - CH3246)   | 0      |                |               | 0  |   |             |                | 4.4.4.    |              |                 | 1.1.1 | 1.1.1.1    | 111  | 111  | 111      |       | LLL  |  | 1  |
| innel Structure at St | age 3A & 3B (CH3129 - CH3245)  | 56     | 08-May-15      | 02-514115     | 355  |   |             | 111            |           | 111          |                 |       | 111        | 111  | 111  |          | T     | 111  |  |    |
| S3C-TS-2000           | Bay 11 Slip Road 3 Sump Pit Base Slab  | 14     | 06-Jun-15      | 19-Jun-15     | and the second | S3C-MW-1400,  |             | 111            |           |              |                 |       | 1111       | 111  | 111  |          | 11    | 111  |  |    |
|                       | 1. Star - Corporation Contraction  |        | 50 001-10      | 19-001-19     | 329  | S3C-EW-1010E,<br>S3B-EW-1030                                |             |                |           |              |                 |       |            |      |      |          |       |      |  |    |
| S3C-TS-2000F          | Bay 11 CWB Base Slab   | 14     | 27-May-15      | 09-Jun-15     | 330  | S3C-EW-1010E  | -11111      | 111            |           |              |                 | 111   |            | 111  | 111  | 111      | 11    | 111  | 111                                      | 1  |
| S3C-TS-2090A          | Bay 20 CWB & Slip Road 2 Base Slab and Slip<br>Road 3 Wall   | 14     | 19-Jun-15      | 02-Jul-15     |  | S3C-EW-1010E  |             |                |           |              |                 |       |            |      |      |          |       |      |  |    |
| S3C-TS-2160           | Backfilling up to Formation Level of Cooling Mains &<br>Construction of Surface Drainage Incl. strut/waling<br>removal | 15     | 06-May-15      | 20-May-15     | -241   | S9-1050, S9-1040B,<br>S9-1040A                              |             |                |           |              |                 |       |            |      |      |          |       |      |  |    |
| of the Works - Sal    | Water Mains, Works in Area 3   | 8      | 20-Mar-15      | 26-Mar-15     | 598  |   |             |                |           |              |                 |       |            |      |      |          |       |      |  |    |
|                       |  | - U    | Lover 11-32    | 200           | -  |   |             |                |           |              |                 |       |            |      | 111  |          |       |      |  |    |
| ning Work             | Summary  |        |                | CE            | DD CO  | NTRACT NO. HK/  | 2009/01     |                |           |              |                 |       |            |      | Page | : 5 of 8 | 3     |      | _  | -  |
| Work E                | Summary Bar  |        | Wan Chai Da    |               | nan II   | Control Mine Ch.  |             |                |           |              |                 |       |            |      |      |          |       |      |  |    |
| ary Bar               |  |        | wan onai De    | velopment Ph  | ase II -   | Central-Wan Chai  | Bypass at H | KCEC           | Contract  | 1)           |                 |       |            |      |      |          |       |      |  |    |
| Remaining Work        |  |        | WORK PRO       | RAMME Rou     | 6E 2~  | ths Rolling Progra  | mmo /Data   | Data           |           | 1.51         |                 |       |            |      |      |          |       |      |  |    |
| ne                    |  |        |                | A STANING REV | 1 01: 011  | TOTS NUMPER PROGRA  | mme (Data   | Date on        | 20-reb-   | 15)          |                 |       |            |      |      |          |       |      |  |    |

|                                 | Activity Name  | OD   | Start                    | Finish                 | Total  | Predecessors   | 2011 2012 2013 2014 2015   |
|---------------------------------|--|------|--------------------------|------------------------|--|--|--|
|                                 |  |      |                          |                        | Float  |  | OLT2 CAT3 CAT4 CAT1 CAT2 CAT3 CAT4 CAT1 CAT2 CAT3 CAT4 CAT1 CAT2 CAT3 CAT4 CAT1 CAT2 CAT3 CAT4 CAT1 CAT2<br>MAIMJJJAISICINID JIFIMAMJJJAISICINID JIFIMAMJJAISICINID JIFIMAMJJAISICINID JIFIMAMJJAISICINID JIFIMAMJJAISICINID |
| Testing and En                  | amalienariona  | 1    | Stalidar 18              | C-Mar 1.               | 10   |  |  |
| S4-1520                         | Connection to Existing Mains (S8B)   | 7    | 20-Mar-15                | 26-Mar-15              | -207   | S4-1510, TP-1210,<br>TP-1200, PRE-3200D  | The day  |
| ED (AMAEN) ESH U                | Auntmains & Bower  | -    | Western St.              | - Anno A               | -3/19  | TF-1200, FRE-32000   |  |
| Testing and Co                  | ammusianing  | -    | 20-14-015                | 20 Mai 10              | -01  |  |  |
| \$4-2520                        | Connection to Existing Mains (S9)  | 7    | 20-Mar-15                | 26-Mar-15              | 507  | S4-2510, PRE-3200E,<br>TP-1110   | T Cone   |
| Stornwaler Drain                | 000  |      |                          |                        |  | Tranto   |  |
|                                 | or Re-Provisioned Costing Water Pumping Stations                             | t p  |                          |                        |  | 8  |  |
| ection 5 of the Wa              | orks - Works in Area 7 & Pipe Pile Wall P2                                   | 0    |                          |                        | C  | ):   |  |
|                                 | Vorks - Cooling Water Discharge System (3 nos. Govt T                        | 455  | 20-Jan-14 A              | 17-Jun-15              | -241   |  |  |
| S6A-1100                        | Over CWB - CHBF (92m)  | 7    | 21-May-15                | 27-May-15              |  | S3C-TS-2160, S9-1050   |  |
| S6A-1200                        | Zone X1-1 - CHBF (11m)   | 21   | 19-Apr-15                | 09-May-15*             | -223   | 3 TTAM-X3-1030A.<br>TTAM-X3-1000A,<br>S4-1000  |  |
| S6A-1210                        | Zone X1-2 - CHBF (5m)  | 21   | 19-Apr-15                | 09-May-15*             | -  | 3 TTAM-A4-1120B  |  |
| S6A-1220                        | Zone X1-3 - CHBF (7m)  | 21   | 02-May-15                | 22-May-15*             |  | 5 S6A-1230   |  |
| S6A-1230                        | Zone X1-4A - CHBF (21m) & S3 (21m) Connection<br>Point                       | 24   | 20-Jan-14 A              | 01-May-15              | -236   | 5 TTAM-X3-1030A  |  |
| S6A-1240                        | Zone C3-1 - CHBF (16m) Test and Connection<br>Point                          | 60   | 22-Jun-14 A              | 22-May-15              | -236   | 5 TTAM-C3-1000A  |  |
| Testing = Comm                  |  | 21   | 2+by-15                  | 15-agreete             | 1 244  |  |  |
| S6A-2010                        | CCTV & Pressure Test of CHBF   | 7    | 28-May-15                | 03-Jun-15              | -241   | 1 S6A-1100, S6A-1050,<br>S6A-1040, S6A-1200,   |  |
|                                 |  |      |                          |                        | -  | S6A-1020, S6A-1030,<br>S6A-1240, S6A-1210,   |  |
| S6A-2020                        | Cleaning & Sterilization of CHBF   | 7    | 04-Jun-15                | 10-Jun-15              | -241   | S6A-1010, S6A-1230.<br>1 S6A-2010  |  |
| S6A-2030A                       | Future Connection to Existing Mains (CHBF) at<br>temporary water channel     | 7    | 11-Jun-15                | 17-Jun-15              | -241   | 1 S6A-2020   |  |
| S6A-2030B                       | Permanent Diversion of Discharge Water to<br>Proposed Discharge Main         | 0    |                          | 17-Jun-15              | -241   | 1 S6A-2020, S6A-2010,<br>TP-1310, TP-1350,<br>S6A-2030A,<br>PRE-32000  |  |
|                                 |  |      |                          |                        |  |  |  |
| Section 6B of the V<br>S6B-1100 | Works - Cooling Water Intake & Discharge System (Gre                         | 344  | 22-Jun-14 A              | 17-Jun-15<br>27-May-15 | -24  | 1 S3C-TS-2160, S9-1050   |  |
| S6B-1220                        | Over CWB - CHBG (92m)<br>Zone C3-1 - CHBG (16m) Test and Connection<br>Point | 60   | 21-May-15<br>22-Jun-14 A | 22-May-15              |  | 6 TTAM-C3-1000A  |  |
| Testing & Count                 |  | 21   | 20-001-10                | - Down-Am              | 1.00   |  |  |
| S6B-2000                        | CCTV & Pressure Test of CHBG   | 7    | 28-May-15                | 03-Jun-15              | -24  | 1 S6B-1020, S6B-1220,<br>S6B-1200A, S6B-1210,  |  |
|                                 |  | 1    |                          |                        |  | S6B-1200, S6B-1020A, S6B-1000, S6B-1000, S6B-1010,   |  |
|                                 |  |      |                          |                        | -  | S6B-1030, S6B-1050.  |  |
| S6B-2010                        | Cleaning & Sterilization of CHBG   | 7    | 04-Jun-15                | 10-Jun-15              |  | 1 S6B-2000   |  |
| S6B-2020A                       | Future Connection to Existing Mains (CHBG) at<br>temporary water channel     | 7    | 11-Jun-15                | 17-Jun-15              | -24  | 1 S6B-2010   |  |
| S6B-2020B                       | Permanent Diversion of Discharge Water to<br>Proposed Discharge Main         | 0    |                          | 17-Jun-15              | -24  | 1 S6B-2020A, PRE-3200  | ₽P   |
| Section 6C of the               | Works - Cooling Water Discharge System (China Resou                          | 344  | 22-Jun-14 A              | 17-Jun-15              | -24  | and the second sec |  |
| S6C-1100                        | Over CWB - CHBI (100m)   | 7    | 21-May-15                | 27-May-15              | and designed to the local division of the lo | 1 S3C-TS-2160, S9-1050   | 50   |
| S6C-1600                        | Zone C3-1 - CHBI (16m) Test and Connection Point                             | 60   | 22-Jun-14 A              | 22-May-15              | -23  | 6 TTAM-C3-1000A  |  |
| Testing & Comm                  | itestopling  | 1.21 | Shekar15                 | (industry)             |  | 1  |  |
| 27 Post / 10 10 10 10           |  |      |                          |                        | EDD  | ONTRACT NO. HK/2   | 2009/01 Page: 6 of 8   |
| Remaining Work                  |  |      |                          |                        |  |  |  |
| Actual Work                     | Summary Bar  |      | Wan Chai D               | Development F          | Phase I  | I - Central-Wan Chai I   | Bypass at HKCEC (Contract 1)   |
| Summary Bar                     |  |      | WORK PRO                 |                        |  |  |  |

| D  |   | 1.1.  |  |                   |          |   | CHUN WO - LEADER JOINT VE   |
|--|---|-------|--|-------------------|----------|---|---|
| U  | Activity Name   | OD    | Start  | Finish            | Tota     | Predecessors  | 2011 2012 2013 / 2014   |
| 000 0000   |   |       |  |                   | Floa     | d   | 012 013 014 011 012 012 012 013 2013 2014   |
| S6C-2000   | Pressure Test of CHBI   | 7     | 28-May-15  | 03-Jun-15         | -24      | 1 S6C-1030, S6C-1600,<br>S6C-1040, S6C-1100,<br>S6C-1020A,  | MAMUJAISONO JEMAMJJASOND JEMAMJJASOND JEMAMJJASONO JEMAMJJASOND JEMAMJY |
| S6C-2010   | Observe a province of the second  | _     |  | L                 |          | S6C-1020A, S6C-1020,<br>S6C-1050, S6C-1300,   |   |
| S6C-2020A  | Cleaning & Sterilization of CHBI  | 7     | 04-Jun-15  | 10-Jun-15         | -241     | S6C-2000  |   |
| 0.000  | Future Connection to Existing Mains (CHBI) at<br>temporary water channel                            | 7     | 11-Jun-15  | 17-Jun-15         | -241     | S6C-2010  |   |
| S6C-2020B  | Permanent Diversion of Discharge Water to<br>Proposed Discharge Main                                | 0     |  | 17-Jun-15         | -241     | PRE-32000, S6C-2010, S6C-2020A, S6C-2020A, S6C-2020A, S6C-2020A, S6C-2020A, S6C-2000, |   |
| Common Works for Section   | DOD 54 59 8 50  |       | and some for   |                   | -        | TP-1330   |   |
| Districtions On fall Common  | unio ca, ob a oc  | 30    | 22-May-15  | 21-Jun-15         | 420      |   |   |
| S6-1030  | Connection of the Completed Cooling Mains to  | 0     | and the second s | an aller and      | 141      |   |   |
|  | Precast Outfall Unit  | v     |  | 22-May-15         | -250     | S6C-1600, S6A-1240,<br>S6B-1220, S6-1010  |   |
| S6-1040  | Reinstatement of Existing Seawall after Connection  | 30    | 23-May-15  | 21-Jun-15         | 420      | S6-1030   |   |
| Section 7 of the Works   | In David Director and   | 1     |  |                   | 1.005    |   |   |
| Section 7 of the Works - Tr<br>ADMS Installation   | Tai Dured Piles in Area 5   | 0     |  |                   | D        |   |   |
| That Bored Minh  |   | 9     |  |                   |          |   |   |
| Tenting & Commissioning  | District of the second second   |       |  |                   |          |   |   |
| Section 8 of the Works - W   | orks in Area 6 (Utilities other than Watermains   | 500   | 10 10 10 10  |                   | 0        |   |   |
| Slovtrage Works  | to the man watermains   | 583   | 10-Jan-14 A  | 22-May-15         | -228     |   | · · · · · · · · · · · · · · · · · · ·   |
| S8-1030  | Zone A3-5D & A3-4D  | 23    | 10-Jan-14 A  | 10 May 45         |          |   |   |
|  |   | 40    | 10-Jan-14 A  | 19-Mar-15         | -228     | TTAM-A3-1020  |   |
| S8-1040  | Zone A3-2C  | 23    | 19-Mar-15  | 26-Apr-15         | -228     | TTAM-A3-1040  |   |
| S8-1050  | Zone A3-2D  | 23    | 26-Apr-15  | 15-May-15         |          | TTAM-A3-1060  |   |
| S8-2500  | CCTV Survey   | 1     | 15-May-15  | 16-May-15         |          | S8-1000, S8-1050  |   |
| S8-3000  | Connection with Upstream Existing Manhole &<br>Abandon Used Pipe                                    | 7     | 16-May-15  | 22-May-15         |          | S8-2500   |   |
| Section 9 of the Works - Re  |   | 1     |  |                   |          |   |   |
| Box Dubert Construction  | emandar of the works  | 214   | 07-Sep-14A   | 21-Jul-15         | 390      |   |   |
| S9-1030  | Construction of Precast Bay 1   | 76    | OF Ore dia   | EV-May-US         | -008     |   |   |
|  |   | 10    | 25-Sep-14 A  | 03-Mar-15         | -208     | DW3-1020AA,<br>EDE-1010A  |   |
| S9-1040A   | Installation of Sheet Pile / ELS and Construction for<br>Bay 7                                      | 180   | 07-Sep-14 A  | 20-Apr-15         | -226     | S3C-FW-1040B  |   |
| S9-1040B   | Installation of Sheet Pile / ELS and Construction for<br>Bay 2                                      | 180   | 11-Oct-14A   | 20-Apr-15         | -226     | S9-1040A,<br>S3C-FW-1050E,<br>S9-1030   |   |
| S9-1050  | Construction of Bay 3 to Bay 6 incl. top slab   | 75    | 20-Jan-15 A  | 05-May-15         | -241     | \$9-1020, \$3C-TS-1100.   |   |
| 50 1020  | waterprooling works   | 1.00  |  |                   |          | S9-1010   |   |
| S9-1060  | Permanent Diversion of Storm Water to New<br>Provided Box Culvert                                   | 5     | 06-May-15  | 10-May-15         | 107      | S9-1050   |   |
| S9-1070  | Backfill the Temporary Water Channel from East to<br>West (BG/BI Connection Point at Water Channel) | 15    | 13-May-15  | 27-May-15         |          | S9-1050, S6C-1100,<br>S6B-1100, S6A-1100,<br>S9-1060  |   |
| S9-2000  |   | 0.2   | 100m-16  | Double.           | 20       |   |   |
|  | Backfill up to Formation Level for Reprovision of<br>Expo Drive East                                | 10    | 28-May-15  | 06-Jun-15         | -35      | S6C-1100, S6B-1100,<br>S6A-1100   |   |
| S9-2000A   | Permanent UU Connection/Change Over   | 60    | 21-May-15  | 20-Jul-15         |          | S3C-TS-2160   |   |
| S9-2010  | Construction of New Road and Surface Drainage   | 45    | 07-Jun-15  | 21-Jul-15         |          | S9-2000   |   |
| Waterworks in Arte F<br>Sett Water Mains (11 55  | 44 368  | 41-11 | 25-44  | The second second | -162     |   |   |
| S9-5500A   | Zone X1-1 - S3 (5m)   | 0     | and the second s | 09-May-15         | -201     | S6A-1200  |   |
| Remaining Work   | Summaria  | T     |  |                   | 10.0     |   | ······································  |
| Actual Work  | Summary   |       |  | CE                | UD CO    | NTRACT NO. HK/2009  | 9/01 Page: 7 of 8   |
| and the strength of the streng | Summary Bar   |       | Wan Chai De  | velooment Ph      | II ose   | Control-Man Ohai D  |   |
| Summary Bar  |   |       | onal De  | elopment Ph       | ase 11 - | Central-Wan Chai Byp  | bass at HKCEC (Contract 1)  |
| Critical Remaining Work  |   |       | WORK PROC  | BAMME Paul        | 6E 2-    | the Polling Program   | e (Data Date on:20-Feb-15)  |
| Milestone  |   | 1     |  | A PRIMITE DEV     | . UE 31  | mis nothing Programm  | e (Data Date on:20-F6D-15)  |

#### CEDD CONTRACT HK/2009/01

## **CHUN WO - LEADER JOINT VENTURE**

| -  | Activity Name   | OD  | Start                                    | Finish        | Float   | I Predecessors  | Qtr :  | 2011<br>2 Ot | 3 Qtr     | 4 0  |        | 2012<br>2 Q | 13 0   | r4 Q |        | 20<br>2tr 2 | Qtr 3 | Qtr  | 4 0   | tr 1 | Otr 2 | 014<br>Qtr 3 | 3 Qu   | 4 0  | 110    | 2015<br>21r 2 |
|--|---|-----|--|---------------|---------|---|--------|--------------|-----------|------|--------|-------------|--------|------|--------|-------------|-------|------|-------|------|-------|--------------|--------|------|--------|---------------|
| S9-5500B   | Zone X1-2 - S3 (5m)   | 0   |  | 09-May-15     | 442     | S6A-1210  | MAIN   | 101          | NPION     | 43   | IMAN   | 1919        | 100    | 1013 | 1 I    | INCO        | 110   | 1914 |       | - Im | 110   |              | 30     |      |        |               |
| S9-5500C   | Zone X1-3 - S3 (5m)   | D   |  | 22-May-15     |         | S6A-1220  | 111    | 11           | 1111      |      | 111    | 111         | 111    | 111  | 11     | 111         | 11    | 11   | 111   | 11   | 11    | 111          |        |      |        |               |
| S9-5510  | Over CWB - S3 (92m)   | 0   | -  | 27-May-15     |         | S6A-1100  | 111    | 11           | 1111      |      | 111    | 111         | 111    | 111  | 11     | 111         | 11    | 14   | 113   | 11   | 11    | 111          |        |      |        | -             |
| S9-5530  | Pressure Test of S3   | 7   | 28-May-15                                | 03-Jun-15     |         | S9-5500A, S9-5500D,<br>S9-5500C, S9-5500B,<br>S9-5510, S9-5520  |        |              |           |      |        |             |        |      |        |             |       |      |       |      |       |              |        |      |        | T             |
| S9-5540  | Cleaning & Sterilization of S3  | 7   | 04-Jun-15                                | 10-Jun-15     | 424     | \$9-5530  |        | 11           |           |      | 111    |             | 111    |      |        |             |       | 11   |       |      | 11    |              |        |      |        | 76 - 17       |
| S9-5550  | Connection to Existing Mains (S3)   | 7   | 11-Jun-15                                | 17-Jun-15     | 424     | PRE-3200C, S9-5540  |        | 177          | 21:11     | 1.4. | 1.4.4. | 111         | 1.4.1  | 44.4 |        | 111         |       | 17   | 111   | 111  | 11    |              |        |      | T      | F             |
| \$9-5600   | Over CWB - S5A (30m)  | 20  | 27-May-15                                | 12-Jun-15     |         | S9-5510   | 111    | 11           | 1111      |      | 111    | 111         | 111    | 111  |        | 111         |       | 11   |       |      | 11    | 111          |        |      | 11     | ÷0            |
| 59-5610  | Pressure Test of S5A  | 7   | 13-Jun-15                                | 19-Jun-15     |         | 5 \$9-5600  | 111    |              | 3343      |      | 191    | 111         | 111    | 11   |        | 111         | 11    | 11   | 111   |      | 11    | 111          |        | 111  |        | 4             |
| S9-5700  | Over CW8 - S5B (30m)  | 20  | 27-May-15                                | 12-Jun-15     |         | 3 \$3-5600  | 111    |              | 1111      |      | 111    | 111         | 111    | 111  |        | 111         | 11    | 11   | 111   | 11   | 11    | 111          | 111    | 111  | 11     | THE P         |
| S9-5710  | Pressure Test of S5B  | 7   | 13-Jun-15                                | 19-Jun-15     |         | 5 \$9-5700  | 111    |              | 111       |      |        | 111         | 111    | 11   |        | 111         |       | 11   | 111   | 11   | 11    | 111          | 114    | 111  |        | 1             |
|  |   | 1   | 10-001-10                                | 19-001-10     | 00      | 5 53-5700   |        |              | +++++     | 1-4- |        |             | -1-7-1 | 111  | 1.2.2. | 1-1-1       | ****  | 1.4. | 1-2-1 | 1.1  |       | 1-1-1        | l-t-t- | 十十十  | 1-1-1  | 1             |
| Four Water Motor I   |   |     | An Internetion                           | 07.14         |         | 0.000 4400  | 111    |              | 111       | 11   | 111    | 111         | 111    | 11   | 11     | 111         | 11    | 11   | 111   | 11   | 11    | 111          | 111    |      |        | -             |
| S9-7000  | Over CWB - F3 (100m)  | 0   |  | 27-May-15     |         | 3 S6A-1100  |        | 111          | 111       | 11   | 111    | 111         | 111    | 11   | 11     | 111         | 11    | 11   | 13    | 11   | 11    | 111          |        | 111  |        | H             |
| S9-7010  | Pressure Test of F3   | 7   | 28-May-15                                | 03-Jun-15     | 424     | 4 S9-7000, S9-7040,<br>S9-7050, S9-7070,<br>S9-7060   |        |              |           |      |        |             |        |      |        |             |       |      |       |      |       |              |        |      |        |               |
| S9-7020  | Cleaning & Sterilization of F3  | 7   | 04-Jun-15                                | 10-Jun-15     | 424     | 4 \$9-7010  |        |              | 111       |      | 111    | 111         | 111    | 11   | 111    | 111         | 11    | 11   | 11    |      | 11    | 111          | 111    | I II |        | -             |
| \$9-7030   | Connection to Existing Mains (F3) at Zone C1-3  | 7   | 11-Jun-15                                | 17-Jun-15     |         | 4 S9-7020, PRE-3200C  |        |              |           |      |        |             |        |      |        |             |       |      |       |      |       |              |        |      |        |               |
| S9-7040  | Zone X1-1 - F3 (5m)   | 0   |  | 09-May-15     | 443     | 2 S6A-1200  | 11     |              | 111       | 11   | 111    | 111         | 111    | 11   | 111    | 111         |       | 11   | 11    |      | 11    | 111          | 111    | 11   |        | 1.1           |
| S9-7050  | Zone X1-2 - F3 (5m)   | 0   | -  | 09-May-15     | 44      | 2 S6A-1210  |        |              | 111       |      | 111    | 111         | 111    | 11   | 111    | 111         |       | 11   | 11    | 111  | 11    | 111          | 111    | 111  |        | -             |
| \$9-7060   | Zone X1-3 - F3 (5m)   | 0   |  | 22-May-15     |         | 9 S6A-1220  |        |              | 111       | 11   |        | 111         | 111    | 11   |        | 11          |       | 11   | 11    | 111  | 11    | 11           | 111    | 111  |        | 1.0           |
| S9-7070  | Zone C1-5, C1-7 & C1-9 - Expo Drive East - S3<br>(20m)  | 0   |  | 27-May-15     |         | 3 S6A-1100  |        |              |           |      |        |             |        |      |        |             |       |      |       |      |       |              |        |      |        | -             |
| ection 11 of the Works   | s - SCL Protection Works  | 0   |  |               | -       | 0   | 11     | 1.1.1        | 111       | 11   |        | 111         | 111    | 11   | 13 F   | 111         |       | 11   | 11.   |      | 11    | 11           |        | 11   |        | 11            |
| Foundation Works   |   | 1.0 | -  | 1             | 1       | A   | 1.4.4. | 1.44         | 4.1.4.    | 1.1. |        | 111         |        |      | 1-1-1- | 7.17        |       | 11   | 17    | 111  | 77    | 11           | 111    | TT   | TT     | 11            |
| Encontion Works<br>Structural Works                                      |   | 0   |  |               |         |   |        |              |           |      |        |             |        |      |        |             |       |      |       |      |       |              |        |      |        |               |
| Section 12 of the Work:  | s - Works in Area 10 (other than Section 4)   | 40  | 24-Nov-14A                               | 31-Mar-15     | -3      | 2   | 11     | 111          | 111       | 11   |        | 111         | 111    | 11   | 111    | 11          |       |      | 11    |      | 11    | 11           | 111    | A    |        | Sect          |
| VO106-1000A  | Backfilling for Kiu Lok Pump House  | 40  | 24-Nov-14 A                              | 31-Mar-15     | -3      | 2 VO106-1000  |        |              | 111       | 11   |        | 11          |        |      |        | 11          |       | Ш    | 11    |      | 11    |              |        |      |        | Bac           |
| Section 13 of the Works  | s - Works in Area 11 (other than Section 11)  | 40  | 24-Nov-14A                               | 31-Mar-15     | -3      | the second se | 11     | 111          | 111       | tt   |        | 11          |        | 11   | 111    | 11          |       | 11   | 11    |      | T     | T            |        | -    | - Co   | Sec           |
| S13-3000   | Completion of Backfilling to +5.0mPD  | 0   |  | 20-Feb-15     |         | 8 VO106-2000  | 11     | 111          | 111       | 11   | 111    | 11          |        |      | 111    | 11          |       | 11   | 11    |      | 11    | 11           | 111    | 1.11 | \$ C0  | mpie          |
| VO106-2000A  | Backilling for Klu Lok Pump House   | 40  | 24-Nov-14 A                              | 31-Mar-15     | -3      | 2 VO106-2000  |        |              |           |      |        | 11          |        |      |        | 11          |       |      | 11    |      | 11    |              | HI     | 11   |        | Bac           |
| Section 1 A of the Work  | s - Landscape Softworks in Areas 2 & 4  | D   |  |               |         | D   | 111    | 111          | 111       | 11   | 1111   | 11          | 111    | 111  | 111    | 11          | 111   | 11   | 11    | 111  |       | 11           | 1 1 3  | 11   |        | 11            |
|  | s - Establishment Works in Areas 2 & 4  | 0   |  |               |         | 0   | 111    | 111          | 111       | 11   | 1111   | 11          |        |      | 111    | 11          | 111   | 11   | 11    | 111  |       | 11           | 111    | EL   | 11     | 11            |
|  |   | 180 | 20-Feb-15                                | 18-Aug-15     |         | 3   |        |              | · · · · · | T.T. |        |             |        |      | ttt    | TT          | 111   | 17   | 117   | 111  | 11    | TT           | TTT    | 11   | Vinnin |               |
| Section 9A of the Work<br>S9A-1000                                       | s - Landscape Softworks in Area 9<br>Transplanting at Expo Drive East and Convention<br>Avenue Junction | 180 | 20-Feb-15                                | 18-Aug-15     |         | 3 PRE-2130, PS-P4,<br>EDE-1050  |        |              |           |      |        | 11          |        |      |        |             |       |      |       |      |       |              |        |      |        | Ħ             |
| Casties DR of the Work   | s - Establishment Works in Area 9   | 0   |  | 1             | -       | 0   |        | 111          | 111       | 11   | 1111   | 11          |        |      | 111    | 11          | 111   | 11   | 11    | 111  |       | 11           | 111    | 11   |        | 11            |
|  | s - Protection and Preservation of Existing Trees   | 0   |  |               |         | 0   | 1.1.1  | 111          | 111       | 11   | 1111   | 11          |        | 11   | 111    | 11          | 111   | 11   | 11    |      |       |              | 111    | 11   | 11     | 11            |
|  |   |     |  |               |         |   |        |              |           |      |        |             |        |      |        |             |       |      |       |      |       |              |        |      |        |               |
| Remaining Work     Actual Work     Summary Bar     Critical Remaining Wo | Summary<br>Summary Bar  |     | 1. | Development I | Phase I | CONTRACT NO. HK/2<br>II - Central-Wan Chai<br>3mths Rolling Progra  | Bypass |              |           |      |        |             |        |      |        |             |       | P    | Page: | 8 of | 8     |              |        |      |        |               |

| rity ID          | Activity Name  | lemainin | 11 · · · · · · · · · · · · · · · · · · | Finish      | Total | 2015  |
|------------------|--|----------|--|-------------|-------|---|
|                  |  | Duration |  |             | Float | MayJuneJu<br>_3   |
| BMRP - May 2     | 2015 to Aug 2015   |          |  |             |       |   |
| 02 - PRE-COI     | NSTRUCTION WORKS   |          |  |             |       |   |
| 02.3 - Method S  | tatement / Shop Drawings   |          |  |             |       |   |
| 0230-1380        | MS Landscape Deck Structure - Submission                                       | 28       | 20-May-15                              | 16-Jun-15   | 811   | MS Landscape Deck Structure - Su  |
| 0230-1390        | MS Landscape Deck Structure - ER Review & Comment                              | 28       | 17-Jun-15                              | 14-Jul-15   | 811   |   |
| 0230-1400        | MS Landscape Deck Structure - Resubmission                                     | 28       | 15-Jul-15                              | 11-Aug-15   | 811   |   |
| 0230-1611        | MS Noise Semi Enclosure - Submission   | 60       | 20-May-15                              | 18-Jul-15   | 131   |   |
| 0230-1612        | MS Noise Semi Enclosure - ER Review / Comment                                  | 28       | 19-Jul-15                              | 15-Aug-15   | 131   |   |
| 0230-1690        | MS Approach Ramp - ER Approval   | 14       | 01-Feb-15A                             | 02-Jun-15   | 304   | MS Approach Ramp - ER Approval  |
| A10110           | MS for Partition Walls and outstanding columns at APS Basement - ER No Adverse | ( 0      | 01-Feb-15A                             | 28-Apr-15 A |       | Partition Walls and outstanding columns at APS Basement - ER No Adverse Comment |
| A10500           | MS EVB Basement & Mezzanine Construction - ER Review / Comment                 | 1        | 16-Jan-15 A                            | 20-May-15   | 26    | MS EVB Basement & Mezzanine Construction - ER Review / Comm                     |
| A10510           | MS EVB Basement & Mezzanine Construction - Resubmission                        | 14       | 21-May-15                              | 03-Jun-15   | 26    | MS EVB Basement & Mezzanine Construction - Re                                   |
| A10520           | MS EVB Basement & Mezzanine Construction - No Adverse Comment                  | 14       | 04-Jun-15                              | 17-Jun-15   | 26    | MS EVB Basement & Mezzanine   |
| A10640           | MS for Demolition of existing Westbound Bridge - Submission                    | 0        | 20-Feb-15 A                            | 28-Feb-15 A |       |   |
| A10650           | MS Demolition of existing Westbound Bridge - ER Review / Comment               | 0        | 01-Mar-15 A                            | 15-Mar-15 A |       | mment   |
| A10660           | MS Demolition of existing Westbound Bridge - Resubmission                      | 0        | 16-Mar-15 A                            | 20-Apr-15 A |       | existing Westbound Bridge - Resubmission  |
| A10670           | MS Demolition of existing Westbound Bridge - No Adverse Comment                | 14       | 20-May-15                              | 02-Jun-15   | 13    | MS Demolition of existing Westbound Bridge - No Ad                              |
| A10680           | MS for Connection of EVB and EVA - Submission                                  | 10       | 10-Mar-15 A                            | 29-May-15   | 0     | MS for Connection of EVB and EVA - Submission                                   |
| A10690           | MS for Connection of EVB and EVA - ER Review & Comment                         | 12       | 30-May-15                              | 10-Jun-15   | 0     | MS for Connection of EVB and EVA - ER   |
| A10700           | MS for Connection of EVB and EVA - Resubmission                                | 6        | 11-Jun-15                              | 16-Jun-15   | 0     | MS for Connection of EVB and EV   |
| A10710           | MS for Connection of EVB and EVA - ER No Adverse Comment                       | 10       | 17-Jun-15                              | 26-Jun-15*  | 0     | MS for Connection of  |
| A5940            | MS for Temporary Steel Tower under existing W/B Brigde - ER No Adverse Comm    | e 2      | 15-Feb-15 A                            | 21-May-15   | 27    | MS for Temporary Steel Tower under existing W/B Brigde - ER No                  |
| A7580            | MS Temporary Bridge TA2 - Resubmission   | 0        | 16-Mar-15 A                            | 22-Apr-15 A |       | Bridge TA2 - Resubmission   |
| A7590            | MS Temporary Bridge TA2 - ER No Adverse Comment                                | 6        | 23-Apr-15 A                            | 25-May-15   | 6     | MS Temporary Bridge TA2 - ER No Adverse Comment                                 |
| A8931            | MS for installation of Temporary JTI sign gantry- Submission                   | 0        | 10-Mar-15 A                            | 15-Mar-15 A |       |   |
| A8941            | MS for installation of Temporary JTI sign gantry - ER Review & Comment         | 0        | 16-Mar-15 A                            | 19-Mar-15 A |       | iew & Comment   |
| A8951            | MS for installation of Temporary JTI sign gantry - Resubmission                | 0        | 20-Mar-15 A                            | 31-Mar-15 A |       | antry - Resubmis <mark>s</mark> ion   |
| A8961            | MS for installation of Temporary JTI sign gantry - ER No Adverse Comment       | 0        | 01-Apr-15 A                            | 18-Apr-15 A |       | Temporary JTI sign gantry - ER No Adverse Comment                               |
| 02.4 - Contracto | or's Design and Build Items  |          |  |             |       |   |
| 0240-1113        | Noise Enclosure Structural - Shop Drawings                                     | 0        | 02-Jan-14 A                            | 20-May-15   | 50    | Noise Enclosure Structural - Shop Drawings                                      |
| 0240-1180        | HGHK Permanent Carpark Design - ER/HGHK Review and Comment                     | 50       | 20-May-15                              | 08-Jul-15   | 1     | I Noise Enclosure Structural - Shop Drawings                                    |
| 0240-1270        | Landscaping Design - Submission  | 90       | 20-May-15*                             | 17-Aug-15   | 659   |   |
| A5890            | Temp Bridge "TA2" Design (Foundation & Structure) - ER No Adverse Comment      | 0        | 01-Dec-14 A                            | 22-Apr-15 A |       | A2" Design (Foundation & Structure) - ER No Adverse Comment                     |
| A5900            | Temp Bridge "TA2" - Fabrication  | 2        | 01-Dec-14 A                            | 22-May-15   | 4     | Temp Bridge "TA2" - Fabrication   |
| A8991            | Design for Trial Panels > Green Roof & Wall- ER No Adverse Comment             | 0        | 28-Feb-15 A                            | 10-Apr-15 A |       | n Roof & Wall- ER No Adverse Comment  |
| A9001            | Design for Trial Panels > Green Roof & Wall - Fabrication                      | 0        | 01-Mar-15 A                            | 17-Apr-15 A |       | s > Green Roof & Wall - Fabrication   |
| 02.5 - Bridge Se | egment/Beam Off-site Precasting  |          |  |             |       |   |
| 0250-1720.19     | Precast Beam Bridge C1 2021-C  | 0        | 26-Jan-15 A                            | 25-Mar-15 A |       |   |
| 0250-1720.20     | Precast Beam Bridge C1 2122-A  | 0        | 11-Feb-15 A                            | 25-Mar-15 A |       |   |
| 0250-1720.21     | Precast Beam Bridge C1 2122-B  | 0        | 12-Feb-15 A                            | 29-Apr-15 A |       | t Beam Bridge C1 2122-B   |
| 0250-1720.22     | Precast Beam Bridge C1 2122-C  | 0        | 12-Feb-15 A                            | 29-Apr-15 A |       | t Beam Bridge C1 2122-C   |
| 0250-1720.23     | Precast Beam Bridge C1 2122-D  | 14       | 15-Apr-15 A                            | 05-Jun-15   | 153   | Precast Beam Bridge C1 2122-D Precast Beam Bridge C1 2122-D Precast Beam Bridge |
| 0250-1720.25     | Precast Beam Bridge C1 2122-E  | 18       | 05-Jun-15                              | 27-Jun-15   | 153   | Precast Beam Bridge   |
| 0250-1720.26     | Precast Beam Bridge C1 2122-F  | 18       | 27-Jun-15                              | 20-Jul-15   | 153   |   |
| 0250-1720.27     | Precast Beam Bridge E E3E2-A   | 14       | 10-May-15 A                            | 09-Jun-15   | 89    | Precast Beam Bridge E E3E2-A  |
| 0250-1720.28     | Precast Beam Bridge E E3E2-B   | 14       | 10-May-15 A                            |             | 89    | Precast Beam Bridge E E3E2-B  |
| 0250-1720.29     | Precast Beam Bridge E E3E2-C   | 18       | 14-Apr-15 A                            | 09-Jun-15   | 89    | Precast Beam Bridge E E3E2-C  |
| 0250-1720.30     | Precast Beam Bridge E E4E3-A   | 14       | 06-Apr-15 A                            | 05-Jun-15   | 89    | Precast Beam Bridge E E4E3-A  |
|                  |  |          |  |             |       |   |
| Remaining        | Level of Effort   Milestone  |          |  | Contract    | HY/2  | 2009/19   |
| Actual Leve      | l of Effort  |          |  |             |       |   |
| Actual Work      | « 3 N  | lonths   | Rolling                                | Program     | (20   | May 2015 - 19 Aug 2015)   |
| Remaining        |  |          | Ŭ                                      | ~           | •     | - · · · · · · · · · · · · · · · · · · ·   |
| Critical Dam     |  |          |  |             |       |   |

Critical Remaining Work

| /           |          |            | Διι      | gust       |          | mber    |
|-------------|----------|------------|----------|------------|----------|---------|
| /<br>  19   | 26       | 02         | 09       | 9030<br>16 | 23       | 30      |
| 19          | 20       | 02         | 09       | 10         | 23       | 30      |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
| mission     |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
| IS Landsca  | ape Dec  | k Structur | e - ER R | Review &   | Comme    | nt      |
| IS Landsca  | <u></u>  |            |          |            |          | 0       |
|             |          |            | MS       | Landsca    | ape Deck | Structu |
| MS No       | ise Sem  | i Enclosu  | e - Subr | nission    |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          | MS No      | ise Semi | Enclosu |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
| nt          |          |            |          |            |          |         |
| ubmission   |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
| onstructior | n - No A | dverse C   | omment   |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
| verse Com   |          |            |          |            |          |         |
| verse Com   | ment     |            |          |            |          |         |
|             | _ /      |            |          |            |          |         |
| eview & C   |          |            |          |            |          |         |
| eview & C   | ommen    | t          |          |            |          |         |
| - Resubm    |          |            |          |            |          |         |
| - Resubili  | 1551011  |            |          |            |          |         |
| VB and EV   | 'A - ER  | No Adver   | se Com   | ment       |          |         |
|             |          |            |          |            |          |         |
| dverse Co   | omment   |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
| ermanent    |          |            |          |            |          |         |
| ermanent    | Carpark  | CDesign -  | ER/HGI   | HK Revie   | w and C  | ommen   |
|             |          |            |          |            | scaping  | Decian  |
|             |          |            |          |            | iscaping | Design  |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
| C1 2122-E   |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
| Prec        | ast Bea  | m Bridge   | C1 2122  | -F         |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          | -       |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |
|             |          |            |          |            |          |         |

Page 1 of 14

| ty ID   | Activity Name  | lemainin<br>Duration                      |   | Finish      | Total<br>Float | May   | Z015<br>June July  |
|---|--|---|---|-------------|----------------|---|--|
|   |  |   |   |             |                |   | 17 24 31 07 14 21 28 05 12   |
| 250-1720.31   | Precast Beam Bridge E E4E3-B   | 14  | 08-May-15 A                               |             | 92             |   | Precast Beam Bridge E E4E3-B   |
| 250-1720.32   | Precast Beam Bridge E E4E3-C   | 14  | 03-Apr-15 A                               | 05-Jun-15   | 92             |   | Precast Beam Bridge E E4E3-C   |
| 250-1720.33   | Precast Beam Bridge F5 - 10  | 18  | 05-Jun-15                                 | 27-Jun-15   | 135            |   | Precast Beam Bridge F5   |
| 0250-1720.35  | Precast Beam Bridge F5 - 11  | 18  | 27-Jun-15                                 | 20-Jul-15   | 135            |   |  |
| 0250-1720.36  | Precast Beam Bridge F5 - 12  | 18  | 20-Jul-15                                 | 10-Aug-15   | 135            |   |  |
| 0250-1720.37  | Precast Beam Bridge F5 - 13  | 18  | 10-Aug-15                                 | 31-Aug-15   | 135            |   |  |
| 0250-2070   | Bridge F1C Pier 36 T-span Segment Off-site Casting (13 nos.)   | 31  | 20-May-15                                 | 25-Jun-15   | 159            |   | Bridge F1C Pier 36 T-span  |
| 0250-2080   | Bridge F1C Pier 37 T-span Segment Off-site Casting (11 nos.)   | 27  | 26-Jun-15                                 | 28-Jul-15   | 159            |   |  |
| 0250-2090   | Bridge F1C Abut D12 End-span Segment Off-site Casting (7 nos.)   | 22  | 20-May-15                                 | 13-Jun-15   | 168            |   | Bridge F1C Abut D12 End-span Segment                                 |
| 0250-2100   | Bridge F1C Pier 38 End-span Segment Off-site Casting (6 nos.)  | 19  | 15-Jun-15                                 | 08-Jul-15   | 176            |   | Bridge F1C   |
| 0250-2110   | Bridgee F2C Pier 39 T-span Segment Off-site Casting (13 nos.)  | 0   | 11-Jan-15 A                               | 26-Mar-15 A |                | asting (13 nos.)  |  |
| 0250-2120   | Bridge F2C Pier 38 End-span Segment Off-site Casting (5 nos.)  | 0   | 09-Jan-15 A                               | 10-Mar-15 A |                |   |  |
| 250-2130  | Bridge F2C Pier 40 End-span Segment Off-site Casting (5 nos.)  | 0   | 09-Feb-15 A                               | 10-Mar-15 A |                |   |  |
| 250-2140  | Bridge F3C Pier 41 T-span Segment Off-site Casting (13 nos.)   | 31  | 10-Apr-15 A                               | 25-Jun-15   | 235            |   | Bridge F3C Pier 41 T-span  |
| 0250-2150   | Bridge F3C Pier 42 T-span Segment Off-site Casting (11 nos.)   | 22  | 18-Apr-15 A                               | 13-Jun-15   | 244            |   | Bridge F3C Pier 42 T-span Segment Off-s                              |
| 0250-2160   | Bridge F3C Pier 40 End-span Segment Off-site Casting (5 nos.)  | 16  | 10-Apr-15 A                               | 06-Jun-15   | 243            |   | Bridge F3C Pier 40 End-span Segment Off-site Ca                      |
| 250-2170  | Bridge F3C Pier 43 End-span Segment Off-site Casting (6 nos.)  | 19  | 08-Jun-15                                 | 30-Jun-15   | 243            |   | Bridge F3C Pier 43 E   |
| A2410   | Completion of Beam Off-Site Pre casting (Pier 17 - 20)   | 0   |   | 20-Jul-15   | 153            |   |  |
| A2420   | Completion of Beam Off-Site Pre casting (Pier E2 - E3)   | 0   |   | 05-Jun-15   | 119            |   | Completion of Beam Off-Site Pre casting ( Pier E2 -                  |
| A8380   | Bridge F1B2 - Abut D12 Segment - 6 nos. (S2)   | 19  | 13-Jun-15                                 | 08-Jul-15   | 393            |   | Bridge E1B   |
| A8390   | Bridge F1B2 - Pier F1B2 Segment - 13 nos. (S1)   | 40  | 02-Jul-15                                 | 17-Aug-15   | 421            |   |  |
| A8410   | Bridge F1B2 - Pier F3B2 Segment - 6 nos. (S2)  | 19  | 15-Jul-15                                 | 06-Aug-15   | 393            |   |  |
| A8420   | Bridge F2B - Pier F3B2 Segment - 5 nos. (S2)   | 16  | 13-Aug-15                                 | 01-Sep-15   | 393            |   |  |
| A7631<br>A7631.1<br>A7631.2<br>A7631.3<br>A7631.4<br>A7631.5<br>A7632 | Relocation of Cul-De-Sac > Excavate & install Manhole > Stage 2         Relocation of Cul-De-Sac > Backfilling > Stage 2         Relocation of Cul-De-Sac > Sheetpile Removal > Stage 2         Relocation of Cul-De-Sac > Paving Preparation > Stage 2         Relocation of Cul-De-Sac > Concreting of Pavement + Testing > Stage 2         Relocation of Cul-De-Sac > Asphalt paving > Stage 2         TTA for Relocation of Cul-De-Sac > Stage 3 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>4 | 18-Mar-15 A<br>29-Mar-15 A<br>30-Mar-15 A | · ·         | 12             | tage 2<br>2<br>al > Stage 2<br>tion > Stage 2<br>Pavement + Test<br>g > Stage 2 | ng > Stage 2<br>TTA for Relocation of Cul-De-Sac > Stage 3           |
| 32.12   | Relocation of Cul-De-Sac > Opening of Existing Pavement > Stage 3  | 0   | 08-Apr-15 A                               | 12-Apr-15 A |                | Opening of Exist  | ng Pavement > Stage 3  |
| 7632.13   | Relocation of Cul-De-Sac > Drive sheetpile & Erect Copperdam > Stage 3   | 0   | 13-Apr-15 A                               | 18-Apr-15 A |                | -Sac > Drive she  | etpile & Erect Copperdam > Stage 3                                   |
| 7632.14   | Relocation of Cul-De-Sac > Excavation + Blinding > Stage 3   | 0   | 01-Apr-15 A                               | 04-May-15 A |                | Relocation of Cul-  | De-Sac > Excavation + Blinding > Stage 3                             |
| 7632.15   | Relocation of Cul-De-Sac > Lay Granular Bedding > Stage 3  | 0   | 04-May-15 A                               | 05-May-15 A |                | Relocation of Cu  | I-De-Sac > Lay Granular Bedding > Stage 3                            |
| 7632.16   | Relocation of Cul-De-Sac > Lay 450 and 750 drain > Stage 3   | 0   | 05-May-15 A                               | 05-May-15 A |                | Relocation of Cu  | I-De-Sac > Lay 450 and 750 drain > Stage 3                           |
| 7632.17   | Relocation of Cul-De-Sac > Cast Manhole Benching (2nos) > Stage 3  | 0   | 06-May-15 A                               | 08-May-15 A |                | Relocation o  | Cul-De-Sac > Cast Manhole Benching (2nos) > Stage 3                  |
| 7632.17.1   | Relocation of Cul-De-Sac > Install Water Main  | 0   | 01-May-15 A                               | 05-May-15 A |                |   | I-De-Sac > Install Water Main  |
| 47632.18  | Relocation of Cul-De-Sac > Erect Formwork and Cast Manhole (2nos)> Stage 3   | 0   | 06-May-15 A                               | 13-May-15 A |                | Reloca  | tion of Cul-De-Sac > Erect Formwork and Cast Manhole (2nos)> Stage 3 |
| A7632.19  | Relocation of Cul-De-Sac > Backfilling > Stage 3   | 0   | 14-May-15 A                               | 18-May-15 A |                |   | Relocation of Cul-De-Sac > Backfilling > Stage 3                     |
| 7632.21   | Relocation of Cul-De-Sac > Concreting of Pavement + Testing > Stage 3  | 1   | 19-May-15 A                               | 20-May-15   | 11             |   | Relocation of Cul-De-Sac > Concreting of Pavement + Testing > Stage  |
| 47632.22  | Relocation of Cul-De-Sac > Asphalt paving > Stage 3  | 9   | 21-May-15                                 | 30-May-15   | 11             |   | Relocation of Cul-De-Sac > Asphalt paving > Stage 3                  |
| A7634   | Relocation Cul-De-Sac  | 0   | <b>y</b>                                  | 30-May-15   | 11             |   | ◆ Relocation Cul-De-Sac  |
| A9200   | Installation of JTI Gantry - Footing(Nosing)   | 0   | 10-Mar-15 A                               | 14-Mar-15 A |                |   |  |
| \9201   | Installation of JTI Gantry - Install Holding down Bolts  | 0   |   | 13-Mar-15 A |                |   |  |
| A9202.1   | Auto Toll and HKE Commissioning  | 0   | 20-Jan-15 A                               | 26-Mar-15 A |                |   |  |
| 49203   | Installation of JTI Gantry   | 0   |   | 26-Mar-15 A |                |   |  |
| Remaining I<br>Actual Leve<br>Actual Work<br>Remaining                | Level of Effort  Milestone of Effort   | onths                                     |   | Contract    | -              |   | 5 - 19 Aug 2015)   |

|              |             |            | A            | aust       |           | look or    |
|--------------|-------------|------------|--------------|------------|-----------|------------|
| 19           | 26          | 02         | 09           | gust<br>16 | 23        | mber<br>30 |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
| 5 - 10       |             |            |              |            |           |            |
|              | ant Deen    | n Bridge   | <b>FE</b> 44 |            |           |            |
| Prec         | ast Bean    | n Bridge   |              |            |           |            |
|              |             |            | Prec         | ast Bean   | n Bridge  | F5 - 12    |
|              |             |            |              |            |           | Pre        |
| an Segmer    |             |            |              |            |           |            |
|              | 🔲 Brio      | dge F1C    | Pier 37      | T-span S   | egment (  | Off-site   |
| nt Off-site  | Casting     | (7 nos.)   |              |            |           |            |
| 1C Pier 38   | End-spa     | an Seam    | ent Off-s    | ite Castir | na (6 nos | ;.)        |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
| an Segmer    | nt Off-site | e Casting  | g (13 nos    | .)         |           |            |
| f-site Casti | ng (11 n    | os.)       |              |            |           |            |
| Casting (5   | nos.)       |            |              |            |           |            |
| End-spar     | Segme       | nt Off-sit | e Casting    | (6 nos.)   | )         |            |
|              |             |            | Off-Site F   |            |           | 17 - 20)   |
| - E3)        |             |            |              |            | .9 ( 1.01 |            |
| B2 - Abut    | D12 Soc     |            | S non (S     |            |           |            |
|              | D12 Seg     | Jment - 6  | 5 1105. (54  |            |           |            |
|              |             |            |              |            | ge F1B2   |            |
|              |             | E          | Bridge F1    | B2 - Pie   | r F3B2 S  | egment     |
|              |             |            |              |            |           | Br         |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
| 3            |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
| e 3          |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |
|              |             |            |              |            |           |            |

Page 2 of 14

| ivity ID        | Activity Name  |                          | temainin | Start       | Finish      | Total |                    |               |                |                                       |                 | 2015         |             |
|-----------------|--|--------------------------|----------|-------------|-------------|-------|--------------------|---------------|----------------|---------------------------------------|-----------------|--------------|-------------|
|                 |  |                          | Duration |             |             | Float | May<br>3 10 1      | 7 24          |                | June<br>7   14                        | 21              | 28 05        | July<br>12  |
| A9205.1         | Reinstatement of Pavement due to Electrical works a  | at Existing W/B Rd.      | 0        | 26-Mar-15 A | 26-Mar-15 A |       | ks at Existing W/  |               |                | ·                                     |                 |              |             |
| A9205.2         | Temporary Relocate FEHD On top of Tunnel (Portio     | on IA) > Stage 1         | 0        | 30-Mar-15 A | 01-Apr-15 A |       | nel (Portion IA)   | > Stage 1     |                |                                       |                 |              |             |
| A9205.3         | Temporary Relocate FEHD On top of Tunnel (Portio     | on IA) > Stage 2         | 0        | 05-Apr-15 A | 09-May-15 A |       | Temporary          | Relocate FE   | HD On top of   | Tunnel ( Port                         | tion IA) > Sta  | age 2        |             |
| A9205.4         | Removal of JTI Gantry at E/B Bridge                  | , 0                      | 0        | 03-Apr-15 A | -           |       | lge                |               | ·····          | · · · · · · · · · · · · · · · · · · · |                 |              |             |
| 5 - SECTIO      | N 2 & 2A OF THE WORKS                                |                          |          | · ·         | · ·         |       | 0                  |               |                |                                       |                 |              |             |
|                 | ver Tunnel Ch 4855-4932 (APS Footprint)              |                          |          |             |             |       |                    |               |                |                                       |                 |              |             |
| 05.1.1 - D-Wall |  |                          |          |             |             |       |                    |               |                |                                       |                 |              |             |
| A5990           | D-Wall Interface Coring                              |                          | 9        | 16-May-15 A | 29-May-15   | 23    |                    |               | D-Wall Inter   | face Coring                           |                 |              |             |
| A6000           | D-Wall Grouting/Pressure Grouting                    |                          | 2        | 30-May-15   | 01-Jun-15   | 23    |                    |               | D-Wall Inter   | · · · · · · · · · · · · · · · · · · · | sure Groutir    |              |             |
|                 |  |                          | 2        | 30-Way-13   | 01-5011-15  | 23    |                    |               |                |                                       |                 | ig           |             |
| 0513-1316       | APS Bay 17 Col - (Reb. Fix + Concrete)               |                          | 0        | 11-Mar-15 A | 08-Apr-15 A |       | ncrete)            |               |                |                                       |                 |              |             |
| 0513-1510       | Tunnel Bay 17 -Tunnel Roof - Steel Fixing            |                          | 0        |             | 07-Mar-15 A |       |                    |               |                |                                       |                 |              |             |
|                 |  |                          | -        |             |             |       |                    |               |                |                                       |                 |              |             |
| 0513-1540       | Tunnel Bay 17 -Tunnel Roof - (Concrete)              |                          | 0        | 08-Mar-15 A |             |       |                    |               |                |                                       |                 |              |             |
| A3800           | Tunnel Bay 20 -Tunnel Roof - Steel Fixing            |                          | 0        | 12-Mar-15 A |             |       |                    |               |                |                                       |                 |              |             |
| A3810           | Tunnel Bay 20 -Tunnel Roof - (Concrete)              |                          | 0        | 13-Mar-15 A |             |       |                    |               |                |                                       |                 |              |             |
| A3813           | APS Bay 21 Col - (Reb. Fix + Concrete)               |                          | 0        | 11-Mar-15 A | 08-Apr-15 A |       | ncrete)            |               |                |                                       |                 |              |             |
| A3990           | Tunnel Bay 21 -Tunnel Roof - Steel Fixing            |                          | 0        | 14-Feb-15 A | 12-Mar-15 A |       |                    |               |                |                                       |                 |              |             |
| A4000           | Tunnel Bay 21 -Tunnel Roof - (Concrete)              |                          | 0        | 13-Mar-15 A |             |       |                    |               |                |                                       |                 |              |             |
| A4000.1         | Tunnel Bay 21 - Tunnel Roof - Steel Fixing - Remaini | •                        | 0        |             | 26-Mar-15 A |       | aining Works       |               |                |                                       |                 |              |             |
| A4000.2         | Tunnel Bay 21 - Tunnel Roof - (Concrete) - Remainir  |                          | 0        |             | 27-Mar-15 A |       | haining Works      |               |                |                                       |                 |              |             |
| A5414           | APS Basement (Bay 21-North) - Staircase (APS) > S    | -                        | 0        | 09-Mar-15 A |             |       | Landing 4          |               |                |                                       |                 |              |             |
| A5414.1         | APS Basement (Bay 21-North) - Staircase Landing 4    | •                        | 0        | 11-May-15 A | 18-May-15 A |       |                    |               | nt (Bay 21-No  |                                       |                 |              |             |
| A5414.2         | APS Basement (Bay 21-North) - Staircase Landing 8    | 3 > Staircase Landing 12 | 6        | 19-May-15 A | 26-May-15   | 28    |                    |               | S Basement     |                                       |                 |              |             |
| A5414.3         | Tunnel roof slab - Southside > South Side Corner Be  | am                       | 7        | 18-Apr-15 A | 27-May-15   | 0     |                    | T             | unnel roof sla | b - Southside                         | e > South Sid   | de Corner E  | seam        |
| A5426           | APS Basement (Bay 21-South) - Staircase (APS) > S    | Staircase Landing 4      | 1        | 11-May-15 A | 20-May-15   | 0     |                    | APS Base      | ment (Bay 21   | -South) - Sta                         | ircase (APS     | ) > Staircas | e Landing   |
| A5426.1         | APS Basement (Bay 21-South) - Staircase Landing      | 4 > Staircase Landing 8  | 9        | 21-May-15   | 30-May-15   | 0     |                    |               | APS Basen      | nent (Bay 21-                         | South) - Sta    | ircase Land  | ding 4 > St |
| A5426.2         | APS Basement (Bay 21-South) - Staircase Landing 8    | 3 > Staircase Landing 12 | 10       | 09-Jun-15   | 19-Jun-15*  | 0     |                    |               |                |                                       | APS Basem       | ent (Bay 21  | I-South) -  |
| A5426.3         | Tunnel Level - South Side Additional Beam at Bay 21  |                          | 7        | 20-May-15   | 27-May-15   | 27    |                    | T             | unnel Level -  | South Side A                          | dditional Be    | am at Bay 2  | <u>2</u> 1  |
| A5426.3.1       | Reinstate Temporary Opening of Base Slab > Bay 18    | 3                        | 6        | 21-May-15   | 27-May-15   | 27    |                    | R             | einstate Tem   | porary Openi                          | ng of Base S    | Slab > Bay 1 | 18          |
| A5426.4         | APS Basement (Bay 21-North) - Partition wall         |                          | 0        | 06-Apr-15 A | 18-May-15 A |       |                    | APS Baseme    | nt (Bay 21-No  | orth) - Partitio                      | n wall          |              |             |
| A5427.1         | APS Basement (Bay 21-South) - Partition wall         |                          | 7        | 07-Apr-15 A | 27-May-15   | 27    |                    | A             | PS Basemen     | t (Bay 21-Sou                         | uth) - Partitic | n wall       |             |
| A5427.2         | APS Basement (Bay 20) - Partition wall               |                          | 0        | 07-Apr-15 A | 16-May-15 A |       | AP                 | S Basement    | (Bay 20) - Pa  | rtition wall                          |                 |              |             |
| A5427.3         | APS Basement (Bay 19) - Partition wall               |                          | 0        | 15-Mar-15 A | 08-Apr-15 A |       | on wall            |               |                |                                       |                 |              |             |
| A5427.4         | APS Basement (Bay 18) - Partition wall               |                          | 0        | 08-Mar-15 A | 08-Apr-15 A |       | on wall            |               |                |                                       |                 |              |             |
| A5427.5         | APS Basement (Bay 17) - Partition wall               |                          | 0        | 09-Mar-15 A | · ·         |       | on wall            |               |                |                                       |                 |              |             |
| A5427.5.1       | Tunnel roof slab - Northside > North side Beam       |                          | 0        | 28-Apr-15 A | 05-May-15 A |       | Tunnel roof slab   | - Northside > | North side E   | eam                                   |                 |              |             |
| A5427.5.2       | Tunnel roof slab - Southside > 2M Wall               |                          | 0        | 17-Apr-15 A | 17-Apr-15 A | [     | uthside > 2M Wal   |               |                |                                       |                 |              |             |
| A5427.5.3       | Tunnel roof slab - Southside > OHVD                  |                          | 0        | 18-Apr-15 A | 27-Apr-15 A |       | of slab - Southsid | e > OHVD      |                |                                       |                 |              |             |
| A5427.5.4       | Tunnel roof slab - Southside > Roof Slab             |                          | 0        | 28-Apr-15 A | 05-May-15 A |       | Tunnel roof slab   |               | Roof Slab      |                                       |                 |              |             |
| A5427.5.6       | Tunnel roof slab - Southside > Reinstate Bay 18 Tem  | n Opening                | 0        | 24-Apr-15 A | 27-Apr-15 A |       | of slab - Southsid |               |                | n Openina                             |                 |              |             |
| A5427.5.7       | Tunnel Level - North Side Additional Wall at Bay 19  |                          | 1        | 17-Apr-15 A | 20-May-15   | 33    |                    |               | vel - North Si |                                       | Wall at Bay     | 10           |             |
| A5427.6         | BHW Coring at C15 & C19 Interface                    |                          | 0        | 06-Feb-15 A | 02-Mar-15 A |       |                    |               |                |                                       | ····all at Day  |              |             |
| A5427.0         | Vertical Saw Cutting of BHW @ 9M(H) X 32M(L)         |                          | 0        | 03-Mar-15 A |             |       | 8HW @ 9M(H) >      | 22011/1       |                |                                       |                 |              |             |
| A5465           | Horizontal Saw Cutting of BHW @ 9M(H) X 32M(L)       |                          | 0        | 16-Mar-15 A | · ·         |       | of BHW @ 9M(H)     |               |                |                                       |                 |              |             |
|                 | <b>č</b> ( , , , , , , , , , , , , , , , , , ,       |                          | -        |             | · ·         |       | ·                  |               |                |                                       |                 |              |             |
| A5830.1         | Removal of Bulkhead Wall Eastbound                   |                          | 0        | 17-Apr-15 A | 30-Apr-15 A |       | val of Bulkhead    |               |                | <b>F</b> actly and                    |                 |              |             |
| A5830.2         | Stitching - Tunnel base Slab > Eastbound             |                          | 0        | 01-May-15 A |             |       | Str                |               | el base Slab > |                                       |                 |              |             |
| A5830.3         | Stitching - Roof Slab > Eastbound                    |                          | 5        | 20-May-15   | 25-May-15   | 26    |                    |               | hing - Roof S  |                                       |                 |              |             |
| A5830.4         | Stitching - OHVD > Eastbound                         |                          | 3        | 26-May-15   | 28-May-15   | 26    |                    |               | Stitching - OF |                                       |                 |              |             |
| A5830.6         | Removal of Bulkhead Wall > Westbound                 |                          | 10       | 20-Apr-15 A | 30-May-15   | 11    |                    |               | Removal o      | f Bulkhead W                          | all > Westbo    | ound         |             |
| Remaining       | Level of Effort   Milestone                          |                          |          | (           | Contract    | HY/2  | 2009/19            |               |                |                                       |                 |              |             |
| Actual Leve     | el of Effort   |                          |          |             |             |       |                    |               |                |                                       |                 |              |             |
| Actual Wor      | k  | 3 M                      | onths    | Rollina I   | Program     | (20   | May 2015           | - 19 A        | ug 2015        | 5)                                    |                 |              |             |
| Remaining       | Work   |                          |          |             |             | 、•    | ,                  |               | 5              | ,                                     |                 |              |             |
| •               | naining Work   |                          |          |             |             |       |                    |               |                |                                       |                 | 1            |             |

|     |           |          |            | A      | ugust     |    | mber |
|-----|-----------|----------|------------|--------|-----------|----|------|
|     | 19        | 26       | 02         | 09     | 16        | 23 | 30   |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
| • • |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     | 8         |          |            |        |           |    |      |
| s   | e Landin  | g 12     |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
| 4   | <br>1     |          |            |        |           |    |      |
|     |           | andina O |            |        |           |    |      |
|     |           |          |            |        | anding 12 |    |      |
|     | Staircase | Landing  | ) 8 > Stai | case L | anding 12 |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |
|     |           |          |            |        |           |    |      |

Page 3 of 14

| y ID          | Activity Name  | temainin |             | Finish                     | Total |                 |                |                               | 2015                            |
|---------------|--|----------|-------------|----------------------------|-------|-----------------|----------------|-------------------------------|---------------------------------|
|               |  | Duration |             |                            | Float | May<br>3 10 7   | 17 24          | June<br>31 07 14              | July<br>21 28 05 12             |
| A5830.7       | Stitching - Tunnel base Slab > Westbound                                       | 5        | 01-Jun-15   | 05-Jun-15                  | 11    |                 |                |                               | ase Slab > Westbound            |
| 5830.8        | Stitching - Roof Slab > Westbound  | 5        | 06-Jun-15   | 11-Jun-15                  | 11    |                 |                | Stitching - R                 | oof Slab > Westbound            |
| 830.9         | Stitching - OHVD > Westbound   | 3        | 12-Jun-15   | 15-Jun-15                  | 11    |                 |                |                               | g - OHVD > Westbound            |
| 5830.9.1      | Completion of Outstanding Works at APS & Tunnel                                | 0        |             | 15-Jun-15                  | 11    |                 |                | Completion                    | etion of Outstanding Works at / |
| .1.4 - Tunnel | Structure  |          |             |                            |       |                 |                |                               |                                 |
| \5393         | Tunnel Bay 16 -Tunnel Roof - Steel Fixing                                      | 0        | 14-Feb-15A  | 07-Mar-15 A                |       |                 |                |                               |                                 |
| 394           | Tunnel Bay 16 -Tunnel Roof - (Concrete)  | 0        | 08-Mar-15 A | 08-Mar-15 A                |       |                 |                |                               |                                 |
| 5395          | Weak Seam Rectification works for sub-standard D-Wall                          | 7        | 10-Mar-15 A | 27-May-15                  | 27    |                 | We             | eak Seam Rectification work   | s for sub-standard D-Wall       |
| 5396          | Complete Tunnel Roof   | 0        |             | 08-Mar-15 A                |       |                 |                |                               |                                 |
| .1.5 - EVB Su | b-structure & Tunnel   |          |             |                            |       |                 |                |                               |                                 |
| A10530        | Tunnel Roadside/Profile Barrier and Cable Trough Portion IB & ID > Bay 14-16   | 8        | 20-May-15   | 28-May-15                  | 0     |                 | T              | unnel Roadside/Profile Barr   | ier and Cable Trough Portion I  |
| 10540         | Tunnel Roadside/Profile Barrier and Cable Trough Portion IB & ID > Bay 16-19   | 8        | 29-May-15   | 06-Jun-15                  | 0     |                 |                | Tunnel Roadside/F             | Profile Barrier and Cable Troug |
| 5513          | Tunnel Roadside/Profile Barrier and Cable Trough Portion IB & ID > Bay 19-21   | 8        | 08-Jun-15   | 16-Jun-15                  | 0     |                 |                | Tunne                         | el Roadside/Profile Barrier and |
| 5514          | Tunnel Roadside/Profile Barrier and Cable Trough Portion IVIIIB & IXB          | 10       | 17-Jun-15   | 29-Jun-15                  | 0     |                 |                |                               | Tunnel Roadside/Pr              |
| 524           | EVB Basement (Zone A1) - Partition Wall (Reb. Fix + Concreting) > CH4850-CH487 | 8        | 29-Jul-15   | 06-Aug-15                  | 3     |                 |                |                               |                                 |
| 534           | EVB Basement (Zone A1) - Staircase-2nos.(Reb. Fix + Concreting) >CH4850-CH48   | 8        | 07-Aug-15   | 15-Aug-15                  | 41    |                 |                |                               |                                 |
| 544           | EVB Basement (Zone A2) - Partition Wall (Reb. Fix + Concreting)> CH4875-CH490  | 8        | 17-Aug-15   | 25-Aug-15                  | 41    |                 |                |                               |                                 |
| 554           | EVB Basement (Zone A2) - Staircase-1nos.(Reb. Fix + Concreting)> CH4875-CH49   | 8        | 26-Aug-15   | 03-Sep-15                  | 45    |                 |                |                               |                                 |
| 564           | EVB Basement (Zone B1) - Partition Wall (Reb. Fix + Concreting)> CH4900-CH492  | 8        | 09-Sep-15   | 17-Sep-15                  | 41    |                 |                |                               |                                 |
| 744           | EVB Mezzanine (Zone A1) - (Reb. Fix + Concreting)> CH4850-CH4875               | 14       | 07-Aug-15   | 22-Aug-15                  | 3     |                 |                |                               |                                 |
| 5754          | EVB Mezzanine (Zone A1) - Staircase-2nos.(Reb. Fix + Concreting)> CH4850-CH4   | 14       | 24-Aug-15   | 08-Sep-15                  | 3     |                 |                |                               |                                 |
| 5764          | EVB Mezzanine (Zone A2) - (Reb. Fix + Concreting)> CH4875-CH4900               | 14       | 09-Sep-15   | 24-Sep-15                  | 3     |                 |                |                               |                                 |
| 784           | EVB Mezzanine (Zone B1) - Partition Wall (Reb. Fix + Concreting)> CH4900-CH492 | 14       | 25-Sep-15   | 13-Oct-15                  | 3     |                 |                |                               |                                 |
|               | ver Tunnel Ch 4932-5149  | 17       | 20 000 10   | 10 000 10                  | 0     |                 |                |                               |                                 |
| 2.3 - ELS     |  |          |             |                            |       |                 |                |                               |                                 |
| 10400         | Tunnel Bay 1 & 2 Duct room wall steam  | 7        | 13-Mar-15 A | 27-May-15                  | 27    |                 | Tu             | nnel Bay 1 & 2 Duct room w    | all steam                       |
| 192           | Pump Sump E - Storm Water Room Collection                                      | 7        | 20-May-15   | 27-May-15                  | 27    |                 |                | mp Sump E - Storm Water       |                                 |
| .2.4 - Tunnel | · ·  | 1        | 20-Way-13   | 27 Way 13                  | 21    |                 |                |                               |                                 |
| 24-2535       | Waterproof Top Slab Bay 1 to Bay 4   | 0        | 16-Apr-15 A | 17-Apr-15 A                |       | Bay 1 to Bay 4  |                |                               |                                 |
|               | Miscellaneous Works  | -        |             |                            |       | ,, .            |                |                               |                                 |
| 25-2882       | Backfill above Tunnel Structure Bay 1 to Bay 4                                 | 0        | 18-Apr-15 A | 26-Apr-15 A                |       | ve Tunnel Struc | ure Bay 1 to B |                               |                                 |
| 525-2900      | Tunnel Roadside/Profile Barrier (excl vent bldg)                               | 3        | 05-Aug-14 A | •                          | 31    |                 |                | Roadside/Profile Barrier (exc | l vent blda)                    |
| 25-2940       | Backfill above Tunnel Structure Bay 5 to Bay 9                                 | 0        | 0           | 17-Mar-15 A                |       |                 |                |                               |                                 |
| 10410         | Paving Bay 13 - 5  | 0        | 16-Feb-15 A | 19-Mar-15 A                |       |                 |                |                               |                                 |
| 10420         | Paving Bay 4 - 1   | 2        | 27-Apr-15 A | 22-May-15                  | 44    |                 | Paving B       | av 4 - 1                      |                                 |
| 10430         | Drainage Bay 13 - 5  | 0        | 23-Feb-15 A | 16-Mar-15 A                |       |                 |                |                               |                                 |
| 0440          | Drainage Bay 4 - 1   | 0        | 20-Apr-15 A | 27-Apr-15 A                |       | Bay 4 - 1       |                |                               |                                 |
| 0450          | Provisioning of Carwash Machine - Temp FEHD                                    | 0        | 08-Apr-15 A | 22-Apr-15 A                |       | Carwash Machin  | a - Tomp FEH   | ח                             |                                 |
| 0450          | Road & Carpark Marking - Temp. FEHD  | 0        | 18-Mar-15 A | 22-Apr-15 A<br>29-Mar-15 A |       |                 |                |                               |                                 |
| 0400          | Lighting - Temp FEHD   | 0        |             | 31-Mar-15 A                |       |                 |                |                               |                                 |
|               | Portal Wall at top of tunnel   | -        |             |                            |       |                 |                |                               |                                 |
| 10480         |  | 0        |             | 25-Feb-15 A                |       |                 | Turnel Celes   |                               |                                 |
| 10527         | Remove Tunnel Falseworks Bay 14-21   | 0        | 20-Mar-15 A | 12-May-15 A                | 07    | Remov           |                | works Bay 14-21               | D. Mart David                   |
| 10589.2       | Remedial Works - Bay 9 OHVD - WestBound  | 7        | 20-May-15   | 27-May-15                  | 27    |                 |                | emedial Works - Bay 9 OHV     |                                 |
| 10589.6       | Remedial Works - Concrete Repair Works / Trim overbreak Concrete Etc, Honeycon | 7        | 09-Mar-15 A | 27-May-15                  | 27    |                 |                |                               | epair Works / Trim overbreak    |
| 10589.6.7     | Remedial Works - Sealing off Water Leakage at D-Wall                           | 7        |             | 27-May-15                  | 27    |                 |                | emedial Works - Sealing off \ |                                 |
| 10589.8       | Waterproofing of D-Walls Bay 1-13  | 7        | 20-May-15   | 27-May-15                  | 27    |                 |                | aterproofing of D-Walls Bay   |                                 |
| 10589.9       | Waterproofing of D-Walls Bay 14-21   | 7        | 20-May-15   | 27-May-15                  | 27    |                 |                | aterproofing of D-Walls Bay   |                                 |
| 10590         | Complete Remaining work at C/C Tunnel  | 0        |             | 27-May-15                  | 27    |                 | ♦ Co           | mplete Remaining work at      | C/C Tunnel                      |
| - SECTIOI     | N 3 OF THE WORKS   |          |             |                            |       |                 |                |                               |                                 |
| Demolitie     |  |          |             | Contract                   |       | 2000/40         | •              |                               |                                 |
| -             | Level of Effort  Milestone   |          | (           | Contract                   | ПΥ/2  | 2009/19         |                |                               |                                 |
| Actual Level  |  |          |             | <b>D</b>                   | 100   | Mar 0047        |                | ~~ 004 5                      |                                 |
| Actual Wor    |  | onths    | Kolling I   | rogram                     | (20   | May 2015        | ) - 19 Au      | ig 2015)                      |                                 |
|               | 10/ort/  |          |             |                            |       |                 |                |                               | 1                               |
| Remaining     | naining Work   |          |             |                            |       |                 |                |                               |                                 |

| ,          |        |        |          |            | gust                 |           | mber       |
|------------|--------|--------|----------|------------|----------------------|-----------|------------|
| 19         | 2      | 6      | 02       | 09         | 16                   | 23        | 30         |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
| APS & Tu   | innel  |        |          |            |                      |           |            |
| AF 3 & T   |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
| B & ID >   | Bay 1  | 4-16   |          |            |                      |           |            |
| gh Portion |        |        | Bay 16   | -19        |                      |           |            |
| Cable Tr   | ouah   | Portic | on IB &  | ID > Bay   | / 19-21              |           |            |
| ofile Barr | ier an | d Cat  | ole Troi | iah Porti  | y 19-21<br>on IVIIIB | & IXB     |            |
|            |        |        |          | =\/R Bas   | ement (7             | (a, b, b) | - Partitio |
|            |        |        |          |            | ement (Z             |           | (Zono /    |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           | B Baser    |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      | EVB M     | ezzanin    |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
| Concrete   | Etc,⊢  | loney  | coms/la  | iitance, e | etc.                 |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |
|            |        |        |          |            |                      |           |            |

Page 4 of 14

| ctivity ID A                          | Activity Name  |                                |          | Start       | Finish      | Total |                                     |                 |            |        | here a             |           |          | 2015        |            |
|---------------------------------------|--|--------------------------------|----------|-------------|-------------|-------|-------------------------------------|-----------------|------------|--------|--------------------|-----------|----------|-------------|------------|
|                                       |  |                                | Duration |             |             | Float | May<br>3 10                         | 17 24           | 31         | 0      | June<br>7   14     | 21        | 28       | 05          | July<br>12 |
| 06.2 - Box Culvert I                  | U1   |                                |          |             |             |       |                                     |                 |            |        | , [ 1 <del>1</del> | [ 21      | 20       |             | 12         |
|                                       | n-Situ Testing of Drainage Pipe  |                                | 0        | 19-Jan-15 A | 20-Apr-15 A |       | Drainage Pipe                       |                 |            |        |                    |           |          |             |            |
| 06.3 - Admin Buildi                   | ing  |                                |          |             |             |       |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > L2-N6) - Blinding of Cap & Grnd  | l. Beam                        | 2        | 02-Jul-15   | 04-Jul-15   | 27    |                                     |                 |            |        |                    |           |          | Grd. Be     | eam - (G   |
|                                       | Grd. Beam - (GL > L2-N6) - Install Capping Plate + v                                     |                                | 5        | 04-Jul-15   | 10-Jul-15   | 27    |                                     |                 |            |        |                    |           |          |             | Grd. Be    |
|                                       | Grd. Beam - (GL > L2-N6) - Reb Fix + Forworks (Gr  |                                | 13       | 10-Jul-15   | 25-Jul-15   | 27    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > L2-N6) - Reb Fix + Forworks (Gr  | • •                            | 9        | 25-Jul-15   | 05-Aug-15   | 27    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > L2-N6) - Concreting (Grd. Beam   | 17                             | 1        | 05-Aug-15   | 06-Aug-15   | 27    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > L2-N6) - Formworks, sheet-Pile   |                                | 4        | 06-Aug-15   | 11-Aug-15   | 27    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > G2-K6) - Rebar Fixing (Grd. Bea  |                                | 0        | 03-Mar-15 A |             |       | r Fixing (Grd. Be                   | am & Pile (     | Cap)       |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > G2-K6) - Erect Formworks (Grd.   |                                | 0        | 07-Apr-15 A | 12-Apr-15 A |       | - Erect Formwo                      |                 |            | Con    |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > G2-K6) - Concreting (Grd. Beam   | .,                             | 0        | 13-Apr-15 A | 13-Apr-15 A |       | ) - Concreting (                    | rd Beam         | & Pile Can | )      |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > G2-K6) - Backfill  |                                | 0        | 14-Apr-15 A | 30-Apr-15 A |       | ) - Concreting (0<br>Beam - (GL > G | 2-K6) - Ba      | ckfill     |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > A1-B6) - Install Capping Plate   |                                | 0        | 06-Mar-15 A | · ·         |       |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > A1-B6) - (Grd. Beam & Pile Cap   | ) + Formworks Part 1           | 0        | 22-Mar-15 A |             |       | -B6) - (Grd. Be                     | am & Pila (     | Con) I Eor | rmwor  | ke Dort 1          |           |          |             |            |
|                                       | Grd. Beam - (GL > A1-B6) - (Grd. Beam & Pile Cap)  | ,                              | 0        | 17-Apr-15 A | 28-Apr-15 A |       | am - (GL > A1-B                     | alli of lie (   | 200m 8 Dil |        |                    | orke Port | <br>ว    |             |            |
|                                       | Grd. Beam - (GL > A1-B6) - (Grd. Beam & Pile Cap)<br>Grd. Beam - (GL > A1-B6) - Backfill | + FOIMWOIKS Part 2             | -        |             |             |       | am - (GL > AT-B                     | o) - (Giù. E    |            | le Cap | ) + FOIMW          | INKS Part | 2        |             |            |
|                                       |  |                                | 0        | 18-Apr-15 A | 09-May-15 A |       | Grd. Beam                           | - (GL > A1      | -B6) - Bac | CKTIII |                    |           |          |             |            |
|                                       | Srd. Beam - (GL > C1-F2) - Drive Sheet-Pile Coppe  |                                | 14       | 19-Jun-15   | 08-Jul-15   | 23    |                                     |                 |            |        |                    |           |          | Gr          | rd. Bean   |
|                                       | Grd. Beam - (GL > C1-F2) - Excavate G.L to +1.0ml  | 0                              | 6        | 08-Jul-15   | 15-Jul-15   | 23    |                                     |                 |            |        |                    |           |          |             | G          |
|                                       | Grd. Beam - (GL > C1-F2) - Excavate Pile-Cap B.L t                                       | to -0.7mPD and Cast Vert/Hor E |          | 15-Jul-15   | 18-Jul-15   | 23    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > C1-F2) - Install Capping Plate   |                                | 6        | 18-Jul-15   | 25-Jul-15   | 23    |                                     |                 |            |        |                    |           |          |             | ]          |
|                                       | Grd. Beam - (GL > C1-F2) - Beam Blinding Layer   |                                | 3        | 25-Jul-15   | 29-Jul-15   | 23    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > C1-F2) - Rebar Fixing (Grd. Bea  |                                | 8        | 29-Jul-15   | 07-Aug-15   | 23    |                                     |                 |            |        |                    |           |          |             |            |
| 0630-3119.97 G                        | Grd. Beam - (GL > C1-F2) - Concreting (Grd. Beam   | & Pile Cap)                    | 1        | 07-Aug-15   | 08-Aug-15   | 23    |                                     |                 |            |        |                    |           |          |             |            |
| 0630-3119.98 G                        | Grd. Beam - (GL > C1-F2) - Formworks, Sheet-Pile   | Removal and Backfill           | 6        | 08-Aug-15   | 15-Aug-15   | 23    |                                     |                 |            |        |                    |           |          |             |            |
| 0630-3121.49 G                        | Grd. Beam - (GL > P3-R6) - Back Fill   |                                | 0        | 07-Feb-15 A | 06-Mar-15 A |       |                                     |                 |            |        |                    |           |          |             |            |
| 0630-3121.57.11 G                     | Grd. Beam - (GL > B2-C6) - Excavate to formation le                                      | evel                           | 9        | 09-Jun-15   | 19-Jun-15   | 42    |                                     |                 |            |        |                    | Grd. Be   | eam - (G | GL > B2-C6  | 6) - Exca  |
| 0630-3121.57.12 G                     | Grd. Beam - (GL > B2-C6) - Install Capping Plate   |                                | 7        | 19-Jun-15   | 29-Jun-15   | 42    |                                     |                 |            |        |                    |           | Gro      | J. Beam - / | (GL > B    |
| 0630-3121.57.13 G                     | Grd. Beam - (GL > B2-C6) - Cast Beam Blinding La   | yer                            | 1        | 29-Jun-15   | 30-Jun-15   | 42    |                                     |                 |            |        |                    |           | G        | rd. Beam -  | (GL > 6    |
| 0630-3121.57.14 G                     | Grd. Beam - (GL > B2-C6) - Rebar Fixing for Beam   |                                | 7        | 30-Jun-15   | 09-Jul-15   | 42    |                                     |                 |            |        |                    |           |          | G           | rd. Bea    |
| 0630-3121.57.15 G                     | Grd. Beam - (GL > B2-C6) - Erect Formworks for B   | eam                            | 7        | 09-Jul-15   | 17-Jul-15   | 42    |                                     |                 |            |        |                    |           |          |             |            |
| 0630-3121.57.16 G                     | Grd. Beam - (GL > B2-C6) - Cast Concrete for Bea   | m                              | 3        | 17-Jul-15   | 21-Jul-15   | 42    |                                     |                 |            |        |                    |           |          |             |            |
| 0630-3121.57.17 G                     | Grd. Beam - (GL > B2-C6) - Formworks, sheet-Pile   | Removal and Backfill           | 3        | 21-Jul-15   | 24-Jul-15   | 42    |                                     |                 |            |        |                    |           |          |             |            |
| 0630-3121.57.21 G                     | Grd. Beam - (GL > F-G) - Excavate to formation level                                     | el                             | 9        | 19-Jun-15   | 02-Jul-15   | 33    |                                     |                 |            |        |                    |           |          | Grd. Bear   | m - (GL    |
|                                       | Grd. Beam - (GL > F-G) - Install Capping Plate   |                                | 7        | 02-Jul-15   | 10-Jul-15   | 33    |                                     |                 |            |        |                    |           |          |             | Grd. Be    |
|                                       | Grd. Beam - (GL > F-G) - Cast Beam Blinding Laye   | r                              | 1        | 10-Jul-15   | 11-Jul-15   | 33    |                                     |                 |            |        |                    |           |          |             | Grd. B     |
|                                       | Grd. Beam - (GL > F-G) - Rebar Fixing for Beam   |                                | 7        | 11-Jul-15   | 20-Jul-15   | 33    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > F-G) - Erect Formworks for Bea   | m                              | 7        | 20-Jul-15   | 28-Jul-15   | 33    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > F-G) - Cast Concrete for Beam  |                                | 3        | 28-Jul-15   | 31-Jul-15   | 33    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > F-G) - Formworks, sheet-Pile R   | emoval and Backfill            | 3        | 31-Jul-15   | 04-Aug-15   | 33    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > K-L) - Excavate to formation level                                     |                                | 9        | 02-Jul-15   | 13-Jul-15   | 24    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > K-L) - Install Capping Plate   |                                | 7        | 13-Jul-15   | 21-Jul-15   | 24    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer  |                                | 1        | 21-Jul-15   | 22-Jul-15   | 24    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Srd. Beam - (GL > K-L) - Rebar Fixing for Beam   |                                | 7        | 21-Jul-15   | 30-Jul-15   | 24    |                                     |                 |            |        |                    |           |          |             |            |
|                                       |  | ~                              | 7        | 30-Jul-15   |             |       |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > K-L) - Erect Formworks for Bear  |                                |          |             | 07-Aug-15   | 24    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > K-L) - Cast Concrete for Beam  | and the state                  | 3        | 07-Aug-15   | 11-Aug-15   | 24    |                                     |                 |            |        |                    |           |          |             |            |
|                                       | Grd. Beam - (GL > K-L) - Formworks, sheet-Pile R   | emoval and Backfill            | 3        | 11-Aug-15   | 14-Aug-15   | 24    |                                     |                 |            |        |                    |           |          |             |            |
| 08 - SECTION 5<br>08.1 - Retaining Wa |  |                                |          |             |             |       |                                     |                 |            |        |                    |           |          |             |            |
| Remaining Leve                        |  |                                |          |             | Contract    |       | 2000/10                             | •               |            |        |                    |           |          |             |            |
| Actual Level of E                     |  |                                |          |             | Juniaul     |       |                                     |                 |            |        |                    |           |          | I           |            |
|                                       |  | <b>3</b> M.                    | nth a    |             | Drogram     | 1 20  | May 204                             | . 40            | A~ ^       | 04 5   | :\                 |           |          | I           |            |
| Actual Work                           | de la  | 3 MC                           | ontris   | Rolling     | rogram      | (20   | May 2015                            | ) - 19 <i>1</i> | ug 2       | 015    | )                  |           |          | I           |            |
| Remaining Wor                         |  |                                |          |             |             |       |                                     |                 |            |        |                    |           |          | I           |            |
| Critical Remainin                     | ing vvork  |                                |          |             |             |       |                                     |                 |            |        |                    |           |          | 1           |            |

| / August mber  |
|--|
|  |
|  |
|  |
|  |
|  |
|  |
| GL > L2-N6) - Blinding of Cap & Grnd. Beam   |
| eam - (GL > L2-N6) - Install Capping Plate + weld Test   |
|  |
| Grd. Beam - (GL > L2-N6) - Reb Fix + Forworks  |
| Grd. Beam - (GL > L2-N6) - Reb F   |
|  |
| □ Grd. Beam - (GL > L2-N6) - Conc  |
| Grd. Beam - (GL > L2-N6) -   |
| ······   |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
| am - (GL > C1-F2) - Drive Sheet-Pile Copperdam - Stage 2 (   |
|  |
| Grd. Beam - (GL > C1-F2) - Excavate G.L to +1.0mPD and ir  |
| Grd. Beam - (GL > C1-F2) - Excavate Pile-Cap B.L to -0.  |
| Grd. Beam - (GL > C1-F2) - Install Capping Plate   |
|  |
| Grd. Beam - (GL > C1-F2) - Beam Blinding   |
| Grd. Beam - (GL > C1-F2) - Reb   |
|  |
| □ Grd. Beam - (GL > C1-F2) - Co  |
|  |
| Grd. Beam - (GL > C1-  |
| Grd. Beam - (GL > C1   |
|  |
| Grd. Beam - (GL > C1-  |
| cavate to formation level  |
| cavate to formation level<br>B2-C6) - Install Capping Plate  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>- B2-C6) - Cast Beam Blinding Layer   |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>- B2-C6) - Cast Beam Blinding Layer   |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>eam - (GL > B2-C6) - Rebar Fixing for Beam   |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>eam - (GL > B2-C6) - Rebar Fixing for Beam<br>  Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>eam - (GL > B2-C6) - Rebar Fixing for Beam<br>  Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>eam - (GL > B2-C6) - Rebar Fixing for Beam<br>Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam   |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>eam - (GL > B2-C6) - Rebar Fixing for Beam<br>I Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Formworks, sheet-P  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>eam - (GL > B2-C6) - Rebar Fixing for Beam<br>Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam   |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>cam - (GL > B2-C6) - Rebar Fixing for Beam<br>I Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>bam - (GL > B2-C6) - Rebar Fixing for Beam<br>[ Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>[ Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>[ Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>beam - (GL > F-G) - Install Capping Plate   |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>:am - (GL > B2-C6) - Rebar Fixing for Beam<br>I Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>am - (GL > B2-C6) - Rebar Fixing for Beam<br>Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>team - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>cam - (GL > B2-C6) - Rebar Fixing for Beam<br>I Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>team - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer<br>Grd. Beam - (GL > F-G) - Rebar Fixing for Beam   |
| <ul> <li>cavate to formation level</li> <li>B2-C6) - Install Capping Plate</li> <li>B2-C6) - Cast Beam Blinding Layer</li> <li>bam - (GL &gt; B2-C6) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Erect Formworks for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Cast Concrete for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Formworks, sheet-P</li> <li>L &gt; F-G) - Excavate to formation level</li> <li>beam - (GL &gt; F-G) - Install Capping Plate</li> <li>Beam - (GL &gt; F-G) - Cast Beam Blinding Layer</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> </ul>  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>cam - (GL > B2-C6) - Rebar Fixing for Beam<br>I Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>team - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer<br>Grd. Beam - (GL > F-G) - Rebar Fixing for Beam   |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>tam - (GL > B2-C6) - Rebar Fixing for Beam<br>Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>the seam - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer<br>Grd. Beam - (GL > F-G) - Rebar Fixing for Beam<br>Grd. Beam - (GL > F-G) - Erect Formworks<br>Grd. Beam - (GL > F-G) - Cast Concrete  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>>B2-C6) - Cast Beam Blinding Layer<br>Pam - (GL > B2-C6) - Rebar Fixing for Beam<br>Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>Paeam - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer<br>Grd. Beam - (GL > F-G) - Rebar Fixing for Beam<br>Grd. Beam - (GL > F-G) - Rebar Fixing for Beam<br>Grd. Beam - (GL > F-G) - Cast Concrete<br>Grd. Beam - (GL > F-G) - Cast Concrete<br>Grd. Beam - (GL > F-G) - Cast Concrete   |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>tam - (GL > B2-C6) - Rebar Fixing for Beam<br>Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>the seam - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer<br>Grd. Beam - (GL > F-G) - Rebar Fixing for Beam<br>Grd. Beam - (GL > F-G) - Erect Formworks<br>Grd. Beam - (GL > F-G) - Cast Concrete  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>cam - (GL > B2-C6) - Rebar Fixing for Beam<br>[] Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>[] Grd. Beam - (GL > B2-C6) - Cast Concrete for Bearr<br>[] Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>team - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > F-G) - Rebar Fixing for Beam<br>[] Grd. Beam - (GL > F-G) - Erect Formworks<br>[] Grd. Beam - (GL > F-G) - Cast Concrete<br>[] Grd. Beam - (GL > F-G) - Cast Concrete<br>[] Grd. Beam - (GL > F-G) - Formwor<br>d. Beam - (GL > K-L) - Excavate to formation level   |
| <ul> <li>cavate to formation level</li> <li>B2-C6) - Install Capping Plate</li> <li>&gt;B2-C6) - Cast Beam Blinding Layer</li> <li>bam - (GL &gt; B2-C6) - Rebar Fixing for Beam</li> <li>I Grd. Beam - (GL &gt; B2-C6) - Erect Formworks for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Cast Concrete for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Formworks, sheet-P</li> <li>L &gt; F-G) - Excavate to formation level</li> <li>beam - (GL &gt; F-G) - Install Capping Plate</li> <li>Beam - (GL &gt; F-G) - Cast Beam Blinding Layer</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Formworks</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Formwor</li> </ul>   |
| <ul> <li>cavate to formation level</li> <li>B2-C6) - Install Capping Plate</li> <li>&gt;B2-C6) - Cast Beam Blinding Layer</li> <li>sam - (GL &gt; B2-C6) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Erect Formworks for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Cast Concrete for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Cast Concrete for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Formworks, sheet-P</li> <li>L &gt; F-G) - Excavate to formation level</li> <li>Beam - (GL &gt; F-G) - Install Capping Plate</li> <li>Beam - (GL &gt; F-G) - Cast Beam Blinding Layer</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Formworks</li> </ul>   |
| <ul> <li>cavate to formation level</li> <li>B2-C6) - Install Capping Plate</li> <li>&gt;B2-C6) - Cast Beam Blinding Layer</li> <li>sam - (GL &gt; B2-C6) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Erect Formworks for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Cast Concrete for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Cast Concrete for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Formworks, sheet-P</li> <li>L &gt; F-G) - Excavate to formation level</li> <li>Beam - (GL &gt; F-G) - Install Capping Plate</li> <li>Beam - (GL &gt; F-G) - Cast Beam Blinding Layer</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Formworks</li> </ul>   |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>>B2-C6) - Cast Beam Blinding Layer<br>am - (GL > B2-C6) - Rebar Fixing for Beam<br>Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>team - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer<br>Grd. Beam - (GL > F-G) - Rebar Fixing for Beam<br>Grd. Beam - (GL > F-G) - Erect Formworks<br>Grd. Beam - (GL > F-G) - Erect Formworks<br>Grd. Beam - (GL > F-G) - Cast Concrete<br>Grd. Beam - (GL > F-G) - Formwor<br>d. Beam - (GL > K-L) - Excavate to formation level<br>Grd. Beam - (GL > K-L) - Install Capping Plate<br>Grd. Beam - (GL > K-L) - Install Capping Plate<br>Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer  |
| <ul> <li>cavate to formation level</li> <li>B2-C6) - Install Capping Plate</li> <li>&gt;B2-C6) - Cast Beam Blinding Layer</li> <li>sam - (GL &gt; B2-C6) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Erect Formworks for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Cast Concrete for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Cast Concrete for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Formworks, sheet-P</li> <li>L &gt; F-G) - Excavate to formation level</li> <li>Beam - (GL &gt; F-G) - Install Capping Plate</li> <li>Beam - (GL &gt; F-G) - Cast Beam Blinding Layer</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Formworks</li> </ul>   |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>>B2-C6) - Cast Beam Blinding Layer<br>am - (GL > B2-C6) - Rebar Fixing for Beam<br>Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>team - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer<br>Grd. Beam - (GL > F-G) - Rebar Fixing for Beam<br>Grd. Beam - (GL > F-G) - Erect Formworks<br>Grd. Beam - (GL > F-G) - Erect Formworks<br>Grd. Beam - (GL > F-G) - Cast Concrete<br>Grd. Beam - (GL > F-G) - Formwor<br>d. Beam - (GL > K-L) - Excavate to formation level<br>Grd. Beam - (GL > K-L) - Install Capping Plate<br>Grd. Beam - (GL > K-L) - Install Capping Plate<br>Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>bam - (GL > B2-C6) - Rebar Fixing for Beam<br>[] Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>[] Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>[] Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>[] Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>Beam - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > F-G) - Rebar Fixing for Beam<br>[] Grd. Beam - (GL > F-G) - Cast Concrete<br>[] Grd. Beam - (GL > F-G) - Cast Concrete<br>[] Grd. Beam - (GL > F-G) - Cast Concrete<br>[] Grd. Beam - (GL > F-G) - Formwork<br>d. Beam - (GL > K-L) - Excavate to formation level<br>[] Grd. Beam - (GL > K-L) - Install Capping Plate<br>[] Grd. Beam - (GL > K-L) - Install Capping Plate<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam |
| <ul> <li>cavate to formation level</li> <li>B2-C6) - Install Capping Plate</li> <li>&gt;B2-C6) - Cast Beam Blinding Layer</li> <li>bam - (GL &gt; B2-C6) - Rebar Fixing for Beam</li> <li>I Grd. Beam - (GL &gt; B2-C6) - Erect Formworks for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Cast Concrete for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Cast Concrete for Beam</li> <li>Grd. Beam - (GL &gt; B2-C6) - Formworks, sheet-P</li> <li>L &gt; F-G) - Excavate to formation level</li> <li>beam - (GL &gt; F-G) - Install Capping Plate</li> <li>Beam - (GL &gt; F-G) - Cast Beam Blinding Layer</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; F-G) - Rebar Fixing for Beam</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; F-G) - Formworks</li> <li>Grd. Beam - (GL &gt; F-G) - Cast Concrete</li> <li>Grd. Beam - (GL &gt; K-L) - Install Capping Plate</li> <li>Grd. Beam - (GL &gt; K-L) - Install Capping Plate</li> <li>Grd. Beam - (GL &gt; K-L) - Install Capping Plate</li> <li>Grd. Beam - (GL &gt; K-L) - Cast Beam Blinding Layer</li> <li>Grd. Beam - (GL &gt; K-L) - Cast Beam Blinding Layer</li> <li>Grd. Beam - (GL &gt; K-L) - Cast Beam Blinding Layer</li> </ul>  |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>bam - (GL > B2-C6) - Rebar Fixing for Beam<br>[] Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>[] Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>[] Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>[] Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>Beam - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > F-G) - Rebar Fixing for Beam<br>[] Grd. Beam - (GL > F-G) - Cast Concrete<br>[] Grd. Beam - (GL > F-G) - Cast Concrete<br>[] Grd. Beam - (GL > F-G) - Cast Concrete<br>[] Grd. Beam - (GL > F-G) - Formwork<br>d. Beam - (GL > K-L) - Excavate to formation level<br>[] Grd. Beam - (GL > K-L) - Install Capping Plate<br>[] Grd. Beam - (GL > K-L) - Install Capping Plate<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam |
| cavate to formation level<br>B2-C6) - Install Capping Plate<br>> B2-C6) - Cast Beam Blinding Layer<br>bam - (GL > B2-C6) - Rebar Fixing for Beam<br>[] Grd. Beam - (GL > B2-C6) - Erect Formworks for Beam<br>[] Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>[] Grd. Beam - (GL > B2-C6) - Cast Concrete for Beam<br>[] Grd. Beam - (GL > B2-C6) - Formworks, sheet-P<br>L > F-G) - Excavate to formation level<br>Beam - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Install Capping Plate<br>Beam - (GL > F-G) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > F-G) - Rebar Fixing for Beam<br>[] Grd. Beam - (GL > F-G) - Cast Concrete<br>[] Grd. Beam - (GL > F-G) - Cast Concrete<br>[] Grd. Beam - (GL > F-G) - Cast Concrete<br>[] Grd. Beam - (GL > F-G) - Formwork<br>d. Beam - (GL > K-L) - Excavate to formation level<br>[] Grd. Beam - (GL > K-L) - Install Capping Plate<br>[] Grd. Beam - (GL > K-L) - Install Capping Plate<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam - (GL > K-L) - Cast Beam Blinding Layer<br>[] Grd. Beam |

Page 5 of 14

| A7672         F           A7673         F           A7740.1         F           A7740.2         F           A7740.3         F | Retaining Wall F Pre-Bored H-Pile - H - Beam + Grout > BS40a<br>Retaining Wall F Pre-Bored H-Pile - H - Beam + Grout > BS40b<br>Retaining Wall F Pre-Bored H-Pile - H - Beam + Grout > BS41a | Duration<br>0 | 07-Feb-15 A | 04-Mar-15 A     | Float    | May<br>3   10   1                      | 7 24   | 31 (   | June<br>17 [ 14 | 21 28 | 05         | July<br>12 |
|---|--|---------------|-------------|-----------------|----------|--|--------|--------|-----------------|-------|------------|------------|
| A7672         F           A7673         F           A7740.1         F           A7740.2         F           A7740.3         F | Retaining Wall F Pre-Bored H-Pile - H - Beam + Grout > BS40b   |               | 07-Feb-15A  | 04 Mar 15 A     |          |  |        |        |                 |       |            |            |
| A7673         F           A7740.1         F           A7740.2         F           A7740.3         F                           | -  | 0             |             | 04-1VIAI - 15 A |          |  |        |        |                 |       |            |            |
| A7740.1 F<br>A7740.2 F<br>A7740.3 F   | Retaining Wall F Pre-Bored H-Pile - H - Beam + Grout > BS41a   | Ŭ             | 30-Jan-15 A | 06-Mar-15 A     |          |  |        |        |                 |       |            |            |
| A7740.2 F<br>A7740.3 F  |  | 0             | 04-Feb-15 A | 06-Mar-15 A     |          |  |        |        |                 |       |            |            |
| A7740.3 F   | Retaining Wall F Pre-Bored H-Pile - H - Installing H-Pile > BS45a  | 0             | 31-Dec-14 A | 24-Feb-15 A     |          |  |        |        |                 |       |            |            |
|   | Retaining Wall F Pre-Bored H-Pile - H - Extract H-Pile due to Collapse of soil >   | BS4 0         | 25-Feb-15 A | 03-Mar-15 A     |          | > BS45a                                |        |        |                 |       |            |            |
| A7740.4 ŀ   | Retaining Wall F Pre-Bored H-Pile - H - Grout plug > BS45a   | 0             | 04-Mar-15 A | 06-Mar-15 A     |          |  |        |        |                 |       |            |            |
|   | Retaining Wall F Pre-Bored H-Pile - H - Beam + Grout > BS45a   | 0             | 06-Mar-15 A | 26-Mar-15 A     |          | Grout > BS45a                          |        |        |                 |       |            |            |
| A7791 F   | Retaining Wall F Pre Bored - H > Pile Testing  | 18            | 27-Oct-15   | 16-Nov-15       | 138      |  |        |        |                 |       |            |            |
| A7792.1 0   | Construction of pile cap for Retaining Wall F $>$ C4-1   | 8             | 17-Nov-15   | 25-Nov-15       | 138      |  |        |        |                 |       |            |            |
| A7792.2 0   | Construction of pile cap for Retaining Wall F > C4-2   | 8             | 26-Nov-15   | 04-Dec-15       | 138      |  |        |        |                 |       |            |            |
| A7792.3 0   | Construction of pile cap for Retaining Wall F > C5-1   | 8             | 05-Dec-15   | 14-Dec-15       | 138      |  |        |        |                 |       |            |            |
| A7792.4 0   | Construction of pile cap for Retaining Wall F > C5-2   | 8             | 15-Dec-15   | 23-Dec-15       | 138      |  |        |        |                 |       |            |            |
| A7792.5 0   | Construction of pile cap for Retaining Wall F > C5-3   | 8             | 24-Dec-15   | 04-Jan-16       | 138      |  |        |        |                 |       |            |            |
| A7792.6 0   | Construction of pile cap for Retaining Wall F > C5-4   | 8             | 05-Jan-16   | 13-Jan-16       | 138      |  |        |        |                 |       |            |            |
| A7800 0   | Complete Pre-Bored H-Pile > Retaining Wall   | 0             |             | 26-Mar-15 A     |          |  |        |        |                 |       |            |            |
| 09 - SECTION 6  | OF THE WORKS   |               |             |                 |          |  |        |        |                 |       |            |            |
| 09.2 - Westbound  | - Pier 26-27   |               |             |                 |          |  |        |        |                 |       |            |            |
| 0920-2110 F   | Pier 26-2 Pre-Bored H-Piles  | 0             | 07-Feb-15 A | 24-Mar-15 A     |          |  |        |        |                 |       |            |            |
| 0920-2111 F   | Pier 26-1 Pre-Bored H-Piles  | 0             | 09-Mar-15 A | 25-Mar-15 A     |          |  |        |        |                 |       |            |            |
| 0920-2150 F   | Pier 27 Prepare C.J. and Modify Tie Beam   | 18            | 25-Jul-15   | 14-Aug-15       | 51       |  |        |        |                 |       |            |            |
| 0920-2160 F   | Pier 27 Construct Pier/Column  | 18            | 15-Aug-15   | 04-Sep-15       | 51       |  |        |        |                 |       |            |            |
| 0920-2180 F   | Pier 26 Prepare C.J. + Drill in Re-bar + Modify Pilecap  | 18            | 14-Aug-15   | 03-Sep-15       | 35       |  |        |        |                 |       |            |            |
| 10 - SECTION X  | OF THE WORKS   |               |             |                 |          |  |        |        |                 |       |            |            |
| 10.1 - E/B Bridges  | (Bridge D, E and F)  |               |             |                 |          |  |        |        |                 |       |            |            |
| 10.1.1 - Marine Pier  | r Construction   |               |             |                 |          |  |        |        |                 |       |            |            |
| Pier F01 to F02   |  |               |             |                 |          |  |        |        |                 |       |            |            |
| 1011-2900 F   | F1B Pier/Column Construction   | 12            | 20-May-15   | 02-Jun-15       | 116      |  |        |        | er/Column Co    |       |            |            |
| 1011-2910 F   | F1B Crosshead Construction   | 18            | 03-Jun-15   | 24-Jun-15       | 116      |  |        |        |                 |       | osshead Co | nstructio  |
| 1011-2930 E   | Bearing installation pier F1B/F2B  | 12            | 25-Jun-15   | 09-Jul-15       | 116      |  |        |        |                 |       |            | Bearing i  |
| 10.1.3 - E/B Bridge   | Construction   |               |             |                 |          |  |        |        |                 |       |            |            |
| All E/B Bridges (C  | Common)  |               |             |                 |          |  |        |        |                 |       |            |            |
| 1013-1720 F   | Permanent Noise Barrier Type B1 E/B Bridge Ch 962-1059 (132m)  | 0             | 02-Dec-14 A | 09-Mar-15 A     |          |  |        |        |                 |       |            |            |
| 1013-1730 F   | Permanent Noise Barrier Type A1 E/B Bridge Ch 826-962 (136m)   | 0             | 05-Dec-14 A | 17-Mar-15 A     |          | 136m)                                  |        |        |                 |       |            |            |
| 1013-1730.1   | Green Panel Installation   | 0             | 12-Nov-14 A | 28-Mar-15 A     |          |  |        |        |                 |       |            |            |
| A7621 F   | Remaining E/B Bridges Bitumin Paving Works + Marking - Bridge D1 & D2  | 0             | 18-Mar-15 A | 19-Mar-15 A     |          | <ul> <li>Bridge D1 &amp; D2</li> </ul> |        |        |                 |       |            |            |
|   | Hing Fat Slip Road   |               |             |                 |          |  |        |        |                 |       |            |            |
| Pier Construction   |  |               |             |                 |          |  |        |        |                 |       |            |            |
|   | Bridge E (Pier E3) - Pile Cap + Pier Const.  | 14            | 17-Aug-15   | 01-Sep-15       | 16       |  |        |        |                 |       |            |            |
| Bridge Construct  |  |               |             | - · · ·         |          |  |        |        |                 |       |            |            |
|   | Bridge E (Pier 18-19) - Rebar Fix > Diaphragm + Slab + Pipe install  | 0             |             | 26-Feb-15 A     |          |  |        |        |                 |       |            |            |
|   | Bridge E (Pier 18-19) - Formworks > Slab   | 0             |             | 26-Feb-15 A     |          |  |        |        |                 |       |            |            |
|   | Bridge E (Pier 18-19) - Concreting > Diaphram + Slab   | 0             |             | 27-Feb-15 A     |          |  |        |        |                 |       |            |            |
|   | Bridge E (Pier 18-19) - Stitching > Reb. Fix + Concretin   | 0             |             | 16-Mar-15 A     |          |  |        |        |                 |       |            |            |
|   | Bridge E (Pier 17 - 18) - Rebar Fix > Diaphragm + Slab + Pipe install  | 0             |             | 02-Mar-15 A     |          |  |        |        |                 |       |            |            |
|   | Bridge E (Pier 17 - 18) - Formworks > Slab   | 0             | 02-Mar-15 A |                 |          |  |        |        |                 |       |            |            |
|   | Bridge E (Pier 17 - 18) - Concreting > Diaphram + Slab   | 0             |             | 03-Mar-15 A     |          |  |        |        |                 |       |            |            |
|   | Bridge E (Pier 17 - 18) - Stitching > Reb. Fix + Concretin   | 0             |             | 16-Mar-15 A     |          |  |        |        |                 |       |            |            |
|   | Bridge E (Pier 19 - D1) - Rebar Fix > Diaphragm + Slab + Pipe install  | 0             |             | 07-Mar-15 A     |          |  |        |        |                 |       |            |            |
| A9460 E   | Bridge E (Pier 19 - D1) - Formworks > Slab   | 0             | 07-Mar-15 A | 07-Mar-15 A     |          |  |        |        |                 |       |            |            |
| Remaining Lev   | vel of Effort   Milestone  |               | (           | Contract        | HY/2     | 2009/19                                |        |        |                 |       |            |            |
| Actual Level of   | Effort   |               |             |                 |          |  |        |        |                 |       |            |            |
| Actual Work   | 3  | Months        | Rollina I   | Program         | ( 20     | May 2015                               | - 19 A | ug 201 | 5)              |       |            |            |
| Remaining Wo  |  |               | - 5 -       | 5               | <b>`</b> | <i>y</i>                               |        | 0      | ,               |       |            |            |
| •   | ning Work  |               |             |                 |          |  |        |        |                 |       |            |            |

| ,                  |           |           | Δι | aust        |         | mber    |
|--------------------|-----------|-----------|----|-------------|---------|---------|
| 19                 | 26        | 02        | 09 | igust<br>16 | 23      | 30      |
|                    |           |           |    | L           |         | · · · · |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    | Pier 27     | Prepare | C.J. an |
|                    |           |           | [  |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
| ion                |           |           |    |             |         |         |
| ion<br>installatio | n pier F1 | B/F2B     |    |             |         |         |
|                    | -         |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         | 📕 Br    |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    |           |           |    |             |         |         |
|                    | Рас       | ge 6 of 1 | 4  |             |         |         |
|                    | - 42      |           |    |             |         |         |
|                    |           |           |    |             |         |         |

| /ity ID           | Activity Name  |                            | temaining Start F | Finish      | Total       | May         |             |                |             |           |            |           |            | 015              |
|-------------------|--|----------------------------|-------------------|-------------|-------------|-------------|-------------|----------------|-------------|-----------|------------|-----------|------------|------------------|
|                   |  |                            | on                |             | Float       | 3 10        | ,           | 24             | 31          | 07        | June<br>14 | 21        | 28         | Jul<br>05 12     |
| A9470             | Bridge E (Pier 19 - D1) - Concreting > Diaphram + Sl   | ab 0                       | 09-Mar-15 A       | 09-Mar-15 A |             |             |             | L              | L           | -         | L          | L         | L          |                  |
| A9472             | Bridge E (Pier E1 - D1) - Temporary L3 Parapet Raili   | ngs 0                      | 18-Feb-15 A       | 13-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
| A9500             | Bridge E (Pier 16 - 19) - Lightings                    | 0                          | 24-Feb-15 A       | 23-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
| A9510             | Bridge E (Pier 17 - 19) - MJ                           | 0                          | 18-Mar-15 A       | 22-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
| A9520             | Bridge E (Pier 17 - 19) - install pre-cast Parapet     | 0                          | 06-Mar-15 A       | 18-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
| A9521             | Bridge E (Pier 17 - 19) - Instatall L3 Railing/Parapet | 0                          | 18-Mar-15 A       | 23-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
| A9540             | Bridge E (Pier 17 - D1) - Drainage Gully               | 0                          | 16-Mar-15 A       | 21-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
| A9560             | Bridge E (Pier 19 - D1) - Parapet                      | 14                         | 20-May-15         | 04-Jun-15   | 764         |             |             |                |             | Bridge    | E (Pier 1  | 9 - D1) - | Parapet    |                  |
| A9561             | Bridge E (Pier 19 - D1) - Noise Barrier > Post + Pane  | l 14                       | 05-Jun-15         | 22-Jun-15   | 764         |             |             |                |             |           |            | Brid      | dge E (Pie | er 19 - D1) - No |
| A9570             | Bridge E (Pier 19 - D1) - Green Panel Installation     | 2                          | 23-Jun-15         | 25-Jun-15   | 764         |             |             |                |             |           |            |           | Bridge E ( | Pier 19 - D1) -  |
| A9590             | Bridge E (Pier D1) - MJ                                | 0                          | 17-Mar-15 A       | 21-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
| A9600             | Bridge E (Pier 17 - D1) - Asphalting                   | 0                          | 23-Mar-15 A       | 26-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
| A9610             | Bridge E (Pier 17 - D1) - Road Marking                 | 0                          | 27-Mar-15 A       | 27-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
| A9620             | Bridge E (Pier 17 - D1) - Signage                      | 0                          | 26-Mar-15 A       | 27-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
|                   | jes (Bridge C and F)                                   | -                          |                   |             | 1           |             |             |                |             |           |            |           |            |                  |
| 10.2.1 - Pier Con |  |                            |                   |             |             |             |             |                |             |           |            |           |            |                  |
| Pier 38 to 43     |  |                            |                   |             |             |             |             |                |             |           |            |           |            |                  |
| 1021-1250         | Pier 42 (F7C) Prepare C.J. at Existing Pile Cap        | 11                         | 08-Aug-15         | 20-Aug-15   | 137         |             |             |                |             |           |            |           |            |                  |
| 1021-1280         | Pier 43 (F8C) Prepare C.J. at Existing Pile Cap        | 11                         | 01-Aug-15         | 13-Aug-15   | 155         |             |             |                |             |           |            |           |            |                  |
| Pier 28           |  |                            | 01-Aug-13         | 13-Aug-13   | 133         |             |             |                |             |           |            |           |            |                  |
| 1021-1112         | Pier 28 Prepare C.J. and Modify Tie Beam               | 18                         | 06-Jul-15         | 25-Jul-15   | 0           |             |             |                |             |           |            |           |            |                  |
| 1021-1112         | Pier 28 Construct Pier/Column                          | 18                         |                   |             | 0           |             |             |                |             |           |            |           |            |                  |
|                   | Pier 28 Construct Pier/Column                          | 18                         | 27-Jul-15         | 15-Aug-15   | 0           |             |             |                |             |           |            |           |            |                  |
| Abutment D12      | Construct Abutes and D40 Evicting W/D & E/D Drives     | Europy Dared Dile (4 page) | 42 Mar 45 /       | 40 Mar 45 A |             | Dave d Dile |             |                |             |           |            |           |            |                  |
| A10720            | Construct Abutment D12 Existing W/B & E/B Bridge -     | . ,                        | 13-Mar-15 /       |             |             | Bored Pile  |             |                |             |           |            |           |            |                  |
| A10730            | Construct Abutment D12 W/B Bridge - Prepare CJ         | 0                          |                   | 07-Apr-15 A |             | lge - Prep  |             |                |             |           |            |           |            |                  |
| A10740            | Construct Abutment D12 - Construct Abut D12 Pile C     | ap + Backfill 0            | 08-Apr-15 A       | 21-Apr-15 A |             | ent D12 -   | Construc    | ct Abut D12    | 2 Pile Ca   | p + Back  | dill       |           |            |                  |
| Pier 20 to 25     |  |                            |                   |             | - 10        |             |             |                | <u></u>     |           |            |           |            |                  |
| 1021-1019         | Pier 23-1 Pre-Bored H-Piles                            | 14                         | -                 | 04-Jun-15   | 49          |             |             | <u></u>        |             |           | -1 Pre-Bo  |           |            |                  |
| 1021-1020         | Pier 23-2 Pre Bored H-Piles                            | 14                         | 25-May-15         | 09-Jun-15   | 48          |             |             |                |             |           | 9ier 23-2  |           |            |                  |
| 1021-1030         | Pier 23 Bored Pile Testing                             | 12                         | 10-Jun-15         | 24-Jun-15   | 99          |             |             |                |             |           |            | F         | Pier 23 Bo | red Pile Testing |
| A7230             | Pier 25 Prepare C.J. and Modify Tie Beam               | 18                         | 03-Sep-15         | 23-Sep-15   | 48          |             |             |                |             |           |            |           |            |                  |
| 10.2.2 - Bridge C | Construction   |                            |                   |             |             |             |             |                |             |           |            |           |            |                  |
| Bridge C4         |  | <u> </u>                   |                   |             |             |             |             |                |             |           |            |           |            |                  |
| 1022-1081.0       | Bridge C4 Erect Pier Segment (1no.) at Piers 31 By C   |                            | 20-Aug-15         | 26-Aug-15   | 54          |             |             |                |             |           |            |           |            |                  |
| 1022-1090.7       | Bridge C4 Erect Pier Segment (1no.) at Piers 29 By C   |                            | 30-Jul-15         | 05-Aug-15   | 42          |             |             |                |             |           |            |           |            |                  |
| 1022-1090.8       | Bridge C4 Erect Pier Segment (1no.)at Piers 30 By C    | rane 1                     | 10-Aug-15         | 11-Aug-15   | 37          |             |             |                |             |           |            |           |            |                  |
| All W/B Bridges   | s (Common)   |                            |                   |             |             |             |             |                |             |           |            |           |            |                  |
| A11770            | Decommissioning of Exis. Fire mains & Fire Hyd. at M   | leddian Barrier 0          | 16-Mar-15 A       | 27-Mar-15 A |             | . at Medd   | ian Barrie  | er             |             |           |            |           |            |                  |
| A11780            | Installation of New Fire Mains                         | 0                          | 16-Mar-15 A       | 27-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
| A11790            | Install Temporary Lighting at Existing E/B Bridge      | 0                          | 16-Mar-15 A       | 19-Mar-15 A |             |             |             |                |             |           |            |           |            |                  |
| A11800            | Installation of Temporary L3 Barrier                   | 0                          | 19-Mar-15 A       | 18-Apr-15 A |             | rary L3 Ba  | arrier      |                |             |           |            |           |            |                  |
| A11810            | Install Traffic Signage                                | 0                          | 15-Apr-15 A       | 18-Apr-15 A |             | e           |             |                |             |           |            |           |            |                  |
| A12960            | Saw - Cutting of Slab at W/B Bridge (Pier 28-29)       | 0                          | 11-May-15 /       | 16-May-15 A |             |             | Saw         | - Cutting of   | of Slab at  | W/B Br    | idge ( Pie | er 28-29) |            |                  |
| A12960.1          | Saw - Cutting of Slab at W/B Bridge (Pier 29-30)       | 1                          | 17-May-15         |             | 24          |             |             | Saw - Cu       | utting of S | Slab at V | V/B Bridg  | e (Pier 2 | 9-30)      |                  |
| A12960.2          | Saw - Cutting of Slab at W/B Bridge (Pier 32-33)       | 3                          | 21-May-15         | 23-May-15   | 24          |             |             | Saw ·          |             |           |            |           |            |                  |
| A12960.3          | Saw - Cutting of Slab at W/B Bridge (Pier 33-34)       | 3                          | 25-May-15         | 27-May-15   | 24          |             |             |                |             |           |            |           | e (Pier 33 |                  |
| A12960.4          | Saw - Cutting of Slab at W/B Bridge (Pier 30-31)       | 3                          | 28-May-15         | 30-May-15   | 24          |             |             |                |             |           |            |           | idge ( Pie |                  |
| A12960.5          | Saw - Cutting of Slab at W/B Bridge (Pier 31-32)       | 3                          | 01-Jun-15         | 03-Jun-15   | 31          |             |             |                |             |           |            |           |            | ( Pier 31-32)    |
| A12980            | Saw - Cutting Meddian Barrier ( Pier 28-29)            | 0                          | 05-May-15         |             | 01          |             | aw - Out    | tting Medd     |             |           |            |           |            | (11010102)       |
|                   |  | 0                          | 00-1vidy-107      |             |             |             | <b>U</b> ll |                |             |           | 20 20)     |           |            |                  |
| Remaining L       | Level of Effort   Milestone                            |                            |                   | Contract    | HY/         | 2009/1      | 9           |                |             |           |            |           |            |                  |
| Actual Level      |  |                            |                   |             |             |             | -           |                |             |           |            |           |            |                  |
| Actual Work       |  | 3 Months                   | Rolling           | Program     | ( 20        | May 2       | 015         | - 10 A         | 11u 3       | 015\      |            |           |            |                  |
| Remaining V       |  |                            | , itoning         | i i ografii | <b>ι 20</b> |             | .013        | - 1 <i>3 P</i> | uy z        | 515)      |            |           |            |                  |
|                   |  |                            |                   |             |             |             |             |                |             |           |            |           |            |                  |

| ,          | August     |           |           |            |            |            |  |  |  |
|------------|------------|-----------|-----------|------------|------------|------------|--|--|--|
| 19         | 26         | 02        | 09        | gusi<br>16 | 23         | mber<br>30 |  |  |  |
|            |            | L         |           | L          |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            | <b>D</b>   | Devel     |           |            |            |            |  |  |  |
| se Barrier |            |           |           |            |            |            |  |  |  |
| Green Par  | nel Instal | lation    |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           | F          | Pier 42 (F | 7C) Pr     |  |  |  |
|            | [          |           |           | Pier 43 (I | -8C) Pre   | pare C.    |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            | Pier 28    | 3 Prepar  | e C.J. ar | nd Modify  | Tie Bea    | m          |  |  |  |
|            |            |           |           | Pier 28    | Constru    | ict Pier/( |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            | <u></u>    |           |           |            |            | ridge C4   |  |  |  |
|            |            | Br        |           | Erect Pie  |            |            |  |  |  |
|            |            |           | 🔲 Brio    | dge C4 E   | rect Pier  | Segme      |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |
|            | Do         | ge 7 of 1 | 4         |            |            |            |  |  |  |
|            | гd         | 50 / 01 1 | т         |            |            |            |  |  |  |
|            |            |           |           |            |            |            |  |  |  |

| ty ID             | Activity Name  | lemainin<br>Duration |             | Finish      | Total<br>Float | May                |               | June                              | 2015<br>July               |
|-------------------|--|----------------------|-------------|-------------|----------------|--------------------|---------------|-----------------------------------|----------------------------|
|                   |  | Duration             |             |             | FIDal          |                    | 7 24          | 31 07 14 21                       | 28 05 12                   |
| A12990            | Saw - Cutting Meddian Barrier (Pier 29-30)   | 0                    | 05-May-15 A | 11-May-15 A |                | Saw - C            | utting Meddia | an Barrier (Pier 29-30)           |                            |
| A12990.1          | Saw - Cutting Meddian Barrier (Pier 30-31)   | 0                    | 12-May-15 A | 18-May-15 A |                |                    | Saw - Cutting | Meddian Barrier (Pier 30-31)      |                            |
| A12990.2          | Saw - Cutting Meddian Barrier (Pier 31-32)   | 6                    | 19-May-15 A | 26-May-15   | 38             |                    | Sa Sa         | w - Cutting Meddian Barrier (Pier | 31-32)                     |
| A13000            | Saw - Cutting Meddian Barrier ( Pier 32-33)  | 6                    | 27-May-15   | 02-Jun-15   | 67             |                    |               | Saw - Cutting Meddian Barr        | ier ( Pier 32-33)          |
| A13010            | Saw - Cutting Meddian Barrier ( Pier 33-34)  | 6                    | 27-May-15   | 02-Jun-15   | 69             |                    |               | Saw - Cutting Meddian Barr        | ier ( Pier 33-34)          |
| A13040            | Saw - Cutting Parapet (Pier 28-29)   | 0                    | 08-May-15 A | 11-May-15 A |                | Saw - Cu           | tting Parape  |                                   |                            |
| A13050            | Saw - Cutting Parapet ( Pier 29-30)  | 0                    | 12-May-15 A | 15-May-15 A |                | 💻 Sav              | - Cutting Pa  | rapet ( Pier 29-30)               |                            |
| A13050.1          | Saw - Cutting Parapet ( Pier 30-31)  | 0                    | 16-May-15 A | 19-May-15 A |                |                    | Saw - Cuttir  | ng Parapet ( Pier 30-31)          |                            |
| A13050.2          | Saw - Cutting Parapet ( Pier 31-32)  | 5                    | 20-May-15   | 25-May-15   | 39             |                    | Sav           | / - Cutting Parapet ( Pier 31-32) |                            |
| A13060            | Saw - Cutting Parapet ( Pier 32-33)  | 5                    | 26-May-15   | 30-May-15   | 66             |                    |               | Saw - Cutting Parapet ( Pier 32   | -33)                       |
| A13070            | Saw - Cutting Parapet ( Pier 33-34)  | 5                    | 01-Jun-15   | 05-Jun-15   | 66             |                    |               | Saw - Cutting Parapet (           | Pier 33-34)                |
| A8060             | Saw Cutting/Opening of Median Barrier at Existing W/B bridge > (Pier 15-21 & 44-4) | 0                    | 16-Mar-15 A | 12-Apr-15 A |                | dian Barrier at E  | isting W/B b  | ridge > (Pier 15-21 & 44-49)      |                            |
| A8060.1           | Complete Demolition of Median Barrier at Existing W/B bridge > (Pier 15-21 & 44-49 | 0                    | 30-Mar-15 A | 15-Apr-15 A |                | Median Barrier a   | Existing W/I  | 3 bridge > (Pier 15-21 & 44-49)   |                            |
| A8061             | Opening of Median Barrier > (Pier 15-21 & 44-49) - Paving + Rd. marking            | 0                    | 11-Apr-15 A | 18-Apr-15 A |                | Barrier > (Pier 15 | 21 & 44-49)   | - Paving + Rd. marking            |                            |
| A8061.1           | Install Precast Barrier > (Pier 15-21 & 44-49)                                     | 0                    | 13-Apr-15 A | 18-Apr-15 A |                | r > (Pier 15-21 8  |               |                                   |                            |
| A8061.2           | Saw - Cutting of Slab at W/B Bridge (Pier 26-44) - Along Meddian Beams - Part 1    | 0                    | 15-Nov-14 A | 13-Apr-15 A |                | /B Bridge ( Pier 2 | 6-44) - Alon  | g Meddian Beams - Part 1          |                            |
|                   | idge (Bridge F)  | •                    |             | 107.107.1   |                | /                  |               |                                   |                            |
| 10.3.1 - Pier Con |  |                      |             |             |                |                    |               |                                   |                            |
| Abutment D12      |  |                      |             |             |                |                    |               |                                   |                            |
| 1031-1058         | Abut D12 (Approach Ramp Area) - Reb Fix + Concrete Pour 3                          | 0                    | 27-Dec-14 A | 22-Apr-15 A |                | oach Ramp Area     | ) - Reb Fix + | Concrete Pour 3                   |                            |
| A14460            | Complete ABUT D12 at Middle Bridge   | 45                   | 20-May-15   | 13-Jul-15   | 63             |                    |               |                                   | Con                        |
| 0.4 - Bridge De   |  |                      |             |             |                |                    |               |                                   |                            |
|                   | W/B Bridge (Part 1)  |                      |             |             |                |                    |               |                                   |                            |
| A11840            | Demolish W/B Bridge Deck Pier 28-29 (7 beams) > by Crane                           | 0                    | 12-May-15 A | 19-May-15 A |                |                    | Demolish W    | /B Bridge Deck Pier 28-29 (7 bear | ns) > by Crane             |
| A11850            | Demolish W/B Bridge Deck Pier 29-30 (7 beams) > by Crane                           | 5                    | 21-May-15   | 27-May-15   | 23             |                    |               | emolish W/B Bridge Deck Pier 29-  |                            |
| A11860            | Demolish W/B Bridge Pier 29  | 4                    | 27-May-15   | 01-Jun-15   | 23             |                    |               | Demolish W/B Bridge Pier 29       |                            |
| A11860.0          | Demolish W/B Bridge Deck Pier 30-31 (7 beams) > by Crane                           | 5                    | 01-Jun-15   | 06-Jun-15   | 23             |                    |               | Demolial W/B Blidge Fiel 23       | Deck Pier 30-31 (7 beams)  |
| A11860.01         | Demolish W/B Bridge Pier 30  | 4                    | 01-Jun-15   | 11-Jun-15   | 23             |                    |               | Demolish W/B Bridge L             |                            |
|                   | ,  | -                    |             |             |                |                    |               |                                   |                            |
| A11860.02         | Demolish W/B Bridge Deck Pier 31-32 (7 beams) > by Crane                           | 5                    | 11-Jun-15   | 17-Jun-15   | 24             |                    |               |                                   | W/B Bridge Deck Pier 31-   |
| A11860.03         | Demolish W/B Bridge Pier 31  | 4                    | 17-Jun-15   | 23-Jun-15   | 24             |                    |               |                                   | emolish W/B Bridge Pier 31 |
| A11860.04         | Demolish W/B Bridge Deck Pier 32-33 (7 beams) > by Crane                           | 5                    | 23-Jun-15   | 29-Jun-15   | 50             |                    |               |                                   | Demolish W/B Bridge        |
| A11860.05         | Demolish W/B Bridge Pier 32  | 4                    | 29-Jun-15   | 04-Jul-15   | 50             |                    |               | <u></u>                           | Demolish W/B               |
| A11860.2          | Demolish W/B Bridge Deck Pier 33-34 (7 beams) > by Crane                           | 5                    | 25-Jun-15   | 02-Jul-15   | 50             |                    |               |                                   | Demolish W/B Bri           |
| A11860.3          | Demolish W/B Bridge Pier 33  | 4                    | 02-Jul-15   | 07-Jul-15   | 50             |                    |               |                                   | Demolish W                 |
| A11860.4          | Excavate + Demolish W/B Bridge Pier 29 > Pile Cap                                  | 7                    | 01-Jun-15   | 09-Jun-15   | 42             |                    |               | Excavate + Demolis                |                            |
| A11960            | Construct W/B Bridge Pier 29 > Pile Cap  | 7                    | 09-Jun-15   | 17-Jun-15   | 42             |                    |               | Construct                         | W/B Bridge Pier 29 > Pile  |
| A11970            | Construct W/B Bridge Pier 29 > Column  | 10                   | 17-Jun-15   | 30-Jun-15   | 42             |                    |               |                                   | Construct W/B Bridg        |
| A11980            | Construct W/B Bridge Pier 29 > Rebar Fixing - Crosshead                            | 14                   | 30-Jun-15   | 17-Jul-15   | 42             |                    |               |                                   |                            |
| A11980.1          | Construct W/B Bridge Pier 29 > Formworks + Concreting - Crosshead                  | 6                    | 17-Jul-15   | 24-Jul-15   | 42             |                    |               |                                   |                            |
| A11990            | Construct W/B Bridge Pier 29 > Bearring  | 5                    | 24-Jul-15   | 30-Jul-15   | 42             |                    |               |                                   |                            |
| A12000            | Excavate + Demolish W/B Bridge Pier 30 > Pile Cap                                  | 7                    | 11-Jun-15   | 19-Jun-15   | 23             |                    |               | Excava                            | te + Demolish W/B Bridge   |
| A12010            | Construct W/B Bridge Pier 30 > Pile Cap  | 7                    | 19-Jun-15   | 29-Jun-15   | 37             |                    |               |                                   | Construct W/B Bridge       |
| A12020            | Construct W/B Bridge Pier 30 > Column  | 10                   | 29-Jun-15   | 11-Jul-15   | 37             |                    |               |                                   | Constr                     |
| A12030            | Construct W/B Bridge Pier 30 > Rebar Fixing - Crosshead                            | 14                   | 11-Jul-15   | 28-Jul-15   | 37             |                    |               |                                   |                            |
| A12040            | Construct W/B Bridge Pier 30 > Formworks + Concreting - Crosshead                  | 6                    | 28-Jul-15   | 04-Aug-15   | 37             |                    |               |                                   |                            |
| A12050            | Construct W/B Bridge Pier 30 > Bearring  | 5                    | 04-Aug-15   | 10-Aug-15   | 37             |                    |               |                                   |                            |
| A12070            | Excavate + Demolish W/B Bridge Pier 31 > Pile Cap                                  | 7                    | 23-Jun-15   | 02-Jul-15   | 24             |                    |               |                                   | Excavate + Demo            |
| A12080            | Construct W/B Bridge Pier 31 > Pile Cap  | 7                    | 02-Jul-15   | 10-Jul-15   | 54             |                    |               |                                   | Constru                    |
| A12090            | Construct W/B Bridge Pier 31 > Column  | 10                   | 10-Jul-15   | 22-Jul-15   | 54             |                    |               |                                   |                            |
|                   | -  |                      |             |             |                |                    |               |                                   |                            |
| Remaining L       | Level of Effort   Milestone  |                      | (           | Contract    | HY/2           | 2009/19            |               |                                   |                            |
| Actual Level      |  |                      |             |             |                |                    |               |                                   |                            |
| Actual Work       | 3 Mc   | onths                | Rolling I   | Program     | (20            | May 2015           | - 19 A        | ug 2015)                          |                            |
| Remaining V       |  |                      |             | Ŭ           | •              |                    |               | - ,                               |                            |
|                   |  |                      |             |             |                |                    |               |                                   |                            |

| 1          |      |         |          | Δι               | igust     |           | mber      |
|------------|------|---------|----------|------------------|-----------|-----------|-----------|
| 19         |      | 26      | 02       | 09               | 16        | 23        | 30        |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
| mplete A   | BU   | Γ D12   | at Midd  | lle Bridge       |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |
| ) > by Cr  | ane  | •       |          |                  |           |           |           |
| 22 (7 bc   |      | c > b   | Crone    |                  |           |           |           |
| -32 (7 be  |      | 5) > 0  |          | ,                |           |           |           |
|            | Pier | 32-33   | (7 beau  | ms) > by C       | rane      |           |           |
| Bridge F   |      |         | (1 500   |                  |           |           |           |
|            |      |         | -34 (7   | beams) >         | by Crane  | <br>Э     |           |
| N/B Brid   | ge I | Pier 33 |          |                  |           |           |           |
| ile Cap    |      |         |          |                  |           |           |           |
| e Cap      |      |         |          |                  |           |           |           |
| lge Pier 2 |      |         |          |                  |           |           |           |
| Constr     | uct  | W/B E   | Bridge F | 9 ier 29 > R     | ebar Fix  | ing - Cro | sshead    |
|            | С    | onstru  | ct W/B   | Bridge Pie       | er 29 > F | ormwork   | s + Con   |
| ]          |      |         | Constru  | ict W/B Br       | idge Pier | r 29 > Be | arring    |
| e Pier 30  |      |         |          |                  |           |           |           |
| e Pier 30  |      |         |          |                  |           |           |           |
| truct W/E  | B Br |         |          | > Column         |           |           |           |
|            |      |         |          | W/B Bridg        |           |           |           |
|            |      |         |          | onstruct V       |           |           |           |
|            | 2 D- | idao -  | Dior 21  | Con Con Pile Cap |           | /B Bridge | : Pier 30 |
|            |      |         |          |                  |           |           |           |
| uct W/B    |      |         |          | idge Pier :      | 31 > Coli | ımn       |           |
|            |      |         |          |                  |           |           |           |
|            |      |         |          |                  |           |           |           |

Page 8 of 14

| /ity ID   | Activity Name  | temaining Start                                       |             | Finish      | Total |                                       |                   |                |                 |              | 2015             |  |
|-----------|--|---|-------------|-------------|-------|---------------------------------------|-------------------|----------------|-----------------|--------------|------------------|--|
|           |  | Duration  |             |             | Float | May<br>3 10 1                         | 7 24 3            | 31 07          | June<br>14 21   | 28           | Ju<br>05 12      |  |
| A12100    | Construct W/B Bridge Pier 31 > Rebar Fixing - Crosshead                          | 14  | 22-Jul-15   | 07-Aug-15   | 54    |                                       |                   |                |                 | 20           | 00 12            |  |
| A12110    | Construct W/B Bridge Pier 31 > Formworks + Concreting - Crosshead                | 6   | 07-Aug-15   | 14-Aug-15   | 54    |                                       |                   |                |                 |              |                  |  |
| A12120    | Construct W/B Bridge Pier 31 > Bearring  | 5   | 14-Aug-15   | 20-Aug-15   | 54    |                                       |                   |                |                 |              |                  |  |
| A12130    | Excavate + Demolish W/B Bridge Pier 32 > Pile Cap                                | 7   | 04-Jul-15   | 13-Jul-15   | 50    |                                       |                   |                |                 |              | E                |  |
| A12140    | Construct W/B Bridge Pier 32 > Pile Cap  | 7   | 13-Jul-15   | 21-Jul-15   | 50    |                                       |                   |                |                 |              |                  |  |
| A12150    | Construct W/B Bridge Pier 32 > Column  | 10  | 21-Jul-15   | 01-Aug-15   | 50    |                                       |                   |                |                 |              |                  |  |
| A12160    | Construct W/B Bridge Pier 32 > Rebar Fixing - Crosshead                          | 14  | 01-Aug-15   | 18-Aug-15   | 50    |                                       |                   |                |                 |              |                  |  |
| A12170    | Construct W/B Bridge Pier 32 > Formworks + Concreting - Crosshead                | 6   | 18-Aug-15   | 25-Aug-15   | 50    |                                       |                   |                |                 |              |                  |  |
| A12180    | Construct W/B Bridge Pier 32 > Bearring  | 5   | 25-Aug-15   | 31-Aug-15   | 50    |                                       |                   |                |                 |              |                  |  |
| A12190    | Excavate + Demolish W/B Bridge Pier 33 > Pile Cap                                | 7   | 07-Jul-15   | 15-Jul-15   | 50    |                                       |                   |                |                 |              |                  |  |
| A12200    | Construct W/B Bridge Pier 33 > Pile Cap  | 7   | 15-Jul-15   | 23-Jul-15   | 50    |                                       |                   |                |                 |              |                  |  |
| A12210    | Construct W/B Bridge Pier 33 > Column  | 10  | 23-Jul-15   | 04-Aug-15   | 50    |                                       |                   |                |                 |              |                  |  |
| A12210    | Construct W/B Bridge Pier 33 > Rebar Fixing - Crosshead                          | 14  | 04-Aug-15   | 20-Aug-15   | 50    |                                       |                   |                |                 |              |                  |  |
| A12220    | Construct W/B Bridge Pier 33 > Formworks + Concreting - Crosshead                | 6   | 20-Aug-15   | 3           | 50    |                                       |                   |                |                 |              |                  |  |
| A12230    |  | 3   |             | 27-Aug-15   | 50    |                                       |                   |                |                 |              |                  |  |
|           | Construct W/B Bridge Pier 33 > Bearring  | -   | 27-Aug-15   | 31-Aug-15   |       |                                       |                   |                | Do Acombio (    | Crone D of   | Diar 06 07       |  |
| A12240.1  | Re-Asemble Crane B at Pier 26-27   | 8   | 04-Jun-15   | 12-Jun-15   | 0     |                                       |                   |                | Re-Asemble      |              |                  |  |
| A12250    | Saw Cutting W/B Bridge Deck Pier 27-28   | 8   | 04-Jun-15   | 12-Jun-15   | 0     |                                       |                   |                | Saw Cutting \   | <b>č</b>     | Deck Pier 27-    |  |
| A12260    | Demolish W/B Bridge Deck Pier 27-28 (7 beams) > by Crane B                       | 9   | 13-Jun-15   | 24-Jun-15   | 0     |                                       |                   | ا<br>          |                 | Demolish     |                  |  |
| A12270    | Demolish W/B Bridge Pier 28 > Column > by Crane C                                | 8   | 25-Jun-15   | 04-Jul-15   | 0     |                                       |                   |                |                 |              | Demolish W       |  |
| A12280    | Saw Cutting W/B Bridge Deck Pier 26-27   | 8   | 25-Jun-15   | 04-Jul-15   | 0     |                                       |                   |                |                 |              | Saw Cutting      |  |
| A12290    | Demolish W/B Bridge Deck Pier 26-27 (7 beams) > by Crane B                       | 9   | 06-Jul-15   | 15-Jul-15   | 0     |                                       |                   |                |                 |              |                  |  |
| A12300    | Demolish W/B Bridge Pier 27 > Column > by Crane C                                | 8   | 16-Jul-15   | 24-Jul-15   | 51    |                                       |                   |                |                 |              |                  |  |
| A12310    | Saw Cutting W/B Bridge Deck Pier 25-26   | 8   | 16-Jul-15   | 24-Jul-15   | 0     |                                       |                   |                |                 |              |                  |  |
| A12320    | Demolish W/B Bridge Deck Pier 25-26 (7 beams) > by Crane B                       | 9   | 25-Jul-15   | 04-Aug-15   | 0     |                                       |                   |                |                 |              |                  |  |
| A12330    | Demolish W/B Bridge Pier 26 > Column > by Crane C                                | 8   | 05-Aug-15   | 13-Aug-15   | 35    |                                       |                   |                |                 |              |                  |  |
| A12340    | Saw Cutting W/B Bridge Deck Pier 24-25   | 8   | 05-Aug-15   | 13-Aug-15   | 0     |                                       |                   |                |                 |              |                  |  |
| A12350    | Demolish W/B Bridge Deck Pier 24-25 (7 beams) > by Crane B                       | 9   | 14-Aug-15   | 24-Aug-15   | 0     |                                       |                   |                |                 |              |                  |  |
| A12360    | Demolish W/B Bridge Pier 25 > Column > by Crane C                                | 8   | 25-Aug-15   | 02-Sep-15   | 48    |                                       |                   |                |                 |              |                  |  |
| A12370    | Saw Cutting W/B Bridge Deck Pier 23-24   | 8   | 25-Aug-15   | 02-Sep-15   | 0     |                                       |                   |                |                 |              |                  |  |
| A12380    | Demolish W/B Bridge Deck Pier 23-24 (7 beams) > by Crane B                       | 9   | 03-Sep-15   | 12-Sep-15   | 0     |                                       |                   |                |                 |              |                  |  |
| A12390    | Demolish W/B Bridge Pier 24 > Column > by Crane C                                | 8   | 14-Sep-15   | 22-Sep-15   | 31    |                                       |                   |                |                 |              |                  |  |
| A12400    | Saw Cutting W/B Bridge Deck Pier 22-23   | 8   | 14-Sep-15   | 22-Sep-15   | 0     |                                       |                   |                |                 |              |                  |  |
| A12410    | Demolish W/B Bridge Deck Pier 22-23 (7 beams) > by Crane B                       | 9   | 23-Sep-15   | 05-Oct-15   | 0     |                                       |                   |                |                 |              |                  |  |
| A12820    | Erection and Testing 2nos T&C Failed > Pier 29-33                                | 0   | 27-Apr-15 A | 06-May-15 A |       | Erection and Te                       | sting 2nos T&C F  | ailed > Pier 2 | 29-33           |              |                  |  |
| A12820.1  | Erection and Testing 2nos T&C > replacement of Failed 2nos T&C> Pier 29-33       | 0   | 14-May-15 A | 16-May-15 A |       | Ere                                   | ction and Testing | 2nosT&C >      | replacement     | of Failed 2r | nos T&C> Pier    |  |
| A12830    | Remove 6th Beam (1nos) By 2 Cranes> Pier 43-44                                   | 0   | 14-May-15 A |             |       |                                       | ve 6th Beam (1r   |                |                 |              |                  |  |
| A12850    | Remove 6th Beam (2nos) By 2 Cranes > Pier 41-43                                  | 0   | 15-May-15 A | 15-May-15 A |       |                                       | ove 6th Beam (2   |                |                 |              |                  |  |
| A12860    | Remove 6th Beam (2nos) By 2 Cranes > Pier 39-41                                  | 1   | 20-May-15   | 20-May-15   | 0     |                                       | Remove 6th B      |                |                 |              |                  |  |
| A12870    | Remove 6th Beam (2nos) By 2 Cranes > Pier 37-39                                  | 1   | 21-May-15   | 21-May-15   | 0     |                                       | Remove 6th        |                |                 |              | 9                |  |
| A12880    | Remove 5th & 6th Beam (5nos) By 2 Cranes > Pier 34-37                            | 2   | 22-May-15   | 23-May-15   | 0     |                                       | Remove 5          |                |                 |              |                  |  |
| A12940    | Move Crane - A to Pier 43-44 to Erect LG-1                                       | 1   | 25-May-15   | 25-May-15   | 2     |                                       |                   |                | er 43-44 to Ere |              |                  |  |
| A12950    | Dismantle & Move Crane - B to Pier 26-27 to Start Demolition of Deck             | 9   | 25-May-15   | 03-Jun-15   | 0     |                                       |                   |                | & Move Crane    |              | r 26-27 to Star  |  |
| A12350    | Preparation and Tranport LG1 to 41-44  | 7   | 13-May-15 A |             | 0     | · · · · · · · · · · · · · · · · · · · | Prepa             |                | anport LG1 to   |              |                  |  |
| A13160.1  | Erect/Assemble LG1 + T&C > Erect Leg Support At Pier 41-44                       | 4   | 28-May-15   | 01-Jun-15   | 0     |                                       | <sup>.</sup>      |                |                 |              | eg Support At I  |  |
| A13160.1  | Erect/Assemble LG1 + T&C-A > Istall Main Beam/Girder Support - Middle Span at Bi | 8   | 02-Jun-15   |             | 0     |                                       |                   |                |                 |              |                  |  |
|           |  | -   |             | 10-Jun-15   | -     |                                       |                   |                |                 |              | C-A > Istall Mai |  |
| A13160.3  | Erect/Assemble LG1 + T&C-A > Istall Main Beam/Girder Support - End Span at Bay   | 8   | 11-Jun-15   | 19-Jun-15   | 0     |                                       |                   |                |                 |              | LG1 + T&C-A      |  |
| A13160.4  | Erect/Assemble LG1 + T&C-A > Istall Main Beam/Girder Support - End Span at bay   | 8   | 11-Jun-15   | 19-Jun-15   | 0     |                                       |                   |                | Erec            |              | LG1 + T&C-A      |  |
| A13160.5  | Erect/Assemble LG1 + T&C-A > Istall Mounting Support & Cables                    | 4   | 22-Jun-15   | 25-Jun-15   | 0     |                                       |                   |                |                 |              | semble LG1 +     |  |
| A13160.6  | Erect/Assemble LG1 + T&C-A > Istall Miscellaneous Parts & support                | 4   | 26-Jun-15   | 30-Jun-15   | 0     |                                       |                   |                |                 | Er Er        | ect/Assemble I   |  |
| Remaining | g Level of Effort   Milestone  |   |             | Contract    | HY/2  | 2009/19                               |                   |                |                 |              |                  |  |
|           | vel of Effort  |   |             |             |       |                                       |                   |                |                 |              |                  |  |
| Actual Wo |  | 3 Months Rolling Program ( 20 May 2015 - 19 Aug 2015) |             |             |       |                                       |                   |                |                 |              |                  |  |
| Remaining |  | /1113   | . Sund      | rogram      | ( 20  | May 2013                              | is Aug            | 2013)          |                 |              |                  |  |
|           | ,  |   |             |             |       |                                       |                   |                |                 |              |                  |  |

| August mbe  |
|---|
|   |
| Construct W/B Bridge Pier 31 >                            |
| Construct W/B Bridge                                      |
|   |
| Construct W/B   |
| cavate + Demolish W/B Bridge Pier 32 > Pile Cap           |
|   |
| Construct W/B Bridge Pier 32 > Pile Cap                   |
| Construct W/B Bridge Pier 32 > Colum                      |
| Construct W/B Bri   |
|   |
| Construct   |
|   |
| Excavate + Demolish W/B Bridge Pier 33 > Pile Cap         |
|   |
| Construct W/B Bridge Pier 33 > Pile Cap                   |
| Construct W/B Bridge Pier 33 > Co                         |
| Construct W/B   |
|   |
| Constr  |
|   |
|   |
|   |
|   |
| k Pier 27-28 (7 beams) > by Crane B                       |
| · · · · · · · · · · · · · · · · · · ·                     |
| Bridge Pier 28 > Column > by Crane C                      |
| V/B Bridge Deck Pier 26-27                                |
| Demolish W/B Bridge Deck Pier 26-27 (7 beams) > by Cran   |
|   |
| Demolish W/B Bridge Pier 27 > Column > by Cra             |
| Saw Cutting W/B Bridge Deck Pier 25-26                    |
| Demolish W/B Bridge Deck Pier 25                          |
|   |
| Demolish W/B Bridge Pi                                    |
| Saw Cutting W/B Bridge                                    |
|   |
| Demolish \  |
|   |
|   |
|   |
| •••••••••••••••••••••••••••••••••••••••                   |
|   |
|   |
|   |
|   |
|   |
| )-33  |
|   |
|   |
|   |
|   |
|   |
|   |
|   |
|   |
|   |
| Demolition of Deck  |
|   |
| νr Λ1 ΛΛ  |
| er 41-44  |
| Beam/Girder Support - Middle Span at Bay 42 - 43          |
| Istall Main Beam/Girder Support - End Span at Bay 43 - 44 |
|   |
| Istall Main Beam/Girder Support - End Span at bay 41 - 42 |
| &C-A > Istall Mounting Support & Cables                   |
| 1 + T&C-A > Istall Miscellaneous Parts & support          |
|   |
|   |

Page 9 of 14

| ity ID         | Activity Name   |          | in Start                 | Finish      | Total |                    |               |                                  | 2                 | 2015                 |
|----------------|---|----------|--------------------------|-------------|-------|--------------------|---------------|----------------------------------|-------------------|----------------------|
|                |   | Duration |                          |             | Float | May<br>3   10   1  | 7 24          | June<br>31 07 14                 | 21 28             | July<br>05 12        |
| A13160.7       | Demolish W/B Bridge Deck Pier 43 to 44 (5 beams) > by LG1                           | 6        | 02-Jul-15                | 08-Jul-15   | 0     |                    |               |                                  |                   | Demolish V           |
| A13650         | Demolish Temp. W/B Bridge - Deck > Pier 42 to 43 (6 beams)                          | 6        | 09-Jul-15                | 15-Jul-15   | 0     |                    |               |                                  |                   | De                   |
| A13660         | Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 43                              | 14       | 16-Jul-15                | 31-Jul-15   | 0     |                    |               |                                  |                   |                      |
| A13670         | Demolish Temp. W/B Bridge - Deck > Pier 41 to 42 (6 beams)                          | 6        | 25-Jul-15                | 31-Jul-15   | 0     |                    |               |                                  |                   |                      |
| A13680         | Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 42                              | 6        | 01-Aug-15                | 07-Aug-15   | 0     |                    |               |                                  |                   |                      |
| A13690         | Demolish Temp. W/B Bridge - Deck > Pier 40 to 41 (6 beams)                          | 6        | 01-Aug-15                | 07-Aug-15   | 0     |                    |               |                                  |                   |                      |
| 13700          | Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 41                              | 14       | 08-Aug-15                | 24-Aug-15   | 0     |                    |               |                                  |                   |                      |
| A13710         | Demolish Temp. W/B Bridge - Deck > Pier 39 to 40 (6 beams)                          | 6        | 18-Aug-15                | 24-Aug-15   | 0     |                    |               |                                  |                   |                      |
| A13720         | Demolish Temp. W/B Bridge - Crosshead & Pier > Pier 40                              | 6        | 25-Aug-15                | 31-Aug-15   | 0     |                    |               |                                  |                   |                      |
| A13730         | Demolish Temp. W/B Bridge - Deck > Pier 38 to 39 (6 beams)                          | 6        | 25-Aug-15                | 31-Aug-15   | 0     |                    |               |                                  |                   |                      |
| A8079.1        | Pier 28 Erect Falsework at existing W/B Bridge prior to demolition                  | 0        | 23-Aug 15<br>23-Apr-15 A | 30-Apr-15 A | 0     | 8 Froct Folsowo    | k at avicting | g W/B Bridge prior to demolition |                   |                      |
| A8079.11       | Pier 29 Erect Falsework at existing W/B Bridge prior to demolition                  | 0        | 30-Mar-15 A              | 09-Apr-15 A |       | ing W/B Bridge p   |               |                                  |                   |                      |
|                |   |          |                          | · ·         |       | ilig w/b blidge p  |               |                                  |                   |                      |
| 8079.12        | Pier 30 Erect Falsework at existing W/B Bridge prior to demolition                  | 0        |                          | 07-Mar-15 A |       |                    |               |                                  |                   |                      |
| 8079.14        | Pier 32 Erect Falsework at existing W/B Bridge prior to demolition                  | 0        | 13-Apr-15 A              | 27-Apr-15 A |       | rect Falsework a   | existing W/   | /B Bridge prior to demolition    |                   |                      |
| 3079.15        | Pier 33 Erect Falsework at existing W/B Bridge prior to demolition                  | 0        | 11-Mar-15 A              | · ·         |       | ridge prior to de  |               |                                  |                   |                      |
| 3079.16        | Pier 34 Erect Falsework at existing W/B Bridge prior to demolition                  | 0        | 11-Apr-15 A              | 13-Apr-15 A |       | existing W/B Bri   | ge prior to   | demolition                       |                   |                      |
| 8079.18        | Pier 27 Erect Falsework at existing W/B Bridge prior to demolition                  | 0        | 09-Mar-15 A              | 16-Mar-15 A |       | lition             |               |                                  |                   |                      |
| 8079.19        | Pier 26 Erect Falsework at existing W/B Bridge prior to demolition                  | 0        | 04-Mar-15 A              | 09-Mar-15 A |       |                    |               |                                  |                   |                      |
| 079.2          | Pier 25 Erect Falsework at existing W/B Bridge prior to demolition                  | 6        | 20-May-15                | 26-May-15   | 39    |                    | P             | Pier 25 Erect Falsework at exis  | sting W/B Bridge  | e prior to demolitic |
| 8079.21        | Pier 24 Erect Falsework at existing W/B Bridge prior to demolition                  | 6        | 26-May-15                | 01-Jun-15   | 39    |                    |               | Pier 24 Erect Falsewor           | k at existing W/I | B Bridge prior to d  |
| 3079.22        | Pier 23 Erect Falsework at existing W/B Bridge prior to demolition                  | 6        | 01-Jun-15                | 06-Jun-15   | 39    |                    |               | Pier 23 Erect Fal                | sework at existi  | ng W/B Bridge pri    |
| 3079.3         | Pier 22 Erect Falsework at existing W/B Bridge prior to demolition                  | 6        | 06-Jun-15                | 12-Jun-15   | 85    |                    |               | Pier 22 El                       | ect Falsework     | at existing W/B Bri  |
| 4.2 - Existing | E/B Bridge  |          |                          |             |       |                    |               |                                  |                   |                      |
| 2660.1         | Demolition (Pier E4 - Pier E3) - Mobilization and Prep.                             | 3        | 29-Jun-15                | 02-Jul-15   | 16    |                    |               |                                  |                   | Demolition (Pier E   |
| 2660.2         | Demolition (Pier E4 - Pier E3) - Saw-Cut Deck/Slab                                  | 7        | 03-Jul-15                | 10-Jul-15   | 16    |                    |               |                                  |                   | Demoliti             |
| 2660.3         | Demolition (Pier E4 - Pier E3) -Remove Pre-Cast Beam (3nos)                         | 6        | 11-Jul-15                | 17-Jul-15   | 16    |                    |               |                                  |                   |                      |
| 2660.4         | Demolition (Pier E4 - Pier 20) -Saw-Cut Crosshead + Pier(Pier E3)                   | 1        | 18-Jul-15                | 18-Jul-15   | 16    |                    |               |                                  |                   |                      |
| 2660.5         | Demolition (Pier E4 - Pier 20) -Demolish Pile Cap + Pile Trimming(Pier E3)          | 8        | 20-Jul-15                | 28-Jul-15   | 16    |                    |               |                                  |                   |                      |
| 2660.6         | Demolition (TA1 & Pier E4 - Pier E3) > Preparation for Demolition/Saw Cutting, Etc. | 11       | 29-Jun-15                | 11-Jul-15   | 0     |                    |               |                                  |                   | Demoli               |
| 660.7          | Demolition (Pier E4 - Pier E3) > Remove 6 Beams, Crosshead & Pier A3                | 12       | 13-Jul-15                | 25-Jul-15   | 0     |                    |               |                                  |                   |                      |
|                | Demolition (Pier E4 - Pier E3) > Remove 0 Dearns, Clossified & Pier A3              | 12       | 27-Jul-15                | 06-Aug-15   | 0     |                    |               |                                  |                   |                      |
| 2660.8         |   |          |                          | 0           | -     |                    |               |                                  |                   |                      |
| 12660.9        | Demolition (TA1) > Deck & Steel Tower Removal                                       | 14       | 01-Aug-15                | 17-Aug-15   | 18    |                    |               |                                  |                   |                      |
| 12670          | Construction (Pier E4 - Pier E2) > Construct Pile Cap at Pier E3                    | 10       | 07-Aug-15                | 18-Aug-15   | 0     |                    |               |                                  |                   |                      |
| 12680          | Construction (Pier E4 - Pier E2) > Construct Pier E3                                | 10       | 19-Aug-15                | 29-Aug-15   | 0     |                    |               |                                  |                   |                      |
| 12770          | Construction (Pier E4 - Pier E2) > Construct Parapet D1-E2                          | 10       | 18-Aug-15                | 28-Aug-15   | 53    |                    |               |                                  |                   |                      |
| 5 - Temporar   |   |          |                          |             |       |                    |               |                                  |                   |                      |
|                | rry Bridge 'TA'   |          |                          | ,           |       |                    |               |                                  |                   |                      |
| 51-2036        | Temporary Bridge TA1 Removal  | 16       | 29-Jul-15                | 15-Aug-15   | 16    |                    |               |                                  |                   |                      |
| 0750           | TA2-(Pier TA21-22) > Intall Bearing   | 0        | 19-Mar-15 A              | 09-Apr-15 A |       | ring               |               |                                  |                   |                      |
| 0760           | TA2-(Pier TA21-22) > Parapet Removal @ Bridge E                                     | 0        | 25-Mar-15 A              | 30-Mar-15 A |       | Bridge E           |               |                                  |                   |                      |
| 0770           | TA2-(Pier TA21-22) > Main Beam Fabrication (TA21-22) > Batch 1                      | 0        | 31-Mar-15 A              | 08-Apr-15 A |       | h Fabrication (TA  | 21-22) > Ba   | atch 1                           |                   |                      |
| 10780          | TA2-(Pier TA21-22) > Main Beam Erection > Batch 1                                   | 0        | 10-Apr-15 A              | 10-Apr-15 A |       | am Erection > B    | tch 1         |                                  |                   |                      |
| 0790           | TA2-(Pier TA21-22) > Main Beam Fabrication (TA21-22) > Batch 2                      | 0        | 11-Apr-15 A              | 17-Apr-15 A |       | Main Beam Fab      | ication (TA   | 21-22) > Batch 2                 |                   |                      |
| 0080           | TA2-(Pier TA21-22) > Main Beam Erection > Batch 2                                   | 0        | 17-Apr-15 A              | 18-Apr-15 A |       | > Main Beam Ere    |               |                                  |                   |                      |
| 0810           | TA2-(Pier TA21-22) > Intall Bondeck   | 0        |                          | 24-Apr-15 A |       | 21-22) > Intall Bo |               |                                  |                   |                      |
| 10820          | TA2-(Pier TA21-22) > Deck Rebar Fixing  | 0        | 25-Apr-15 A              | 11-May-15 A |       |                    |               | > Deck Rebar Fixing              |                   |                      |
| 10830          | TA2-(Pier TA21-22) > Intall Holding Down Bolts for L3 Railings                      | 0        |                          | 11-May-15 A |       |                    |               | > Intall Holding Down Bolts fo   | r I 3 Railings    |                      |
| 0840           | TA2-(Pier TA21-22) > Deck Concreting  | 1        | 20-May-15                | 20-May-15   | 28    | 1742-(1710         |               | r TA21-22) > Deck Concretin      |                   |                      |
| 10850          |   |          |                          |             |       |                    |               |                                  |                   |                      |
| 10850          | TA2-(Pier TA21-22) > Intall L3 Railings   | 3        | 21-May-15                | 23-May-15   | 28    |                    | IA2-          | (Pier TA21-22) > Intall L3 Rai   | ings              |                      |
| Remaining I    | evel of Effort 🔶 🔶 Milestone  |          | (                        | Contract    | HY/   | 2009/19            |               |                                  |                   |                      |
| Actual Level   |   |          | •                        | Jonnaul     |       |                    |               |                                  |                   |                      |
| Actual Work    |   | onthe    | Rolling I                | Droaram     | ( 20  | May 2015           | _ 10 ^        | Aug 2015)                        |                   |                      |
|                | 5 IVI   | UILLIS   | ι τοππία Ι               | TUUIAIN     | 1 ZU  | way / 013          | - IJ A        | AURU / 11 [3]]                   |                   |                      |
| Remaining V    |   | •••••    |                          |             | (     |                    |               | (ag 2010)                        |                   |                      |

| ,             |                      |                                     | Au   | gust  |  | mber   |
|---------------|----------------------|-------------------------------------|--|---|--|--|
| 19            | 26                   | 02                                  | 09   | 16  | 23   | 30   |
|               |                      | L                                   | L  |   |  |  |
| W/B Bridg     | e Deck               | Pier 43                             | to 44 (5 b   | beams)  | > by LG  | 1  |
|               |                      |                                     |  |   |  |  |
| Demolish T    | emp. W               | /B Bridg                            | je - Deck  | > Pier  | 42 to 43   | (6 beams   |
|               |                      | Domoli                              | h Tomp   | \///D D   | ridao (  | Crosshead  |
|               |                      | Demois                              | si iemp.   | VV/D D  | nuge - c   | 105511eau  |
|               |                      | Demoli                              | sh Temn  | W/R B   | ridae - F  | Deck > Pie   |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     | Demolis  | h Temp  | .W/B E   | Bridge - C   |
|               | · · · · · · <u>-</u> | <u></u>                             |  |   |  |  |
|               |                      |                                     | Demolis  | h Temp  | .W/B E   | Bridge - D   |
|               |                      |                                     |  |   |  | emolish Te   |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   | De   | emolish Te   |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  | Der  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  | Der  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
| tion          |                      |                                     |  |   |  |  |
| demolition    |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
| rior to dem   | olition              |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
| Bridge prior  | to dem               | olition                             |  |   |  |  |
|               |                      |                                     |  |   |  |  |
|               |                      |                                     |  |   |  |  |
| E4 - Pier E   | 3) - Mo              | bilization                          | and Pre  | p.  |  |  |
|               |                      |                                     |  |   |  |  |
| ition (Pier E | :4 - Pier            | ·E3) - S                            | saw-Cut I  | Deck/Si   | ab   |  |
| Demolitic     | n (Pier              | F4 - Pie                            | r F3) -Re  | move  | Pre-Cast   | Beam (3  |
|               |                      |                                     |  |   |  |  |
| Demolit       | ion (Pie             | r E4 - Pi                           | er 20) -S  | aw-Cut  | Crosshe  | ad + Pier  |
|               |                      |                                     |  |   |  |  |
|               | <u> </u>             |                                     | · · · · · ·  |   |  |  |
|               | De                   | molition                            | (Pier E4   | - Pier 20   | 0) -Dem  | ead + Pier<br>olish Pile   |
|               | De                   | molition                            | (Pier E4   | - Pier 20   | J) -Dem  | olisn Pile   |
| Diition (TA1  | & Pier I             | molition<br>E4 - Pier               | (Pier E4<br>E3) > Pr                               | eparati   | D) -Dem  | emolition/   |
|               | & Pier I             | molition<br>E4 - Pier               | (Pier E4<br>E3) > Pr                               | eparati   | D) -Dem  | emolition/   |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie                | - Pier 20<br>eparation<br>er E3) >                        | ) -Dem<br>on for D<br>∙Remov                                       | emolition/<br>e 6 Beam   |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie                | - Pier 20<br>eparation<br>er E3) >                        | ) -Dem<br>on for D<br>∙Remov                                       | emolition/   |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie                | - Pier 20<br>eparation<br>er E3) ><br>on (Pier            | o) -Dem<br>on for D<br>Remov<br>E4 - Pie                           | olisn Pile<br>emolition/<br>e 6 Beam<br>r E3) > Re                                       |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | - Pier 20<br>eparation<br>er E3) ><br>on (Pier            | o) -Dem<br>on for D<br>Remov<br>E4 - Pie                           | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [   |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie                | - Pier 20<br>eparation<br>er E3) ><br>on (Pier            | o) -Dem<br>on for D<br>Remov<br>E4 - Pie                           | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [   |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | - Pier 20<br>eparation<br>er E3) ><br>on (Pier            | o) -Dem<br>on for D<br>Remov<br>E4 - Pie                           | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E                          |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | - Pier 20<br>eparation<br>er E3) ><br>on (Pier            | o) -Dem<br>on for D<br>Remov<br>E4 - Pie                           | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [   |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | - Pier 20<br>eparation<br>er E3) ><br>on (Pier            | o) -Dem<br>on for D<br>Remov<br>E4 - Pie                           | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E<br>Const                 |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | - Pier 20<br>eparation<br>er E3) ><br>on (Pier            | o) -Dem<br>on for D<br>Remov<br>E4 - Pie                           | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E                          |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | - Pier 20<br>eparation<br>er E3) ><br>on (Pier            | o) -Dem<br>on for D<br>Remov<br>E4 - Pie                           | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E<br>Const                 |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | - Pier 20<br>eparation<br>er E3) ><br>on (Pier            | o) -Dem<br>on for D<br>Remov<br>E4 - Pie                           | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E<br>Const                 |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | - Pier 20<br>eparation<br>er E3) ><br>on (Pier            | o) -Dem<br>on for D<br>Remov<br>E4 - Pie                           | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E<br>Const                 |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | eparatii<br>er E3) ><br>on (Pier<br>De                    | D - Dem<br>on for D<br>Remov<br>E4 - Pie<br>molition               | emolition/<br>e 6 Bearr<br>r E3) > R<br>(TA1) > I<br>ion (Pier E<br>Constr<br>Constr     |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | eparatii<br>er E3) ><br>on (Pier<br>De                    | D - Dem<br>on for D<br>Remov<br>E4 - Pie<br>molition               | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E<br>Const                 |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | eparatii<br>er E3) ><br>on (Pier<br>De                    | D - Dem<br>on for D<br>Remov<br>E4 - Pie<br>molition               | emolition/<br>e 6 Bearr<br>r E3) > R<br>(TA1) > I<br>ion (Pier E<br>Constr<br>Constr     |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | eparatii<br>er E3) ><br>on (Pier<br>De                    | D - Dem<br>on for D<br>Remov<br>E4 - Pie<br>molition               | emolition/<br>e 6 Bearr<br>r E3) > R<br>(TA1) > I<br>ion (Pier E<br>Constr<br>Constr     |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | reparation<br>er E3) ><br>on (Pier<br>De<br>C             | 0) - Dem<br>on for D<br>Remov<br>E4 - Pie<br>molition<br>onstruct  | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E<br>Constr<br>] Constru   |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | reparation<br>er E3) ><br>on (Pier<br>De<br>C             | 0) - Dem<br>on for D<br>Remov<br>E4 - Pie<br>molition<br>onstruct  | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E<br>Constr<br>] Constru   |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | reparation<br>er E3) ><br>on (Pier<br>De<br>C             | 0) - Dem<br>on for D<br>Remov<br>E4 - Pie<br>molition<br>onstruct  | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E<br>Constr<br>] Constru   |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | reparation<br>er E3) ><br>on (Pier<br>De<br>C             | 0) - Dem<br>on for D<br>Remov<br>E4 - Pie<br>molition<br>onstruct  | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E<br>Constr<br>] Constru   |
|               | & Pier I             | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | reparation<br>er E3) ><br>on (Pier<br>De<br>C             | 0) - Dem<br>on for D<br>Remov<br>E4 - Pie<br>molition<br>onstruct  | emolition/<br>e 6 Beam<br>r E3) > R<br>(TA1) > [<br>ion (Pier E<br>Constr<br>] Constru   |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>or E4 - Pic<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>er E4 - Pie<br>Demolitio   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>or E4 - Pic<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>or E4 - Pic<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>or E4 - Pic<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>or E4 - Pic<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>or E4 - Pic<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>or E4 - Pic<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>or E4 - Pic<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pler E4<br>E3) > Pr<br>or E4 - Pic<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>or E4 - Pie<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>or E4 - Pie<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>or E4 - Pie<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pier E4<br>E3) > Pr<br>or E4 - Pie<br>Demolitic   | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pier E4 )<br>E3) > Pr<br>rr E4 - Pie<br>Demolitio | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pier E4 )<br>E3) > Pr<br>rr E4 - Pie<br>Demolitio | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |
| Dition (TA1   | & Pier I<br>Demol    | molition<br>E4 - Pier<br>ition (Pie | (Pier E4 )<br>E3) > Pr<br>rr E4 - Pie<br>Demolitio | Prier 20<br>reparatile<br>re E3) ><br>in (Pier<br>De<br>C | 0) - Dem<br>on for Do<br>Remov<br>E4 - Pie<br>molition<br>onstruct | emolition/<br>e 6 Bearr<br>r E3) > R(<br>(TA1) > [<br>ion (Pier E<br>Constru<br>idge TA1 |

| vity ID              | Activity Name  | temainin<br>Duration |                        | Finish                 | Total<br>Float | May                               | 2015<br>June July  |
|----------------------|--|----------------------|------------------------|------------------------|----------------|-----------------------------------|--|
| A10860               | TA2-(Pier TA22-23) > Install TA23 Tower  | 2                    | 19-May-15 A            | 21-May-15              | 0              | -                                 | 17         24         31         07         14         21         28         05         12           TA2-(Pier TA22-23) > Install TA23 Tower |
| A10870               | TA2-(Pier TA22-23) > Intall Scaffolding at TA23  | 3                    | 22-May-15              | 25-May-15              | 0              |                                   | TA2-(Pier TA22-23) > Install FA25 Tower<br>TA2-(Pier TA22-23) > Install Scaffolding at TA23  |
| A10880               | TA2-(Pier TA22-23) > TA23 Grouting   | 3                    | 26-May-15              | 28-May-15              | 0              |                                   | TA2-(Pier TA22-23) > TA23 Grouting   |
| A10890               | TA2-(Pier TA22-23) > Intall Bearing  | 4                    | 29-May-15              | 02-Jun-15              | 0              |                                   | TA2-(Pier TA22-23) > Intall Bearing  |
| A10900               | TA2-(Pier TA22-23) > Main Beam Fabrication (TA22   |                      | 22-May-15              | 28-May-15              | 5              |                                   | TA2-(Pier TA22-23) > Main Beam Fabrication (TA22-23)   |
| A10910               | TA2-(Pier TA22-23) > Main Beam Erection  |                      | 03-Jun-15              | 03-Jun-15              | 0              |                                   | TA2-(Pier TA22-23) > Main Beam Erection  |
| A10920               | TA2-(Pier TA22-23) > Install Bondeck   | 6                    | 04-Jun-15              | 10-Jun-15              | 0              |                                   | TA2-(Pier TA22-23) > Install Bondeck   |
| A10930               | TA2-(Pier TA22-23) > Deck Rebar Fixing   | 6                    | 11-Jun-15              | 17-Jun-15              | 0              |                                   | TA2-(Pier TA22-23) > Deck Rebar Fi   |
| A10940               | TA2-(Pier TA22-23) > Holding Down Bolts for L3 Ra  | ilings 2             | 17-Jun-15              | 18-Jun-15              | 0              |                                   | TA2-(Pier TA22-23) > Holding Dowr  |
| A10950               | TA2-(Pier TA22-23) > Deck Concreting   | 1                    | 19-Jun-15              | 19-Jun-15              | 0              |                                   | TA2-(Pier TA22-23) > Deck Concre   |
| A10950.1             | MJ-28  | 3                    | 22-Jun-15              | 24-Jun-15              | 0              |                                   | MI-28  |
| A10960               | TA2-(Pier TA22-23) > L3 Railings   | 3                    | 22-Jun-15              | 24-Jun-15              | 2              |                                   | TA2-(Pier TA22-23) > L3 Ra   |
| A10960.1             | Aspaht TA21-TA28   | 1                    | 25-Jun-15              | 25-Jun-15              | 0              |                                   | Aspaht TA21-TA28   |
| A10960.2             | Road Marking + Istall Lightings  | 1                    | 26-Jun-15              | 26-Jun-15              | 0              |                                   | Road Marking + Istall Ligh   |
| A11210               | TA2-(Pier TA23-24) > Install TA24 Tower  | 0                    | 09-May-15 A            | 13-May-15 A            |                | TA2-(                             | Pier TA23-24) > Install TA24 Tower   |
| A11220               | TA2-(Pier TA23-24) > Intall Scaffolding at TA24  | 0                    |                        |                        |                |                                   | Pier TA23-24) > Intall Scaffolding at TA24   |
| A11230               | TA2-(Pier TA23-24) > TA24 Grouting   | 3                    | 22-May-15              | 26-May-15              | 3              |                                   | TA2-(Pier TA23-24) > TA24 Grouting   |
| A11240               | TA2-(Pier TA23-24) > Intall Bearing  |                      | 26-May-15              | 30-May-15              | 3              |                                   | TA2-(Pier TA23-24) > Intall Bearing  |
| A11240               | TA2-(Pier TA23-24) > Main Beam Fabrication (TA23   | 3-24) 6              | 22-May-15              | 29-May-15              | 5              |                                   | TA2-(Pier TA23-24) > Main Beam Fabrication (TA23-24)   |
| A11260               | TA2-(Pier TA23-24) > Main Beam Erection  |                      | 03-Jun-15              | 03-Jun-15              | 0              |                                   | TA2-(Pier TA23-24) > Main Beam Erection  |
| A11270               | TA2-(Pier TA23-24) > Install Bondeck   | 6                    | 04-Jun-15              | 10-Jun-15              | 0              |                                   | · · · · · · · · · · · · · · · · · · ·  |
| A11280               | TA2-(Pier TA23-24) > Deck Rebar Fixing   | 6                    | 11-Jun-15              | 17-Jun-15              | 0              |                                   | TA2-(Pier TA23-24) > Install Bondeck<br>TA2-(Pier TA23-24) > Deck Rebar Fi   |
| A11200               | TA2-(Pier TA23-24) > Holding Down Bolts for L3 Ra  | ~                    | 17-Jun-15              | 18-Jun-15              | 0              |                                   | ■ TA2-(Pier TA23-24) > Holding Dowr  |
| A11200               | TA2-(Pier TA23-24) > Deck Concreting   | 1                    | 19-Jun-15              | 19-Jun-15              | 0              |                                   | TA2-(Pier TA23-24) > Deck Concre   |
| A11300.1             | MJ-28  | 3                    | 22-Jun-15              | 24-Jun-15              | 0              |                                   | MJ-28  |
| A11300.1             | TA2-(Pier TA23-24) > L3 Railings   | 3                    | 22-Jun-15              | 24-Jun-15              | 2              |                                   | TA2-(Pier TA23-24) > L3 Ra   |
| A11310.1             | Aspaht TA21-TA28   |                      | 25-Jun-15              | 25-Jun-15              | 0              |                                   | Aspaht TA21-TA28   |
| A11310.1<br>A11310.2 | Road Marking + Istall Lightings  | 1                    | 26-Jun-15              | 26-Jun-15              | 0              |                                   | Road Marking + Istall Ligh   |
| A11310.2             | TA2-(Pier TA24-25) > Install TA25 Tower  | 0                    | 07-Apr-15 A            | 09-Apr-15 A            | 0              | 25 Tower                          |  |
| A11320               | TA2-(Pier TA24-25) > Install TA25 Tower<br>TA2-(Pier TA24-25) > Intall Scaffolding at TA25 | 0                    | · ·                    | 25-Apr-15 A            |                |                                   | Scaffolding at TA25  |
|                      |  | 0                    | 23-Apr-15 A            | · ·                    |                |                                   |  |
| A11340<br>A11350     | TA2-(Pier TA24-25) > TA25 Grouting<br>TA2-(Pier TA24-25) > Intall Bearing                  | 0                    | 23-Apr-15 A            | 25-Apr-15 A            |                | TA24-25) > TA2<br>TA24-25) > Inta |  |
|                      | TA2-(Pier TA24-25) > Intal Bearing<br>TA2-(Pier TA24-25) > Main Bear Fabrication (TA24     |                      | 23-Apr-15 A            | · ·                    | 7              | 1A24-25) > Inta                   | TA2-(Pier TA24-25) > Main Beam Fabrication (TA24-25)   |
| A11360               | TA2-(Pier TA24-25) > Main Beam Fraction (TA24  | -23) 0               | 23-Apr-15 A            | 26-May-15<br>01-Jun-15 | 7              |                                   |  |
| A11370               |  | 6                    | 30-May-15              |                        | 3              |                                   | TA2-(Pier TA24-25) > Main Beam Erection  |
| A11380               | TA2-(Pier TA24-25) > Install Bondeck   |                      | 01-Jun-15<br>08-Jun-15 | 08-Jun-15              | 3              |                                   | TA2-(Pier TA24-25) > Install Bondeck   |
| A11390               | TA2-(Pier TA24-25) > Deck Rebar Fixing   | 6                    |                        | 15-Jun-15              | 3              |                                   | TA2-(Pier TA24-25) > Deck Rebar Fixing   |
| A11400               | TA2-(Pier TA24-25) > Holding Down Bolts for L3 Ra  | ilings 2             | 13-Jun-15              | 16-Jun-15              | 3              |                                   | TA2-(Pier TA24-25) > Holding Down B  |
| A11410               | TA2-(Pier TA24-25) > Deck Concreting   | 1                    | 16-Jun-15              | 17-Jun-15              | 3              |                                   | TA2-(Pier TA24-25) > Deck Concretin  |
| A11410.1             | MJ-28  | 3                    | 17-Jun-15              | 22-Jun-15              | 3              |                                   | MJ-28  |
| A11420               | TA2-(Pier TA24-25) > L3 Railings   | 3                    | 17-Jun-15              | 22-Jun-15              | 5              |                                   | TA2-(Pier TA24-25) > L3 Railing  |
| A11420.0             | Aspaht TA21-TA28   | 1                    | 22-Jun-15              | 23-Jun-15              | 3              |                                   | Aspaht TA21-TA28   |
| A11420.01            | Road Marking + Istall Lightings  | 1                    | 23-Jun-15              | 24-Jun-15              | 3              |                                   | Road Marking + Istall Lighting   |
| A11430               | TA2-(Pier TA25-26) > Install TA26 Tower  | 0                    | 03-Apr-15 A            | 05-Apr-15 A            |                | bwer                              |  |
| A11440               | TA2-(Pier TA25-26) > Intall Scaffolding at TA26  | 0                    | 20-Apr-15 A            | 22-Apr-15 A            |                |                                   | if olding at TA26  |
| A11450               | TA2-(Pier TA25-26) > TA26 Grouting   | 0                    | 20-Apr-15 A            | 22-Apr-15 A            |                | -26) > TA26 Gro                   |  |
| A11460               | TA2-(Pier TA25-26) > Intall Bearing  | 0                    | 23-Apr-15 A            | 26-Apr-15 A            |                | TA25-26) > Inta                   | <u> </u>   |
| A11470               | TA2-(Pier TA25-26) > Main Beam Fabrication (TA25   | ,                    | 23-Apr-15 A            | 02-May-15 A            |                |                                   | ) > Main Beam Fabrication ( TA25-26)   |
| A11480               | TA2-(Pier TA25-26) > Main Beam Erection  | 0                    | 01-May-15 A            | 03-May-15 A            |                | A2-(Pier TA25-2                   | 6) > Main Beam Erection  |
| A11490               | TA2-(Pier TA25-26) > Install Bondeck   | 6                    | 30-Apr-15 A            | 29-May-15              | 11             |                                   | TA2-(Pier TA25-26) > Install Bondeck   |
| Remaining            | Level of Effort   Milestone  |                      | (                      | Contract               | HY/2           | 2009/19                           |  |
| Actual Leve          | el of Effort   |                      |                        |                        |                |                                   |  |
| Actual Wor           | k  | 3 Months             | Rollina I              | Program                | (20            | May 201                           | 5 - 19 Aug 2015)   |
| Remaining            | Work   |                      |                        | J                      | ( _ •          | , <b></b> _ ,                     |  |
|                      | naining Work   |                      |                        |                        |                |                                   |  |

|                                  |            |       | Δι | auet       |    | Imbor      |
|----------------------------------|------------|-------|----|------------|----|------------|
| 19                               | 26         | 02    | 09 | gust<br>16 | 23 | mber<br>30 |
| 1.0                              | _~         | ~     | 1  |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
| <b></b>                          |            |       |    |            |    |            |
| Fixing<br>wn Bolts fo<br>creting |            |       |    |            |    |            |
| wn Bolts fo                      | or L3 Rai  | lings |    |            |    |            |
| creting                          |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
| Railings                         |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
| ghtings                          |            |       |    |            |    |            |
| gnungs<br>                       |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
| Fixing                           |            |       |    |            |    |            |
| wn Bolts fo                      | or L3 Rai  | lings |    |            |    |            |
| Fixing<br>wn Bolts fo<br>creting |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
| Railings                         |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
| ghtings                          |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
| ing                              |            |       |    |            |    |            |
| Bolts for L                      | _3 Railing | js    |    |            |    |            |
| ting                             |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
| ings                             |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
| ings                             |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |
|                                  |            |       |    |            |    |            |

Page 11 of 14

| <i>i</i> ID        | Activity Name  | temainin<br>Duration | Start       | Finish      | Total<br>Float | May                                   |  | 2015                                  |
|--------------------|--|----------------------|-------------|-------------|----------------|---------------------------------------|--|---------------------------------------|
| A11500             | TA2-(Pier TA25-26) > Deck Rebar Fixing   | 6                    | 29-May-15   | 05-Jun-15   | 11             | 3 10 1                                | 7 24 31 07 14 21<br>TA2-(Pier TA25-26) > Deck                      | 28 05 12<br>Rebar Eixing              |
| A11510             | TA2-(Pier TA25-26) > Holding Down Bolts for L3 Railings  | 2                    | 04-Jun-15   | 06-Jun-15   | 11             |                                       | □ TA2-(Pier TA25-26) > Hol   |                                       |
| A11520             | TA2-(Pier TA25-26) > Deck Concreting   | 1                    | 06-Jun-15   | 08-Jun-15   | 11             |                                       | □ TA2-(Pier TA25-26) > D   | <del>.</del>                          |
| A11520.1           | MJ-28  | 3                    | 08-Jun-15   | 11-Jun-15   | 11             |                                       | MJ-28  | · · · · · · · · · · · · · · · · · · · |
| A11530             | TA2-(Pier TA25-26) > L3 Railings   | 3                    | 08-Jun-15   | 11-Jun-15   | 13             |                                       | TA2-(Pier TA25-26)   | > L3 Railings                         |
| A11530.1           | Aspaht TA21-TA28   | 1                    | 11-Jun-15   | 12-Jun-15   | 10             |                                       | Aspaht TA21-TA28   |                                       |
| A11530.2           | Road Marking + Istall Lightings  | 1                    | 12-Jun-15   | 13-Jun-15   | 11             |                                       | Road Marking + I   |                                       |
| A11540             | TA2-(Pier TA26-27) > Install TA27 Tower  | 0                    | 25-Mar-15 A | 27-Mar-15 A |                |                                       |  |                                       |
| A11550             | TA2-(Pier TA26-27) > Intall Scaffolding at TA27  | 0                    | 17-Apr-15 A | 19-Apr-15 A |                | ) > Intall Scaffold                   | nα at TΔ27   |                                       |
| A11560             | TA2-(Pier TA26-27) > TA27 Grouting   | 0                    | 17-Apr-15 A | 19-Apr-15 A |                | > TA27 Grouting                       |  |                                       |
| A11570             | TA2-(Pier TA26-27) > Intall Bearing  | 0                    | 20-Apr-15 A | 23-Apr-15 A |                | 26-27) > Intall Bea                   | ,<br>  |                                       |
| A11580             | TA2-(Pier TA26-27) > Main Beam Fabrication (TA26-27)   | 0                    | 21-Apr-15 A | 29-Apr-15 A |                |                                       | <i>I</i> ain Beam Fabrication (TA26-27)                            |                                       |
| A11580<br>A11590   | TA2-(Pier TA26-27) > Main Beam Fradrication (TA26-27)<br>TA2-(Pier TA26-27) > Main Beam Erection | 0                    | 01-May-15 A | 03-May-15 A |                |                                       | > Main Beam Frection   |                                       |
|                    |  |                      | -           | -           |                |                                       |  |                                       |
| A11600             | TA2-(Pier TA26-27) > Install Bondeck   | 0                    | 02-May-15 A | 09-May-15 A |                |                                       | A26-27) > Install Bondeck<br>TA2-(Pier TA26-27) > Deck Rebar Fixir |                                       |
| A11610             | TA2-(Pier TA26-27) > Deck Rebar Fixing   | 6                    | 12-May-15 A | 26-May-15   | 24             |                                       |  |                                       |
| A11620             | TA2-(Pier TA26-27) > Holding Down Bolts for L3 Railings  | 2                    | 20-May-15   | 21-May-15   | 24             |                                       | TA2-(Pier TA26-27) > Holding Down Bolts for                        | <sup>.</sup> L3 Railings              |
| A11630             | TA2-(Pier TA26-27) > Deck Concreting   | 1                    | 22-May-15   | 22-May-15   | 24             |                                       | TA2-(Pier TA26-27) > Deck Concreting                               |                                       |
| A11630.1           | MJ-28  | 3                    | 23-May-15   | 26-May-15   | 24             |                                       | MJ-28  |                                       |
| A11640             | TA2-(Pier TA26-27) > L3 Railings   | 3                    | 23-May-15   | 26-May-15   | 26             |                                       | TA2-(Pier TA26-27) > L3 Railings                                   |                                       |
| A11640.0           | Aspaht TA21-TA28   | 1                    | 27-May-15   | 27-May-15   | 24             |                                       | Aspaht TA21-TA28   |                                       |
| A11640.01          | Road Marking + Istall Lightings  | 1                    | 28-May-15   | 28-May-15   | 24             |                                       | Road Marking + Istall Lightings                                    |                                       |
| A11640.1           | TA2-(Pier TA27-28) > Preparation works for R.C Wall  | 0                    | 16-Apr-15 A | 18-Apr-15 A |                | > Preparation wo                      | rks for R.C Wall   |                                       |
| A11640.2           | TA2-(Pier TA27-28) > Rebar Fixing on R.C Wall  | 0                    | 19-Apr-15 A | 01-May-15 A |                | (Pier TA27-28) >                      | Rebar Fixing on R.C Wall   |                                       |
| A11640.3           | TA2-(Pier TA27-28) > Formawork on R.C Wall   | 0                    | 02-May-15 A | 08-May-15 A |                |                                       | 27-28) > Formawork on R.C Wall                                     |                                       |
| A11640.4           | TA2-(Pier TA27-28) > Concreting on R.C Wall  | 0                    | 09-May-15 A | 09-May-15 A |                | TA2-(Pier T                           | A27-28) > Concreting on R.C Wall                                   |                                       |
| A11640.5           | TA2-(Pier TA27-28) > Waterproofing for Tunnel Roof   | 2                    | 20-May-15   | 21-May-15   | 1              |                                       | TA2-(Pier TA27-28) > Waterproofing for Tunr                        | nel Roof                              |
| A11640.6           | TA2-(Pier TA27-28) > Soil Backfill to Ground Level   | 5                    | 20-May-15   | 25-May-15   | 1              |                                       | TA2-(Pier TA27-28) > Soil Backfill to Gro                          | ound Level                            |
| A11640.7           | TA2-(Pier TA27-28) > Formwork on TA28 Footing  | 2                    | 20-May-15   | 21-May-15   | 1              |                                       | TA2-(Pier TA27-28) > Formwork on TA28 For                          | oting                                 |
| A11640.8           | TA2-(Pier TA27-28) > Rebar Fixing on TA28 Footing  | 2                    | 20-May-15   | 21-May-15   | 1              | · · · · · · · · · · · · · · · · · · · | TA2-(Pier TA27-28) > Rebar Fixing on TA28 I                        | Footing                               |
| 11640.9            | TA2-(Pier TA27-28) > Install Holding Down Bolts on TA28  | 1                    | 22-May-15   | 22-May-15   | 1              |                                       | TA2-(Pier TA27-28) > Install Holding Down E                        | Bolts on TA28                         |
| 11640.91           | TA2-(Pier TA27-28) > Concreting on TA28  | 1                    | 23-May-15   | 23-May-15   | 1              |                                       | TA2-(Pier TA27-28) > Concreting on TA28                            |                                       |
| 11650              | TA2-(Pier TA27-28) > Installation of TA28 Tower  | 1                    | 25-May-15   | 25-May-15   | 1              |                                       | TA2-(Pier TA27-28) > Installation of TA28                          | 8 Tower                               |
| \11660             | TA2-(Pier TA27-28) > Intall Scaffolding at TA28  | 3                    | 26-May-15   | 28-May-15   | 1              |                                       | TA2-(Pier TA27-28) > Intall Scaffoldir                             | ng at TA28                            |
| A11670             | TA2-(Pier TA27-28) > TA28 Grouting   | 1                    | 29-May-15   | 29-May-15   | 1              |                                       | TA2-(Pier TA27-28) > TA28 Groutin                                  | ng                                    |
| A11680             | TA2-(Pier TA27-28) > Intall Bearing  | 2                    | 30-May-15   | 01-Jun-15   | 1              |                                       | TA2-(Pier TA27-28) > Intall Bea                                    |                                       |
| A11690             | TA2-(Pier TA27-28) > Main Beam Fabrication (TA27-28)   | 6                    | 26-May-15   | 01-Jun-15   | 2              |                                       | TA2-(Pier TA27-28) > Main Bea                                      |                                       |
| 11700              | TA2-(Pier TA27-28) > Main Beam Erection  | 1                    | 02-Jun-15   | 02-Jun-15   | - 1            |                                       | TA2-(Pier TA27-28) > Main Be                                       |                                       |
| 11710              | TA2-(Pier TA27-28) > Install Bondeck   | 4                    | 03-Jun-15   | 06-Jun-15   | 1              |                                       | TA2-(Pier TA27-28) > Inst  |                                       |
| 11720              | TA2-(Pier TA27-28) > Deck Rebar Fixing   | 9                    | 08-Jun-15   | 17-Jun-15   | 1              |                                       | · · · · · · · · · · · · · · · · · · ·                              | A27-28) > Deck Rebar F                |
| 11730              | TA2-(Pier TA27-28) > Holding Down Bolts for L3 Railings  | 2                    | 16-Jun-15   | 17-Jun-15   | 1              |                                       | ``   | A27-28) > Holding Down                |
| A11740             | TA2-(Pier TA27-28) > Deck Concreting   | 1                    | 18-Jun-15   | 18-Jun-15   | 1              |                                       | · · · · · · · · · · · · · · · · · · ·                              | TA27-28) > Deck Concre                |
| A11740<br>A11740.1 | MJ-28  | 3                    |             | 23-Jun-15   | 1              |                                       | MJ-2   |                                       |
| A11740.1<br>A11750 |  | 3                    | 19-Jun-15   |             |                |                                       |  |                                       |
|                    | TA2-(Pier TA27-28) > L3 Railings   |                      | 19-Jun-15   | 23-Jun-15   | 3              |                                       |  | -(Pier TA27-28) > L3 Rail             |
| 11750.3            | Aspaht TA21-TA28   | 1                    | 24-Jun-15   | 24-Jun-15   | 1              |                                       |  | aht TA21-TA28                         |
| A11750.4           | Road Marking + Istall Lightings  | 1                    | 25-Jun-15   | 25-Jun-15   | 1              |                                       |  | bad Marking + Istall Lighti           |
| A11760             | Complete Temporary "TA2" Bridge  | 0                    |             | 26-Jun-15   | 0              |                                       | ♦ (  | Complete Temporary "TA                |
|                    | rary Bridge 'TB'   |                      |             |             |                |                                       |  |                                       |
| A10280             | TB > (Pier 16-17) - Stitching  | 0                    |             | 02-Mar-15 A |                |                                       |  |                                       |
| A10290             | TB > (Pier TB1-16) - L3 Railing Installation   | 0                    | 03-Mar-15 A | 06-Mar-15 A |                |                                       |  |                                       |
| Remaining          | Level of Effort 🔶 🔶 Milestone  |                      |             | Contract    | HY/2           | 2009/19                               |  |                                       |
| Actual Lev         | el of Effort   |                      |             |             |                |                                       |  |                                       |
| Actual Wo          | rk   | 3 Months             | Rollina     | Program     | ( 20           | May 2015                              | - 19 Aug 2015)   |                                       |
| Remaining          | ) Work   |                      |             | 3. 4.11     | 、              |                                       |  |                                       |
|                    |  |                      |             |             |                |                                       |  | 1                                     |

| ,                     |             |     | Δι | aust       |    | mber |
|-----------------------|-------------|-----|----|------------|----|------|
| 19                    | 26          | 02  | 09 | gust<br>16 | 23 | 30   |
| 1.0                   |             |     |    |            |    |      |
| Delliner              |             |     |    |            |    |      |
| Railings              |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
| 8)                    |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
| Fixing                |             |     |    |            |    |      |
| n Bolts for           | r I 3 Raili | nas |    |            |    |      |
| Fixing<br>n Bolts for |             |     |    |            |    |      |
| eting                 |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
| ailings               |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
| ntings                |             |     |    |            |    |      |
| TA2" Bridg            |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |
|                       |             |     |    |            |    |      |

Page 12 of 14

| ity ID            | Activity Name  | Lemaining<br>Duration | Start       | Finish      | Total<br>Float | May                            | /        |          |          |        | June       |          |            | 2015        | JI     |
|-------------------|--|-----------------------|-------------|-------------|----------------|--------------------------------|----------|----------|----------|--------|------------|----------|------------|-------------|--------|
|                   |  |                       |             |             | Tioat          | 3 10                           | /<br>17  | 24       | 31       | 07     |            | 21       | 28         | 05          |        |
| A10300            | Bridge E (Pier 16) - MJ  | 0                     | 17-Mar-15 A | 22-Mar-15 A |                |                                |          |          |          |        |            |          |            |             |        |
| A2480             | TB > (Pier TB1-16) - L3 Railing Installation                               | 0                     | 06-Mar-15 A | 09-Mar-15 A |                |                                |          |          |          |        |            |          |            |             |        |
| 10.6 - Tunnel App | · · · · · · · · · · · · · · · · · · ·                                      |                       |             |             |                |                                |          |          |          |        |            |          |            |             |        |
|                   | n Ramp (Excluding Portion IIB)   |                       |             |             |                |                                |          |          |          |        |            |          |            |             |        |
| Bored Piles       |  |                       |             |             |                |                                |          |          |          |        |            |          |            |             |        |
| A5851             | Bored Pile Ramp - BN25   | 0                     |             | 25-Feb-15 A |                |                                |          |          |          |        |            |          |            |             |        |
| A5856             | Bored Pile Ramp > LHR- BN32 A  | 0                     |             | 11-Apr-15 A |                | 32 A                           |          |          |          |        |            |          |            |             |        |
| A5856.1           | Bored Pile Ramp > LHR- BN32 B  | 0                     |             | 31-Mar-15 A |                |                                |          |          |          |        |            |          |            |             |        |
| A5857             | Bored Pile Ramp > LHR - BN34 A   | 0                     |             | 10-Apr-15 A |                | 84 A                           |          |          |          |        |            |          |            |             |        |
| A5857.1           | Bored Pile Ramp > LHR - BN34 B   | 0                     |             | 01-Apr-15 A |                |                                |          |          |          |        |            |          |            |             |        |
| A5859.21          | Bored Pile Ramp - BN20   | 0                     | 17-Feb-15 A | 11-Mar-15 A |                |                                |          |          |          |        |            |          |            |             |        |
| A5859.22          | Bored Pile Ramp - BN21   | 0                     | 13-Mar-15 A |             |                |                                |          |          |          |        |            |          |            |             |        |
| A5859.24          | Bored Pile Ramp - BS21   | 0                     |             | 14-Mar-15 A |                | e Bored H-Pile                 |          |          |          |        |            |          |            |             |        |
| A5859.35          | LHR - Pre Bored H-Pile > Pile Ramp - BN17 A                                | 0                     | 15-Apr-15 A | 27-Apr-15 A |                | e Bored H-Pile<br>LHR - Pre Bo | e > Pile | Ramp -   | BN17 A   |        |            |          |            |             |        |
| A5859.35.1        | LHR - Pre Bored H-Pile > Pile Ramp - BN17 B                                | 0                     | 17-Apr-15 A | 05-May-15 A |                |                                |          |          |          | - BN17 | 7В         |          |            |             |        |
| A5859.36          | LHR - Pre Bored H-Pile > Pile Ramp - BN18 A                                | 0                     | 18-Apr-15 A | 25-Apr-15 A |                | 8ored H-Pile >                 |          |          |          |        |            |          |            |             |        |
| A5859.36.1        | LHR - Pre Bored H-Pile > Pile Ramp - BN18 B                                | 0                     | 22-Apr-15 A | 02-May-15 A |                | R - Pre Bored                  | H-Pile   | > Pile R | amp - BN | 118 B  |            |          |            |             |        |
| A5859.36.1.1      | LHR - Pre Bored H-Pile > Pile Ramp - BN14 A                                | 14                    | 20-May-15   | 04-Jun-15   | 48             |                                |          |          |          |        | Pre Bore   |          |            |             |        |
| A5859.36.1.2      | LHR - Pre Bored H-Pile > Pile Ramp - BN14 B                                | 14                    | 25-May-15   | 09-Jun-15   | 48             |                                |          |          |          |        | LHR - Pre  | Bored H  | I-Pile > I | Pile Ram    | p - Bl |
| A5859.36.1.3      | LHR - Pre Bored H-Pile > Pile Ramp - BN15 A                                | 14                    | 30-Jun-15*  | 16-Jul-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.1.4      | LHR - Pre Bored H-Pile > Pile Ramp - BN15 B                                | 14                    | 06-Jul-15   | 21-Jul-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.2        | LHR - Pre Bored H-Pile > Pile Ramp - BN16 A                                | 14                    | 10-Jul-15   | 25-Jul-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.3        | LHR - Pre Bored H-Pile > Pile Ramp - BN16 B                                | 14                    | 15-Jul-15   | 30-Jul-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.4        | Pre Bored H-Pile > Pile Ramp - BM07 A                                      | 14                    | 20-Jul-15   | 04-Aug-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.5        | Pre Bored H-Pile > Pile Ramp - BM07 B                                      | 14                    | 24-Jul-15   | 08-Aug-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.6        | Pre Bored H-Pile > Pile Ramp - BM08 A                                      | 14                    | 29-Jul-15   | 13-Aug-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.7        | Pre Bored H-Pile > Pile Ramp - BM08 B                                      | 14                    | 03-Aug-15   | 18-Aug-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.8        | Pre Bored H-Pile > Pile Ramp - BM06 A                                      | 14                    | 07-Aug-15   | 22-Aug-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.9        | Pre Bored H-Pile > Pile Ramp - BM06 B                                      | 14                    | 12-Aug-15   | 27-Aug-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.9.1      | Pre Bored H-Pile > Pile Ramp - BM05 A                                      | 14                    | 17-Aug-15   | 01-Sep-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.9.2      | Pre Bored H-Pile > Pile Ramp - BM05 B                                      | 14                    | 21-Aug-15   | 05-Sep-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.9.3      | Pre Bored H-Pile > Pile Ramp - BM04 A                                      | 14                    | 26-Aug-15   | 10-Sep-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.9.4      | Pre Bored H-Pile > Pile Ramp - BM04 B                                      | 14                    | 31-Aug-15   | 15-Sep-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.9.9      | Pre Bored H-Pile > Pile Ramp - BS16 A                                      | 14                    | 14-Sep-15   | 30-Sep-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.9.9.1    | Pre Bored H-Pile > Pile Ramp - BS16 B                                      | 14                    | 18-Sep-15   | 06-Oct-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.9.9.2    | Pre Bored H-Pile > Pile Ramp- BS15 A                                       | 14                    | 23-Sep-15   | 10-Oct-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.9.9.3    | Pre Bored H-Pile > Pile Ramp - BS15 B                                      | 14                    | 29-Sep-15   | 15-Oct-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.9.9.4    | Pre Bored H-Pile > Pile Ramp - BS14 A                                      | 14                    | 05-Oct-15   | 20-Oct-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.36.9.9.5    | Pre Bored H-Pile > Pile Ramp - BS14 B                                      | 14                    | 09-Oct-15   | 26-Oct-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.37          | Complete Bored Piles Excl.Portion IIB                                      | 0                     |             | 26-Oct-15   | 32             |                                |          |          |          |        |            |          |            |             |        |
| A5859.37.1        | Complete Bored Piles > LHR   | 0                     |             | 30-Jul-15   | 104            |                                |          |          |          |        |            |          |            |             |        |
| A8050             | Complete Pre-Bored H-Pile > CSD Approach Ramp                              | 0                     |             | 20-May-15   | 44             |                                | • C      | Complete | Pre-Bore | ed H-F | Pile > CSD | Approac  | h Ramp     |             |        |
| ELS               |  |                       |             |             |                |                                |          |          |          |        |            |          |            |             |        |
| 1061-1065         | Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D11-D12 N | lorthern 14           | 20-May-15   | 04-Jun-15   | 251            | I                              |          |          |          | Drive  | Sheet Pile | for Trou | gh A & E   | 3 (excl II  | B) - A |
| 1061-1065.2       | Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D11-D10 N | lorthern 14           | 05-Jun-15   | 22-Jun-15   | 251            | I                              |          |          |          |        |            | 🗾 Dri    | ve Shee    | et Pile for | Trou   |
| 1061-1065.3       | Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D10-D09 N | Northerr 14           | 23-Jun-15   | 09-Jul-15   | 251            | [                              |          |          |          |        |            |          |            |             | Driv   |
| 1061-1065.4       | Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D09-D08 N | lortherr 14           | 10-Jul-15   | 25-Jul-15   | 251            | I                              |          |          |          |        |            |          |            |             |        |
| 1061-1065.5       | Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D08-D07 N | lortherr 14           | 27-Jul-15   | 11-Aug-15   | 251            | [                              |          |          |          |        |            |          |            |             |        |
| 1061-1065.6       | Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D07-D06 N | Jortherr 14           | 12-Aug-15   | 27-Aug-15   | 251            | <u> </u>                       |          |          |          |        |            |          |            |             |        |
|                   |  |                       |             | • • •       | 1117/14        |                                |          |          |          |        |            |          |            | 1           |        |
| -                 | evel of Effort   Milestone   |                       |             | Contract    | HY/2           | 2009/19                        |          |          |          |        |            |          |            |             |        |
| Actual Level      |  | <b>•••</b>            |             | <b>D</b>    | 1 ~~           | M. 004                         |          | 40 -     |          | o 4 =  | 、          |          |            |             |        |
| Actual Work       |  | 3 Months              | Rolling     | rogram      | (20            | iviay 201                      | 15 -     | 19 A     | ug 20    | 015    | )          |          |            |             |        |
| Remaining W       | /ork   |                       |             |             |                |                                |          |          |          |        |            |          |            | 1           |        |

|              |           |          | ۸          | quet       |                                    | lash o r   |
|--------------|-----------|----------|------------|------------|------------------------------------|------------|
| /            | 26        | 02       | Au<br>09   | gust<br>16 | 23                                 | mber<br>30 |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
| В            |           |          |            |            |                                    |            |
| LHR - Pr     |           |          |            |            |                                    |            |
| LH           | R - Pre E | Bored H- | Pile > Pil | e Ramp     | - BN15 E                           | 3          |
|              | LHR -     | Pre Bore | ed H-Pile  | > Pile R   | amp - BN                           | 116 A      |
|              |           | HR - Pr  | e Bored    | H-Pile >   | Pile Ram                           | ip - BN1   |
|              |           | Pre      | Bored I    | H-Pile > I | Pile Ram<br>Pile Ram<br>ile > Pile | o - BM0    |
|              |           |          | Pre Bo     | red H-Pi   | le > Pile                          | Ramp -     |
|              |           |          |            | Pre Bore   | d H-Pile                           | > Pile R   |
|              |           |          |            | Pre        | e Bored I                          | I-Pile >   |
|              |           |          |            |            | Pre Bo                             |            |
|              |           |          |            |            | <u></u>                            | Pre Bore   |
|              |           |          |            |            |                                    | Pr         |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              | • 0       | Complete | e Bored I  | Piles > LH | HR                                 |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
| r. Ramp >    | Pier D11  | -D12 No  | orthern S  | ide        |                                    |            |
| A&B (exc     |           |          |            |            | 0 Northe                           | rn Side    |
| heet Pile fo |           |          |            |            |                                    |            |
|              |           |          |            |            | B (excl II                         |            |
|              |           |          |            |            | t Pile for                         |            |
|              |           |          |            |            |                                    | Drive Sh   |
|              |           |          | _          |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              |           |          |            |            |                                    |            |
|              | Pag       | e 13 of  | 14         |            |                                    |            |

| ivity ID                   | Activity Name   | temainin | Start       | Finish      | Total |                     |                |            |   |                | 202         | 15         |
|----------------------------|---|----------|-------------|-------------|-------|---------------------|----------------|------------|---|----------------|-------------|------------|
|                            |   | Duration |             |             | Float | May<br>3   10   1   | 7 24           | 31         | June<br>07 14                                 | 21             | 28          | 05         |
| 1061-1065.6.1              | Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D11-D12 Southerr     | 14       | 20-May-15   | 04-Jun-15   | 251   |                     |                |            | Drive Sheet Pi                                |                |             |            |
| 1061-1065.6.2              |   | 14       | 05-Jun-15   | 22-Jun-15   | 251   |                     |                |            |   |                | e Sheet Pil |            |
| 1061-1065.6.3              | Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D10-D09 Southerr     | 14       | 23-Jun-15   | 09-Jul-15   | 251   |                     |                |            |   |                |             | Dı         |
| 1061-1065.6.4              | Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D09-D08 Southerr     | 14       | 10-Jul-15   | 25-Jul-15   | 251   |                     |                |            |   |                |             |            |
| 1061-1065.6.5              | Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D08-D07 Southerr     | 14       | 27-Jul-15   | 11-Aug-15   | 251   |                     |                |            |   |                |             |            |
| 1061-1065.6.6              | Drive Sheet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D07-D06 Southerr     | 14       | 12-Aug-15   | 27-Aug-15   | 251   |                     |                |            |   |                |             |            |
| 1061-1068                  | Install & Operate Dewatering System (excl IIB) - Appr. Ramp > Pier D06-D08            | 14       | 27-May-15   | 11-Jun-15   | 287   |                     |                |            | Install                                       | & Operate [    | Dewatering  | a System   |
| 1061-1068.1                | Install & Operate Dewatering System (excl IIB) - Appr. Ramp > Pier D08-D10            | 14       | 12-Jun-15   | 29-Jun-15   | 287   |                     |                |            |   | <u>'</u>       |             | & Opera    |
| 1061-1068.2                | Install & Operate Dewatering System (excl IIB) - Appr. Ramp > Pier D10-D12            | 14       | 30-Jun-15   | 16-Jul-15   | 287   |                     |                |            |   |                |             |            |
| Structure                  |   |          |             |             |       |                     |                |            |   |                |             |            |
| 1061-1200                  | Construct Retaining Wall E Pile Cap (7 nos)   | 28       | 03-Jun-15   | 07-Jul-15   | 32    |                     |                |            |   |                |             |            |
| 1061-1210                  | Construct Retaining Wall E Bay 1  | 18       | 08-Jul-15   | 28-Jul-15   | 32    |                     |                |            |   |                |             |            |
| 1061-1230                  | Construct Retaining Wall E Bay 3  | 18       | 08-Jul-15   | 28-Jul-15   | 50    |                     |                |            |   |                |             |            |
| Landscape Dec              |   | -        |             |             |       |                     |                |            |   |                |             |            |
| A8260                      | Construct LD Middle Pile Cap (7nos)   | 24       | 08-Jul-15   | 04-Aug-15   | 44    |                     |                |            |   |                |             |            |
| 10.6.2 - Approac           | h Ramp (Within Portion IIB)   |          |             |             |       |                     |                |            |   |                |             |            |
| Bored Piles                |   |          |             |             |       |                     |                |            |   |                |             |            |
| 1061-1045                  | LHR - Pre Bored H-Pile > Pile Ramp - BN01 A   | 14       | 26-Aug-16   | 12-Sep-16   | 221   |                     |                |            |   |                |             |            |
| 1061-1046                  | LHR - Pre Bored H-Pile > Pile Ramp - BN01 B   | 14       | 12-Sep-16   | 29-Sep-16   | 221   |                     |                |            |   |                |             |            |
| 1061-1047                  | LHR - Pre Bored H-Pile > Pile Ramp - BN05 A   | 14       | 29-Sep-16   | 18-Oct-16   | 221   |                     |                |            |   |                |             |            |
| 10.7 - Section X           | - Miscellaneous Works   |          |             |             |       |                     |                |            |   |                |             |            |
| 10.7.1 - TTM Stag          | ges   |          |             |             |       |                     |                |            |   |                |             |            |
| 1071-1025                  | TTM Stage 2 - TMLG / TD / Police Consultation and Endorsement                         | 0        | 29-Sep-14 A | 27-Mar-15 A |       | and Endorseme       | nt             |            |   |                |             |            |
| 1071-1030                  | TTM Stage 2 - TTM Enabling Works  | 0        | 27-Mar-15 A | 29-Mar-15 A |       |                     |                |            |   |                |             |            |
| 1071-1040                  | TTM Stage 2 - Divert 3 Lanes to E/B Bridge through 'Bridge From Pier17 to Pier D1'    | 0        |             | 29-Mar-15 A |       | hrough 'Bridge F    | rom Pier17 to  | Pier D     | 1'  |                |             |            |
| 1071-1041                  | TTM Stage 3 - TMLG / TD / Police Consultation and Endorsement                         | 0        | 30-Mar-15 A | 18-Apr-15 A |       | G / TD / Police C   | onsultation an | d Endo     | rsement                                       |                |             |            |
| 1071-1042                  | TTM Stage 3 - TTM Enabling Works  | 0        | 19-Apr-15 A | 19-Apr-15 A |       | I Enabling Work     | s              |            |   |                |             |            |
| 1071-1043                  | TTM Stage 3 - Use Existing E/B Lane to Divert 4 W/B Lane                              | 0        |             | 19-Apr-15 A |       | Existing E/B Lar    | e to Divert 4  | W/B La     | ne  |                |             |            |
| 1071-1045                  | TTM Stage 4 - TMLG / TD / Police Consultation and Endorsement                         | 32       | 20-May-15   | 26-Jun-15   | 0     |                     |                |            |   |                | TTM Stag    | je 4 - TN  |
| 1071-1046                  | TTM Stage 4 - TTM Enabling Works  | 2        | 27-Jun-15   | 28-Jun-15   | 0     |                     |                |            |   |                | TTM St      | tage 4 -   |
| 1071-1047                  | TTM Stage 4 - Hing Fat Slip Road Divert 1 Lane to New E/B Bridge through 'TA2' to     | 0        |             | 28-Jun-15   | 0     |                     |                |            |   | •              | TTM Star    | age 4 - I  |
| 10.7.2 - Oil Stree         | t/Watson Road (Portion III)   |          |             |             |       |                     |                |            |   |                |             |            |
| A12510                     | Box Culvert Demolition > Portion VIIB > Watson Road                                   | 0        | 01-Apr-15 A | 07-Apr-15 A |       | /IIB > Watson R     | ad             |            |   |                |             |            |
| A12520                     | Box Culvert Demolition - Concrete Pavement Removal > Portion VIIB > Watson Ro         | 0        | 08-Apr-15 A | 14-Apr-15 A |       | Concrete Pavem      | ent Removal    | > Portio   | on VIIB > Watso                               | on Road        |             |            |
| A12530                     | Box Culvert Demolition - Trial Tench to Expose Grd. Utilities > Portion VIIB > Watson | 0        | 15-Apr-15 A | 19-Apr-15 A |       | ition - Trial Tench | to Expose Gr   | rd. Utilit | ies > Portion VII                             | B > Watson     | Road        |            |
| A12540                     | Box Culvert Demolition - Dem. Upper portion of Culvert (2M From R.L) > Portion V      | 0        | 20-Apr-15 A | 30-Apr-15 A |       | ulvert Demolitior   | - Dem. Uppe    | er portic  | on of Culvert (2                              | M From R.L     | _) > Portio | on VIIB >  |
| A12550                     | Box Culvert Demolition - Remove Mud Deposit from Culvert > Portion VIIB > Watso       | 0        | 01-May-15 A | 07-May-15 A |       |                     |                |            | Mud Deposit fro                               |                |             |            |
| A12560                     | Box Culvert Demolition - Backfilling > Portion VIIB > Watson Road                     | 0        | 08-May-15 A | 22-May-15   | 525   |                     | Box Culv       | /ert Dei   | molition - Backfi                             | lling > Portio | n VIIB > W  | Vatson F   |
| A12570                     | Drainage works - Manhole 1-49B,DN450 & Associate Gully Pipes > Portion VIIB > W       | 0        | 05-May-15 A |             |       | Dra                 | nage works -   | Manho      | le 1-49B,DN450                                | ) & Associat   | e Gully Pip | bes > Po   |
|                            | Drainage works - Manhole 1-49, DN300 & Associate Gully Pipes > Portion VIIB > Wa      | 5        | 15-May-15 A |             | 525   |                     |                |            | e works - Manh                                |                |             |            |
| A12590                     | Drainage works - Manhole 1-49C,DN225 & Associate Gully Pipes > Portion VIIB > W       | 10       | 28-May-15   | 09-Jun-15   | 525   |                     |                |            |   | works - Ma     |             |            |
| A12590<br>A12600           |   |          | -           |             |       |                     |                |            | · · · · <u>· · · · · · · · · · · · · · · </u> |                |             |            |
| A12590<br>A12600<br>A12610 | Drainage works - Road Reinstatement > Portion VIIB > Watson Road                      | 5        | 09-Jun-15   | 15-Jun-15   | 525   |                     |                |            |   | rainage wor    | 'ks - Road  | ' Reinsta. |

|                                       |   | - |
|---------------------------------------|---|---|
| Remaining Level of Effort   Milestone | Contract HY/2009/19                                   |   |
| Actual Level of Effort                |   |   |
| Actual Work                           | 3 Months Rolling Program ( 20 May 2015 - 19 Aug 2015) |   |
| Remaining Work                        |   |   |
| Critical Remaining Work               |   |   |

| / August mber  |
|--|
| 19 26 02 09 16 23 30   |
| r. Ramp > Pier D11-D12 Southern Side                         |
| A&B (excl IIB) - Appr. Ramp > Pier D11-D10 Southern Side     |
| heet Pile for Trough A & B (excl IIB) - Appr. Ramp > Pier D1 |
| Drive Sheet Pile for Trough A & B (excl IIB) - Ap            |
|  |
| Drive Sheet Pile for Trough                                  |
| Drive Sh   |
| IIIB) - Appr. Ramp > Pier D06-D08                            |
| ewatering System (excl IIB) - Appr. Ramp > Pier D08-D10      |
| Install & Operate Dewatering System (excl IIB) - Appr. Ram   |
|  |
|  |
| Retaining Wall E Pile Cap (7 nos)                            |
| Construct Retaining Wall E Bay 1                             |
| Construct Retaining Wall E Bay 3                             |
| ;  |
| Construct LD Middle Pile Cap (7nos)                          |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
| TD / Police Consultation and Endorsement                     |
| Enabling Works   |
| Fat Slip Road Divert 1 Lane to New E/B Bridge through 'TA2'  |
|  |
|  |
|  |
|  |
|  |
| son Road   |
| Road   |
|  |
| /IIB > Watson Road   |
| ipes > Portion VIIB > Watson Road                            |
|  |
| Associate Gully Pipes > Portion VIIB > Watson Road           |
| nt > Portion VIIB > Watson Road                              |
|  |
|  |

Page 14 of 14

|             | LA MELA MALE                  |  |            |                      |                 | yout: CWB - Wor | -              | and the state of the |                          |                    |                 |          |                 |                       | nted 26-Sep-14 |
|-------------|-------------------------------|--|------------|----------------------|-----------------|-----------------|----------------|----------------------|--------------------------|--------------------|-----------------|----------|-----------------|-----------------------|----------------|
| IV ID       | Activity Name                 |  | Calendar   | Original<br>Duration | Start           | Finish          | Total<br>Float |                      |                          |                    | 015             |          |                 | 2016                  |                |
| V/2009/4    | 5 - Works Pro                 | gramme Rev. M (DD:20-Sep-12                    | V          | and an owned it      | -               |                 | C.D.C.         | Q4                   | Q1                       | Q2                 | Q3              | Q4       | Q1              | Q2                    | Q3             |
|             |                               |  | ·          |                      |                 |                 |                |                      |                          |                    |                 | 1        |                 |                       |                |
|             |                               | Adit - Based on Alternative Meth               | od         |                      |                 |                 |                |                      |                          |                    |                 |          |                 | -                     |                |
| Reinstatem  | ent of Breakwater             |  |            |                      |                 |                 |                |                      | 1.1                      |                    |                 |          |                 |                       | -              |
| S3_54840    | Reinstatement wo              | irks -west side                                | 7d/wk-1    | 60d                  | 21-Feb-14 08 A  | 30-Sep-14 18    | -85d           | Reinstateme          | ent works -west side     |                    |                 |          |                 | -                     | 1              |
| S3_60085    | Reinstatement wo              | orks east side                                 | 7d/wk-1    | 60d                  | 31-May-14 08 A  | 30-Sep-14 18    | -85d           | Reinstateme          | ent works east side      |                    |                 |          |                 |                       |                |
| S3_54845    | Completion of Sec             | ction 3 (KD8) in EVA Area (Alternative Method) | 7d/wk-2    | Od                   |                 | 30-Sep-14 18    | -86d           | Completion           | of Section 3 (KD8) in    | EVA Area (Alternat | ive Method)     |          |                 |                       |                |
| Norks in T  | S1/TS2 - OHVI                 | D and Cable Trough/Maintenance                 | Walkway    |                      |                 |                 | -              |                      |                          |                    |                 | -        |                 |                       | 1              |
| TS2 - OHVD  | and Cable Trough              | /Maintenance Walkway                           | 14.        |                      |                 |                 | -              |                      |                          |                    |                 | -        | -               |                       | 1              |
| OHVD Slab   | and Cable Trough C            | Construction                                   |            |                      |                 |                 | _              | -                    |                          |                    |                 |          |                 |                       |                |
| S3_6210     | TS2 - OHVD/ Cat               |  | 7d/wk-1    | 40d                  | 20-May-14 08 A  | 20 Fee 14 18    | 954            | TOOLOUN              |                          |                    |                 | 1        |                 |                       | -              |
|             |                               |  |            |                      | 20-May-14 06 A  |                 | -85d           |                      | D/ Cable trough          |                    |                 |          |                 |                       | 1              |
| S3_6212     | Completion of Sec             | ction 3 - TS1/TS2 Area (below -6mpd) KD8)      | 7d/wk-2    | 0d                   |                 | 30-Sep-14 18    | -86d           | Completion           | of Section 3 - TS1/TS    | 52 Area (below -6m | pd) KDB)        |          |                 |                       | 1              |
| Norks in 1  | rs4/ME4 Area (I               | Portion 14A, 14B, 15, 23)                      |            |                      |                 |                 |                |                      |                          |                    |                 |          |                 |                       |                |
| TS4/ME4 - R | Removal of Tempor             | rary Reclamation                               |            |                      |                 |                 |                |                      |                          |                    |                 |          |                 |                       | -              |
| Remaining   | Works at TZ6                  |  |            |                      |                 |                 |                |                      |                          |                    |                 |          |                 |                       |                |
| Stage 4 - S | eawall and Reclama            | ution at TZG                                   |            |                      |                 | _               | -              | -                    | -                        |                    |                 |          |                 | _                     |                |
| A-2010      |                               | wall blocks (Qty: 245 nos.)                    | 7d/wk-2    | 6d                   | 15-Sep-14 08 A  | 26-Sep-14 18    | -332d          | lauk faller a        |                          | 045                |                 | 1        |                 |                       |                |
|             |                               |  |            |                      |                 |                 | 1.             |                      | f seawall blocks (Qty;   | 1                  |                 |          |                 |                       |                |
| A-2020      |                               | to -2.45mPD (Qty:3,000 cu.m.)                  | 7d/wk-2    | 2d                   | 25-Sep-14 08    | 26-Sep-14 18    | -332d          | Soil Backfillin      | g up to -2.45mPD (C      | ty:3,000 cu.m.)    |                 | 1        |                 |                       |                |
| A-2030      | Utilities installation        | for Mined Tunnel                               | 7d/wk-2    | 1d                   | 27-Sep-14 08    | 27-Sep-14 18    | -332d          | I. Utilities insta   | llation for Mined Tunr   | nel                |                 |          |                 |                       |                |
| A-2040      | Soil backfilling up t         | to ground level (Qty:2,000 cu.m.)              | 7d/wk-2    | 2d                   | 28-Sep-14 08    | 29-Sep-14 18    | -332d          | I Soil backfillin    | ig up to ground level    | (Qty:2,000 cu.m.)  |                 | 1010     |                 |                       |                |
| A-2050      | Site clearance                |  | 7d/wk-2    | 1d                   | 30-Sep-14 08    | 30-Sep-14 18    | -305d          | Site clearan         | ce                       | 1                  |                 |          |                 |                       |                |
| A-2060      | Handover to MTR               | 2  | 7d/wk-2    | Od                   |                 | 30-Sep-14 18    | -305d          | le Handover te       | MTR                      |                    |                 |          |                 |                       | 1              |
| Removal of  | Temporary Reclama             | ation at TS4/ME4                               |            | 1                    |                 |                 | -              |                      |                          | 1                  | (               |          |                 |                       | 1              |
| Stage 5 (2) | ones A. D & F - TS4-          | -D33 to B-26, SCL2 & ME4-D19 to D13)           |            |                      |                 | _               |                |                      |                          |                    | 1               |          |                 |                       |                |
| A-3000      |                               | cutting (Qty: 62 pcs.)                         | 7d/wk-2    | 21d                  | 29-Aug-14 08 A  | 23-Sep.14.18    | -340d          | D Wall borry         | ontal cutting (Qty: 62   |                    |                 | -        |                 |                       |                |
|             | one C - P4, ME4-D12           |  | TO WRITE   | 210                  | 20-rug-14 00 h  | 20-060-1410     | -0400          |                      | intal conting ( coty, oz | P(-5.)             |                 | _        |                 |                       |                |
|             |                               |  |            |                      |                 | and the second  |                |                      |                          |                    |                 |          |                 |                       | 1              |
| A-3011      | Marine removal o<br>(Zones C) | f temporarly reclamation and seawall blocks    | 7d/wk-2    | 21d                  | 31-Aug-14 08 A  | 02-Oct-14 18    | -353d          | Marine rem           | ioval of temporarly re   | clamation and seav | all blocks (Zon | esC)     |                 |                       | 1              |
| A-3030      | D-Wall vertical cu            | tting (Qty: 15 pcs.)                           | 7d/wk-2    | 4d                   | 03-Oct-14 08    | 06-Oct-14 18    | -353d          | D-Wall ver           | tical cutting (Qty: 15   | pcs.)              |                 | -        |                 |                       | 1              |
| A-3040      | D-Wall horizontal             | cutting (Qty: 20 pcs.)                         | 7d/wk-2    | 5d                   | 06-Oct-14 08    | 10-Oct-14 18    | -352d          | D-Wall ho            | prizontal cutting (Qty:  | 20 pcs.)           |                 |          |                 |                       | 1              |
| Summa       | ary Bar                       | 1 of 18  |            |                      |                 |                 | 1              |                      | P                        | repared by William | Caluza          | ,        |                 | 4                     | -              |
|             | Level of Effort               | China Ph                                       | te Constan | ction Err            | ineering (Here  | Kongilid        |                |                      | Date                     | Revision           | Checked         | Approved |                 |                       |                |
| Actual \    | Work                          | China Sta                                      | te constru | cuon eng             | gineering (Hong | rong) Lid       |                |                      | 26-Sep 1st subm          | ission             | -               | in       | 中國連步            | 東王程(喜港)               | 有限公            |
|             | ning Work                     | Contract No. HY/2009/15 - Central              | Wan Chai F | V Pass -             | Tunnel ( Cause  | way Bay Typ     | hoon Sh        | ottor Section)       |                          |                    | -               |          |                 |                       |                |
| Remain      | Remaining Work                |  | Than ona L | y 1 400              | · annon ( sudos | may bay typ     | noon or        | ener bechony         |                          |                    |                 | NUM      | CHINA STATE CON | STRUCTION ENGINEERING |                |

| ty ID   | Activity Name Calendar Original Start Finish Total 20<br>Duration Float           |         |             |  |                |         |                  | 2016                                     |  |                 |                     |                              |    |    |
|---|---|---------|-------------|--|----------------|---------|------------------|--|--|-----------------|---------------------|------------------------------|----|----|
| Stage 7 (Zor  | nes C & E - ME4-D06 to D01, SCL1 & TS4-D25)                                       |         | area subvit | -  | -              | Hoat    | Q4               | Q1                                       | Q2                                       | Q3              | Q4.                 | Q1                           | Q2 | Q3 |
| and the second se |   |         | _           |  |                |         |                  |  |  |                 |                     |                              |    |    |
| A-4000  | Marine removal of temporarly redamation and seawall blocks<br>(Zones C & E)       | 7d/wk-2 | 18d         | 06-Sep-14 08 A                                 | 06-Oct-14 18   | -353d   | Marine remova    | I of temporarly rec                      | armation and seawa                       | I blocks (Zone  | s C & E)            |                              |    |    |
| A-3090  | Hole coring (Qty: 44 nos)   | 7d/wk-2 | 9d          | 20-Sep-14 08*                                  | 28-Sep-14 18   | -346d   | Hole coring (Qty | 44 nos)                                  |  |                 |                     |                              |    |    |
| A-4010  | D-Wall vertical cutting (Qty: 27pcs.)   | 7d/wk-2 | 7d          | 07-Oct-14 08                                   | 13-Oct-14 18   | -353d   | D-Wall vertic    | al cutting (Qty: 27p                     | ocs.)                                    |                 |                     |                              |    |    |
| A-4020  | D-Wall horizontal cutting (Qty: 37 pcs.)  | 7d/wk-2 | 10d         | 11-Oct-14 08                                   | 20-Oct-14 18   | -353d   | D-Wall horia     | ontal cutting (Qty:                      | 37 pcs.)                                 |                 | 1                   |                              |    |    |
| Stage 9 (Zor  | ne ( - TS4-D01 to TS4-D08)  |         |             |  | -              |         |                  |  |  |                 | 1                   | -                            |    |    |
| A-3050  | Remaining removal of temporary reclamation (Zone I)                               | 7464.0  | -           |  |                |         |                  | Sec. 1. Al                               |  |                 | 1                   |                              |    |    |
|   |   | 7d/wk-2 | 28d         | 29-Aug-14 08 A                                 | 01-Oct-14 1B   | -342d   | Remaining rem    | oval of temporary i                      | reclamation (Zone I)                     |                 |                     |                              |    |    |
| A-3060  | Hole coring (Qty: 25 nos)   | 7d/wk-2 | 5d          | 02-Oct-14 08                                   | 06-Oct-14 18   | -342d   | Hole coring (Q   | ty: 25 nos)                              | 1.2                                      |                 |                     |                              |    |    |
| A-3070  | D-Wall vertical cutting (Qty: 14 pcs.)  | 7d/wk-2 | 3d          | 07-0d-14 08                                    | 09-Oct-14 18   | -342d   | D-Wall vertica   | cutting (Qty: 14 p                       | ics.)                                    |                 | 1                   |                              |    |    |
| A-3080  | D-Wall horizontal cutting (Qty: 24 pcs.)  | 7d/wk-2 | 5d          | 21-Oct-14 08                                   | 25-Oct-14 18   | -353d   | D-Wall hor       | zontal cutting (Qty                      | 24 pcs.)                                 |                 |                     |                              |    |    |
| Stage 8 (Zor  | nes G & K - TS4-D24 to TS4-D15 )  |         |             |  | -              | -       |                  |  |  |                 |                     | -                            |    |    |
| A-4040  | Relocation of RHKYC floating pontoon  | 7d/wk-2 | 5d          | 22-Sep-14 08*                                  | 26-Sep-14 18   | -338d   | Relocation of RH | KYC floating ponte                       | 000                                      |                 |                     |                              |    |    |
| A-4050  | Hole coring (Qty: 27 nos)   | 7d/wk-2 | 6d          | 29-Sep-14 08                                   | 04-Oct-14 18   | -346d   | Hole coring (Q1  | 1  |  |                 |                     |                              |    |    |
| A-4060  | Marine removal of temporary reclamation and seawall blocks                        |         | -           |  |                | 1.500   |                  |  |  |                 |                     |                              |    |    |
|   | (Zone G & K)  | 7d/wk-2 | 14d         | 11-Oct-14 08                                   | 24-Oct-14 18   | -352d   | Marine rem       | loval of temporary                       | reclamation and sea                      | wall blocks (Zo | ne G & K)           |                              |    |    |
| A-4070  | D-Wall vertical cutting (Qty: 18pcs.)   | 7d/wk-2 | 4d          | 25-Oct-14 08                                   | 28-Oct-14 18   | -352d   | D-Wall ve        | tical cutting (Qty:                      | 18pcs.)                                  |                 |                     |                              |    |    |
| A-4080  | D-Wall horizontal cutting (Qty: 25 pcs.)  | 7d/wk-2 | 7d          | 26-Oct-14 08                                   | 01-Nov-14 18   | -352d   | D-Wall ho        | rizontal cutting (Q                      | ty: 25 pcs.)                             |                 |                     |                              |    |    |
| Stage 10 (Zo  | one 4 - TS4-009 to TS4-014)   |         | -           | 1  |                | -       |                  |  |  |                 | -                   |                              |    |    |
| A-4090  | Land removal of temporary reclamation (Zone J)                                    | 7d/wk-2 | 10d         | 07-Oct-14 08                                   | 16-Oct-14 18   | -344d   | Land remova      | al of temporary rec                      | lamation (Zone J)                        |                 |                     |                              |    |    |
| A-5000  | Hole coring (Qty: 32 nos)   | 7d/wk-2 | 7d          | 17-Oct-14 08                                   | 23-Oct-14 18   | -340d   | Hole coring      |  |  |                 |                     |                              |    |    |
| A-5010  | Marine removal of temporary reclamation (Zone J)                                  | 7d/wk-2 | 7d          | 26-Oct-14 08                                   | 01-Nov-14 18   | -353d   |                  |  |  |                 |                     |                              |    |    |
|   |   |         | 10          |  | 1              | 1.00    |                  | 11.                                      | ry reclamation (Zone                     | J)              |                     |                              |    |    |
| A-5020  | D-Wall vertical cutting (Qty: 20 pcs.)  | 7d/wk-2 | 5d          | 02-Nov-14 08                                   | 06-Nov-14 18   | -353d   | D-Wall v         | ertical cutting (Qty                     | : 20 pcs.)                               |                 |                     |                              |    |    |
| A-5030  | D-Wall horizontal cutting (Qty: 26 pcs.)  | 7d/wk-2 | 7d          | 04-Nov-14 08                                   | 10-Nov-14 18*  | -353d   | D-Wall           | norizontal cutting (                     | Qty: 26 pcs,)                            |                 |                     |                              |    |    |
| Stage 13 - Ph   | nase 3 Mooring  |         |             |  | -              |         |                  |  |  |                 |                     |                              |    |    |
| A-5050  | Final trimming of sea bed level   | 7d/wk-2 | 4d          | 02-Nov-14 08                                   | 05-Nov-14 18   | -347d   | Final trin       | ming of sea bed le                       | evel                                     |                 |                     |                              |    |    |
| A-5060  | Phase 3 Mooring   | 7d/wk-2 | 6d          | 06-Nov-14 08                                   | 11-Nov-14 18   | -347d   | Phase 3          | Mooring                                  |  |                 |                     |                              |    |    |
| A-5040  | Reinstatement of exisiting seawall (Zones I & J)                                  | 7d/wk-2 | 7d          | 11-Nov-14 08                                   | 17-Nov-14 18   | -353d   |                  |  | g seawall (Zones I &                     | 0               |                     |                              |    |    |
| Stano 12 - Ro   | e-provisioning of Jetty   |         |             | 11 1101 1 1,00                                 | 11.11011.11.10 | ood     | - realise        | arement of existing                      | g souwall (201153 1 a                    | 5)              | -                   |                              |    |    |
|   |   |         |             |  |                |         |                  | 1. |  |                 |                     |                              |    |    |
| S6_5258   | Provision of Mobile Crane (until permanent re-provision of Jetty<br>is completed) | 7d/wk-1 | 160d        | 20-Feb-14 08 A                                 | 30-Dec-14 18   | -335d   | 1                | Provision of Mo                          | bile Crane (until per                    | manent re-prov  | ision of Jetty is c | ompleted)                    |    |    |
| A-6010  | BA8 submission and consent for commencement of<br>superstructure                  | 7d/wk-2 | 28d         | 20-Sep-14 08 A                                 | 16-Oct-14 18   | -336d   | BA8 submiss      | ion and consent fo                       | r commencement of                        | superstructure  |                     |                              |    |    |
| Actual W<br>Remainin  | verel of Effort<br>/ork<br>ng Work<br>Remaining Work                              |         | y Pass -    | gineering (Hong<br>Tunnel ( Cause<br>AMME REV. |                | hoon Sh | 26-              | Pre<br>Date<br>Sep 1st submis            | epared by William Ca<br>Revision<br>sion | Checked Ap      | proved              | 中國連禁工<br>CHINA STATE CONSTRU |    |    |

| y ID         | Activity Name                       |  | Calendar    | Original | Start          | Finish        | Total    |               |             |                  |                     | 2015             |              |            |                      | 2016            |                                |
|--------------|-------------------------------------|--|-------------|----------|----------------|---------------|----------|---------------|-------------|------------------|---------------------|------------------|--------------|------------|----------------------|-----------------|--------------------------------|
| A-6012       | Dubatiatian of a                    |  |             | Duration |                |               | Float    | Q4            |             | Q1               | Q2                  | Q3               |              | Q4         | Q1                   | Q2              | Q3                             |
| A-0012       | Submission of pe                    | nformance report                                 | 7d/wk-2     | 1d       | 25-Oct-14 08*  | 25-Oct-14 18  | -286d    | Submis        | ssion of p  | erformance       | report              | 1                | -            |            |                      |                 |                                |
| A-6020       | floating portoon                    | ng platform for jetty beams and reinstate the    | 7d/wk-2     | 10d      | 02-Nov-14 08   | 11-Nov-14 18  | -352d    | Ere           | ction of v  | vorking platfo   | orm for jetty bean  | is and reinstate | the floating | g portoon  |                      |                 |                                |
| A-6040       | BA10 submission                     | for authorized signatory and subcontractor       | 7d/wk-2     | 1d       | 12-Nov-14 08   | 12-Nov-14 18  | -304d    | I BAT         | 10 submi    | ssion for aut    | horized signatory   | and subcontract  | tor          |            |                      |                 |                                |
| A-6030       | Jetty beams cons                    | struction  | 7d/wk-2     | 14d      | 12-Nov-14 08   | 25-Nov-14 18  | -352d    |               | Jetty bea   | ms construct     | ion                 |                  |              |            |                      |                 |                                |
| A-6052       | Construction of f                   | oating pontoon                                   | 7d/wk-2     | 14d      | 26-Nov-14 08   | 09-Dec-14 18  | -331d    |               | Constr      | uction of floa   | ting pontoon        | it to a          | 1            |            |                      |                 |                                |
| A-6050       | BA13 submission                     | + 14-day cube test results                       | 7d/wk-2     | 28d      | 26-Nov-14 08   | 23-Dec-14 18  | -352d    | -             | BA          | 3 submission     | n + 14-day cube t   | est results      |              |            |                      |                 | -                              |
| A-6060       | E&M and access                      | ories installation                               | 7d/wk-2     | 7d       | 24-Dec-14 08   | 30-Dec-14 18  | -352d    | 1             | E E8        | M and acce       | ssories installatio | n. :             |              |            |                      |                 | -                              |
| A-6070       | Handover to RHI                     | KYC  | 7d/wk-2     | 1d       | 31-Dec-14 08   | 31-Dec-14 18  | -352d    |               | На          | andover to R     | HKYC                |                  | 1            |            |                      |                 |                                |
| Stage 11 - C | Construction of TZ4                 |  |             |          |                | -             |          |               | -           |                  | -                   |                  |              |            | -                    | 1               | _                              |
| A-6080       | South side - layin                  | g rockfill and levelling stone (Qty: 1,550 cu.m) | 7d/wk-2     | 12d      | 24-Sep-14 08   | 05-Oct-14 18  | -339d    | South side    | - laying r  | ockfill and lev  | velling stone (Qt   | r. 1,550 cu.m)   |              |            |                      |                 |                                |
| A-6090       | South side - insta                  | II seawall blocks (Qty: 255 nos.)                | 7d/wk-2     | 6d       | 06-Oct-14 08   | 11-Oct-14 18  | -339d    | 1.000         | 11 24       |                  | ks (Qty: 255 nos    | -                |              |            |                      |                 |                                |
| A-7000       | South side - gene                   | eral fill (Qty: 2,000 cu.m.)                     | 7d/wk-2     | 2d       | 12-Oct-14 08   | 13-Oct-14 18  | -339d    | South side    | e - gener   | ral fill (Qty: 2 | ,000 cu.m.)         |                  |              |            |                      |                 |                                |
| A-7010       | North side - laying                 | g rockfill and levelling stone (Qty: 1,550 cu.m) | 7d/wk-2     | 12d      | 21-Oct-14 08   | 01-Nov-14 18  | -346d    | North         | side - la   | ying rockfill a  | nd levelling stone  | (Qty: 1,550 cu   | .m)          |            |                      |                 |                                |
| A-7020       | North side - instal                 | Il seawall blocks (Qty: 255 nos.)                | 7d/wk-2     | 6d       | 02-Nov-14 08   | 07-Nov-14 18  | -346d    | Nort          | h side - i  | nstall seawal    | blocks (Qty: 255    | nos.)            |              |            |                      |                 |                                |
| A-7030       | North side - gene                   | eral fill (Qty.2,000 cu.m.)                      | 7d/wk-2     | 2d       | 08-Nov-14 08   | 09-Nov-14 18  | -346d    | 1 Nort        | th side -   | general fill (C  | ty:2.000 cu.m.)     |                  |              |            |                      |                 |                                |
| A-7040       | Handover to cont                    | trad TS3/SR8                                     | 7d/wk-2     | 1d       | 10-Nov-14 08   | 10-Nov-14 18* | -346d    | 1 Han         | dover to    | contract TS      | 3/SR8               |                  |              |            |                      |                 | i.                             |
| TS4/ME4, Re  | emoval of Tempora                   | ry Reclamation                                   |             |          |                |               | -        | 1             | -           |                  |                     |                  |              |            |                      |                 |                                |
| S26875       |                                     |  | -           |          |                |               |          | 1             |             |                  | 1                   | 1                |              |            |                      |                 |                                |
|              |                                     | ction 2 (With ME4 option) (KD7)                  | 7d/wk-2     | Od       |                | 17-Nov-14 18  | -353d    | ♦ Co          | mpletion    | of Section 2     | (With ME4 optio     | n) (KD7)         | 1            |            |                      | 1               |                                |
| S26890       | Completion of Se                    | ction 7B (ME4) (KD13)                            | 7d/wk-2     | Od       |                | 17-Nov-14 18  | -353d    | ♦ Co          | mpletion    | of Section 7     | B (ME4) (KD13)      |                  |              |            |                      | 1               |                                |
| rs4 - OHVD   | / Cable Trough                      |  |             |          |                |               | -        | 1             | -           |                  |                     |                  |              | _          | -                    |                 |                                |
| S5_6185      | TS4 (incl. TS4+)<br>opening at TZ4) | - OHVD Slab - Area C (access through temp.       | 7d/wk-1     | 36d      | 02-Jan-15 08*  | 06-Feb-15 18  | 195d     |               |             | TS4 (in          | d. TS4+) - OHVE     | Slab - Area C    | (access thr  | ough temp  | o. opening at TZ4)   |                 |                                |
| S5_6190      | TS4 (incl. TS4+) -<br>at TZ4)       | - Cable Trough (access through temp. opening     | 7d/wk-1     | 60d      | 07-Feb-15 08*  | 14-Apr-15 18  | 195d     |               |             | (C               | TS4 (ind. T         | S4+) - Cable T   | rough (acco  | ess throug | h temp, opening at   | TZ4)            | 1000                           |
| S5_59850     | 1.00- 1.0- 1.0                      | ction 5 - TS4/ME4 Area (KD10), below             | 7d/wk-2     | 0d       |                | 02-Nov-15 18* | b0       |               |             |                  |                     |                  | 1            |            | etion of Section 5 - | 1               | KD10), below -20n              |
| orks in T    |                                     | (Portion 20A, 20B)                               |             |          |                |               | -        |               |             |                  |                     |                  | -            | _          |                      |                 |                                |
| Removal of   | Temporary Recla                     | mation   |             |          |                |               |          | 1             | _           | -                |                     | 1                |              | _          | -                    |                 | 1                              |
|              |                                     |  |             |          |                |               |          | 1             |             | _                |                     |                  | -1-          |            |                      | 1               |                                |
| Removal of   | Temporary Reclam                    | ation & Form TZ5                                 |             |          |                |               |          | 1             |             |                  |                     |                  |              |            |                      | 1               | 10000                          |
| S87670       | Remove general                      | fill /sea wall block                             | 7d/wk-1     | 24d      | 20-May-14 08 A | 08-Oct-14 18  | -296d    | Remove g      | eneral fill | /sea wall blo    | ock                 |                  |              |            |                      |                 |                                |
| S67675       | Diaphragm wall s                    | aw cutting (1st D Wall cut on 23 Jun 2014)       | 7d/wk-1     | 31d      | 03-Sep-14 08 A | 16-Oct-14 18  | -306d    | Diaphrag      | ım wall sı  | aw cutting (1    | st D Wall cut on 2  | 3 Jun 2014)      | 1            |            |                      |                 |                                |
| S67755       | Form TZ5                            |  | 7d/wk-1     | 18d      | 25-Sep-14 08   | 14-Oct-14 18  | -304d    | Form TZ       | 5           |                  |                     |                  |              |            |                      | 1               | -                              |
| Summa        | ary Bar                             | 3 of 18  |             |          |                |               | 1        | 1             |             | Dr               | epared by Willian   | Caluza           |              | -          |                      | 1               |                                |
|              | Level of Effort                     |  |             |          |                |               |          |               | Date        | - Ci             | Revision            |                  | Approved     | ī          |                      |                 |                                |
| Actual V     |                                     | China Stat                                       | e Construc  | tion Eng | ineering (Hong | Kong) Ltd     |          |               | 26-Sep.     | ., 1st submis    | ssion               |                  |              | -          |                      | - 30/=          | 1200-                          |
|              | ning Work                           | Contract No. HY/2009/15 - Central V              | Van Chai By | Pass -   | Tunnel ( Cause | way Bay Typi  | noon She | Iter Section) |             | -                |                     | -                |              | SUED       |                      |                 | 。) 有限公司<br>NG (HONG KONG) LTD. |
| Critical I   | Remaining Work                      |  |             |          |                |               |          | a seattle of  | -           |                  |                     |                  |              | - Contract | CHINA SIAIL CORSTR   | OCTION ENGINEER | NO HONG KONG LID.              |

|                              |   | Calendar    | Original<br>Duration | Start          | Finish        | Float     |              |                    | 2                       | 015                   |                  | 1.000             | 2016  |                  |
|------------------------------|---|-------------|----------------------|----------------|---------------|-----------|--------------|--------------------|-------------------------|-----------------------|------------------|-------------------|---|------------------|
| S67685                       | Achievement of KD5  | 7d/wk-2     | Od                   |                | 10.0-1 (1.10  |           | Q4           | Q1                 | Q2                      | Q3                    | Q4               | Q1                | Q2  | Q3               |
| Con the                      |   | TU/WK-2     | ua                   |                | 16-Oct-14 18  | -323d     | Achievemen   | n of KD5           | E.                      |                       |                  |                   |   |                  |
| S67687                       | Complete Reinstatement of Vertical Seawall (near PRE Office)                        | 7d/wk-2     | Od                   |                | 27-Oct-14 18  | -322d     | Complete     | Reinstatement of   | Vertical Seawall (n     | ear PRE Office)       |                  |                   |   |                  |
| Reinstate M                  | lucking Out Access Shaft "C"  |             | ~                    |                |               | -         |              |                    |                         |                       | -                |                   |   |                  |
| S67240                       | Start reinstatement works (after completion of TPCWAW OHVD                          | 6d/wk       | Od                   | 26-Mar-16 08   | 1             | -102d     |              |                    |                         |                       |                  |                   |   | 1                |
| S67225                       | works)<br>Cest slab opening at top of CCT West bound (access shaft)                 | 6d/wk       | 18d                  | 28-Mar-16 08   | 16-Apr-16 18  | -102d     |              |                    |                         |                       |                  |                   | <ul> <li>Start reinstaten</li> </ul>  |                  |
| S67230                       | Removal of vertical shaft and backfilling   |             | _                    | 1.1.1.1.1.1.1  |               | 1.000     |              |                    | 1                       |                       |                  |                   | Cast slab o   | pening at top of |
|                              |   | 6d/wk       | 48d                  | 11-Apr-16 08   | 04-Jun-16 18  | -102d     |              |                    |                         |                       |                  |                   | R   | emoval of verti  |
| S67235                       | Reinstatement of pavement   | 6d/wk       | 12d                  | 30-May-16 08   | 11-Jun-16 18  | -102d     |              |                    | 1                       |                       |                  |                   | -   | Reinstatement    |
| TPCWAE - O                   | HVD / Cable Trough  |             |                      | line           | 1             |           |              |                    |                         |                       |                  |                   |   |                  |
| S5_7405                      | TPCWAE - Cable Trough (access through temp, opening at TZ5 & Portion 19)            | 6d/wk       | 48d                  | 04-Sep-15 08   | 02-Nov-15 18  | Od        |              |                    |                         | -                     | TPCWA            | - Cable Troug     | access through te   | mp. opening at   |
| S5_7400                      | TPCWAE - OHVD Slab AT Area A (access through temp.                                  | 6d/wk       | 48d                  | 04-Sep-15 08   | 02-Nov-15 18  | Od        |              |                    |                         |                       |                  | 1.000             | T Area A (access t  |                  |
| S5_59840                     | opening at TZ5 & Portion 19)<br>Completion of Section 5 - TPCWAE Area (KD10), below | 7d/wk-2     | Od                   |                | 02-Nov-15 18* | Dd        |              |                    |                         |                       |                  | 1.000             | . P   |                  |
|                              | -20mPD  | · stor a    |                      |                | 02-1404-10 10 | - Cu      |              |                    |                         |                       | Completi         | dn of Section 5 - | TPCWAE Area (KI   | 010), below -20  |
| Works in T                   | PCWAW A rea   |             |                      |                |               |           |              | 1                  | 1                       |                       |                  |                   | 1   | 1                |
| TPCWAW - T                   | Temporary Reclamation   |             | -                    |                |               |           | 1            |                    |                         |                       |                  |                   | 1   |                  |
| Temporary F                  | Reclamation -   |             |                      |                |               |           | 1            |                    |                         |                       |                  |                   | -   |                  |
| S6_9440                      | TPCWAW - place levelling stone and tamping, South side                              | 7d/wk-1     | 6d                   | 15-Oct-14 08   | 20-Oct-14 18  | -122d     | TPCWAW.      | niaca lovelline el | one and tamping, S      | auth aide             |                  |                   |   |                  |
| S6_9450                      | TPCWAW - place seawall block to +4 at South side (Qty: 569                          |             | 100                  |                |               |           |              |                    |                         |                       |                  |                   | 1   |                  |
|                              | nos. @ 50 nos/day)  | 7d/wk-1     | 12d                  | 21-Oct-14 08   | 01-Nov-14 18  | -122d     | TPCWAV       | V - place seawali  | block to +4 at South    | t side (Qty: 569 nos  | s. @ 50 nos/day) |                   |   |                  |
| S6_9465                      | TPCWAW - place levelling stone and tamping, North side                              | 7d/wk-1     | 6d                   | 02-Nov-14 08   | 07-Nov-14 18  | -122d     | TPCWA        | W - place levelli  | ng stone and tampir     | ng, North side        |                  |                   |   |                  |
| S6_9470                      | TPCWAW - place seawall blocks to +4 North side (Qty:672 nos<br>@ 50 nos/day )       | 7d/wk-1     | 14d                  | 08-Nov-14 08   | 21-Nov-14 18  | -122d     | TPC          | NAW - place sea    | wall blocks to +4 No    | orth side (Qty:672 n  | os @ 50 nos/day  | 13                |   |                  |
| S6_9495                      | TPCWAW - General fill to +2 within the seawall                                      | 7d/wk-1     | 17d                  | 15-Nov-14 08   | 01-Dec-14 18  | -122d     | TP           | CWAW - Genera      | i fill to +2 within the | seawall               |                  |                   |   |                  |
| S6_9490                      | TPCWAW - place seawall blocks to +4 at the temporary opening                        | 7d/wk-1     | 7d                   | 02-Dec-14 08   | 08-Dec-14 18  | -122d     |              | PCWAW - place :    | seawali blocks to +4    | at the temporary of   | nenina           |                   |   |                  |
| S6_9475                      | TPCWAW - Remaining General fill to +4 within the seawall.                           | 7d/wk-1     | 10d                  | 09-Dec-14 08   | 18-Dec-14 18  | -122d     |              |                    |                         |                       |                  |                   |   |                  |
|                              |   |             | 100                  | 55 500 14 00   | 10-000-14-10  | -1220     | -            | FGVVAVV - Ren      | naining General fill to | o +4 within the seav  | waii             |                   |   |                  |
| IPC WAW - D                  | Diaphragm Wall  |             |                      |                |               |           |              |                    |                         |                       |                  |                   |   | 1                |
| Diaphragm V                  | Wall  |             |                      |                |               |           | 1            |                    | 1                       |                       |                  |                   | 1   | 1                |
| S6_9385                      | Site investigation  | 7d/wk-1     | 49d                  | 01-Dec-14 08   | 21-Jan-15 18  | -113d     |              | Site invest        | igation                 |                       |                  |                   |   |                  |
| S6_8960                      | Install guide wall  | 7d/wk-1     | 40d                  | 17-Dec-14 08   | 28-Jan-15 18  | -120d     |              | Install gu         | ide wall                |                       |                  |                   |   |                  |
| S6_8955                      | Curtain grout along proposed diaphragm wall   | 7d/wk-1     | 40d                  | 19-Dec-14 08   | 30-Jan-15 18  | -122d     |              |                    | 1                       |                       |                  |                   |   |                  |
| 56_9382                      | Set up bentonite silo/plants and equipments   |             |                      |                |               |           |              |                    | grout along propose     |                       |                  |                   |   | 1                |
|                              |   | 7d/wk-1     | 30d                  | 19-Dec-14 08   | 20-Jan-15 18  | -112d     |              | Set up ber         | itonite silo/plants an  | d equipments          |                  |                   |   | 1                |
| S6_9345                      | Diaphragm wall construction (34 panels @ 3 panels/ week)                            | 7d/wk-1     | 68d                  | 30-Jan-15 08   | 14-Apr-15 18  | -141d     |              |                    | Diaphragm w             | vall construction (34 | panels @ 3 pane  | ls/ week)         |   |                  |
| S6_9350                      | Install shear pins on diaphragm wall  | 7d/wk-1     | 40d                  | 14-Mar-15 08   | 26-Apr-15 18  | -133d     |              |                    | Install shea            | ar pins on diaphragi  | m wall           |                   |   |                  |
| Summar                       | ry Bar 4 of 18  |             |                      |                | -             | 1         | 1.0          | P                  | repared by William      | Caluza                | -                |                   | 1   | 1                |
|                              | evel of Effort  | Construe    | tion Eng             | incentes (Lles | - Kanal I M   |           |              | Date               | Revision                | Checked App           | roved            |                   |   |                  |
| Actual W                     | vork  |             |                      | ineering (Hon  |               |           |              | Sep 1st submi      | ssion                   |                       | 0.00             | <b>古雨津</b> 知      | 工程(春港)  | 2-10 -11=        |
|                              | ing Work Contract No. HY/2009/15 - Central V  | Van Chai By | Pass -               | Tunnel ( Caus  | eway Bay Typh | hoon Shel | ter Section) |                    |                         | -                     |                  |                   | 工程(音·志)·  |                  |
|                              | Remaining Work  | NORKER      | BOOD                 |                |               |           |              |                    |                         |                       |                  |                   | and a real for the second s | TOTO NOTO LI     |
| <ul> <li>Mileston</li> </ul> | le V  | WORAS P     | RUGR                 | AMME REV       |               |           |              |                    |                         |                       |                  |                   |   |                  |

| /ity ID                      | Activity Name                   |   | Calendar   |                 | Start               | Finish        | Total      |              |           |              | -             | 2015   | -                   |                |                                      | 2016                | _              |
|------------------------------|---------------------------------|---|------------|-----------------|---------------------|---------------|------------|--------------|-----------|--------------|---------------|--|---------------------|----------------|--------------------------------------|---------------------|----------------|
| S6_9355                      | Install king posts              |   | 7d/wk-1    | Duration<br>40d | 14-Mar-15 08        | 26-Apr-15 18  | -133d      | Q4           | 0         | 21           | Q2            | and the second sec | Q3                  | Q4             | Q1                                   | Q2                  | Q3             |
| S6_8970                      | Diaphragm Wall F                | Mar Anna                                      |            |                 | and a second second |               |            |              |           | -            | Install       | king posts   |                     |                |                                      |                     | 1              |
|                              |                                 |   | 7d/wk-1    | 40d             | 20-Mar-15 08        | 03-May-15 18  | -129d      |              |           | -            | Diap          | hragm Wall   | Pile test           |                |                                      | *                   |                |
| S6_9375                      | Carry out contact/              | fissure grouting                              | 7d/wk-1    | 29d             | 21-Mar-15 08        | 22-Apr-15 18  | -141d      | 1            |           |              | Carry         | out contact/fi   | ssure grouting      |                |                                      |                     |                |
| TPCWAW-E                     | LS Works                        |   |            |                 |                     |               |            | 1            |           |              |               |  |                     |                |                                      |                     | -              |
| ELS Works                    |                                 |   |            |                 |                     |               |            | 1            |           | -            |               | 1  | -                   | 12             |                                      |                     |                |
| S6_9360                      | Install dewatering              | wells and piezometers                         | 7d/wk-1    | 20d             | 30-Mar-15 08        | 22-Apr-15 18  | -141d      |              |           | -            | 🔳 Install (   | dewatering v   | ells and piezon     | neters         |                                      |                     | 1              |
| S6_9365                      | Install indinometer             | s inside D-wall                               | 7d/wk-1    | 20d             | 15-Apr-15 08        | 05-May-15 18  | -141d      |              |           |              |               |  | ers inside D-wa     |                |                                      |                     | -              |
| S6_8975                      | Carry out pumping               | g tests                                       | 7d/wk-1    | 12d             | 23-Apr-15 08        | 05-May-15 18  | -141d      |              |           |              |               | y out pumpi  |                     |                |                                      |                     | 1              |
| S6_8980                      | 1st Layer - D Wa                | I conc over break if any & Soft Excavation    | 7d/wk-1    | 10d             | 06-May-15 08        | 15-May-15 18  | -141d      |              |           | 1            |               |  |                     | -mbru          |                                      |                     |                |
| S6 9260                      | Submit pumping te               |   | 7d/wk-1    | 1d              |                     | 1.000         |            | 111          |           | 1            |               |  |                     | break if an    | y & Soft Excavation                  |                     |                |
| S6_8985                      | 1st Layer - install I           |   |            |                 | 06-May-15 08        | 06-May-15 18  | -137d      | - I I I I    |           | 1            | Sub           | mit pumping  | test report         |                |                                      |                     |                |
|                              |                                 |   | 7d/wk-1    | 10d             | 16-May-15 08        | 26-May-15 18  | -141d      |              |           |              |               | 1st Layer - in   | istall lateral sup  | port           |                                      |                     |                |
| S6_8990                      | Install vibrating wi            |   | 7.d/wk-1   | 10d             | 16-May-15 08        | 26-May-15 18  | -141d      |              |           |              |               | Install vibrati  | ng wire strain g    | auge           |                                      |                     |                |
| S6_8995                      | 2nd Layer - D Wa                | Il conclover break if any & Soft Excavation   | 7d/wk-1    | 10d             | 18-May-15 08        | 28-May-15 18  | -141d      |              |           | 1            |               | 2nd Layer -  | D Wall conc ov      | er break if    | any & Soft Excavatio                 | n                   |                |
| S6_9000                      | 2nd Layer - install             | lateral support                               | 7d/wk-1    | 10d             | 29-May-15 08        | 07-Jun-15 18  | -141d      | 1            |           | 1            |               | 2nd Layer  | - install lateral   | support        |                                      |                     |                |
| S6_9005                      | 3rd Layer - D Wal               | I conc over break if any & Soft Excavation    | 7d/wk-1    | 10d             | 31-May-15 08        | 09-Jun-15 18  | -141d      | 1            |           |              |               | 3rd Layer  | - D Wall conc       | over break     | if any & Soft Excava                 | tion                |                |
| S6_9010                      | 3rd Layer - install             | lateral support                               | 7d/wk-1    | 10d             | 10-Jun-15 08        | 19-Jun-15 18  | -141d      | 1            |           |              |               | Srd Lay  | er - install latera | I support      |                                      |                     |                |
| S6_9015                      | 4th Layer - D Wal               | conc over break if any & Soft Excavation      | 7d/wk-1    | 10d             | 12-Jun-15 08        | 22-Jun-15 18  | -141d      |              |           |              |               | a 4th Lay  | er - D Wall con     | c over brea    | ak if any & Soft Exca                | vation              |                |
| S6_9020                      | 4th Layer - install I           | ateral support                                | 7d/wk-1    | 10d             | 23-Jun-15 08        | 03-Jul-15 18  | -141d      |              |           |              |               | 📫 4th L  | ayer - install lat  | eral suppor    | rt                                   |                     |                |
| S6_9025                      | 5th Layer - D Wa                | I conc over break if any & Soft Excavation    | 7d/wk-1    | 10d             | 25-Jun-15 08        | 05-Jul-15 18  | -141d      | 1            |           |              |               | 📩 5th L  | ayer - D Wall       | conc over l    | break if any & Soft E                | xcavation           |                |
| S6_9030                      | 5th Layer - install I           | ateral support                                | 7d/wk-1    | 10d             | 27-Jun-15.08        | 07-Jul-15 18  | -141d      |              |           |              |               |  | ayer - install la   |                | ************************************ |                     |                |
| S6_9035                      | 6th Layer - D Wa                | Il conc over break if any & Soft Excavation   | 7d/wk-1    | 10d             | 08-Jul-15 08        | 17-Jul-15 18  | -141d      |              |           |              |               |  | 1                   |                | er break if any & Sof                | Connection          |                |
| S6_9040                      | 6th Layer - install I           | ateral support                                | 7d/wk-1    | 10d             | 18-Jul-15 08        | 27-Jul-15 18  | -69d       |              |           | 8            |               |  | 5th Layer - inst    |                |                                      | Excavation          |                |
| TPCWAW - R                   | OCK EXCAVATION                  | J   |            |                 | 122722              | Ter san te te |            |              | -         | -            |               | 1.5  | om Layer - Inst     | all lateral st | трррп                                |                     | 1              |
| S6_6180                      | Rock excavation to              |   | dalate a l |                 |                     |               |            |              |           |              |               |  |                     |                | 1.1.1                                |                     |                |
|                              |                                 |   | 7d/wk-1    | 112d            | 18-Jul-15 08        | 09-Nov-15 18  | -141d      |              |           |              |               | -  |                     |                | excavation to forma                  | <i></i>             |                |
| S6_9370                      | Portion 11)                     | hor to D- Walls (area on west side, near      | 7d/wk-1    | 25d             | 20-Jul-15 08        | 13-Aug-15 18  | -69d       |              |           | Į.           |               | -  | Install tie ba      | k anchor t     | o D- Walls (area on                  | west side, near Po  | ntion 11)      |
| S6_9415                      | Install tie back and            | hor to D- Walls (east area)                   | 7d/wk-1    | 20d             | 20-Jul-15 08        | 08-Aug-15 18  | -69d       |              |           |              |               |  | Install tie bac     | k anchor to    | D- Walls (east area                  | 0                   | 1              |
| S6_9055                      | Provide Access to<br>Portion 11 | WDII Contractor for demolition of bulkhead at | 7d/wk-2    | Dd              |                     | 10-Nov-15 18  | -133d      |              |           | 1            |               | 1.1  |                     | Provi          | ide Access to WDII C                 | Contractor for demi | olition of bul |
| TPCWAW- CO                   | CT RC Structure                 |   |            |                 | -                   |               |            |              |           | 1            |               | -  |                     |                | 1                                    |                     |                |
| TPOWAW-C                     | CT / OHVD                       |   |            |                 |                     |               |            |              | -         | -            |               |  |                     | -              |                                      |                     |                |
| Summar                       | ry Bar                          | 5 of 18                                       |            |                 |                     |               |            | 4            |           | Dropp        | ared by Willi | am Columa  |                     | -              | _                                    |                     |                |
|                              | evel of Effort                  | Chies Stat                                    | Constant   | tion East       | Incode- (1)         | . Kanalitat   |            |              | Date      | R            | evision       |  | cked Approve        | d              |                                      |                     |                |
| Actual W                     |                                 | the state of the state of the                 |            |                 | ineering (Hon       |               |            |              | 26-Sep 1s | st submissio | n             |  |                     | BAR            | 前周道 第                                | て寝(家神)              | 2-10-11        |
|                              | ing Work                        | Contract No. HY/2009/15 - Central W           | an Chai B  | Pass -          | Tunnel ( Cause      | eway Bay Typh | noon Shelf | ter Section) |           | -            |               | -  |                     | esute          | 中國運業:<br>CHINA STATE CONSTR          |                     |                |
| <ul> <li>Mileston</li> </ul> | Remaining Work                  |   |            |                 | AMME REV.           | 100           |            |              |           |              |               |  |                     | -              |                                      |                     |                |

| NID                                      | Activity Name  | Calendar     | Original        | Start            | Finish       | Total          | and the second se |                        | 20                                | 015                     |                          |                     | 2016                 | -                  |
|--|--|--------------|-----------------|------------------|--------------|----------------|---|------------------------|-----------------------------------|-------------------------|--------------------------|---------------------|----------------------|--------------------|
| S6_9070                                  | TPCWAW Construct tunnel base slab  | 7d/wk-1      | Duration<br>50d | 23-Oct-15 08     | 11-Dec-15 18 | Float<br>-141d | Q4  | Q1                     | Q2                                | Q3                      | Q4                       | Q1                  | Q2                   | Q3                 |
|  |  |              |                 |                  |              |                |   |                        |                                   |                         |                          | TPCWAW Constr       | uct tunnel base slab |                    |
| S6_9075                                  | TPCWAW Construct tunnel wall + OHVD + roof slab  | 7d/wk-1      | 80d             | 13-Nov-15 08     | 02-Feb-16 18 | -141d          |   | 1                      |                                   |                         |                          | TPCW/               | W Construct tunne    | wall + OHVD +      |
| S6_9077                                  | TPCWAW - external waterproofing on top of completed CCT<br>box (ind. screeding)          | 7d/wk-1      | 26d             | 03-Feb-16 08     | 28-Feb-16 18 | -120d          |   | 1                      |                                   |                         |                          | TP                  | WAW - external w     | aterproofing or    |
| S6_9076                                  | TPCWAW King post load transfer   | 7d/wk-1      | 26d             | 03-Feb-16 08     | 28-Feb-16 18 | -120d          |   | 1                      |                                   |                         |                          | TF                  | WAW King post la     | ad transfer        |
| TPCWAW - F                               | Removal of Temporary Reclamation   |              |                 | -                |              |                |   | -                      |                                   |                         | _                        | 1                   |                      |                    |
| Removal of                               | Temporary Reclamation  |              |                 |                  |              |                |   |                        |                                   |                         |                          |                     |                      |                    |
| S6_9140                                  | Backfilling/Removal of ELS/ Reinstatement of sea wall at Portion                         | 7d/wk-1      | 30d             | 17-Feb-16 08     | 17-Mar-16 18 | -120d          |   |                        |                                   |                         |                          | _                   |                      |                    |
| S6_9105                                  | 11 (concurrent activities)<br>Remove general fill/ seawall block (concurrent activities) | 7d/wk-1      | 25d             | 06-Mar-16 08     |              |                |   | 1                      |                                   |                         |                          |                     | Backfilling/Remova   |                    |
|  |  |              |                 | C. L. CONTRACTOR | 30-Mar-16 18 | -120d          |   | 1                      |                                   |                         |                          |                     | Remove genera        | fill/ seawall bloc |
| S6_9120                                  | Saw cut diaphragm wall   | 7d/wk-1      | 63d             | 21-Mar-16 08     | 23-May-16 18 | -120d          |   |                        |                                   |                         |                          |                     | Saw                  | cut diaphragm w    |
| S6_7550                                  | Completion of Section 6- (KD11), above - 20mPD   | 7d/wk-2      | Od              |                  | 23-May-16 18 | -121d          |   | Ê                      |                                   |                         |                          |                     | Comp                 | letion of Section  |
| TPCWAW -C                                | able Trough/ Maintenance Walkway   |              |                 |                  | -            |                |   | 1                      |                                   |                         |                          |                     |                      |                    |
| S6_9085                                  | TPCWAW - Cable Trough (access through temp. opening at                                   | 7d/wk-2      | 24d             | 02-Mar-16 08     | 25-Mar-16 18 | -144d          | 1   | Į.                     |                                   |                         |                          |                     | TPCWAW - Cab         | e Trough (acces    |
| S6_9135                                  | Portion 19)<br>Completion of Section 5 - TPCWAW Area (KD10), below                       | 7d/wk-2      | b0              |                  | 25-Mar-16 18 | -144d          |   | 1                      |                                   |                         |                          |                     | Completion of Se     |                    |
| Worke in W                               | -20mPD<br>Van Chai PCWA (Portion 11)   |              | -               | -                |              | 1              |   |                        |                                   |                         |                          |                     | Completion of de     | alon 3 - TPC W     |
| 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | and succession of the same   |              |                 |                  |              |                |   |                        |                                   |                         |                          |                     |                      |                    |
| Initial Works                            | & Utilities Works  |              |                 |                  |              |                |   | 1                      |                                   |                         |                          |                     | 1                    |                    |
| S4_2810                                  | Installation of Hoarding   | 7d/wk-1      | 24d             | 05-May-14 08 A   | 17-Oct-14 18 | -58d           | Installation of   | f Hoarding             |                                   |                         |                          |                     |                      |                    |
| S4_2720                                  | Remove existing rock mound   | 7d/wk-1      | 24d             | 21-Oct-14 08     | 13-Nov-14 18 | -61d           | Remov   | e existing rock moun   | ď                                 |                         |                          |                     |                      |                    |
| S4_2750                                  | Carry out Site Investigation for BW1/BW2   | 7d/wk-1      | 12d             | 21-Oct-14 08     | 01-Nov-14 18 | -61d           | 📕 Carry ou  | Site Investigation for | BW1/BW2                           |                         |                          |                     |                      |                    |
| S4_2755                                  | BW1/BW2 Engineers confirmation of provisional Barrettes                                  | 7d/wk-1      | 0d              |                  | 07-Nov-14 18 | -61d           | ♦ BW1/B   | V2 Engineers confirm   | nation of provisio                | nal Parrettes           |                          |                     |                      |                    |
| Allow Acces                              | s to WDII  |              |                 |                  | Contra o Mas |                |   |                        | and of provide                    |                         |                          |                     |                      |                    |
| S4_2785                                  |  | 2 K 4 8      |                 |                  |              |                | 1   | 1                      |                                   |                         |                          |                     |                      |                    |
|  | Complete Section 4 - Portion 11 (KD9)  | 7d/wk-2      | 0d              |                  | 10-Nov-15 18 | -132d          |   |                        |                                   |                         | <ul> <li>Comp</li> </ul> | ete Section 4 - Pol | rtion 11 (KD9)       |                    |
| S4_2775                                  | Return Portion 11 to WDII  | 7d/wk-1      | b0              |                  | 10-Nov-15 18 | -129d          |   | 1                      |                                   |                         | Return                   | Portion 11 to WD    | 0                    |                    |
| Norks for                                | Mined Tunnel (Portion 16, 17, 18)  |              |                 |                  |              |                |   | 1                      |                                   |                         |                          | 1                   | 1                    |                    |
| SR8 (Tunnel                              | Excavation + Lining)   |              |                 |                  |              |                |   | t i                    |                                   |                         |                          | -                   |                      |                    |
| From West (                              | TPCWAE)  |              |                 |                  |              |                |   | 1                      |                                   |                         |                          |                     | -                    |                    |
| Heading Ex                               | cavation (2d/m, 24h/day work shift, 7d/week, no work on statut                           | ory holiday) | _               |                  |              | _              |   |                        |                                   |                         |                          |                     |                      |                    |
| A8676                                    | SR8 Heading Excavation From West, CH 4095- 4107 = 8m                                     |              | 404             |                  | 00.0         |                |   |                        |                                   | a transfer              |                          |                     |                      |                    |
|  | @2d/m  | 7d/wk-1a     | 16d             | 03-Sep-14 08 A   | 20-Sep-14 18 | 164d           | SR8 Heading E   | cavation From West     | , CH 4095- 410                    | 7 = 8m @2d/m            |                          |                     |                      |                    |
| Bench Exca                               | avation (1.5d-2d/m, 20m separation with heading)   |              |                 |                  |              |                |   |                        |                                   |                         |                          |                     |                      |                    |
| A8700                                    | SR8 Bench Excavation From West, CH 4055- 4065 = 10m                                      | 7d/wk-1a     | 20d             | 08-Sep-14 08 A   | 24-Sep-14 18 | 148d           | SR8 Bench Exca  | vation From West, C    | H 4055- 4065 =                    | 10m                     |                          |                     | 1                    |                    |
| Summa<br>Actual L<br>Actual V            | evel of Effort China Sta   |              |                 | jineering (Hon   |              |                | 26  |                        | ared by William (<br>evision<br>n | Caluza<br>Checked Appro | oved                     | 中國還算                | 工程(香港)纬              | 了限公司               |

| y ID                        | Activity Name   | Calendar      | Original | Start                      | Finish        | Total   |                          |                        |                      | 2015                   |        |                     | 2016                 |           |
|-----------------------------|---|---------------|----------|----------------------------|---------------|---------|--------------------------|------------------------|----------------------|------------------------|--------|---------------------|----------------------|-----------|
| 40705                       |   | -             | Duration | 05.0                       | 10 0 11 11 17 | Float   | Q4                       | Q1                     | Q2                   | Q3                     | Q4     | Q1                  | Q2                   | Q3        |
| A8705                       | SR8 Bench Excavation From West, CH 4065- 4075 = 10m             | 7d/wk-1a      | 20d      | 25-Sep-14 08               | 15-Oct-14 18  | 148d    | SRB Bench Ex             | cavation From V        | Vest, CH 4065-       | 4075 = 10m             |        |                     |                      |           |
| A8685                       | SR8 Bench Excavation From West, CH 4075- 4085 = 10m             | 7d/wk-1a      | 20d      | 16-0d-14 08                | 04-Nov-14 18  | 148d    | SR8 Benc                 | h Excavation Fro       | m West, CH 40        | 75- 4085 = 10m         |        |                     |                      |           |
| A8680                       | SR8 Bench Excavation From West, CH 4085- 4095 = 10m             | 7d/wk-1a      | 20d      | 05-Nov-14 08               | 24-Nov-14 18  | 148d    | SR8 B                    | lench Excavation       | From West, Ci        | H 4085- 4095 = 10m     |        |                     |                      |           |
| A8725                       | SR8 Bench Excavation From West, CH 4095- 4100 = 5m              | 7d/wk-1a      | 10d      | 25-Nov-14 08               | 04-Dec-14 18  | 148d    | SRB                      | Bench Excavatio        | n From West, 0       | CH 4095- 4100 = 5m     |        |                     |                      |           |
| From East (                 | (TS4)   |               | -        |                            |               | -       |                          |                        |                      |                        |        | -                   | -                    |           |
| Heading E                   | xcavation (2d/m, 24h/day work shift, 7d/week, no work on statu  | tory holiday) | -        |                            |               |         |                          |                        |                      |                        | -      | -                   |                      |           |
| A8495                       | SR8 Heading Excavation From East CH 4115- 4107 = 8m             | 7d/wk-1a      | 16d      | 15-Sep-14 08 A             | 28-Sep-14 18  | 10d     | SR8 Heading Exc          | avation From Ea        | ast CH 4115- 41      | 07 = 8m @2d/m          |        |                     |                      |           |
| Bench Exc                   | @2d/m<br>cavation (1.5d/m, 20m separation with heading)         |               | -        |                            | -             | -       |                          | _                      |                      |                        |        |                     |                      |           |
| A8455                       | SR8 Bench Excavation From East, CH 4147.5- 4135 = 12.5m         | 7d/wk-1a      | 19d      | 20-Sep-14 08               | 09-Oct-14 18  | Od      | SR8 Bench Exc            | avation From Ea        | st. CH 4147.5-       | 4135 = 12.5m           |        |                     |                      |           |
| A8470                       | SR8 Bench Excavation From East, CH 4135- 4125 = 10m             | 7d/wk-1a      | 15d      | 10-Oct-14 08               | 24-Oct-14 18  | Od      | SR6 Bench i              |                        |                      |                        |        |                     |                      |           |
| 0.8.05                      | THE PROPERTY OF A REAL PROPERTY OF A                            |               | 4.55     | A CONTRACTOR OF A CONTRACT |               | 1       | 14                       |                        |                      |                        |        |                     |                      |           |
| A8460                       | SR8 Bench Excavation From East, CH 4125- 4115 = 10m             | 7d/wk-1a      | 15d      | 25-Oct-14 08               | 08-Nov-14 18  | Od      |                          | ch Excavation Fr       | 1                    |                        |        |                     |                      |           |
| A8465                       | SR8 Bench Excavation From East, CH 4115- 4100 = 15m             | 7d/wk-1a      | 23d      | 09-Nov-14 08               | 01-Dec-14 18  | Od      | SR8                      | Bench Excavatio        | on From East, C      | H 4115- 4100 = 15m     |        | 1.2                 |                      |           |
| Tunnel Lini                 | ing Works   |               |          |                            |               |         |                          |                        |                      |                        |        |                     |                      |           |
| From West                   | t - Base Slab (10m/bay, 10m separation with benching excavation | on)           |          |                            |               |         |                          |                        | -                    |                        |        |                     |                      |           |
| A8525                       | SR8, From West, CH 4015 - 4025 = 10m/bay, base slab             | 7d/wk-1a      | 10d      | 15-Sep-14 08 A             | 04-Oct-14 18  | 137d    | SR8, From Wes            | t, CH 4015 - 402       | 5 = 10m/bay, ba      | ase slab               |        | 1.1.1.1.1           |                      | -         |
| A8530                       | SR8, From West,CH 4025 - 4035 = 10m/bay, base slab              | 7d/wk-1a      | 10d      | 05-Oct-14 08               | 14-Oct-14 18  | 163d    | SR8, From W              | est,CH 4025 - 40       | )<br>35 = 10m/bay, 1 | base slab              |        |                     |                      |           |
| A8535                       | SR8, From West,CH 4035 - 4045 = 10m/bay, base slab              | 7d/wk-1a      | 8d       | 15-Oct-14 08               | 22-Oct-14 18  | 165d    | SR8, From                | Vest,CH 4035 - 4       | 4045 = 10m/bay       | , base slab            |        |                     |                      |           |
| A8540                       | SR8, From West, CH 4045 - 4055 = 10m/bay, base slab             | 7d/wk-1a      | 8d       | 23-Oct-14 08               | 30-Oct-14 18  | 165d    | SR8 From                 | West, CH 4045          | - 4055 = 10m/b       | av base slab           |        |                     |                      |           |
|                             | · · · · · ·   |               |          |                            | a march a sea | 160d    |                          |                        |                      |                        |        |                     |                      | £.        |
| A8545                       | SR8, From West, CH 4055 - 4065 = 10m/bay, base slab             | 7d/wk-1a      |          | 05-Nov-14 08               | 12-Nov-14 18  |         |                          | om West, CH 40         |                      |                        |        |                     |                      | 12        |
| A8550                       | SR8, From West, CH 4065 - 4075 = 10m/bay, base slab             | 7d/wk-1a      | 8d       | 25-Nov-14 08               | 02-Dec-14 18  | 148d    | SR8                      | , From West, CH        | 4065 - 4075 =        | 10m/bay, base slab     |        |                     |                      |           |
| A8555                       | SR8, From West, CH 4075 - 4085 = 10m/bay, base slab             | 7d/wk-1a      | 8d       | 05-Dec-14 08               | 12-Dec-14 18  | 148d    | <b>S</b>                 | R8, From West, 0       | CH 4075 - 4085       | = 10m/bay, base slab   |        |                     | 1                    |           |
| A8560                       | SR8, From West, CH 4085 - 4095 = 10m/bay, base slab             | 7d/wk-1a      | 8d       | 13-Dec-14 08               | 20-Dec-14 18  | 150d    |                          | SR8, From West         | CH 4085 - 409        | 95 = 10m/bay, base sli | ib     |                     |                      |           |
| A8561                       | SR8, From West, CH 4095 - 4105 = 10m/bay, base slab             | 7d/wk-1a      | 8d       | 21-Dec-14 08               | 29-Dec-14 18  | 152d    |                          | SR8, From We           | st, CH 4095 - 4      | 105 = 10m/bay, base    | slab   |                     |                      |           |
| A8562                       | SR8, From West, CH 4105 - 4115 = 10m/bay, base slab             | 7d/wk-1a      | 8d       | 30-Dec-14 08               | 07-Jan-15 18  | 154d    |                          | SR8, From W            | /est, CH 4105 -      | 4115 = 10m/bay, basi   | slab   |                     |                      |           |
| From West                   | t - Lining (5mibay, 10m separation with base slab)              |               | -        |                            |               | -       |                          |                        |                      |                        |        | -                   |                      | -         |
| A8575                       | SR8, From West, CH 3995 - 4000 = 1bay, lining                   | 7d/wk-1a      | 9d       | 20-Sep-14 08               | 28-Sep-14 18  | Dd      | SR8, From West           | CH 3995 - 4000         | = 1bay, lining       |                        |        |                     |                      |           |
|                             |   |               |          |                            |               |         | SR8, From W              |                        | 1                    |                        |        |                     |                      | 1         |
| A8580                       | SR8, From West, CH 4000 - 4005 = 1bay, lining                   | 7d/wk-1a      |          | 05-Oct-14 08               | 13-Oct-14 18  | 137d    | HE LINE                  |                        | 1.1.1.1.1            | 28                     |        |                     |                      |           |
| A8585                       | SR8, From West, CH 4005 - 4010 = 1bay, lining                   | 7d/wk-1a      | 9d       | 14-Oct-14 08               | 22-Oct-14 18  | 137d    | SR8, From                |                        |                      |                        |        |                     |                      |           |
| A8590                       | SR8. From West, CH 4010 - 4015 = 1bay, lining                   | 7d/wk-1a      | 9d       | 23-Oct-14 08               | 31-Oct-14 18  | 137d    | SR8, From                | n West, CH 4010        | + 4015 = 1bay,       | lining                 |        |                     |                      |           |
| Summa                       | ary Bar 7 of 18   |               |          |                            |               |         |                          |                        | repared by Willia    |                        |        |                     |                      |           |
| Actual                      | Level of Effort China St  | ate Constru   | ction En | gineering (Hor             | g Kong) Ltd   |         |                          | Date<br>Sep 1st submit | Revision             | Checked Ap             | proved |                     | 1 and a state of the |           |
| Actual Remain               | Work  |               |          |                            |               | hoos Sh | Second Street and Street |                        |                      |                        | -CIVE- |                     | エ霍(香港)               |           |
|                             | ining Work Contract No. HY/2009/15 - Central                    | wan Chai E    | y Pass - | i unnei ( Caus             | eway Bay Typ  | noon Sh | letter Section)          |                        |                      |                        |        | CHINA STATE CONSTRU | UCTION ENGINEERING   | CHONG KON |
| <ul> <li>Milesto</li> </ul> |   | WORKS         | ROGE     | AMME REV                   | . M           |         |                          |                        |                      |                        |        |                     |                      |           |

| D                | Activity Name            |   | Calendar      | Original  | Start                    | Finish       | Total            |         | -                 | 21                   | 015                |          | -  |                                | 2016             |               |
|------------------|--------------------------|---|---------------|-----------|--------------------------|--------------|------------------|---------|-------------------|----------------------|--------------------|----------|--|--------------------------------|------------------|---------------|
| A8595            | SPR From Work C          |   | 746.4.4-      | Duration  |                          |              | Float            | Q4      | Q1                | Q2                   | Q3                 |          | Q4   | Q1                             | Q2               | Q3            |
| 1100 L           | SR8, From West, C        | CH 4015 - 4020 = 1bay, lining   | 7d/wk-1a      | 9d        | 01-Nov-14 08             | 09-Nov-14 18 | 137d             | SR8, Fr | om West, CH 4015  | i - 4020 = 1bay, lin | ining              |          |  |                                |                  |               |
| A8600            | SR8, From West, C        | CH 4020 - 4025 = 1bay, lining   | 7d/wk-1a      | 9d        | 10-Nov-14 08             | 18-Nov-14 18 | 137d             | SR8, F  | rom West, CH 402  | 20 - 4025 = 1bay,    | lining             |          |  | 11.11                          |                  |               |
| A8605            | SR8, From West, C        | CH 4025 - 4030 = 1bay, lining   | 7d/wk-1a      | 5d        | 19-Nov-14 08             | 23-Nov-14 18 | 137d             | SR8,    | From West, CH 40  | 025 - 4030 = 1bay    | y, lining          |          |  |                                |                  |               |
| A8610            | SR8, From West, C        | CH 4030 - 4035 = 1bay, lining   | 7d/wk-1a      | 5d        | 24-Nov-14 08             | 28-Nov-14 18 | 137d             | SR8     | From West, CH 4   | 1030 - 4035 = 1br    | ay, lining         |          |  |                                |                  |               |
| A8615            | SR8, From West, C        | CH 4035 - 4040 = 1bay, lining   | 7d/wk-1a      | 5d        | 29-Nov-14 08             | 03-Dec-14 18 | 137d             | I SR    | B, From West, CH  | 4035 - 4040 = 1b     | bay, lining        |          |  |                                |                  |               |
| A8620            | SR8, From West, C        | CH 4040 - 4045 = 1bay, lining   | 7d/wk-1a      | 5d        | 04-Dec-14 08             | 08-Dec-14 18 | 137d             | I SF    | 8, From West, CH  | 1 4040 - 4045 = 1    | bay, lining        |          |  |                                |                  |               |
| A8625            | SR8, From West, C        | CH 4045 - 4050 = 1bay, lining   | 7d/wk-1a      | 5d        | 09-Dec-14 08             | 13-Dec-14 18 | 137d             | 1 S     | R8, From West, Ci | H 4045 - 4050 =      | 1bay, lining       |          |  |                                |                  |               |
| A8630            | SR8, From West, C        | CH 4050 - 4055 = 1bay, lining   | 7d/wk-1a      | 5d        | 14-Dec-14 08             | 18-Dec-14 18 | 137d             |         | SR8, From West, C | CH 4050 - 4055 =     | = 1bay, lining     |          |  |                                |                  |               |
| A8635            | SR8, From West, C        | CH 4055 - 4060 = 1bay, lining   | 7d/wk-1a      | 5d        | 19-Dec-14 08             | 23-Dec-14 18 | 137d             |         | SR8, From West,   | CH 4055 - 4060       | = 1bay, lining     |          |  |                                |                  |               |
| A8640            | SR8, From West, C        | CH 4060 - 4065 = 1bay, lining   | 7d/wk-1a      | 5d        | 24-Dec-14 08             | 29-Dec-14 18 | 137d             |         | SR8, From West,   | I, CH 4060 - 4065    | 5 = 1bay, lining   |          |  |                                |                  |               |
| A8645            | SR8, From West, C        | CH 4065 - 4070 = 1bay, lining   | 7d/wk-1a      | 5d        | 30-Dec-14 08             | 04-Jan-15 18 | 137d             |         | SR8, From Wes     | st, CH 4065 - 401    | 70 = 1bay, lining  |          |  |                                |                  |               |
| A8647            | SR8, From West, C        | CH 4070 - 4075 = 1bay, lining   | 7d/wk-1a      | 5d        | 05-Jan-15 08             | 09-Jan-15 18 | 137d             |         | SR8, From We      | est, CH 4070 - 40    | 075 = 1bay, linin  |          |  |                                |                  |               |
| A8648            | SR8, From West, C        | CH 4075 - 4080 = 1bay, lining   | 7d/wk-1a      | 5d        | 10-Jan-15 08             | 14-Jan-15 18 | 137d             |         | SR8, From W       | Vest, CH 4075 - 4    | 1080 = 1bay, linir | ng       |  |                                |                  |               |
| A8649            | SR8, From West, C        | CH 4080 - 4085 = 1bay, lining   | 7d/wk-1a      | 5d        | 15-Jan-15 08             | 19-Jan-15 18 | 137d             |         | SR8, From V       | West, CH 4080 - 4    | 4085 = 1bay, lin   | ing      |  | 1                              |                  |               |
| A8651            | SR8, From West, C        | CH 4085 - 4090 = 1bay, lining   | 7d/wk-1a      | 5d        | 20-Jan-15 08             | 24-Jan-15 18 | 137d             |         | SR8, From         | West, CH 4085 -      | - 4090 = 1bay, li  | gning    |  |                                |                  |               |
| A8652            | SR8, From West, C        | CH 4090 - 4095 = 1bay, lining   | 7d/wk-1a      | 5d        | 25-Jan-15 08             | 29-Jan-15 18 | 137d             |         | SR8, From         | n West, CH 4090      | - 4095 = 1bay,     | lining   |  |                                |                  |               |
| A8653            | SR8, From West, C        | CH 4095 - 4100 = 1bay, lining   | 7d/wk-1a      | 5d        | 30-Jan-15 08             | 03-Feb-15 18 | 137d             |         | SR8, Fro          | m West, CH 4095      | 5 - 4100 = 1bay    | lining   |  |                                |                  |               |
| A8654            | SR8, From West, C        | CH 4100 - 4105 = 1bay, lining   | 7d/wk-1a      | 5d        | 04-Feb-15 08             | 08-Feb-15 18 | 137d             |         | SR8, Fre          | om West, CH 410      | 00 - 4105 = 1ba    | , lining |  | 1                              |                  |               |
| From East -      | Base Slab (10m/bay       | y, 10m separation with benching excavat   | ion)          | -         |                          |              |                  |         |                   |                      |                    |          | _  |                                |                  |               |
| A9775            | SR8 From East, C         | CH 4149.5- 4145 = 4.5m, base slab   | 7d/wk-1a      | 8d        | 02-Dec-14 08             | 09-Dec-14 18 | Od               | s s     | R8 From East, CH  | 4 4149,5- 4145 =     | 4.5m, base slat    | ,        |  |                                |                  |               |
| A9780            | SR8 From East, C         | CH 4145 - 4135 = 10m/bay, base slab   | 7d/wk-1a      | 8d        | 10-Dec-14 08             | 17-Dec-14 18 | Od               |         | SR8 From East, C  | CH 4145 - 4135 =     | 10m/bay, base      | slab     |  |                                |                  |               |
| A9785            | SR8 From East, C         | CH 4135 - 4125 = 10m/bay, base slab   | 7d/wk-1a      | 8d        | 18-Dec-14 08             | 26-Dec-14 18 | 8d               |         | SR8 From East,    |                      |                    |          |  |                                |                  | i.            |
| A9786            | SR8 From East, C         | CH 4125 - 4115 = 10m/bay, base slab   | 7d/wk-1a      | 8d        | 27-Dec-14 08             | 04-Jan-15 18 | 10d              |         |                   | a, CH 4125 - 411     |                    | E.       |  |                                |                  |               |
| From East -      | Linung (Sm/bay, 10m      | m separation willi base slab)   |               |           |                          |              |                  |         |                   |                      | 1                  |          |  |                                |                  | -             |
| A9820            |                          | H 4149.5 - 4145 = 4.5m,1 bay, lining  | 7d/wk-1a      | 5d        | 18-Dec-14 08             | 22-Dec-14 18 | Dd               |         | From East, SR8 C  | CH 4149 5 - 4145     | = 4.5m 1 bay I     | nind     |  |                                |                  |               |
| A9815            |                          | H 4145 - 4140 = 1bay, lining  | 7d/wk-1a      | 1         | 23-Dec-14 08             | 28-Dec-14 18 | 6d               |         | From East, SR8    |                      |                    |          |  |                                |                  |               |
| A9810            |                          | CH 4140 - 4135 = 1bay, lining   | 7d/wk-1a      | 1         | 29-Dec-14 08             | 03-Jan-15 18 | 6d               | 1       | From East, SR     |                      | 1                  |          |  | 1                              |                  |               |
| A9805            |                          | H 4135 - 4130= 1bay, lining   | 7d/wk-1a      | 1.1.1     | 04-Jan-15 08             | 08-Jan-15 18 | 6d               |         | From East, SR     |                      |                    |          |  |                                |                  | 1             |
| Conserved States | From Eday on o Cr        | CLICE THE INSY MILLY  | , univer la   | 50        | 01-000-10 00             |              | WW I             |         | - FIOIR Edou OR   | 0.51141554415        | inelt minig        | 2.1      | -  | -                              | _                |               |
| -                |                          | 8 of 18   |               |           |                          |              |                  | -       | Pro               | epared by William    | Caluza             |          | _  |                                |                  |               |
| Actual L         | ry Bar<br>evel of Effort | and the second se |               |           | the second second second |              |                  |         | Date              | Revision             | Checked            | Approved |  |                                |                  |               |
| Actual V         |                          | China S   | State Constru | ction Eng | gineering (Hor           | ig Kong) Ltd |                  | 26-     | Sep 1st submiss   | sion                 |                    |          | -  |                                | - 39 / 3E Set \s |               |
|                  | ing Work                 | Contract No. HY/2009/15 - Centra  | al Wan Chai B | v Pass -  | Tunnel ( Caus            | eway Bay Typ | hoon Shelter Sec | tion)   |                   |                      |                    | -        | salies   | 中國連票工<br>CHINA STATE CONSTINUE |                  |               |
|                  | Remaining Work           |   |               |           |                          |              |                  |         |                   |                      | -                  |          | No. of Lot of Lo | CHINA SIAR CONSTRUC            | THUN ENGINEERING | OUCH RONG) [] |
|                  |                          |   | WORKS         | ROGR      | AMME REV                 | M            |                  | -       |                   |                      | -                  |          |  |                                |                  |               |
| Mileston         | 0                        |   |               |           |                          |              |                  |         |                   |                      |                    |          |  |                                |                  |               |

| ity ID                                  | Activity Name             |  | Calendar       | Original | Start          | Finish        | Total     |             | 1.                | -                             | 2015   | -               |                      | 2016                              |    |
|---|---------------------------|--|----------------|----------|----------------|---------------|-----------|-------------|-------------------|-------------------------------|--|-----------------|----------------------|-----------------------------------|----|
| 40870                                   | From Fact ODA OT          | 00 4405 46 F.                                |                | Duration |                |               | Float     | Q4          | Q1                | Q2                            | Q3   | Q4              | Q1                   | Q2                                | Q3 |
| A9870                                   | From East, SR8 CH 41      | 30 - 4125 = 1bay, lining                     | 7d/wk-1a       | 5d       | 09-Jan-15 08   | 13-Jan-15 18  | 6d        | 1           | From East, S      | SR8 CH 4130 - 4               | 125 = 1bay, lining   |                 |                      | 1                                 |    |
| A9800                                   | From East, SR8 CH 41      | 25 - 4120 = 1bay, lining                     | 7d/wk-1a       | 5d       | 14-Jan-15 08   | 18-Jan-15 18  | 143d      | 1.1.1       | From East,        | SR8 CH 4125 - 4               | 120 = 1bay, lining   |                 |                      |                                   |    |
| A9860                                   | From East, SR8 CH 41      | 20 - 4115 = 1bay, lining                     | 7d/wk-1a       | 5d       | 19-Jan-15 08   | 23-Jan-15 18  | 143d      |             | From East         | SR8 CH 4120 -                 | 4115 = 1bay, lining  |                 |                      |                                   |    |
| A9855                                   | From East, SR8 CH 41      | 15 - 4110 = 1bay, lining                     | 7d/wk-1a       | 5d       | 24-Jan-15 08   | 28-Jan-15 18  | 143d      |             | 1 From Eas        | st, SR8 CH 4115               | 4110 = 1bay, lining  |                 |                      |                                   |    |
| A9850                                   | From East, SR8 CH 41      | 10 - 4105 = 1bay, lining                     | 7d/wk-1a       | 5d       | 29-Jan-15 08   | 02-Feb-15 18  | 143d      | 1           | 1.00007           | 1                             | - 4105 = 1bay, lining  |                 |                      |                                   |    |
| OHVD(10m                                | n/bay) / Utility Trough   |  |                |          | 1.000 0.0      |               |           | 1           |                   |                               | in the second se |                 | -                    |                                   |    |
| A8570                                   | SR8 Tunnel OHVD and       | utility trough =, 167= 17 bays @             | 7d/wk-1a       | 120d     | 09-Feb-15 08   | 13-Jun-15 18  | 137d      |             | -                 | -                             | SR8 Tunnel OHVD an   | d utility troug | b - 167- 17 hour 6   | 0 10-the @ 7/the                  |    |
| EB Outer Tu                             | 10m/bay @ 7d/bay          |  | 1.54125.5      |          |                | The sector of |           |             |                   | -                             | and runner of the un   | a adiny troag   | IT - TOT - TY Days ( | g Torribay @ Torbay               |    |
| From West                               |                           |  |                |          |                |               | _         | 1           | _                 |                               |  | _               |                      |                                   |    |
| _                                       |                           | A8   |                |          |                | _             |           | 0           |                   | 1                             |  |                 |                      |                                   |    |
|   |                           | n, 20m separation with heading)              |                |          |                |               |           |             | 1.1               | 1                             |  |                 |                      |                                   |    |
| A9550                                   | EB, Outer Bench From      | West, CH 4035- 4045 = 10m                    | 7d/wk-1a       | 30d      | 07-Aug-14 08 A | 20-Oct-14 18  | 135d      | EB, Outer I | Sench From West,  | CH 4035- 4045                 | = 10m  |                 |                      |                                   |    |
| A9555                                   | EB, Outer Bench From      | West, CH 4045- 4055 = 10m (2d/m)             | 7d/wk-1a       | 20d      | 20-Oct-14 08   | 08-Nov-14 18  | 135d      | EB, Ou      | ter Bench From W  | Vest, CH 4045- 40             | 955 = 10m (2d/m)   |                 |                      |                                   |    |
| A9560                                   | EB, Outer Bench From      | West, CH 4055- 4065 = 10m (2d/m)             | 7d/wk-1a       | 20d      | 09-Nov-14 08   | 28-Nov-14 18  | 135d      | EB.         | Outer Bench From  | m West, CH 4055               | 5- 4065 = 10m (2d/m)   |                 |                      |                                   |    |
| A9565                                   | EB, Outer Bench From      | West, CH 4065- 4075 = 10m (2d/m)             | 7d/wk-1a       | 20d      | 29-Nov-14 08   | 18-Dec-14 18  | 135d      | -           | EB, Outer Bench   | From West, CH                 | 4065- 4075 = 10m (2d/i   | n)              |                      |                                   |    |
| A9520                                   | EB, Outer Bench From      | West, CH 4075- 4085 = 10m (2d/m)             | 7d/wk-1a       | 20d      | 19-Dec-14 08   | 09-Jan-15 18  | 135d      |             | EB, Outer Be      | ench From West,               | CH 4075- 4085 = 10m  | (2d/m)          |                      |                                   |    |
| A9545                                   | EB, Outer Bench From      | West, CH 4085- 4095 = 10m 1.5d/m)            | 7d/wk-1a       | 15d      | 10-Jan-15 08   | 24-Jan-15 18  | 135d      |             | EB, Outer         | Bench From We                 | st, CH 4085- 4095 = 10   | Im 1.5d/m)      |                      |                                   |    |
| From East (                             | (TS4)                     |  |                |          |                |               | -         |             |                   | 1                             |  |                 | -                    |                                   |    |
| Outer Ben                               | ch Excavation (1.5d-2d/m  | , 20m separation with heading)               |                | -        |                |               | -         | -           |                   | 1                             |  |                 | _                    |                                   |    |
| A9605                                   |                           | East, CH 4147.5 - 4145 = 2.5m                | 7d/wk-1a       | 30d      | 20-Oct-14 08*  | 18-Nov-14 18  | 120d      |             |                   | 1                             |  |                 |                      |                                   |    |
|   |                           |  |                |          |                |               |           |             | uter Bench From   |                               |  |                 |                      |                                   |    |
| A9610                                   |                           | East, CH 4145- 4135 = 10m (2d/m)             | 7d/wk-1a       | 20d      | 19-Nov-14 08   | 08-Dec-14 18  | 120d      | - E         | B, Outer Bench Fr | rom East, CH 414              | 5+ 4135 = 10m (2d/m)   |                 |                      |                                   |    |
| A9615                                   | EB, Outer Bench From      | East, CH 4135- 4125 = 10m (2d/m)             | 7d/wk-ta       | 20d      | 09-Dec-14 08   | 29-Dec-14 18  | 120d      |             | EB, Outer Bend    | ch From East, CH              | 4135- 4125 = 10m (2d   | /m)             |                      |                                   |    |
| A9620                                   | EB, Outer Bench From      | East, CH 4125- 4115 = 10m (2d/m)             | 7d/wk-1a       | 20d      | 30-Dec-14 08   | 19-Jan-15 18  | 120d      |             | EB, Outer B       | Bench From East               | CH 4125- 4115 = 10m  | (2d/m)          |                      |                                   |    |
| A9625                                   | EB, Outer Bench From      | East, CH 4115- 4105 = 10m (2d/m)             | 7d/wk-1a       | 20d      | 20-Jan-15 08   | 08-Feb-15 18  | 120d      |             | EB, Ou            | iter Bench From I             | East, CH 4115- 4105 =  | 10m (2d/m)      |                      |                                   |    |
| A9630                                   | EB, Outer Bench From      | East, CH 4105- 4095 = 10m (1.5d/m)           | 7d/wk-1a       | 15d      | 09-Feb-15 08   | 26-Feb-15 18  | 120d      |             | EB,               | Outer Bench Fro               | om East, CH 4105- 409  | 5 = 10m (1.5    | id/m)                |                                   |    |
| EB (Inner Tu                            | unnel Excavation + Linin  | ng)  |                |          |                |               |           |             |                   |                               |  |                 |                      |                                   |    |
| From West                               | (TPCWAE)                  |  |                |          |                |               |           | 1           |                   | 1                             |  |                 |                      |                                   |    |
| Inner Head                              | ding Excavation (2d/m, 24 | hiday work shift, 7d/week, no work on        | statutory holi | day)     |                | -             | -         | 1           |                   | 1                             |  |                 | -                    |                                   |    |
| A8805                                   | EB,Inner Heading From     | West, CH 3992- 4005 = 13m @3d/m              | 7d/wk-1a       | 39d      | 29-Sep-14 08   | 07-Nov-14 18  | Od        | EB.Inne     | r Heading From V  | Vest, CH 3992- 4              | 005 = 13m @3d/m  |                 |                      |                                   |    |
|   | EB,Inner Heading From     | West, CH 4005- 4015 = 10m @2d/m              | 7d/wk-1a       | 20d      | 08-Nov-14 08   | 27-Nov-14 18  | Od        |             |                   | 1                             | )5- 4015 = 10m @2d/m   |                 |                      |                                   |    |
| A8815                                   |                           |  |                |          |                |               |           |             | 1                 | 1                             | 2  | -               |                      | L                                 |    |
|   | lo -                      | 10   |                |          |                |               |           |             | Date              | epared by Willian<br>Revision | Caluza<br>Checked Approv   | /ed             |                      |                                   |    |
| Summa                                   |                           |  |                |          |                |               |           |             |                   |                               |  |                 |                      |                                   |    |
| Summa                                   | Level of Effort           | China St                                     | ate Construc   | tion Eng | gineering (Hon | g Kong) Ltd   |           | 26          | -Sep 1st submis   |                               |  | -               |                      |                                   | -  |
| Summa<br>Actual L                       | Level of Effort<br>Work   |  |                |          |                |               | hoon Shel | -           | -Sep 1st submis   |                               |  | PDC             |                      | 工程(吾港)家                           |    |
| Summa<br>Actual I<br>Actual \<br>Remain | Level of Effort<br>Work   | China St<br>ontract No, HY/2009/15 - Central |                |          |                |               | hoon Shel | -           | -Sep 1st submis   |                               |  | CSDEc           |                      | 工程(吾·苯)寻<br>RUCTION ENGINEERING @ |    |

| ID         | Activity Name   | Calendar      | Original<br>Duration | Start         | Finish        | Total<br>Float | 2015 2016   |
|------------|---|---------------|----------------------|---------------|---------------|----------------|---|
| A8820      | EB,Inner Heading From West, , CH 4015- 4025 = 10m @2d/m         | 7d/wk-1a      |                      | 28-Nov-14 08  | 17-Dec-14 18  | 0d             | Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3           Image: EB,Inner Heading From West, , CH 4015- 4025 = 10m @2d/m         EB,Inner Heading From West, , CH 4015- 4025 = 10m @2d/m         Q3         Q4         Q1         Q2         Q3         Q3         Q4         Q4 |
| A8780      | EB,Inner Heading From West, CH 4025- 4035 = 10m @2d/m           | 7d/wk-1a      | 20d                  | 18-Dec-14 08  | 08-Jan-15 18  | Od             |   |
| A8810      | EB,Inner Heading From West, , CH 4035- 4045 = 10m @2d/m         | 7d/wk-1a      |                      |               |               |                | EBInner Heading From West, CH 4025- 4035 = 10m @2d/m  |
| A8785      | EB,Inner Heading From West, , CH 4045- 4055 = 10m @2d/m         | _             | 20d                  | 09-Jan-15 08  | 28-Jan-15 18  | Od             | EB,Inner Heading From West, CH 4035- 4045 = 10m @2d/m   |
| A8790      |   | 7d/wk-1a      |                      | 29-Jan-15 08  | 17-Feb-15 18  | Od             | EB,Inner Heading From West, CH 4045- 4055 = 10m @2d/m   |
|            | EB,Inner Heading From West, CH 4055- 4065 = 10m @ 2d/m          | 7d/wk-1a      | 20d                  | 18-Feb-15 08  | 12-Mar-15 18  | 0d             | EB.Inner Heading From West, CH 4055- 4065 = 10m @ 2d/m  |
| A8795      | EB,Inner Heading From West, , CH 4065- 4075 = 10m, @ 2d/m       | 7d/wk-1a      | 20d                  | 13-Mar-15 08  | 01-Apr-15 18  | 0d             | EB,Inner Heading From West, , CH 4065- 4075 = 10m, @ 2d/m   |
| A8800      | EB,Inner Heading From West, CH 4075- 4085 = 10m @ 2d/m          | 7d/wk-1a      | 20d                  | 02-Apr-15 08  | 22-Apr-15 18  | 0d             | EB.Inner Heading From West, CH 4075- 4085 = 10m @ 2d/m  |
| A8825      | EB,Inner Heading From West, CH 4085- 4095 = 10m @ 2d/m          | 7d/wk-1a      | 20d                  | 23-Apr-15 08  | 13-May-15 18  | 0d             | EB,Inner Heading From West, CH 4085- 4095 = 10m @ 2d/m  |
| Inner Bend | ch Excavation (1.5-2d/m, 20m separation with heading)           |               |                      |               | -             |                |   |
| A8765      | EB, Inner Bench From West, CH 3992- 4005 = 13m (2d/m)           | 7d/wk-1a      | 26d                  | DB-Nov-14 08  | 03-Dec-14 18  | 23d            | EB Inner Bench From West, CH 3992-4005 = 13m (2d/m)   |
| A8770      | EB, Inner Bench From West,CH 4005- 4015 = 10m                   | 7d/wk-1a      | 15d                  | 18-Dec-14 08  | 03-Jan-15 18  | 9d             | EB, Inner Bench From West, CH 4005- 4015 = 10m;   |
| A8775      | EB, Inner Bench From West,CH 4015- 4025 = 10m                   | 7d/wk-1a      | 15d                  | 09-Jan-15 08  | 23-Jan-15 18  | 4d             | EB, Inner Bench From West, CH 4015- 4025 = 10m  |
| A8735      | EB, Inner Bench From West,CH 4025- 4035 = 10m                   | 7d/wk-1a      | 15d                  | 29-Jan-15 08  | 12-Feb-15 18  | 14d            | EB, Inner Bench From West,CH 4025- 4035 ≈ 10m   |
| A8740      | EB, Inner Bench From West,CH 4035- 4045 = 10m                   | 7d/wk-1a      | 15d                  | 18-Feb-15 08  | 07-Mar-15 18  | 11d            | EB, Inner Bench From West,CH 4035- 4045 = 10m   |
| A8745      | EB, Inner Bench From West,CH 4045- 4055 = 10m                   | 7d/wk-1a      | 15d                  | 13-Mar-15 08  | 27-Mar-15 18  | 6d             | EB, Inner Bench From West, CH 40/45- 40/55 = 10m  |
| A8750      | EB, Inner Bench From West,CH 4055- 4065 = 10m                   | 7d/wk-1a      | 15d                  | 02-Apr-15 08  | 17-Apr-15 18  | 1d             | EB, Inner Bench From West,CH 4055- 4065 = 10m   |
| A8755      | EB, Inner Bench From West, CH 4065- 4075 = 10m                  | 7d/wk-1a      | 15d                  | 18-Apr-15 08  | 03-May-15 18  | 1d             | EB, Inner, Bench From West, CH 4065-4075 = 10m  |
| A8760      | EB. Inner Bench From West,CH 4075- 4085 = 10m                   | 7d/wk-1a      | 15d                  | 05-May-15 08  | 19-May-15 18  | Od             |   |
| A8761      | EB, Inner Bench From West, CH 4085- 4095 = 10m                  | 7d/wk-1a      | 15d                  | 20-May-15 08  | 03-Jun-15 18  | Od             | EB, Inner Bench From West,CH 4075- 4085 = 10m   |
| rom East ( | TS4)  |               |                      |               |               |                | EB: Inner Bench From West, CH 4085- 4095 = 10m  |
| Inner Head | ing Excavation (3d/m, 24h/day work shift, 7d/week, no work on s | tatutoru heli | laul                 |               | _             | _              |   |
| A8835      | EB Inner Heading From East, CH 4147.5 to 4145 = 2.5m, @         |               |                      | 00 1 45 00    |               |                |   |
|            | 3d/m  | 7d/wk-1a      | 8d                   | 06-Jan-15 08  | 13-Jan-15 18  | Od             | EB,Inner Heading From East, CH 4147,5 to 4145 = 2,5m, @ 3d/m  |
| A8850      | EB,Inner Heading From East, CH 4145- 4135 = 10m, @ 3d/m         | 7d/wk-1a      | 30d                  | 14-Jan-15 08  | 12-Feb-15 18  | Od             | EB,Inner Heading From East, CH 4145- 4135 = 10m, @ 3d/m   |
| A8830      | EB,Inner Heading From East, CH 4135- 4125 = 10m @2d/m           | 7d/wk-1a      | 20d                  | 13-Feb-15 08  | 07-Mar-15 18  | Dd             | EB,Inner Heading From East, CH 4135- 4125 = 10m @2c/m   |
| A8840      | EB,Inner Heading From East, CH 4125- 4115 = 10m @2d/m           | 7d/wk-1a      | 20d                  | 08-Mar-15 08  | 27-Mar-15 18  | Od             | EB.Inner Heading From East, CH 4125- 4115 = 10m @2d/m   |
| A9910      | EB,Inner Heading From East, CH 4115- 4105 = 10m @2d/m           | 7d/wk-1a      | 20d                  | 28-Mar-15 08  | 17-Apr-15 18  | Dd             | EB,Inner Heading From East, CH 4115- 4105 = 10m @2d/m   |
| A8845      | EB,Inner Heading From East, CH 4105- 4095 = 10m @2d/m           | 7d/wk-1a      | 20d                  | 18-Apr-15 08  | 08-May-15 18  | Dd             | EB,Inner Heading From East, CH 4105- 4095 = 10m @2d/m   |
| nner Benc  | h Excavation (1.5d-2d/m, 20m separation with heading)           |               |                      | -             |               |                |   |
| A8860      | EB,Inner Bench From East, CH 4147.5 - 4145 = 2.5m               | 7d/wk-1a      | 4d                   | 08-Mar-15 08  | 11-Mar-15 18  | 11d            | EB,Inner Bench From East, CH 4147.5 - 4145 = 2.5m   |
| Summa      | ry Bar 10 of 18   |               |                      |               | -P            |                | Prepared by William Caluza  |
|            | evel of Effort China Stat                                       | e Construc    | tion Eng             | ineering (Hon | a Kona) Ltd   |                | Date Revision Checked Approved  |
| Actual V   | VORK  |               |                      |               |               |                | 26-Seption 1st submission 中國建築工程(香港) 介限公司   |
| Remain     | ing Work Contract No. HY/2009/15 - Central W<br>Remaining Work  | an Chai By    | Pass -               | funnel (Cause | eway Bay Typh | oon Shelter    | Section) CHINA STATE CONSTRUCTION BIGINEERING CHONG KONG UTD  |

and the second 
| A8865<br>A8870<br>A8855<br>A8875<br>A8915<br>Tunnel Lining<br>From West E<br>A8900<br>A8890 | EB,Inner Bench From East, CH 4145- 4135 = 10m<br>EB,Inner Bench From East, CH 4135- 4125 = 10m<br>EB,Inner Bench From East, CH 4125- 4115 = 10m<br>EB,Inner Bench From East, CH 4115- 4105 = 10m<br>EB,Inner Bench From East, CH 4105- 4095 = 10m | 7d/wk-1a<br>7d/wk-1a<br>7d/wk-1a<br>7d/wk-1a | Duration<br>15d<br>15d<br>15d | 12-Mar-15 08<br>28-Mar-15 08   | 26-Mar-15 18  | Float<br>11d | Q4       | Q1   | Q2<br>EB,Inner Ben | Q3  | Q4               | Q1                   | 2016<br>Q2          | Q3        |
|---|---|--|-------------------------------|--|---------------|--------------|----------|--|--------------------|---|------------------|----------------------|---------------------|-----------|
| A8870<br>A8855<br>A8875<br>A9915<br>Tunnel Lining<br>From West E<br>A8900                   | EB,Inner Bench From East, CH 4135- 4125 = 10m<br>EB,Inner Bench From East, CH 4125- 4115 = 10m<br>EB,Inner Bench From East, CH 4115- 4105 = 10m<br>EB,Inner Bench From East, CH 4105- 4095 = 10m  | 7d/wk-1a<br>7d/wk-1a                         | 15d                           | 1  | 26-Mar-15 18  | 110          |          | A DESCRIPTION OF A DESC | EB,Inner Ben       | th From East CH 4   | 145 4135 - 100   |                      |                     |           |
| A8855<br>A8875<br>A9915<br>Tunnel Lining<br>From West E<br>A8900                            | EB,Inner Bench From East, CH 4125- 4115 = 10m<br>EB,Inner Bench From East, CH 4115- 4105 = 10m<br>EB,Inner Bench From East, CH 4105- 4095 = 10m   | 7d/wk-1a                                     |                               | 28-Mar-15 08   |               |              |          | 1111   |                    | ant rom cast, arra  | 140-4100-100     |                      |                     |           |
| A8875<br>A9915<br>Tunnel Lining<br>From West E<br>A8900                                     | EB,Inner Bench From East, CH 4115- 4105 = 10m<br>EB,Inner Bench From East, CH 4105- 4095 = 10m  | - COM BY                                     | 15d                           | and the second sec | 12-Apr-15 18  | 10d          |          |  | EB,Inner E         | ench From East, C   | H 4135- 4125 = 1 | IOm                  |                     |           |
| A9915<br>Tunnel Lining<br>From West E<br>A8900  | EB,Inner Bench From East, CH 4105- 4095 = 10m   | 7d/wk-1a                                     |                               | 18-Apr-15 08   | 03-May-15 18  | 5d           |          |  | EB,Inr             | er Bench From Ea  | st, CH 4125- 411 | 5 = 10m              |                     |           |
| Tunnel Lining<br>From West E<br>A8900   |   |  | 15d                           | 09-May-15 08   | 23-May-15 18  | Od           |          |  | <b>E</b>           | Inner Bench From  | East, CH 4115-   | 4105 = 10m           |                     |           |
| From West E   |   | 7d/wk-1a                                     | 16d                           | 24-May-15 08   | 08-Jun-15 18  | Od           |          |  | +                  | EB,Inner Bench Fr   | 1                |                      |                     |           |
| A8900   | g Works   | -  |                               |  |               |              |          |  | -                  | and the second se |                  | 1000 - 1011          |                     |           |
| A8900   | Base Slab (10m/bay, 10m separation with benching excavat  | ion  |                               |  |               |              |          |  | -                  |   | 1                | -                    | 1                   | -         |
|   |   | iony   |                               |  |               |              |          | 1.0  |                    |   |                  |                      |                     |           |
| A8890   | EB From West, Base Slab CH 3990 - 3995 = 1 bay  | 7d/wk-1a                                     | 10d                           | 04-Dec-14 08   | 13-Dec-14 18  | 33d          |          | EB From West,  | Base Slab CH 399   | 0 - 3995 = 1 bay  |                  |                      |                     |           |
|   | EB From West, Base Slab CH 3995 - 4005 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 04-Jan-15 08   | 13-Jan-15 18  | 14d          |          | EB From  | West, Base Slab C  | H 3995 - 4005 = 10  | m/bay            |                      |                     |           |
| A8905   | EB From West, Base Slab CH 4005 - 4015 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 24-Jan-15 08   | 02-Feb-15 18  | 4d           |          | EB Fr  | om West, Base Sla  | ab CH 4005 - 4015   | = 10m/bay        |                      |                     |           |
| A8910   | EB From West, Base Slab CH 4015 - 4025 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 13-Feb-15 08   | 25-Feb-15 18  | 14d          |          |  | B From West, Bas   | e Slab CH 4015 - 4  | 025 = 10m/bay    |                      |                     |           |
| A8915   | EB From West, Base Slab CH 4025 - 4035 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 08-Mar-15 08   | 17-Mar-15 18  | 12d          |          |  | EB From West,      | Base Slab CH 402  | 5 - 4035 = 10m/b | av                   |                     |           |
| A8920   | EB From West, Base Slab CH 4035 - 4045 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 28-Mar-15 08   | 07-Apr-15 18  | 8d           |          |  |                    | est, Base Slab CH   |                  | 2                    |                     |           |
| A8925   | EB From West, Base Slab CH 4045 - 4055 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 18-Apr-15 08   | 27-Apr-15 18  | 4d           |          |  | 1                  | n West, Base Slab   |                  | and a second         |                     |           |
| A8930   | EB From West, Base Slab CH 4055 - 4065 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 04-May-15 08   | 13-May-15 18  | 5d           |          |  |                    |   |                  |                      |                     |           |
| A8880   | EB From West, Base Slab CH 4065 - 4075 = 10m/bay  | 7d/wk-1a                                     | 104                           |  |               |              |          |  | -                  | rom West, Base Sl   |                  |                      |                     |           |
| A8885   |   |  |                               | 20-May-15 08   | 29-May-15 18  | 5d           |          |  | <b>B</b> E         | B From West, Base   | Slab CH 4065 -   | 4075 = 10m/bay       |                     |           |
|   | EB From West, Base Slab CH 4075 - 4085 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 04-Jun-15 08   | 13-Jun-15 18  | 0d           |          |  |                    | EB From West, B   | ase Slab CH 407  | 5 - 4085 = 10m/bay   |                     |           |
| A8895   | EB From West, Base Slab CH 4085 - 4095 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 14-Jun-15 08   | 24-Jun-15 18  | Od           |          |  | 1                  | EB From West,   | Base Slab CH 4   | 085 - 4095 = 10m/bay |                     |           |
| From East B   | ase Slab (10m/bay, 10m separation with benching excavation  | on)  |                               |  |               |              |          | 1  |                    | 1   | 1                |                      |                     |           |
| A9905   | EB From East, Base Slab CH 4149.5 - 4145 = 4.5m   | 7d/wk-1a                                     | 10d                           | 13-Apr-15 08   | 22-Apr-15 18  | 26d          |          |  | EB From            | East, Base Slab Cl  | H 4149.5 - 4145  | = 4.5m               |                     |           |
| A9900   | EB From East, Base Slab CH 4145 - 4135 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 04-May-15 08   | 13-May-15 18  | 16d          |          |  | EB F               | rom East, Base Sla  | b CH 4145 - 413  | 5 = 10m/bay          |                     |           |
| A9895   | EB From East, Base Slab CH 4135 - 4125 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 24-May-15 08   | 02-Jun-15 18  | 6d           |          |  |                    | B From East, Base   | Slab CH 4135 -   | 4125 = 10m/bay       |                     |           |
| A9890   | EB From East, Base Slab CH 4125 - 4115 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 09-Jun-15 08   | 18-Jun-15 18  | Od           |          |  | 1                  | EB From East, B   | ase Slab CH 412  | 5 - 4115 = 10m/bay   |                     |           |
| A9885   | EB From East, Base Slab CH 4115 - 4105 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 19-Jun-15 08   | 29-Jun-15 18  | Dd           |          |  | 1                  | 1   |                  | 115 - 4105 = 10m/bay |                     |           |
| A9880   | EB From East, Base Slab CH 4105 - 4095 = 10m/bay  | 7d/wk-1a                                     | 10d                           | 30-Jun-15 08   | 10-Jul-15 18  | Dd           |          |  |                    | 1   | 1                | 4105 - 4095 = 10m/t  | E                   |           |
| Lining (5m/h  | ay, 15m separation with base stab)  |  |                               |  | 1             |              |          |  | -                  | CO FIOM Ca  |                  | 4105 - 4095 = 10000  | ау                  |           |
|   |   |  |                               |  |               |              |          |  | 1                  | 1   | d                |                      |                     |           |
| A9065   | EB From West, Lining CH 3990 - 3995 = 1bay  | 7d/wk-1a                                     | 10d                           | 03-Feb-15 08   | 12-Feb-15 18  | 4d           |          | EB F   | rom West, Lining   | CH 3990 - 3995 = 1  | Ibay             |                      |                     |           |
| A9005   | EB From West, Lining CH 3995 - 4000 = 1bay  | 7d/wk-1a                                     | 10d                           | 13-Feb-15 08   | 25-Feb-15 18  | 4d           |          | 100 E  | B From West, Lini  | ng CH 3995 - 4000   | = 1bay           |                      |                     |           |
| A9090   | EB From West, Lining CH 4000 - 4005 = 1bay  | 7d/wk-1a                                     | 10d                           | 26-Feb-15 08   | 07-Mar-15 18  | 4d           |          |  | EB From West, Li   | ning CH 4000 - 400  | 05 = 1bay        |                      |                     |           |
| Summary   | Bar 11 of 18  |  |                               | -  |               | 3            |          |  | Prepared by Willia | m Caluza  | -                |                      |                     |           |
| 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1  | vel of Effort   |  |                               | and a state  |               |              |          | Date   | Revision           | Checked A   | oproved          |                      |                     |           |
| Actual We   | China   | State Construc                               | tion Eng                      | ineering (Hon  | g Kong) Ltd   |              | 26-      | -Sep 1st subr  | mission            |   |                  |                      | -                   |           |
| Remainin  |   | al Wan Chai B                                | Pass -                        | Tunnel ( Cause   | eway Bay Typh | oon Shelter  | Section) |  |                    |   | - CIL            | 中國運業2                |                     |           |
|   | emaining Work   | a. man ondi Dy                               |                               | anner ( odusi  | and Day iypi  | oon oneiter  | Jection  |  |                    |   | PAGED.           | CHINA STATE CONSTRU  | CTION ENGINEERING ( | IONG KONC |
| Milestone   |   | WORKS P                                      | ROGR                          | AMME REV.  | M             |              | -        |  |                    |   |                  |                      |                     |           |
| <ul> <li>Milestone</li> </ul>   |   | WORKSP                                       | RUGR                          | AMME REV.  | IVI           |              |          |  |                    |   |                  |                      |                     |           |

| Activity Na  | lame                                   | Calendar         | Original | Start          | Finish        | Total        |             |                      | 201                   | 15              |                       |                              | 2016   |    |
|--|--|------------------|----------|----------------|---------------|--------------|-------------|----------------------|-----------------------|-----------------|-----------------------|------------------------------|--------|----|
|  |  |                  | Duration |                |               | Float        | Q4          | Q1                   | Q2                    | Q3              | Q4                    | Q1                           | Q2     | Q3 |
| 50 EB From V   | West, Lining CH 4005 - 4010 = 1bay     | 7d/wk-1a         | 10d      | 08-Mar-15 08   | 17-Mar-15 18  | 4d           |             |                      | EB From West, Linir   | ng CH 4005 - 4  | 1010 = 1bay           |                              |        |    |
| 55 EB From V   | West, Lining CH 4010 - 4015 = 1bay     | 7d/wk-1a         | 10d      | 18-Mar-15 08   | 27-Mar-15 18  | 4d           |             |                      | EB From West, Lir     | ning CH 4010    | - 4015 = 1bay         |                              |        |    |
| 60 EB From V   | West, Lining CH 4015 - 4020 = 1bay     | 7d/wk-1a         | 10d      | 26-Mar-15 08   | 05-Apr-15 18  | 4d           |             | 1 3                  | EB From West          | Lining CH 401   | 5 - 4020 = 1bay       |                              |        |    |
| 70 EB From V   | 1 West, Lining CH 4020 - 4025 = 1bay   | 7d/wk-1a         | 10d      | 03-Apr-15 08   | 13-Apr-15 18  | 4d           |             |                      | EB From West          | t, Lining CH 40 | 020 - 4025 = 1bay     |                              |        |    |
| 75 EB From \   | n West, Lining CH 4025 - 4030 = 1bay   | 7d/wk-1a         | 10d      | 12-Apr-15 08   | 21-Apr-15 18  | 4d           |             |                      | EB From We            | est, Lining CH  | 4025 - 4030 = 1bay    |                              |        |    |
| 80 EB From \   | 1 West, Lining CH 4030 - 4035 = 1bay   | 7d/wk-1a         | 10d      | 20-Apr-15 08   | 29-Apr-15 18  | 4d           |             |                      | EB From W             | Vest, Lining CH | 4 4030 - 4035 = 1 bay | ,                            |        |    |
| 85 EB From \   | n West, Lining CH 4035 - 4040 = 1bay   | 7d/wk-1a         | 10d      | 28-Apr-15 08   | 08-May-15 18  | 4d           |             |                      | EB From               | West, Lining C  | CH 4035 - 4040 = 1ba  | ay                           |        |    |
| 15 EB From V   | n West, Lining CH 4040 - 4045 = 1bay   | 7d/wk-1a         | 10d      | 07-May-15 08   | 16-May-15 18  | 4d           | 5           |                      | EB Fron               | m West, Lining  | CH 4040 - 4045 = 1    | bay                          |        |    |
| 20 EB From \   | n West, Lining CH 4045 - 4050 = 1bay   | 7d/wk-1a         | 10d      | 15-May-15 08   | 24-May-15 18  | 4d           |             |                      | EB Fre                | om West, Linin  | g CH 4045 - 4050 =    | 1bay                         |        |    |
| 25 EB From \   | n West, Lining CH 4050 - 4055 = 1bay   | 7d/wk-1a         | 10d      | 23-May-15 08   | 01-Jun-15 18  | 4d           |             |                      | EB F                  | From West, Lin  | ing CH 4050 - 4055    | = 1bay                       |        |    |
| 30 EB From \   | n West, Lining CH 4055 - 4060 = 1bay   | 7d/wk-1a         | 10d      | 31-May-15 08   | 09-Jun-15 18  | 4d           |             |                      | EB                    | From West, L    | ining CH 4055 - 406   | 0 = 1bay                     |        |    |
| 35 EB From   | n West, Lining CH 4060 - 4065 = 1bay   | 7d/wk-1a         | 10d      | 07-Jun-15 08   | 16-Jun-15 18  | 4d           |             |                      | <b>•</b> E            | B From West,    | Lining CH 4060 - 40   | 065 = 1bay                   |        |    |
| 140 EB From  | n West, Lining CH 4065 - 4070 = 1bay   | 7d/wk-1a         | 10d      | 14-Jun-15 08   | 24-Jun-15 18  | 4d           |             |                      |                       | EB From West    | t, Lining CH 4065 - 4 | 4070 = 1bay                  |        |    |
| 45 EB From   | n West, Lining CH 4070 - 4075 = 1bay   | 7d/wk-1a         | 10d      | 25-Jun-15 08   | 05-Jul-15 18  | Od           |             |                      | 1 -                   | EB From W       | est, Lining CH 4070   | - 4075 = 1bay                |        |    |
| 55 EB From   | n West, Lining CH 4075 - 4080 = 1bay   | 7d/wk-1a         | 10d      | 30-Jun-15 08   | 10-Jul-15 18  | Od           |             |                      | 1                     | EB From W       | Vest, Lining CH 4075  | 5 - 4080 = 1bay              |        |    |
| 60 EB From   | n West, Lining CH 4080 - 4085 = 1bay   | 7d/wk-1a         | 5d       | 11-Jul-15 08   | 15-Jul-15 18  | Od           |             |                      |                       | EB From         | West, Lining CH 408   | 30 - 4085 = 1bay             |        |    |
| 70 EB From   | n West, Lining CH 4085 - 4090 = 1bay   | 7d/wk-1a         | 5d       | 16-Jul-15 08   | 20-Jul-15 18  | 0d           |             |                      |                       | EB From         | West, Lining CH 40    | 85 - 4090 = 1bay             |        |    |
| 75 EB From   | n West, Lining CH 4090 - 4095 = 1bay   | 7d/wk-1a         | 5d       | 21-Jul-15 08   | 25-Jul-15 18  | Od           |             |                      |                       | EB From         | n West, Lining CH 4   | 090 - 4095 = 1bay            |        |    |
| 80 EB From   | n West, Lining CH 4095 - 4100 = 1bay   | 7d/wk-1a         | 5d       | 26-Jul-15 08   | 30-Jul-15 18  | Dd           |             |                      |                       | EB Fro          | m West, Lining CH 4   | 4095 - 4100 = 1bay           |        |    |
| 85 EB From   | n West, Lining CH 4100 - 4105 = 1bay   | 7d/wk-1a         | 5d       | 31-Jul-15 08   | 04-Aug-15 18  | Dd           |             |                      |                       | EB Fr           | om:West, Lining CH    | 4100 - 4105 = 1bay           |        |    |
| 990 EB From  | n West, Lining CH 4105 - 4110 = 1bay   | 7d/wk-1a         | 5d       | 05-Aug-15 08   | 09-Aug-15 18  | Dd           |             |                      |                       | EB F            | rom West, Lining Cl   | H 4105 - 4110 = 1ba          | x      |    |
| 995 EB From  | n West, Lining CH 4110 - 4115 = 1bay   | 7d/wk-1a         | 5d       | 10-Aug-15 08   | 14-Aug-15 18  | 0d           | ł           |                      |                       | E EB            | From West, Lining C   | CH 4110 - 4115 = 16          | у      |    |
| 000 EB From  | n West, Lining CH 4115 - 4120 = 1bay   | 7d/wk-1a         | 5d       | 15-Aug-15 08   | 19-Aug-15 18  | Dd           |             |                      |                       | EB              | From West, Lining     | CH 4115 - 4120 = 1           | ay     |    |
| 010 EB From  | n West, Lining CH 4120 - 4125 = 1bay   | 7d/wk-1a         | 5d       | 20-Aug-15 08   | 24-Aug-15 18  | Od           |             |                      |                       | 8 E             | B From West, Lining   | CH 4120 - 4125 =             | bay    |    |
| 965 EB From  | n West, Lining CH 4125 - 4130 = 1bay   | 7d/wk-1a         | 5d       | 25-Aug-15 08   | 29-Aug-15 18  | Dd           |             |                      | 1                     |                 | EB From West, Lining  | CH 4125 - 4130 =             | 1bay   |    |
|  | m West, Lining CH 4130 - 4135 = 1bay   | 7d/wk-1a         | 5d       | 30-Aug-15 08   | 03-Sep-15 18  | Dd           | E.          |                      |                       |                 | EB From West, Linin   | ng CH 4130 - 4135            | 1bay   |    |
|  | m West, Lining CH 4135 - 4140 = 1bay   | 7d/wk-1a         | 5d       | 04-Sep-15 08   | 08-Sep-15 18  | Od           |             |                      |                       |                 | EB From West, Lin     | ing CH 4135 - 4140           | = 1bay |    |
|  | m West, Lining CH 4140 - 4145 = 1bay   | 7d/wk-1a         | 5d       | 09-Sep-15 08   | 13-Sep-15 18  | Od           |             |                      |                       |                 | EB From West, Lir     |                              |        |    |
| Con Con Con Con  | m West, Lining CH 4145 - 4149.5 = 4.5m | 7d/wk-1a         |          | 14-Sep-15 08   | 18-Sep-15 18  | Dd           |             |                      |                       |                 | EB From West, L       |                              |        |    |
|  |  | 1                |          | 11.000         |               | 1-244        |             |                      | Prepared by William C |                 |                       |                              |        |    |
| Summary Bar<br>Actual Level of Effort<br>Actual Work<br>Remaining Work<br>Critical Remaining W | Contract No. HY/2009/15 - Cer          |                  | y Pass   | - Tunnel ( Cau | seway Bay Typ | boon Shelter | Sec. Sec. 4 | Date 26-Sep 1st subm | Revision              | Checked         | Approved              | 中國連禁工<br>CHINA STATE CONSTRU |        |    |
| Actual Work<br>Remaining Work  | Contract No. HY/2009/15 - Cer          | ntral Wan Chai B | y Pass   |                | seway Bay Typ | hoon Shelter | Sec. Sec. 4 | 26-Sep 1st subm      | nission               |                 | eSDEc                 |                              |        |    |

| ID   | Activity Name            |  | Calendar              | Original<br>Duration | Start                           | Finish       | Total<br>Float | -            | a second second                |   | 2015                     |       |                   | 2016  |                   |
|--|--------------------------|--|-----------------------|----------------------|---------------------------------|--------------|----------------|--------------|--------------------------------|---|--------------------------|-------|-------------------|---|-------------------|
| OHVD(10m/  | (bay) / Utility Troug    | ah   |                       |                      |                                 | -            | r Iwas         | Q4           | Q1                             | Q2                                      | Q3                       | Q4    | Q1                | Q2  | Q3                |
|  |                          |  |                       |                      |                                 |              |                |              |                                |   | 1 1                      |       |                   | 1   |                   |
| A9095  | 10m/bay @ 7d/ba          | HVD and utility trough =, 167= 17 bays @<br>ay             | 7d/wk-1a              | 120d                 | 03-Jul-15 08                    | 02-Nov-15 18 | Od             |              |                                |   | -                        | EB Fr | om West OHVD an   | d utility trough =, 16                      | 7= 17 bays @ 10   |
| B Outer Iu   | innel Excavation         |  |                       |                      |                                 |              |                |              |                                | 2                                       | 1                        |       | -                 | 1   |                   |
| rom West (1  | TPCWAE)                  |  |                       |                      |                                 |              |                |              |                                | 1                                       | -                        |       | -                 |   |                   |
| Outer Headi  | ing Excavation (2d       | ilm, 24h/day work shift, 7d/week, no work or               | statutory hol         | iday)                | -                               | -            | -              |              | -                              |   |                          |       | -                 | 1   | -                 |
| A9651  | WB, Outer Headi<br>2d/m  | ing From West, CH 4085- 4092.5 = 7,5m @                    | 7d/wk-1a              | 15d                  | 13-Sep-14 08 A                  | 30-Sep-14 18 | 163d           | WB, Outer He | ading From West,               | CH 4085- 4092.5                         | = 7.5m @ 2d/m            |       |                   | ł   |                   |
| Outer Bench  | h Excavation (1.5d       | -2d/m, 20m separation with heading)                        |                       |                      | 1                               |              |                |              |                                |   |                          |       |                   | -   | -                 |
| A9680  | WB, Outer Bench          | h From West, CH 4025- 4035 = 10m                           | 7d/wk-1a              | 15d                  | 12-Oct-14 08                    | 26-Oct-14 18 | 163d           | WB, Out      | er Bench From We               | est, CH 4025- 403                       | 5 = 10m                  |       |                   |   |                   |
| A9665  | WB, Outer Bench          | h From West, CH 4035- 4045 = 10m                           | 7d/wk-1a              | 15d                  | 27-Oct-14 08                    | 10-Nov-14 18 | 163d           | wb, c        | Outer Bench From               | West, CH 4035- 4                        | 1045 = 10m               |       |                   |   |                   |
| A9670  | WB, Outer Bench          | h From West, CH 4045- 4055 = 10m                           | 7d/wk-1a              | 15d                  | 11-Nov-14 08                    | 25-Nov-14 18 | 163d           | we           | B, Outer Bench Fro             | om West, CH 404                         | 5- 4055 = 10m            |       |                   | 1   |                   |
| A9675  | WB, Outer Bench          | h From West, CH 4055- 4065 = 10m                           | 7d/wk-1a              | 15d                  | 26-Nov-14 08                    | 10-Dec-14 18 | 163d           | -            | WB, Outer Bench                | From West, CH 4                         | 055- 4065 = 10m          |       |                   | 1   |                   |
| A9700  | WB, Outer Bench          | n From West, CH 4065- 4075 = 10m                           | 7d/wk-1a              | 15d                  | 11-Dec-14 08                    | 26-Dec-14 18 | 163d           |              | WB, Outer Ben                  | ch From West, Cl                        | H 4065- 4075 = 10m       |       |                   |   |                   |
| A9701  | WB, Outer Bench          | n From West, CH 4075- 4082.5 = 7.5m                        | 7d/wk-1a              | 15d                  | 27-Dec-14 08                    | 11-Jan-15 18 | 163d           |              | WB, Outer B                    | Bench From West                         | CH 4075- 4082.5 = 7      | .5m   |                   | 1   |                   |
| rom East (T  | rs4)                     |  |                       | ••••••               |                                 |              |                |              |                                | 1                                       |                          |       | -                 | -   |                   |
| outer Headi  | ing Excavation (2d       | i/m, 24h/day work shift, 7d/week, no work or               | statutory hol         | iday)                |                                 |              |                | 1            |                                |   |                          |       |                   | -   |                   |
| A9730  | WB, Outer Headi<br>@2d/m | ing From East, CH 4105- 4092.5 = 12.5m                     | 7d/wk-1a              | 25d                  | 30-Aug-14 08 A                  | 30-Sep-14 18 | 168d           | WB, Outer He | ading From East, C             | CH 4105- 4092.5                         | = 12.5m @2d/m            |       |                   | 1   |                   |
| uter Bench   | 0                        | -2d/m, 20m separation with heading)                        | ang talan mananana da |                      | dumun and a                     | - diama      |                |              |                                |   |                          |       |                   |   |                   |
| A9740  | WB, Outer Bench          | n From East, CH 4136- 4135 = 1m                            | 7d/wk-1a              | 2d                   | 12-Oct-14 08                    | 13-Oct-14 18 | 168d           | WB, Outer    | Bench From East,               | CH 4136- 4135 =                         | 1m                       |       |                   |   |                   |
| A9770  | WB, Outer Bench          | n From East, CH 4135- 4125 = 10m                           | 7d/wk-1a              | 15d                  | 14-Oct-14 08                    | 28-Oct-14 18 | 168d           | WB, Out      | er Bench From Ea               | st. CH 4135- 412                        | 5 = 10m                  |       |                   |   |                   |
| A9745  | WB, Outer Bench          | n From East, CH 4125- 4115 = 10m                           | 7d/wk-1a              | 15d                  | 28-Oct-14 08                    | 11-Nov-14 18 | 168d           | we, c        | Outer Bench From               | East, CH 4125- 4                        | 115 = 10m                |       |                   |   |                   |
| A9750  | WB, Outer Bench          | n From East, CH 4115- 4105 = 10m                           | 7d/wk-1a              | 15d                  | 11-Nov-14 08                    | 25-Nov-14 18 | 168d           |              | 3, Outer Bench Fro             |   |                          |       |                   |   |                   |
| A9755  | WB, Outer Bench          | r From East, CH 4105- 4095 = 10m                           | 7d/wk-1a              | 15d                  | 26-Nov-14 08                    | 10-Dec-14 18 | 168d           | 1 5.5        | WB, Outer Bench I              |   |                          |       |                   |   |                   |
| A9760  | WB, Outer Bench          | From East, CH 4095- 4082.5 = 12.5m                         | 7d/wk-1a              | 25d                  | 11-Dec-14 08                    | 06-Jan-15 18 | 168d           | 1.1          | 1                              | B - 5 - 2 - 2                           | CH 4095- 4082.5 = 12.5   | 5m    |                   |   | 0                 |
| 3 (Inner Tu  | nnel Excavation +        | + Lining)  |                       |                      |                                 |              |                | 1            |                                |   |                          | 200   |                   | 3   |                   |
| rom West (T  |                          |  |                       |                      |                                 |              |                | -            | -                              | 1                                       |                          |       |                   | 1   |                   |
|  |                          | id/m, 24h/day work shift, 7d/week, no work o               | a ctatuton/ha         | lidaul               |                                 |              |                | 1            |                                | 1                                       |                          |       |                   |   |                   |
| A9130  |                          | g From West, CH 3993- 4005 = 12m @3d/m                     | 7d/wk-1a              | 50d                  | 29-Sep-14 08                    | 18-Nov-14 18 | 04             |              | and the state of the           |   |                          |       |                   |   |                   |
| A9135  |                          | g From West, CH 4005- 4015 = 10m @2d/m                     | 7d/wk-1a              |                      |                                 |              | b0             | 1            |                                |   | - 4005 = 12m @3d/m       |       |                   |   |                   |
| A9140  | The second               | g From West, CH 4005- 4015 = 10m @2d/m                     |                       | 20d                  | 19-Nov-14 08                    | 08-Dec-14 18 | b0             | 1            |                                |   | 005- 4015 = 10m @2d/     |       |                   | 4<br>*                                      |                   |
|  | Arbinner Heading         |  | 7d/wk-1a              | 20d                  | 09-Dec-14 08                    | 29-Dec-14 18 | 0d             |              | VVB,Inner Head                 | ing From West, C                        | CH 4015- 4025 = 10m (    | @2d/m |                   |   |                   |
| Summary<br>Actual Le<br>Actual W<br>Remainin       | evel of Effort<br>/ork   | 13 of 18<br>China Sta<br>Contract No. HY/2009/15 - Central |                       |                      | jineering (Hon<br>Tunnel ( Caus |              | noon She       | 20           | Pr<br>Date<br>6-Sep 1st submit | repared by William<br>Revision<br>ssion | Caluza<br>Checked Approv | ved   |                   | 工程( <b></b> ·<br>来);<br>RUCTION ENGINEERING |                   |
| <ul> <li>Critical Ri</li> <li>Milestone</li> </ul> | temaining Work<br>e      |  |                       |                      | AMME REV                        |              |                | -            |                                |   |                          | _     | CHINA SIALE COASI | ACCINENT ENGINEERING                        | anonia konta LID. |

| y ID   | Activity Name  | Calendar                  | Original | Start                 | Finish  | Total          |          |          | 2                               | 015                  |                 |                               | 2016     |    |
|--|--|---------------------------|----------|-----------------------|---|----------------|----------|----------|---------------------------------|----------------------|-----------------|-------------------------------|----------|----|
| A9100  | WB,Inner Heading From West, CH 4025- 4035 = 10m @2d/m  | 244-4-4                   | Duration | 20 Dec 11 00          | 10 1-2 - 2 - 2  | Float          | Q4       | Q1       | Q2                              | Q3                   | Q4              | Q1                            | Q2       | Q3 |
|  | Wb, inner Heading From West, CH 4025- 4035 = 10m @20m  | 7d/wk-1a                  | 20d      | 30-Dec-14 08          | 19-Jan-15 18  | Od             |          | WB,Inne  | Heading From Wes                | st, CH 4025- 4035    | = 10m @2d/m     | -                             |          |    |
| A9105  | WB,Inner Heading From West, CH 4035- 4045 = 10m @2d/m  | 7d/wk-1a                  | 20d      | 20-Jan-15 08          | 08-Feb-15 18  | Od             |          | WB,I     | nner Heading From               | West, CH 4035- 4     | 045 = 10m @20   | l/m                           |          |    |
| A9110  | WB,Inner Heading From West, CH 4045- 4055 = 10m @2d/m  | 7d/wk-1a                  | 20d      | 09-Feb-15 08          | 03-Mar-15 18  | Od             |          |          | WB,Inner Heading Fi             | rom West, CH 40      | 45- 4055 = 10m  | @2d/m                         |          |    |
| A9115  | WB,Inner Heading From West, CH 4055- 4065 = 10m @ 2d/m   | 7d/wk-1a                  | 20d      | 04-Mar-15 08          | 23-Mar-15 18  | Od             |          |          | WB,Inner Headin                 | ng From West, CH     | 4055- 4065 = 1  | 0m @ 2d/m                     |          |    |
| A9120  | WB,Inner Heading From West, CH 4065- 4075 = 10m, @ 2d/m  | 7d/wk-1a                  | 20d      | 24-Mar-15 08          | 13-Apr-15 18  | Od             |          |          | WB,Inner He                     | ading From West      | CH 4065- 407    | 5 = 10m, @ 2d/m               |          |    |
| A9125  | WB,Inner Heading From West, CH 4075- 4085 = 10m @ 2d/m   | 7d/wk-1a                  | 20d      | 14-Apr-15 08          | 04-May-15 18  | Od             |          |          | 1                               | 1                    | 1               | 4085 = 10m @ 2d/m             |          |    |
| Inner Bent                                   | ch Excavation (1.5d-2d/m, 20m separation with heading)   |                           |          | land and              |   |                |          | -        |                                 |                      | 1               |                               |          |    |
| A9180  | WB.Inner Bench From West, CH 3993- 4005 = 12m  | 7dbd.de                   | 104      | 20 Dec 14 08          | 17 144 15 10  | 074            |          | L        |                                 | Lean and             |                 |                               |          |    |
|  |  | 7d/wk-1a                  | 18d      | 30-Dec-14 08          | 17-Jan-15 18  | 27d            |          | WB,Inner | Bench From West,                | CH 3993- 4005 =      | 12m             |                               |          |    |
| A9205  | WB,Inner Bench From West, CH 4005- 4015 = 10m  | 7d/wk-1a                  | 15d      | 20-Jan-15 08          | 03-Feb-15 18  | 25d            |          | WB,In    | ner Bench From We               | est, CH 4005- 401    | 5 = 10m         |                               |          |    |
| A9190  | WB,Inner Bench From West, CH 4015- 4025 = 10m  | 7d/wk-1a                  | 15d      | 09-Feb-15 08          | 26-Feb-15 18  | 20d            |          | 💷 V      | /B)nner Bench Fron              | n West, CH 4015-     | 4025 = 10m      |                               |          |    |
| A9185  | WB,Inner Bench From West, CH 4025- 4035 = 10m  | 7d/wk-1a                  | 15d      | 04-Mar-15 08          | 18-Mar-15 18  | 15d            |          |          | WB,Inner Bench F                | From West, CH 40     | 025- 4035 = 10n | n                             |          |    |
| A9155  | WB,Inner Bench From West, CH 4035- 4045 = 10m  | 7d/wk-1a                  | 15d      | 24-Mar-15 08          | 08-Apr-15 18  | 10d            |          |          | WB,Inner Ber                    | nch From West, C     | H 4035- 4045 =  | 10m                           |          |    |
| A9160  | WB,Inner Bench From West, CH 4045- 4055 = 10m  | 7d/wk-1a                  | 15d      | 14-Apr-15 08          | 28-Apr-15 18  | 5d             |          |          | WB,Inner                        | Bench From Wes       | st; CH 4045- 40 | 55 = 10m                      |          |    |
| A9165  | WB,Inner Bench From West, CH 4055- 4065 = 10m  | 7d/wk-1a                  | 15d      | 05-May-15 08          | 19-May-15 18  | Od             |          |          | WB.I                            | nner Bench From      | West, CH 4055   | 4065 = 10m                    |          |    |
| A9170  | WB,Inner Bench From West, CH 4065- 4075 = 10m  | 7d/wk-1a                  | 15d      | 20-May-15 08          | 03-Jun-15 18  | Od             |          |          | w                               | B.Inner Bench Fro    | m West, CH 40   | 65-4075 = 10m                 |          |    |
| A9175  | WB,Inner Bench From West, CH 4075- 4085 = 10m  | 7d/wk-1a                  | 15d      | 04-Jun-15 08          | 18-Jun-15 18  | Od             |          |          | 1                               | 1                    |                 | 4075- 4085 = 10m              |          |    |
| No. of Street, or other                      |  | 1 4 109 24                | 100      | 21 COL 11 CC          |   |                |          |          |                                 | in Denar             | i foin wear, on | 4075-4005 - 100               |          |    |
| From East                                    | (TS4)  |                           |          |                       |   |                |          |          | 1                               | 1                    |                 |                               |          |    |
| Inner Head                                   | ding Excavation (2d/m, 24h/day work shift, 7d/week, no work on   | statutory holi            | day)     |                       |   |                |          |          |                                 | 1                    | 1               |                               |          |    |
| A9210  | WB,Inner Heading From East, CH 4135- 4125 = 10m @2d/m  | 7d/wk-1a                  | 20d      | 14-Jan-15 08          | 02-Feb-15 18  | 6d             |          | WB,In    | ner Heading From E              | ast, CH 4135- 41     | 25 = 10m @2d/r  | n                             |          |    |
| A9215  | WB,Inner Heading From East, CH 4125- 4115 = 10m @2d/m  | 7d/wk-1a                  | 20d      | 03-Feb-15 08          | 25-Feb-15 18  | 6d             |          | v v      | /B,Inner Heading Fro            | om East, CH 4125     | - 4115 = 10m @  | 2d/m                          |          |    |
| A9230  | WB,Inner Heading From East, CH 4115- 4105 = 10m @2d/m  | 7d/wk-1a                  | 20d      | 26-Feb-15 08          | 17-Mar-15 18  | 6d             |          |          | WB,Inner Heading                | g From East, CH 4    | 115-4105 = 10   | m @2d/m                       |          |    |
| A9232  | WB,Inner Heading From East, CH 4105- 4095 = 10m @2d/m  | 7d/wk-1a                  | 20d      | 18-Mar-15 08          | 07-Apr-15 18  | 6d             |          |          | WB.Inner Hea                    | ading From East. (   | CH 4105- 4095   | = 10m @2d/m                   |          |    |
| A9225  | WB,Inner Heading From East, CH 4095- 4085 = 10m @2d/m  | 7d/wk-1a                  | 20d      | 08-Apr-15 08          | 27-Apr-15 18  | 6d             |          |          |                                 | 1                    | 1               | 185 = 10m @2d/m               |          |    |
| 1000   |  | ( Groute 14               | 200      | 00-Apr-10 00          | 21-001-10-10  | ou             |          |          | VVD,inner                       | neading From Ea      | ISC CH 4095- 40 | 165 = 10m @20/m               |          |    |
|  | ch Excavation (1.5d-2d/m, 20m separation with heading)   |                           |          |                       |   |                |          |          |                                 |                      | 1               |                               |          |    |
| A9235  | WB,Inner Bench From East, CH 4135- 4125 = 10m  | 7d/wk-1a                  | 15d      | 18-Mar-15 08          | 01-Apr-15 18  | 16d            |          |          | WB,Inner Bend                   | h From East, CH      | 4135-4125 = 1   | m                             |          |    |
| A9240  | WB.Inner Bench From East, CH 4125- 4115 = 10m  | 7d/wk-1a                  | 15d      | 08-Apr-15 08          | 22-Apr-15 18  | 11d            |          |          | WB,Inner I                      | Bench From East,     | CH 4125- 4115   | = 10m                         |          |    |
| A9245  | WB,Inner Bench From East, CH 4115- 4105 = 10m  | 7d/wk-1a                  | 15d      | 28-Apr-15 08          | 13-May-15 18  | 6d             |          |          | WB,In                           | ner Bench From E     | ast, CH 4115- 4 | 105 = 10m                     |          |    |
|  | WB,Inner Bench From East, CH 4105- 4095 = 10m  | 7d/wk-1a                  | 15d      | 14-May-15 08          | 28-May-15 18  | 6d             |          |          | we we                           | Inner Bench From     | n East, CH 410  | - 4095 = 10m                  |          |    |
| A9247  | the second s | 7d/wk-1a                  | 15d      | 29-May-15 08          | 12-Jun-15 18  | 6d             |          | 0.00     | -                               | WB,Inner Bench F     | rom East, CH 4  | 095- 4085 = 10m               |          |    |
| A9247<br>A9250                               | WB,Inner Bench From East, CH 4095- 4085 = 10m  | ( Grand-19                |          | and the second second | and the second se |                |          |          | 1                               |                      |                 |                               |          |    |
| A9250  |  | (Gran-)a                  |          | 1                     |   |                |          |          | Prepared by William             | Caluza               |                 |                               |          |    |
| A9250  | nary Bar 14 of 18  |                           |          |                       |   |                |          | Date     | Prepared by William<br>Revision | Caluza<br>Checked Ap | proved          |                               |          |    |
| A9250  | nary Bar 14 of 18<br>Level of Effort China Sta   |                           | tion Eng | ineering (Hon         | g Kong) Ltd   |                |          |          | Revision                        |                      | proved          | 中国演算了                         | ·蒋(新祥)-3 | >m |
| A9250<br>Summ<br>Actual                      | nary Bar 14 of 18<br>Level of Effort China Sta   | te Construc               |          |                       |   | noon Shelter S | Section) | Date     | Revision                        |                      | proved          | 中國連架工                         |          |    |
| A9250<br>Summa<br>Actual<br>Actual<br>Remain | It ary Bar 14 of 18<br>I Level of Effort China Sta<br>Work Contract No. HY/2009/15 - Central N<br>I Remaining Work   | te Construc<br>Wan Chai B | y Pass - |                       | eway Bay Typl   | noon Shelter S | Section) | Date     | Revision                        |                      |                 | 中國運築工<br>CHINA STATE CONSTRUC |          |    |

| A9295          | Vorks<br>se Slab (10m/bay, 10m separation with benching excavation |          | Duration |              |                | Float | Q4           | 01   |                    | 2015               | 1 01               |                     | 2016 |    |  |  |
|----------------|--|----------|----------|--------------|----------------|-------|--------------|--|--------------------|--------------------|--------------------|---------------------|------|----|--|--|
| From West Bas  |  |          |          |              |                | -     | 44           | 01   | Q2                 | Q3                 | Q4                 | Q1                  | Q2   | Q3 |  |  |
| A9295          | se siab ( rothinay, roth separation with benching excavatio        | 206      | _        |              |                |       |              |  |                    |                    |                    |                     |      |    |  |  |
|                |  | hall     |          |              |                |       |              | 1000   |                    |                    |                    |                     |      |    |  |  |
| A9320 \        | WB From West, Base Slab CH 3990 - 3995 = 5m bay                    | 7d/wk-1a | 10d      | 18-Jan-15 08 | 27-Jan-15 18   | 37d   |              | WB From  | n West, Base Slab  | CH 3990 - 3995 =   | 5m bay             |                     |      |    |  |  |
|                | WB From West, Base Slab CH 3995 - 4005 = 10m/bay                   | 7d/wk-1a | 10d      | 04-Feb-15 08 | 13-Feb-15 18   | 30d   | 1.015        | WB From West, Base Slab CH 3995 - 4005 = 10m/bay   |                    |                    |                    |                     |      |    |  |  |
| A9255          | WB From West, Base Slab CH 4005 - 4015 = 10m/bay                   | 7d/wk-1a | 10d      | 27-Feb-15 08 | 08-Mar-15 18   | 50d   | and a state  |  | NB From West, Ba   | ase Slab CH 4005 - | 4015 = 10m/bay     |                     |      |    |  |  |
| A9260 N        | WB From West, Base Slab CH 4015 - 4025 = 10m/bay                   | 7d/wk-1a | 10d      | 19-Mar-15 08 | 28-Mar-15 18   | 40d   |              | 1  | WB From Wes        | t, Base Slab CH 40 | 015 - 4025 = 10m/b | ay                  |      |    |  |  |
| A9265 1        | WB From West, Base Slab CH 4025 - 4035 = 10m/bay                   | 7d/wk-1a | 10d      | 09-Apr-15 08 | 18-Apr-15 18   | 30d   | 1111         |  | WB From            | West, Base Slab C  | H 4025 - 4035 = 10 | )m/bay              |      |    |  |  |
| A9300 N        | WB From West, Base Slab CH 4035 - 4045 = 10m/bay                   | 7d/wk-1a | 10d      | 29-Apr-15 0B | 09-May-15 18   | 20d   | 11.11        |  | WB Fr              | om West, Base Sla  | b CH 4035 - 4045   | = 10m/bay           |      |    |  |  |
| A9325 1        | WB From West, Base Slab CH 4045 - 4055 = 10m/bay                   | 7d/wk-1a | 10d      | 20-May-15 08 | 29-May-15 18   | 10d   |              |  | E W                | B,From West, Base  | Slab CH 4045 - 4   | 055 = 10m/bay       |      |    |  |  |
| A9305 N        | WB From Wesl, Base Slab CH 4055 - 4065 = 10m/bay                   | 7d/wk-1a | 10d      | 04-Jun-15 08 | 13-Jun-15 18   | 5d    |              |  |                    | WB From West, B    | ase Slab CH 4055   | - 4065 = 10m/bay    |      |    |  |  |
| A9310 1        | WB From West, Base Slab CH 4065 - 4075 = 10m/bay                   | 7d/wk-1a | 10d      | 19-Jun-15 08 | 29-Jun-15 18   | Dd    |              |  | 114                | WB From Wes        | t Base Slab CH 40  | 65 - 4075 = 10m/bay |      |    |  |  |
| A9315 1        | WB From West, Base Slab CH 4075 - 4080 = 5m                        | 7d/wk-1a | 10d      | 30-Jun-15 08 | 10-Jul-15 18   | Od    |              | WB From West, Base Slab CH 4075 - 4080 = 5m  |                    |                    |                    |                     |      |    |  |  |
| From East Bas  | e Slab (10m/bay, 10m separation with benching excavatio            | n)       |          |              | 1              | -     | 1            | -  |                    | -                  | 1                  |                     | _    |    |  |  |
|                | WB From East, Base Slab CH 4135 - 4125 = 10m/bay                   | 7d/wk-1a | 10d      | 23-Apr-15 08 | 03-May-15 18   | 26d   |              |  | WR Fro             | m Ead, Basa Slab   | CU 4125 4125 -     | Danthau             |      |    |  |  |
|                | WB From East, Base Slab CH 4125 - 4115 = 10m/bay                   | 7d/wk-1a | 10d      | 14-May-15 08 | 23-May-15 18   | 16d   | 11.11        | WB From East, Base Slab CH 4135 - 4125 = 10m/bay   |                    |                    |                    |                     |      |    |  |  |
|                | WB From East, Base Slab CH 4115 - 4105 = 10m/bay                   | 7d/wk-1a | 10d      | 29-May-15 08 | 07-Jun-15 18   | 11d   | and a second |  | 1                  |                    | R. States          |                     |      |    |  |  |
|                |  |          |          |              | 1              | 1.222 |              | WB From East, Base Slab CH 4115 - 4105 = 10m/bay WB From East, Base Slab CH 4105 - 4095 = 10m/bay WB From East, Base Slab CH 4095 - 4085 = 10m/bay |                    |                    |                    |                     |      |    |  |  |
|                | WB From East, Base Slab CH 4105 - 4095 = 10m/bay                   | 7d/wk-1a | 10d      | 13-Jun-15 08 | 23-Jun-15 18   | 6d    | 1            |  |                    |                    |                    |                     |      |    |  |  |
|                | WB From East, Base Slab CH 4095 - 4085 = 10m/bay                   | 7d/wk-1a | 10d      | 24-Jun-15 08 | 04-Jul-15 18   | 6d    |              |  |                    |                    |                    |                     |      |    |  |  |
| A9941          | WB From East, Base Slab CH 4085 - 4080 = 5m                        | 7d/wk-1a | 10d      | 05-Jul-15 08 | 14-Jul-15 18   | 6d    |              |  | 10                 | WB From E          | ast, Base Slab CH  | 4085 - 4080 = 5m    |      |    |  |  |
| Lining (5m/bay | /. 10m separation with base slab)                                  |          |          |              |                |       |              |  | 1                  |                    |                    | 1                   |      |    |  |  |
| A9430          | WB From West, Lining CH 3990 - 3995 = 1bay                         | 7d/wk-1a | 7d       | 14-Feb-15 08 | 23-Feb-15 18   | 30d   |              | I WE   | From West, Linin   | g CH 3990 - 3995   | = 1bay             |                     |      |    |  |  |
| A9470 1        | WB From West, Lining CH 3995 - 4000 = 1bay                         | 7d/wk-1a | 7d       | 24-Feb-15 08 | 02-Mar-15 18   | 30d   |              | <b>E</b> W   | B From West, Lini  | ing CH 3995 - 4000 | ) = 1bay           |                     |      |    |  |  |
| A9435 1        | WB From West, Lining CH 4000 - 4005 = 1bay                         | 7d/wk-1a | 7d       | 03-Mar-15 08 | 09-Mar-15 18   | 30d   |              |  | WB From West, Li   | ning CH 4000 - 401 | 05 = 1bay          |                     |      |    |  |  |
| A9360 1        | WB From West, Lining CH 4005 - 4010 = 1bay                         | 7d/wk-1a | 7d       | 10-Mar-15 08 | 16-Mar-15 18   | 30d   |              |  | WB From West, I    | Lining CH 4005 - 4 | 010 = 1bay         |                     |      |    |  |  |
| A9365          | WB From West, Lining CH 4010 - 4015 = 1bay                         | 7d/wk-1a | 7d       | 17-Mar-15 08 | 23-Mar-15 18   | 30d   |              | 1.1  | WB From West       | Lining CH 4010 -   | 4015 = 1bay        |                     |      |    |  |  |
| A9370 1        | WB From West, Lining CH 4015 - 4020 = 1bay                         | 7d/wk-1a | 7d       | 24-Mar-15 08 | 30-Mar-15 18   | 30d   |              | WB From West, Lining CH 4015 - 4020 = 1bay   |                    |                    |                    |                     |      |    |  |  |
| A9375 1        | WB From West, Lining CH 4020 - 4025 = 1bay                         | 7d/wk-1a | 7d       | 31-Mar-15 08 | 07-Apr-15 18   | 30d   | 1111         | WB From West, Lining CH 4020 - 4025 = 1bay   |                    |                    |                    |                     |      |    |  |  |
| A9380 1        | WB From West, Lining CH 4025 - 4030 = 1bay                         | 7d/wk-1a | 7d       | 08-Apr-15 08 | 14-Apr-15 18   | 30d   |              | ■ WB From West, Lining CH 4025 - 4030 = 1bay   |                    |                    |                    |                     |      |    |  |  |
|                | WB From West, Lining CH 4030 - 4035 = 1bay                         | 7d/wk-1a | 7d       | 15-Apr-15 08 | 21-Apr-15 18   | 30d   | -            |  | 1.000              | West, Lining CH 4  |                    |                     |      |    |  |  |
|                | 15 of 18   |          |          |              | and the second |       | 12           |  | repared by William |                    |                    |                     |      | _  |  |  |

| tivity ID  | Activity Name  |                 | Original<br>Duration |                | Finish          | Total    |               |                   | 2  | 115                  |               | - L          | 2016                         |                      |                |
|------------|--|-----------------|----------------------|----------------|-----------------|----------|---------------|-------------------|--|----------------------|---------------|--------------|------------------------------|----------------------|----------------|
| 10077      |  |                 |                      |                |                 | Float    | Q4            | Q1                | Q2   | Q3                   |               | 24           | Q1                           | Q2                   | Q3             |
| A9390      | WB From West, Lining CH 4035 - 4040 = 1bay               | 7d/wk-1a        | 7d                   | 22-Apr-15 08   | 28-Apr-15 18    | 30d      | and an        |                   | WB From                                      | West, Lining C       | H 4035 - 404  | 40 = 1bay    | -                            |                      |                |
| A9330      | WB From West, Lining CH 4040 - 4045 = 1bay               | 7d/wk-1a        | 7d                   | 29-Apr-15 08   | 06-May-15 18    | 30d      |               |                   | WB Fro                                       | m West, Lining       | CH 4040 - 4   | 045 = 1ba    | y                            |                      | 1              |
| A9335      | WB From West, Lining CH 4045 - 4050 = 1bay               | 7d/wk-1a        | 7d                   | 07-May-15 08   | 13-May-15 18    | 30d      |               |                   | WB Fr  | om West, Lining      | g CH 4045 -   | 4050 = 1t    | ay                           |                      |                |
| A9340      | WB From West, Lining CH 4050 - 4055 = 1bay               | 7d/wk-1a        | 7d                   | 14-May-15 08   | 20-May-15 18    | 30d      |               |                   | WB WB  | From West, Lini      | ng CH 4050    | - 4055 = 1   | bay                          |                      |                |
| A9345      | WB From West, Lining CH 4055 - 4060 = 1bay               | 7d/wk-1a        | 7d                   | 21-May-15 08   | 27-May-15 18    | 30d      |               |                   | WB   | From West, Lir       | ning CH 405   | 5 - 4060 =   | 1bay                         |                      |                |
| A9350      | WB From West, Lining CH 4060 - 4065 = 1bay               | 7d/wk-1a        | 7d                   | 28-May-15 08   | 03-Jun-15 18    | 30d      |               |                   | E W  | B From West, L       | ining CH 40   | 60 - 4065    | = 1bay                       |                      |                |
| A9355      | WB From West, Lining CH 4065 - 4070 = 1bay               | 7d/wk-1a        | 5d                   | 04-Jun-15 08   | 08-Jun-15 18    | 30d      |               |                   |  | VB From West,        | Lining CH 40  | 065 - 4070   | ) = 1bay                     |                      |                |
| A9415      | WB From West, Lining CH 4070 - 4075 = 1bay               | 7d/wk-1a        | 5d                   | 11-Jul-15 08   | 15-Jul-15 18    | Od       |               |                   |  | WB From              | West, Linin   | g CH 407     | 0 - 4075 = 1bay              |                      |                |
| A9475      | WB From West, Lining CH 4075 - 4080 = 1bay               | 7d/wk-1a        | 5d                   | 16-Jul-15 08   | 20-Jul-15 18    | 0d       | 1             |                   |  | WB From              | m West, Linir | 1g CH 403    | 5 - 4080 = 1bay              |                      |                |
| A9440      | WB From West, Lining CH 4080 - 4085 = 1bay               | 7d/wk-1a        | 5d                   | 21-Jul-15 08   | 25-Jul-15 18    | Od       | 1             |                   | 1  | WB Fro               | om West, Lin  | ing CH 40    | 80 - 4085 = 1bay             |                      |                |
| A9445      | WB From West, Lining CH 4085 - 4090 = 1bay               | 7d/wk-1a        | 5d                   | 26-Jul-15 08   | 30-Jul-15 18    | Odi      |               |                   |  | WB Fr                | rom West, Li  | ning CH 4    | 085 - 4090 = 1bay            |                      |                |
| A9450      | WB From West, Lining CH 4090 - 4095 = 1bay               | 7d/wk-1a        | 5d                   | 31-Jul-15 08   | 04-Aug-15 18    | Od       |               |                   |  |                      | From West, L  | ining CH     | 4090 - 4095 = 1ba            | y                    |                |
| A9455      | WB From West, Lining CH 4095 - 4100 = 1bay               | 7d/wk-1a        | 5d                   | 05-Aug-15 08   | 09-Aug-15 18    | Dd       |               |                   |  | I WB                 | From West,    | Lining CH    | 4095 - 4100 = 15             | ay                   |                |
| A9420      | WB From West, Lining CH 4100 - 4105 = 1bay               | 7d/wk-1a        | 5d                   | 10-Aug-15 08   | 14-Aug-15 18    | Od       |               |                   |  | I WE                 | 3 From West   | Lining C     | H 4100 - 4105 = 1            | bay                  |                |
| A9425      | WB From West, Lining CH 4105 - 4110 = 1bay               | 7d/wk-1a        | 5d                   | 15-Aug-15 08   | 19-Aug-15 18    | Od       |               |                   |  | s w                  | B From Wes    | st, Lining ( | H 4105 - 4110 = 1            | Ibay                 |                |
| A9460      | WB From West, Lining CH 4110 - 4115 = 1bay               | 7d/wk-1a        | 5d                   | 20-Aug-15 08   | 24-Aug-15 18    | Od       |               |                   | 📱 WB From West                               |                      |               |              | CH 4110 - 4115 =             | 1bay                 |                |
| A9465      | WB From West, Lining CH 4115 - 4120 = 1bay               | 7d/wk-1a        | 5d                   | 25-Aug-15 08   | 29-Aug-15 18    | Od       |               |                   |  | WB From West, Lining |               |              |                              | = 1bay               |                |
| A9395      | WB From West, Lining CH 4120 - 4125 = 1bay               | 7d/wk-1a        | 5d                   | 30-Aug-15 08   | 03-Sep-15 18    | 0d       |               |                   | WB From West, Linin                          |                      |               |              | g CH 4120 - 4125             | = 1bay               |                |
| A9400      | WB From West, Lining CH 4125 - 4130 = 1bay               | 7d/wk-1a        | 5d                   | 04-Sep-15 08   | 08-Sep-15 18    | Od       | 100           |                   | WB From West, Lini                           |                      |               |              | Lining CH 4125 - 4130 = 1bay |                      |                |
| A9405      | WB From West, Lining CH 4130 - 4135 = 1bay               | 7d/wk-1a        | 5d                   | 09-Sep-15 08   | 13-Sep-15 18    | Od       | -             |                   | WB From West, Lini                           |                      |               |              | ining CH 4130 - 4135 = 1bay  |                      |                |
| A9410      | WB From West, Lining CH 4135 - 4136.5 = 1bay             | 7d/wk-1a        | 5d                   | 14-Sep-15 08   | 18-Sep-15 18    | Od       | 1             |                   | WB From West, Lining CH 4135 - 4136.5 = 1bay |                      |               |              |                              |                      |                |
| OHVD(10m   | n/bay) / Utility Trough                                  | -               | -                    | -              | -               | -        | 1             |                   |  |                      |               |              | Contraction of the second    |                      |                |
| A9480      | WB From West OHVD and utility trough =, 153= 16 bays @   | 7d/wk-1a        | 115d                 | 08-Jul-15 08   | 02-Nov-15 18    | Od       |               |                   |  |                      | -             | WB From      | West OHVD and                | utility trough =, 15 | 3= 16 bays @   |
| Completion | 10m/bay @ 7d/bay<br>of KD10- Section 5                   |                 |                      |                |                 | -        | -             |                   |  | -                    | _             |              | - 6.00 K. 6.0 A              |                      |                |
| A8445      | KD10- Section 2: Completion of Mined Tunnel Works (orig. | 7d/wk-2         | Od                   |                | 02-Nov-15 18*   | Ûd       |               |                   |  |                      |               | KD10- Se     | ction 2: Completic           | n of Mined Tunnel    | Works (orig. T |
| nterface v | Target KD10- 2 Nov 2015)<br>works with other Contracts   |                 |                      |                |                 | -        |               |                   |  | -                    | -             |              |                              |                      |                |
| S5_60115   | Handover TZ6 to MTR                                      | 7d/wk-2         | Od                   | -              | 30-Sep-14 18    | -249d    | Handover T    | Z6 to MTR         |  |                      |               |              |                              |                      |                |
| S6_5283    | Handover TZ4 to CWB(T2)                                  | 7d/wk-2         | 1.12                 |                | 10-Nov-14 18    | -290d    |               | ndover TZ4 to CWE | B(T2)  |                      |               |              |                              |                      |                |
| S6_5275    | Provide access to CWB (CC) Contractor- TS1 & TS2         | 7d/wk-2         | -                    |                | 21-Nov-14 18*   | 10000    |               |                   | NB (CC) Contractor                           | - TS1 & TS2          |               |              |                              |                      |                |
|            | 16 - 6 19  | A = 200 E       | 10                   |                | Sec. Comp. Com. | 200      |               |                   | Prepared by William                          | 1                    |               | _            |                              |                      |                |
| Summa      | ary bar  |                 |                      |                |                 |          |               | Date              | Revision                                     |                      | Approved      |              |                              |                      |                |
| Actual L   | Level of Effort China                                    | State Construct | ction En             | gineering (Hor | ng Kong) Ltd    |          |               | 26-Sep 1st subr   |  |                      |               |              |                              | -                    | -              |
|            | ning Work Contract No. HY/2009/15 - Cent                 | ral Wan Chai B  | V Pase -             | Tunnel / Cau   | Neway Bay Tun   | hoon She | lter Section) | 1.000             |  |                      | -             |              | 中國建築                         |                      |                |
|            | Remaining Work   | an wan onal D   | y 1 455 -            | ranner ( caus  | seway bay typ   | noon oth | and occurry   |                   |  | -                    |               |              | CHINA STATE CONSTRU          | ACTION ENGINEERING   | HONG KONG) LT  |
| Stinual    | ne   | MODIC           | DOCO                 | AMME REV       | 1 80            |          |               |                   |  |                      |               |              |                              |                      |                |

| ctivity ID                | Activity Name  | Calendar     | Original<br>Duration | Start Finish  | Total<br>Float |                                  |                        |  | 015                    | · · · · · · · · · · · · · · · · · · · |                   | 2016                          |                      |
|---------------------------|--|--------------|----------------------|---|----------------|----------------------------------|------------------------|--|------------------------|---------------------------------------|-------------------|-------------------------------|----------------------|
| S6 5280                   | Provide access to CWB (CC) Contractor- TS4, TPCWA, Mined                 | 7d/wk-2      | Od                   | 31-Mar-16 18*   |                | Q4                               | Q1                     | Q2   | Q3                     | Q4                                    | Q1                | Q2<br>Provide access          | Q3                   |
|                           | Tunnel   |              |                      |   |                |                                  |                        |  |                        |                                       |                   |                               |                      |
| Stage and                 | Section Completion   |              |                      |   |                |                                  |                        |  |                        |                                       |                   |                               |                      |
| KD_5735                   | KD8 - Completion of Section 3, (1326d)                                   | 7d/wk-2      | DO                   | 30-Sep-14 18*   | -86d           | KD8 - Completic                  | n of Section 3, (      | (1326d)                                    |                        |                                       |                   | 1                             | 1.000                |
| KD_5720                   | KD5 - Achievement of Stage 5, (1152d)                                    | 7d/wk-2      | b0                   | 16-Oct-14 18*   | -323d          | <ul> <li>KD5 - Achiev</li> </ul> | ement of Stage         | 5, (1152d)                                 |                        |                                       |                   |                               |                      |
| KD_5760                   | KD13 - Completion of Section 7B, (1152d)                                 | 7d/wk-2      | 0d                   | 17-Nov-14 18*   | -353d          | ♦ KD13                           | Completion of          | Section 7B, (1152d)                        |                        |                                       |                   | ā.                            | 1                    |
| KD_5730                   | KD7 - Completion of Section 2, (1152d)                                   | 7d/wk-2      | b0                   | 17-Nov-14 18*   | -297d          | ♦ KD7 -                          | Completion of S        | ection 2, (1152d)                          |                        | i                                     |                   |                               |                      |
| KD_5740                   | KD9 - Completion of Section 4, (1739d)                                   | 7d/wk-2      | 0d                   | 10-Nov-15 18*   | -132d          |                                  |                        |  |                        | KD9 -                                 | Completion of Se  | ction 4, (1739d)              |                      |
| KD_5745                   | KD10 - Completion of Section 5, (1863d)                                  | 7d/wk-2      | Od                   | 25-Mar-16 18  | -144d          |                                  |                        |  |                        |                                       |                   | KD10 - Comple                 | tion of Section 5, e |
| KD_5750                   | KD11 - Completion of Section 6, (1949d)                                  | 7d/wk-2      | Dd                   | 23-May-15 18*   | -121d          |                                  |                        |  |                        |                                       |                   | ♦ KD                          | 1 - Completion of    |
| Portion Ha                | andover Date   |              | -                    |   |                |                                  |                        |  | 1                      |                                       |                   |                               |                      |
| CD_5685                   | Portion Handover - Portion IV(4), KD8 +28                                | 7d/wk-2      | 0d                   | 28-Oct-14 18*   | -50d           | Portion Ha                       | andover - Portion      | n IV(4), KD8 +28                           |                        |                                       |                   |                               |                      |
| CD_5680                   | Portion Handover - Portion V (5), KD8 +28                                | 7d/wk-2      | Dd                   | 28-Oct-14 18*   | -50d           | Portion Ha                       | andover - Portic       | on V (5), KD8 +28                          |                        |                                       | 1                 |                               |                      |
| CD_5695                   | Portion Handover - Portion VI (6), KD8 +28                               | 7d/wk-2      | Dd                   | 28-Oct-14 18*   | -50d           | Portion Ha                       | andover - Portio       | n VI (6), KD8 +28                          |                        |                                       |                   |                               |                      |
| CD_5735                   | Portion Handover - Portion XIIIB (13B), KD8 +28                          | 7d/wk-2      | Od                   | 28-Oct-14 18*   | -50d           | Portion Ha                       | andover - Portio       | n XIIIB (13B), KD8 -                       | +28                    |                                       |                   |                               |                      |
| CD_5790                   | Portion Handover - Portion XXII (22), KD8 +28                            | 7d/wk-2      | Od                   | 28-Oct-14 18*   | -50d           | Portion Ha                       | andover + Portio       | n XXII (22), KD8 +2                        | 8                      |                                       |                   |                               |                      |
| CD_5670                   | Portion Handover - Portion III (3), KD8 +28                              | 7d/wk-2      | 0d                   | 28-Oct-14 18*   | -50d           | Portion Ha                       | andover - Portio       | n III (3), KD8 +28                         |                        |                                       |                   |                               |                      |
| CD_5720                   | Portion Handover - Portion XIIIA (13A), KD7 +28                          | 7d/wk-2      | 0d                   | 15-Dec-14 18*   | -79d           | ٠                                | Portion Handove        | er - Portion XIIIA (13                     | 3A), KD7 +28           |                                       |                   |                               |                      |
| CD_5705                   | Portion Handover - Portion VIII (8), KD7 +28                             | 7d/wk-2      | Dd                   | 15-Dec-14 18*   | -79d           | •                                | Portion Handove        | er - Portion VIII (8),                     | KD7 +28                |                                       |                   |                               |                      |
| CD_5730                   | Portion Handover - Portion XIVA (14A), KD7 +28                           | 7d/wk-2      | Od                   | 15-Dec-14 18  | -79d           | •                                | Portion Handove        | er - Portion XIVA (14                      | 4A), KD7 +28           |                                       |                   |                               | 1                    |
| CD_5740                   | Portion Handover - Portion XV (15), KD7 +28                              | 7d/wk-2      | bð                   | 15-Dec-14 18  | -79d           | •                                | Portion Handov         | er - Portion XV (15).                      | KD7 +28                |                                       |                   |                               | 1                    |
| CD_5805                   | Portion Handover - Portion XXIII (23), KD7 +28                           | 7d/wk-2      | Dd                   | 15-Dec-14 18  | -79d           | ٠                                | Portion Handov         | er - Portion XXIII (23                     | 3), KD7 +28            |                                       |                   |                               | · · · ·              |
| CD_5775                   | Portion Handover - Portion XVIII (18), KD10 +28                          | 7d/wk-2      | Od                   | 30-Nov-15 18  | • Od           |                                  |                        |  |                        | • P                                   | ortion Handover - | Portion XVIII (18),           | KD10 +28             |
| CD_5710                   | Portion Handover - Portion XI (11), KD9 +28                              | 7d/wk-2      | Od                   | 27-Dec-15 18  | Dd             | 1.11                             |                        |  |                        |                                       | Portion Hand      | over - Portion XI (1          | ), KD9 +28           |
| CD_5700                   | Portion Handover - Portion IX (9), KD10 +28                              | 7d/wk-2      | 0d                   | 22-Apr-16 18*   | -52d           |                                  |                        |  |                        |                                       |                   | Portion H                     | andover - Portion    |
| CD_5745                   | Portion Handover - Portion XIVB (14B), KD10 +28                          | 7d/wk-2      | 0d                   | 22-Apr-16 18*   | -52d           |                                  |                        |  |                        | 1                                     |                   | Portion H                     | andover - Portion    |
| CD_5755                   | Portion Handover - Portion XVI (16), KD10 +28                            | 7d/wk-2      | 0d                   | 22-Apr-16 18*   | -52d           |                                  |                        |  |                        |                                       |                   | Portion H                     | andover - Portion    |
| CD_5750                   | Portion Handover - Portion XVII (17), KD10 +28                           | 7d/wk-2      | Dd                   | 22-Apr-16 18*   | -52d           | ALC: NO                          |                        |  |                        |                                       |                   | Portion H                     | andover - Portion    |
| CD_5760                   | Portion Handover - Portion XIX (19), KD10 +28                            | 7d/wk-2      | 0d                   | 22-Apr-16 181   | -52d           |                                  |                        |  |                        |                                       |                   | Portion H                     | andover - Portion    |
| CD_5780                   | Portion Handover - Portion XXB (20B), KD10 +28                           | 7d/wk-2      | Dd                   | 22-Apr-16 18  | -52d           |                                  |                        |  |                        |                                       |                   | <ul> <li>Portion H</li> </ul> | andover - Portion    |
| Actual Actual Actual Rema | Work<br>ining Work Contract No. HY/2009/15 - Central<br>I Remaining Work | I Wan Chai E | By Pass -            | gineering (Hong Kong) Ltd<br>Tunnel ( Causeway Bay Ty<br>RAMME REV. M | phoon St       | 26                               | Date<br>8-Sep 1st subi | Prepared by Willian<br>Revision<br>mission | n Caluza<br>Checked Ap | oproved                               |                   | 工程(哥港                         |                      |

| Activity ID | Activity Name                                  | Calendar |          |   | Finish        | Total |        |    | 20 | 015 |    |    | 2016 | 1              |
|-------------|--|----------|----------|---|---------------|-------|--------|----|----|-----|----|----|------|----------------|
|             |  |          | Duration |   | 1. The second | Float | <br>Q4 | Q1 | Q2 | Q3  | Q4 | Q1 | Q2   | Q3             |
| CD_5690     | Portion Handover - Portion VII (7), KD11 +28   | 7d/wk-2  | 0d       |   | 20-Jun-16 18  | Od    |        |    |    |     |    |    |      | Portion Handov |
| CD_5725     | Portion Handover - Portion XII (12), KD11 +28  | 7d/wk-2  | 0d       | 1 | 20-Jun-16 18  | b0    |        |    |    |     |    |    |      | Portion Handov |
| CD_5715     | Portion Handover - Portion X (10), KD11 +28    | 7d/wk-2  | Dd       | 1 | 20-Jun-16 18  | Od    |        |    |    |     |    |    |      | Portion Handov |
| CD_5785     | Portion Handover - Portion XXA (20A), KD11 +28 | 7d/wk-2  | Dd       |   | 20-Jun-16 18  | Od    |        |    |    |     |    |    |      | Portion Handov |
| CD_5795     | Portion Handover - Portion XXI (21), KD11 +28  | 7d/wk-2  | b0       | 1 | 20-Jun-16 18  | Od    |        |    |    |     |    |    |      | Portion Hando  |

| Summary Bar   | 18 of 18  | 1      | Prepared by William | n Caluza |          |         |   |
|---|---|--------|---------------------|----------|----------|---------|---|
| and the second se |   | Date   | Revision            | Checked  | Approved |         |   |
| Actual Level of Effort  | China State Construction Engineering (Hong Kong) Ltd  | 26-Sep | 1st submission      |          |          | -       |   |
| Actual Work   |   |        |                     |          |          | LINE.   | 中國連禁工程(香港)有限公司                                      |
| Remaining Work  | Contract No. HY/2009/15 - Central Wan Chai By Pass - Tunnel ( Causeway Bay Typhoon Shelter Section) | -      |                     |          |          | 1000040 | CHINA STATE CONSTRUCTION ENGINEERING (HONG KONG) LT |
| Critical Remaining Work   |   | -      |                     |          |          |         |   |
| Milestone   | WORKS PROGRAMME REV. M  |        |                     |          |          | 1       |   |

# CEDD CONTRACT HK/2009/02

| Iý ID. A   | ctivily Name   | Ong Dur | Actual Start           | Actual Finish          | Total Ploat Cale      | ndar                       |                       | _                                      |                        | 2015                 |                                 |                                 |                           |                       |
|--|--|---------|------------------------|------------------------|-----------------------|----------------------------|-----------------------|--|------------------------|----------------------|---------------------------------|---------------------------------|---------------------------|-----------------------|
| ree Months Pollir  | ng Programme 2015-07-20 (dd 20-Jul-15)   |         |                        |                        |                       |                            | b)L                   | 1                                      | AUG                    |                      | Sep                             |                                 | Oct                       | Nov                   |
|  |  | -       |                        |                        |                       |                            |                       |  |                        |                      |                                 |                                 |                           |                       |
| A REAL PROPERTY OF A READ REAL PROPERTY OF A REAL P | es (Revised up to EOTO No.12 Issued on 15-Jun-15)  |         |                        |                        |                       |                            |                       |  |                        |                      |                                 |                                 |                           |                       |
| Contractual Completio  |  |         |                        |                        |                       |                            |                       |  |                        |                      |                                 |                                 |                           |                       |
| Soft Landscaping & Est   |  |         |                        |                        |                       |                            |                       | Sec. Marcon                            |                        |                      |                                 |                                 |                           |                       |
|  | ection 8D Works (1838 days) - Establishment Works in Area 8 (10-Feb-15)  | 0       |                        | 20-Jui-15*             | -161 Gale             | ndar Day                   |                       | Soction 8D Works                       | (1836 days) - Establis | mmunt Works in Are   | a 8 (10-Feb-15)                 |                                 |                           |                       |
| Possession of Site   |  |         |                        |                        |                       | 1                          |                       |  |                        |                      |                                 | 1000010000                      |                           |                       |
| 1.14)  | ossession of Porton 7 - Eastern Bulkhead   | 0       | 16-Sep-15*             |                        | -60 Cale              | ndar Day                   |                       |  |                        |                      | Poss                            | ession of Portion 7 - East      | ern Buikhead              |                       |
| reliminaries   |  |         |                        |                        |                       |                            |                       |  |                        |                      |                                 |                                 |                           |                       |
| terface with Others  |  |         |                        |                        |                       |                            |                       |  |                        |                      |                                 |                                 |                           |                       |
| PRE0950 P  | ermanent Diversion of Box Culvert M by HK/2009/01  | 0       |                        | 20-Jul-15*             | -427 Cale             | ndar Day                   |                       | Permanient Diversio                    | on of Box Culvert M b  | y HK/2009/01         |                                 |                                 |                           |                       |
| ritical Submission &   | Approval   |         |                        |                        |                       | differentiation of         | ****************      | The second second second               |                        |                      |                                 | *********                       | ********                  |                       |
| RE-SUB-1000B T   | emp Covered Walkway Capping Beam - Design Approval by AECOM  | 30      | 19-Jun-13 A            | 16-Aug-15              | 379 Cal               | ndar Day                   |                       | -                                      | Temp                   | Covered Walkway      | apping Beam - E                 | esign Approval by AECO          | M                         |                       |
| RE-SUB-T010B T   | emp Covered Walkway Cover System (PS30.5) - Design Approval by AECOM   | 30      | 12-Jun-14 A            | 16-Aug-15              | 379 Cale              | ndar Day                   |                       |  |                        |                      |                                 | (30.5) - Design Approval I      |                           |                       |
| SD for CWB Tunnel  |  |         |                        |                        |                       |                            |                       |  | 1.000                  |                      | and a state of the state of the | anist and developments          | of needon                 |                       |
| PRE-CSD-2030B T  | unnel Portion 2 - Redesigned CWB Tunnel Structure Design Submission Approval by AEC  | 60      | 16-Nov-13 A            | 11-Aug-15              | 84 Cale               | ndar Day                   |                       |  | Tunnel Podie           | n 2 - Redesioned C   | WB Tunnel Struc                 | ture Design Submission A        | corroyal by AECOM         |                       |
| PRE-CSD-3000B T  | unnel Portion 384 - Redesigned Temp D-Wall Submission Approval by AECOM & GEO  | 30      | 08-Jun-13 A            | 19-Aug-15              | 76 Cale               | ndar Day                   | deterriteries disease |  |                        |                      |                                 | D-Wall Submission Appr          |                           | umenter or            |
|  | unnel Portion 384 - ELS Submission Approval by AECOM & GEO   | 60      | 17-Jan-14 A            | 18-Aug-15              | -225 Cale             | ndar Day                   |                       |  | Tun                    | nel Portion 3&4 - EL | S Submission Ac                 | proval by AECOM & GEO           | Timpel Portion 384 - F    | S Submission An       |
| PRE-CSD-5000B T  | unnel Portion 5 - Temp D-Wall Submission Approval by AECOM & GEO   | 60      | 15-Aug-13 A            | 21-Aug-15              | -358 Cale             | ndar Day                   |                       |  |                        |                      |                                 | ission Approval by AECC         |                           |                       |
| PRE-CSD-5010B T  | unnel Portion 5 - ELS Submission Approval by AECOM & GEO   | 60      | 09-Apr-15 A            | 16-Sep-15              | -332 Cat              | ndar Day                   |                       |  |                        |                      |                                 | el Pontion 5 - ELS Submis       |                           |                       |
| ection 3 of the Wor  | ks - Reprovisioning of Government Helipad and Public Toilet  |         |                        |                        |                       |                            |                       |  |                        |                      |                                 | er transmitter i beste segurite | Soon Paper of an uy Pacoo | In a circo, render    |
| utstanding Works   | and the second and a second seco |         |                        |                        |                       |                            |                       |  |                        |                      |                                 |                                 |                           |                       |
|  | teinstatement of armour tock, retaining walls & new covered walkway along Expo Drive East  | 254     | 11-Aug-12 A            | 11-Aug-15*             | 222 (100)             | Norking Day                |                       |  | -                      |                      |                                 |                                 |                           |                       |
| and the second   |  | 404     | 11-Aug-12-A            | 11-Aug-15-             | -20" HIK              | Working Liay               |                       |  | Renstateme             | nt of armour rock, n | itaining walls & ni             | w covered waikway along         | Expo Drive East, Rein     | statement of armou    |
|  | orks - CWB Tunnel Structure (CH3400 - CH3796)  |         |                        |                        |                       |                            |                       |  |                        |                      |                                 |                                 |                           |                       |
| unnel Portion 1 (CH3)  | 500-GH3630)  |         |                        |                        |                       |                            |                       |  |                        |                      |                                 |                                 |                           |                       |
| CWB Structural Works   |  |         |                        |                        |                       |                            |                       |  |                        |                      |                                 |                                 |                           |                       |
|  | Remove Inclined Struts and King Posts (Bay 1 to Bay 6)   | 45      | 29-Jun-15 A            | 08-Aug-15              |                       | Norking Day                |                       |  | Remove Inclined        | Struts and King Po   | sts (Bay 1 to Bay               | 6) Remove Inclined Strut        | ts and King Posts (Bay    | to Bay 6)             |
|  | Construct Roadside Barriers (Bay 1 to Bay 6)   | 75      | 01-Aug-15              | 30-Od-15               | -15 HK                | Working Day                |                       |  |                        |                      | _                               |                                 |                           | Construct Roadside    |
| Funnel Portion 2 (CH3-   | 425-GH3500)  |         |                        |                        |                       |                            |                       |  |                        |                      |                                 | -                               |                           |                       |
| CWB Structural Works   | and the second   |         |                        |                        |                       |                            |                       |  |                        |                      |                                 |                                 |                           |                       |
| S98-T2-5100 C  | Construct Roadside Barriers (Bay 1 to Bay 6)   | 65      | 03-Sep-15              | 20-Nov-15              | -15 HK                | Working Day                |                       |  |                        |                      |                                 |                                 |                           |                       |
| Bay 1  |  |         |                        |                        | and the second second |                            |                       |  |                        | ******************   | *****************               |                                 |                           |                       |
|  | Roof - Waterproofing   | 4       | 05-Aug-15*             | 08-Aug-15              |                       | Norking Day                |                       |  | Roof - Waterpro        | ofing Roof - Waters  | prifoon                         |                                 |                           |                       |
|  | kool - Scalfolding Dismanting  | 3       | 20-Jul-15              | 22+Jul-15              | 41 HK                 | Norking Day                |                       | Rool + Scalfoldin                      | ng Dismantling         |                      |                                 |                                 |                           |                       |
| Blay 2   |  |         |                        |                        |                       | 100 C                      |                       |  |                        |                      |                                 |                                 |                           |                       |
|  | toof - Waterproofing   | 4       | 10-Aug-15              | 13-Aug-15              |                       | Working Day                |                       |  | Roof • Wa              | terproofing          |                                 |                                 |                           |                       |
|  | toof - Scattolding Dismantling   | 3       | 20-Jul-15              | 22-Jul-15              | 41 HK                 | Working Day                |                       | Roof - Scatfoldin                      | ng Dismaniling         |                      |                                 |                                 |                           |                       |
| 50y 3<br>\$98-T2-83-3210 R   |  |         |                        |                        |                       |                            |                       |  |                        |                      |                                 |                                 |                           |                       |
|  | koof - Waterproofing   | 4       | 14-Aug-15              | 18-Aug-15              |                       | Working Day                |                       | in one of the                          |                        | I - Waterproofing    |                                 |                                 |                           |                       |
| The second of the  | Roof - Scaffolding Dismantling   | 3       | 20-Jul-15              | 22-Jul-15              | 41 HK                 | Warking Day                |                       | Roof - Scatteldin                      | g Dismantling          |                      |                                 |                                 |                           |                       |
| Bay 4<br>\$98-12-84-3180 R   | Roof - Formwork  |         | 10.1.1.1.1.1           | 25-Jul-15              | 10.000                | Indian Del                 |                       | ······································ |                        |                      |                                 | and reduction of the local data |                           |                       |
|  | koor - Formwork<br>Roof - Rebar Facing   | 10      | 19-Jul-15A             |                        |                       | Working Day                |                       | Roaf - Form                            |                        |                      |                                 |                                 |                           |                       |
| and the second se  | toor - Kepar Haing<br>toof - Concrete & Curing   | 10      | 27-Jul-15              | 06-Aug-15              |                       | Working Day                |                       |  | Rool - Rebar Fixing    |                      | 100                             |                                 |                           |                       |
|  | Roof - Concrete & Curing   | 4       | 07-Aug-15              | 20-Aug-15              |                       | nda#Day                    |                       |  |                        | loof - Concrete & Cu |                                 |                                 |                           |                       |
|  |  | 4       | 21-Aug-15              | 25-Aug-15              |                       | Working Day                |                       |  |                        | Roof - Waterpr       |                                 |                                 |                           |                       |
| Bay 5  | Roof - Scattolding Dismantling   | 3       | 21-Aug-15              | 24 Aug-15              | 13 HK                 | Working Day                |                       |  |                        | Roof - Scattoldin    | g Dismanting                    |                                 |                           | and the second second |
|  | Vall (North) - Waterproofing   | 2       | 20-Jul-15              | 21-Jul-15              | 30 400                | Working Day                |                       | West (Marth)                           | former find Mint man   | -                    |                                 |                                 |                           |                       |
|  | Val (North) - Rebar Faing (for Bay 5 and Bay 6)  | 3       | 20-Jul-15              | 21-Jul-15              |                       |                            |                       | Wat (North) - Wa                       |                        |                      |                                 | in the second                   |                           |                       |
|  | Val (Middle) - Formwork & Concrete   |         | 20-Jul-15              | 24-Jul-15              |                       | Working Day<br>Working Day |                       |  |                        |                      |                                 | iking (for Bay 5 and Buy 6      | 5)                        |                       |
| Contraction of the second s  | Vall (North) - Fornwork & Concrete   | 1       |                        |                        |                       |                            |                       | Wall (Middle) - F                      |                        |                      |                                 |                                 |                           |                       |
|  | Vall (Niddle) - Curing & Formwork Removal  | -       | 25-Jul-15<br>23-Jul-15 | 28-Jul-15              |                       | Working Day                |                       |  | rth) - Formwork & Co   |                      |                                 |                                 |                           |                       |
|  | Vali (South) - Curing & Formwork Removal   | -       | 18-Jul-15 A            | 25-Jul-15<br>21-Jul-15 |                       | ndar Day                   |                       |  | ) - Cuting & Formword  |                      |                                 |                                 |                           |                       |
|  | Vas (Souin) - Curing & Formwork Removal<br>Vall (North) - Curing & Formwork Removal  | 3       |                        |                        |                       | ndar Day                   | 1                     |  | ring & Formwork Ren    |                      |                                 |                                 |                           |                       |
|  | Vali (Norin) - Curing & Formwork Hemovia<br>DHVD Base Slab - Scatfolding Erection  | 3       | 29-Jul-15              | 31-Jul-15              |                       | indat Day                  |                       |  |                        |                      |                                 | g & Famwork Removal             |                           |                       |
| aspringestin C   | suite man and a generally Eldered  |         | 01-Aug-15              | 05-Aug-15              | -30 HK                | Norking Day                |                       |  | OHVD Base Slab - :     | scallolding Erection | OHVD Base Sla                   | - Scattolding Erection          |                           |                       |
|  |  | _       |                        |                        |                       |                            |                       |  |                        |                      | Data                            | Berten                          | 1 01 1 1                  | 1.1                   |
| <ul> <li>Milestone</li> </ul>  |  |         |                        |                        |                       |                            |                       |  |                        |                      | Date                            | Revision                        | Checked                   | Approved              |
| Critical Milesto   |  |         |                        |                        | and the second        |                            |                       |  |                        | 20-Ji                | IF15                            | 3MRP                            |                           | -                     |
|  | CHUN WO - CRGL   |         |                        |                        |                       |                            |                       | 09/02                                  |                        |                      |                                 |                                 |                           |                       |

Critical Milestones
 CHUN WO - CRGL
 JOINT VENTURE
 WD II - Central Wanchai Bypass at Wan Chai East (Contract 2)
 3-MONTH ROLLING PROGRAMME (dd 20-Jul-15)

Page 1 of 2

## CEDD CONTRACT HK/2009/02

| wity ID                  | Aquivity Name   | Ong Dur | Scheduled/   |                        | Total Fical Calendar  |               |  |   |  |   |
|--------------------------|---|---------|--------------|------------------------|-----------------------|---------------|--|---|--|---|
|                          |   | 1000    | Actual Start | Actual Finish          |                       | 1             |  | 2015  |  |   |
| \$98-T2-85-3120          | OHVD Base Slab - Waterproofing to Upper Side Wall                                       | 3       | 01-Aug-15    | 04-Aug-15              | -30 HK Working Day    |               | OHVD Base Slab - Watero                  | Sep<br>rooling to Upper Side Wall, OHVD Base :  | Oci  | Nov.  |
| \$98-T2-85-3130          | OHVD Base Slab - Formwork   | 3       | 05-Aug-15    | 07-Aug-15              | -30 HK Working Day    |               |  | mwork, OHVD Base Slab - Formwork  | tere - retere becoming to obber  | Side Yrat                                       |
| S98-T2-85-3140           | OHVD Base Sinb - Rebar Fixing   | 4       | 08-Aug-15    | 12-Aug-15              | -30 HK Working Day    |               |  | - Rebar Fixing, OHVD Base Stab - Reba   | Ening  |   |
| S98-T2-85-3150           | DHVD Base Slab - Concrete, Curing & Formwork Dismantling                                | 14      | 13-Aug-15    | 26-Aug-15              | -35 Calendar Day      |               |  | OHVD Base Slab - Concrete, Curing & F   |  | Dars Cish - Persona Purso                       |
| \$98-T2-85-3160          | OHVD Hanger Wall - Formwork, Rebar & Concrete   | 3       | 17-Aug-15    | 19-Aug-15              | -24 HK Working Day    |               |  | langer Wall + Formwork, Rebar & Concre  |  |   |
| \$98-T2-85-3170          | Roof - Scattolding Erection for Roof  | 7       | 27-Aug-15    | 03-Sep-15              | -30 HK Working Day    |               |  | Roof - Scaffolding Erection for   |  |   |
| \$98-T2-85-3180          | Root - Formwork   | 9       | 04-Sep-15    | 14-Sep-15              | -30 HK Working Day    |               | "Currenterention                         | Roof - Formwork   |  | ant for hoos                                    |
| S98-T2-85-3190           | Roof - Rebar Fixing   | 10      | 15-Sep-15    | 25-Sep-15              | -30 HK Working Day    |               |  |   | - Rebar Fixing, Rool - Reba  | - Parison                                       |
| S98-T2-85-3200           | Roof + Concrete & Curing  | 14      | 26-Sop-15    | 09-Oct-15              | -35 Calendar Day      |               |  | Ro  |  |   |
| S98-T2-85-3210           | Roof - Winerproofing  | 4       | 10-Oct-15    | 14-Oct-15              | 65 HK Working Day     |               |  | -   |  | e & Curing, Roof - Consrete a                   |
| S98-T2-85-3220           | Roof - Scaffolding Dismaniling  | 3       | 10-0d-15     | 13-Oct-15              | -28 HK Working Day    |               |  |   | Roof - W   | aterproofing<br>affolding Dismantling, Roof - 5 |
| 869 6<br>\$98-T2-86-1010 | Base Slab - Waterproofing   |         | 20-Jul-15    | 23-Jul-15              | 10 June Manager Barri |               |  | in the second | and the second   |   |
| S9B-T2-B6-1020           | Base Slab - Formwork & Rebail Fixing  | 4       | 24-Jul-15    | 23-Jul-15<br>08-Aug-15 | -19 HK Working Day    |               | Base Slab - Waterproofing, Base Slab - W |   | and a second sec |   |
| S98-T2-86-1020           | Base Stati - Forming & Andre Formig<br>Base Stati - Concrete & Curino                   | 10      |              |                        | -19 HK Working Day    |               |  | & Rebar Fixing, Base Slab - Formwork 8  | a second s  |   |
| \$98-12-86-3170          |   | -       | 09-Aug-15    | 13-Aug-15              | -22 Calendar Day      |               |  | icrete & Curing, Base Slab - Concrete & f   |  |   |
|                          | Roof - Scaffolding Erection for Roof  | 1       | 27-Aug-15    | 03-Sep-15              | -30 HK Working Day    |               |  | Roof - Scatfolding Erection for   |  | tion for Roof                                   |
| S9B-T2-B6-3180           | Roof - Formwork   | 9       | 04-Sep-15    | 14-Sep-15              | -30 HK Working Day    |               |  | Roof - Fornwork   |  |   |
| S98-T2-86-3190           | Roof - Réber Fixing   | 10      | 15-Sep-15    | 25-Sep-15              | -30 HK Working Day    |               |  | Ro  | - Rebar Firing, Rool - Reba  | It Fixing                                       |
| S98-T2-86-3200           | Roof - Concrete & Curing  | 14      | 26-Sep-15    | 09-Oct-15              | -35 Calendar Day      |               |  |   | Roof - Concrete  | e & Curing, Roof - Concrete &                   |
| \$98-TZ-86-3210          | Roof - Waterproofing  | 4       | 15-0¢-15     | 19-0d-15               | 65 HK Working Day     |               |  |   | Ro Ro  | of - Waterproofing                              |
| S98-T2-86-3220           | Rool - Scatfolding Dismanting   | 3       | 10-0d-15     | 13-0d-15               | -28 HK Working Day    |               |  |   | Roof - Sca   | Inding Dismanting, Roof - S                     |
| CWB Structural Wo        | 8 Tunnel Portion 4 (CH3630-CH3790)  |         |              |                        |                       |               |  |   |  |   |
| \$98-T34-2000B           | Tunnel Portion 3 & 4 Excavation to Formation Level (200,000m3 soil and rock@1100m3/d) & | 182     | 13-Feb-15 A  | 14-Nov-15              | -250 HK Working Day   |               |  |   |  |   |
| S9B-T34-3500             | Rock Excavation and Rock Bell Installation  | 21      | 10-Oct-15    | 04-Nov-15              | -174 HK Working Day   |               | -  |   |  |   |
| Section 11 of the        | e Works - Remainder of Works  |         |              |                        | and metroming out     |               |  |   | -  | Rock Excas                                      |
| Marine Works at V        | VCR3  |         |              |                        |                       | 1111111 Conte | in and the second second second          |   |  |   |
| S11-R3-1300              | 1st Stage Rockfilling after Removal of unknown metal objects                            | 40      | 14-Jul-15 A  | 20-Sep-15              | -602: Calendar Day    |               |  | 1st Stage   | Rockfilling after Removal of   | inknown metal objects. Tsi S                    |
| \$11-R3-1400             | Installation of Permanent Seawall (5 nos.)  | 14      | 21-Sep-15    | 08-0d-15               | -480 HK Working Day   |               |  |   |  | manent Seawall (5 nos.), In                     |
| \$11-R3-1500             | 2nd Stage Rockfilling after installation of Caisson Seawali                             | 40      | 09-Dct-15    | 25-Nov-15              | -480 HK Working Day   |               |  |   |  | 19-06-00  |
| \$11-R3-1600             | 1st Redamation to -7,0mPD   | 39      | 01-Aug-15    | 15-Sep-15              | 422 HK Working Day    |               |  | 1st Reclamation   | to -7.0mPD, 1st Reclamation  | to-7.0mPD                                       |
| S11-R3-1700              | Installation of Permanent Seawall Block   | 14      | 09-Oct-15    | 26-0d-15               | -424 HK Working Day   |               |  |   |  | Installation of Permane                         |
| Soft Landscapin          | g & Establishment Works   |         |              |                        |                       |               |  |   |  | -   |
|                          | Works - Establishment Works in Area 8   |         |              |                        |                       |               |  |   |  |   |
| 58D-0019                 | Carry out establishment work on new ferry pier  | 365     | 20×Juk15     | 18+Jul+16              | +526 Calendár Day     |               |  |   |  |   |
| Section 12 of the        | Works - Protection and Preservation of Existing Trees                                   |         |              |                        |                       |               |  |   |  |   |
| S12-0010                 | Protection and preservation of existing trees   | 2375    | 24-Feb-10 A  | 29-Aug-16              | 0 Calendar Day        |               |  |   | 15555 filmerikan 93000000000000000000000000000000000000  |   |
| SUMMARY PRO              | GRAMME  |         |              |                        |                       |               |  |   |  |   |
|                          | struction & Remaining Works (Section 9A, 9B, 10 & 11)                                   |         |              |                        |                       |               |  |   |  |   |
| CWB Tunnel Work          |   |         |              |                        |                       |               |  |   |  |   |
| SUM-CWB-23000            | CWB Tunnel Portion 2 Construction   | 261     | 19-Jan-15 A  | 09-Oct-15              | -35 Calendar Day      |               |  |   |  |   |
| CWB Tunnel Work          |   |         |              |                        |                       |               | 1  |   | ******************   |   |
| SUM-CWB-30000C           | Reclamation at WCR3   | 174     | 14-Jul-15 A  | 28-Jan-16              | -600 Galendar Day     |               |  |   |  |   |
| CWB Tunnel Work          | s in WCR4/TWCR4   |         |              |                        |                       |               |  |   |  |   |
| SUM-CWB-42000            | Pump Test & Excavation for Tunnel Portion 364   | 230     | 13-Feb-15 A  | 14-Nov-15              | -313 Calendar Day     |               |  |   |  |   |

| Milestone     Critical Milestones |                                 |  | Date<br>20-Jul-15 | Revision<br>3MRP | Checked | Approved |
|-----------------------------------|---------------------------------|--|-------------------|------------------|---------|----------|
| Critical Works                    | CHUN WO - CRGL<br>JOINT VENTURE | CEDD CONTRACT NO. HK/2009/02<br>WD II - Central Wanchai Bypass at Wan Chai East (Contract 2) | 1                 |                  |         |          |
|                                   |                                 | 3-MONTH ROLLING PROGRAMME (dd 20-Jul-15)   |                   |                  |         |          |

Page 2 of 2

| LCDC_  | 利 | LEADER            | 中國建築-利達聯營<br>CHINA STATE - LEADER JOINT VENTURE |
|--------|---|-------------------|---|
| HULLER | 達 | $\mathbf{\nabla}$ | CHINA STATE - LEADER JOINT VENTURE              |

### CEDD Contract No. HK/2012/08 Wan Chai Development Phase II Central - Wan Chai Bypass at Wan Chai West

| Protosiminate in |  |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
|------------------|--|---------------|-------------|--------------|--------------------------|----------------------------|------------------------------|--|--------------------------------|---------------|--|---|-----------------------------|-----------------------------|---------------------|
| vity ID          | Activity Name  | Remaining Dur | Early Start | Early Finish | June 2015<br>01 08 15 22 | July 2015<br>29 06 13 20 2 | August 2015<br>7 03 10 17 24 | September 2015           31         07         14         21         2 | October 2015<br>28 05 12 19 26 | November 2015 | December 2015         January 20           30         07         14         21         28         04         11         18 | 16         February 2016           3         25         01         08         15         22 | March 2016<br>29 07 14 21 2 | April 2016<br>8 04 11 18 25 | May 20<br>5 02 09 1 |
| HK/2012/08       | Revised Works Programme Rev.4_1(Final  | )             |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| Dredging an      | nd Reclamation   |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| Marine Worl      | k Construction   |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| Zone CRIII       |  |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| Dredging - Z     | Cone CRIII   |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| CRIII - Temp     | porary Pipe Pile Wave Wall (1st Stage)   |               |             |              |                          | -                          |                              |  |                                |               |  |   |                             |                             |                     |
| MAR12360         | CRIII - temp pipe pile wall (34-197) - install 610 dia.  | 42            | 18-Oct-14 A | 18-Aug-15    |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| CRIII - Tem      | pipe pile [Remaining 28 nos. @750c/c] porary Pipe Pile Wave Wall (2nd Stage)                                 |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
|                  |  | 0             |             | 0/ 1/15+     |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| MAR10035         | CRIII - temp pipe pile wall (1-33) - relocate interim<br>landing steps                                       | 0             |             | 06-Jul-15*   |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| MAR10040         | CRIII - temp pipe pile wall (1-33) - install 610 dia. pipe<br>pile [33nos. @750c/c]                          | 40            | 07-Jul-15   | 21-Aug-15    |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| Dredging at      | Zone CRIII   |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| 2nd Stage o      | of Work (Types 1B(4) & 2D)   |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| MAR16095         | Zone CRIII - 2nd stage - Remove existing rock armour   | 10            | 30-Aug-15   | 08-Sep-15    |                          |                            |                              | <b>—</b>   |                                |               |  |   |                             |                             |                     |
| Zone A2          | [B5-E5] after relocating interim landing steps   |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| Seawall Con      | struction - Zone A2  |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| MAR10775         | Zone A2 - seawall - Type 4, 13 - lay toe block and   | 18            | 30-Jun-15   | 17-Jul-15    |                          | -                          |                              |  |                                |               |  |   |                             |                             |                     |
| MAR10780         | leveling stone in line with backfilling in zone A2(2)<br>Zone A2 - seawall - install block seawall Type 4 to | 14            | 18-Jul-15   | 31-Jul-15    |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
|                  | -1.5mPD  |               |             |              | _                        |                            | -                            |  |                                |               |  |   |                             |                             |                     |
| MAR10800         | Zone A2 - seawall - install block seawall Type 13 to -1.5mPD   | 14            | 18-Jul-15   | 31-Jul-15    |                          |                            | -                            |  |                                |               |  |   |                             |                             |                     |
| MAR10805         | Zone A2 - seawall - install block seawall Type 4 from -1.5 to +4.0mPD  | 10            | 01-Aug-15   | 12-Aug-15    |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| MAR10807         | Zone A2 - seawall - install block seawall Type 13 from<br>-1.5 to +4.0mPD                                    | 10            | 01-Aug-15   | 12-Aug-15    |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| MAR10815         | Zone A2 - seawall - place type A behind seawall Type 4 and Type 13 up to -1.5 mPD                            | 7             | 13-Aug-15   | 20-Aug-15    |                          | -                          |                              |  |                                |               |  |   |                             |                             |                     |
| MAR10817         | Zone A2 - seawall - lay geotextile and filter behind   | 7             | 21-Aug-15   | 28-Aug-15    | _                        |                            | _                            |  |                                |               |  |   |                             |                             |                     |
| Filling - Zone   | seawall Type 4 and Type 13 up to -1.5 mPD<br>e A2  |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| MAR20365         | Zone A2(2) - Public Fill -4.0 to +4.0mPD (behind Type  | 28            | 01-Aug-15   | 28-Aug-15    |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| Zone C           | 4 & 13 for temp channel outlet)  |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| Dredging - Z     | Zone G   |               |             |              |                          | -                          |                              |  |                                |               |  |   |                             |                             |                     |
|                  |  | 20            | 20 14 15    | 24.4.45      |                          | -                          |                              | -  |                                |               |  |   |                             |                             |                     |
| MAR11520         | Zone C - Cut existing pipe pile (2 nos.)   | 30            | 28-Jul-15   | 31-Aug-15    |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| Zone D           |  |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| Seawall Con      | struction - Zone D   |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| Seawall 2C-L     | L  |               |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| MAR12264         | Zone D - Pipe Pile & demolish existing seawall   | 35            | 01-Feb-15 A | 10-Aug-15    |                          | -                          |                              | -  |                                |               |  |   |                             |                             |                     |
| MAR12265         | Zone D - complete fabrication of Caisson Seawall 2C-L  | 0             |             | 30-Jul-15*   |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| MAR12270         | and ready for delivery<br>Zone D - fill rock mound for Seawall 2C-L  | 6             | 11-Aug-15   | 16-Aug-15    |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| MAR12275         | Zone D - lay toe block and level stone for Seawall   | 8             | 17-Aug-15   | 25-Aug-15    |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
|                  | 2C-L   | 3             |             |              |                          |                            |                              |  |                                |               |  |   |                             |                             |                     |
| MAR12280         | Zone D - Install Caisson Seawall 2C-L  | 3             | 26-Aug-15   | 28-Aug-15    |                          | B .                        | · ·                          | 1  |                                | 1             |  | 1   | 1                           | 1                           |                     |

 Data Date:
 Current Milestone
 Date
 Revision

 30-Jun-15
 Critical Remaining Work
 03-Jul-15
 03-Jul-15

 Remaining Work
 Remaining Work
 01
 01

 Remaining Level of Effort
 Remaining Level of Effort
 01
 01

|       |                            | Page :                      | 1/6     |                             |
|-------|----------------------------|-----------------------------|---------|-----------------------------|
|       |                            |                             |         |                             |
| 2016  | June 2016<br>30 06 13 20 2 | July 2016<br>27 04 11 18 25 |         | ptember 2016<br>29 05 12 19 |
| 10 20 |                            |                             |         | 00 12 13                    |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
| sion  | Checked                    | Δ                           | pproved |                             |
| 5.011 | Checkeu                    | P                           | Provou  |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |
|       |                            |                             |         |                             |

| LEADER   | 中國      | 建    | 築     | - 利   | 達    | 聯    | 營   |
|----------|---------|------|-------|-------|------|------|-----|
| $\smile$ | CHINA S | TATE | - LEA | DER J | OINT | VENT | URE |

| mail and the state - Li   | - 利<br>EADER JO | 達聯<br>OINT VENTU | 營<br>JRE     |             |           |             |  | i Developm      | HK/2012/08<br>hent Phase II<br>s at Wan Chai | West          |                       |            |           | Page : 2  | /6                         |
|---|-----------------|------------------|--------------|-------------|-----------|-------------|--|-----------------|--|---------------|-----------------------|------------|-----------|-----------|----------------------------|
| ity ID Activity Name  | Remaining Dur   | Early Start      | Early Finish | June 2015   | July 2015 | August 2015 | September 2015         October 2015           24         31         07         14         21         28         05         12         19 | November 2015 D | ecember 2015 January 2016                    | February 2016 | March 2016 April 2016 | 6 May 2016 | June 2016 | July 2016 | August 2016 <sup>301</sup> |
| Seawall 2C-R  |                 |                  |              | 01 00 10 22 |           |             |  |                 |  | 0 01 00 10 22 |                       |            |           |           |                            |
| MAR12245 Zone D - fill rock mound for Seawall 2C-L                            | 6               | 28-Aug-15        | 02-Sep-15    |             |           |             | <b></b>  |                 |  |               |                       |            |           |           |                            |
| MAR12250 Zone D - complete fabrication of Caisson Seawall 2C-R                | 0               |                  | 30-Jul-15*   | _           |           | -           |  |                 |  |               |                       |            |           |           |                            |
| and ready for delivery Vorks for Section Completion                           |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| Construction  |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| Section II - MVB Structure  |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| MVB Substructure - ELS & Structural Works for Portion A                       |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| MVB Substructure - ELS for Portion A  |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
|   | 14              | 00 14 15 1       | 47 64 45     |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| SII11080 Sec II - MVB A - Install Strut L7 at -20mPD                          | 14              | 02-Jul-15*       | 17-Jul-15    |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| SII11100 Sec II - MVB A - Excavation down to -24.45mPD                        | 12              | 17-Jul-15        | 30-Jul-15    |             |           | J<br>       |  |                 |  |               |                       |            |           |           |                            |
| MVB Substructure - Structural Works for Portion A                             |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| SII11120 Sec II - MVB A - Construct B3M slab, column and wall                 | 73              | 31-Jul-15        | 27-Oct-15    |             |           | -           |  |                 |  |               |                       |            |           |           |                            |
| MVB Substructure - ELS & Structural Works for Portion B                       |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| MVB Substructure - ELS for Portion B  |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| SII11680 Sec II - MVB B: Excavation down to -18.5mPD                          | 7               | 02-Jul-15*       | 09-Jul-15    |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| SII11700 Sec II - MVB B: Install Strut L7 at -17.5mPD                         | 8               | 10-Jul-15        | 18-Jul-15    | 1           |           |             |  |                 |  |               | <u> </u>              |            |           |           |                            |
| SII11720 Sec II - MVB B: Excavation down to -22.5mPD                          | 7               | 20-Jul-15        | 27-Jul-15    | -           |           |             |  |                 |  |               |                       |            |           |           |                            |
| SII11740 Sec II - MVB B: Install Strut L8 at -21.5mPD                         | 8               | 28-Jul-15        | 05-Aug-15    |             |           | -           |  |                 |  |               |                       |            |           |           |                            |
| SII11760 Sec II - MVB B: Excavation down to -25.45mPD                         | 7               | 06-Aug-15        | 13-Aug-15    | _           |           |             |  |                 |  |               |                       |            |           |           |                            |
| MVB Substructure - Structural Works for Portion B                             |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| SII11780 Sec II - MVB B: Construct B3 slab, column and wall                   | 85              | 14-Aug-15        | 24-Nov-15    |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| MVB Substructure - Piling Works   |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| MVB C - Prebored H Piles  |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
|   |                 |                  |              |             |           | _           |  |                 |  |               |                       |            |           |           |                            |
| SII10400 Sec II - MVB C - construct prebored H-piles                          | 35              | 22-Aug-15        | 03-Oct-15    |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| Section II A - CWB Tunnel & Slip Road Structures and Facilities               |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| CWB CRIII & A1  |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| CWB CRIII & A1 - Pumping Test Preparation/ Pumping Test                       |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| CWB A1 - Pumping Testing Preparation  |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| SIIA11240 Sec II A - CWB A1 - install dewater/ recharge /<br>observation well | 17              | 11-May-15 A      | 20-Jul-15    |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| CWB CRIII & A1 - Pumping Test   |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| SIIA10780 Sec II A - CWB CRIII - pumping test (CRIII, A1)                     | 10              | 20-Jul-15        | 30-Jul-15    |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| CWB CRIII - ELS & Tunnel Structure  |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| CWB CRIII - ELS   |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| SIIA10820 Sec II A - CWB CRIII: Shoring & Excavation                          | 42              | 18-Apr-15 A      | 18-Aug-15    | <u> </u>    |           |             |  |                 |  |               |                       |            |           |           |                            |
| SIIA10960 Sec II A - CWB CRIII: Demolish Bulkhead at West End                 | 45              | 19-Aug-15        | 12-Oct-15    | -           |           |             |  |                 |  |               |                       |            |           |           |                            |
| CWB CRIII - Tunnel Structure  |                 |                  |              |             | -         |             |  |                 |  |               |                       |            |           |           |                            |
| SIIA10840 Sec II A - CWB CRIII: Base, wall, OHVD & roof (bay                  | 45              | 19-Aug-15        | 12-Oct-15    |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| 1)<br>SIIA10880 Sec II A - CWB CRIII: Base, wall, OHVD & roof (bay            | 45              | -                | 12-Oct-15    | _           |           |             |  |                 |  |               |                       |            |           |           |                            |
| 3)  | 40              | 19-Aug-15        | 12-000-15    |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| CWB A1 - ELS & Tunnel Structure   |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |
| CWB A1 - ELS Remaining  |                 |                  |              |             |           |             |  |                 |  |               |                       |            |           |           |                            |

| m d LEADER 中國建築<br>CHINA STATE - LI   | EADER J       | 達聯<br>OINT VENTI | 營<br>JRE     |                          |                            |                               | Wan Cha   | ontract No. HK/20<br>i Development P<br>Chai Bypass at W   | hase II   |  | Ραζ  | ge : 3 / 6                                     |
|---|---------------|------------------|--------------|--------------------------|----------------------------|-------------------------------|---|--|---|--|--|--|
| ity ID Activity Name  | Remaining Dur | Early Start      | Early Finish | June 2015<br>01 08 15 22 | July 2015<br>29 06 13 20 2 | August 2015<br>27 03 10 17 24 | September 2015         October 2015           4         31         07         14         21         28         05         12         19 | November 2015         December 2015           26         02         09         16         23         30         07         14         21 | 5         January 2016         February 2016           28         04         11         18         25         01         08         15         22 | March 2016         April 2016         May 2016           29         07         14         21         28         04         11         18         25         02         09         16 | June 2016         July 2016           23         30         06         13         20         27         04         11         18 | 6 August 2016 3ptemb<br>8 25 01 08 15 22 29 05 |
| SIIA11286 Sec IIA - CWB A1 : Shoring & Excavation (Remaining)   | 37            | 07-Jul-15        | 18-Aug-15    |                          |                            |                               |   |  |   |  |  |  |
| CWB A1 - Tunnel Structure Remaining   |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| SIIA13045 Sec II A - CWB A1: Pile head + trough + base & wall<br>+ OHVD unit (1st bay)                          | 45            | 19-Aug-15        | 12-Oct-15    |                          |                            | -                             |   |  |   |  |  |  |
| CWB A1 - Other Works  |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| SIIA15480 Culvert L - [Summary] Bay 9 to Bay 11 on top of CWB   | 27            | 08-Jun-15 A      | 31-Jul-15    |                          |                            | -                             |   |  |   |  |  |  |
| A1 and divert flow<br>SIIA15500 Zone A2(2) - Public Fill -4.0 to +4.0mPD (behind Type                           | 28            | 01-Aug-15        | 28-Aug-15    |                          |                            |                               | 1   |  |   |  |  |  |
| 4 & 13 for temp channel outlet) CWB A2(2)   |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| CWB A2 (2) - Dwall & Piling   |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| SIIA13500 Sec II A - CWB A2 : backfill to +4.0mPD   | 28            | 01-Aug-15        | 28-Aug-15    |                          |                            |                               | 1   |  |   |  |  |  |
| SIIA15260 Sec II A - CWB A2 : Predrilling for Dwall & piles   | 40            | 29-Aug-15        | 16-Oct-15    | -                        |                            |                               |   |  |   |  |  |  |
| SIIA15280 Sec II A - CWB A2 : Ground treatment  | 40            | 29-Aug-15        | 16-Oct-15    |                          |                            |                               |   |  |   |  |  |  |
| CWB B (& A2(1))   |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| CWB B (Q A2(1))<br>CWB B - Dwall & Piling   |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| SIIA11540 Sec II A - CWB B (&A2(1)) : Construct pre-bored   | 77            | 20 Apr 15 A      | 21 64 15     |                          |                            |                               |   |  |   |  |  |  |
| H-pile  | 27            | 30-Apr-15 A      | 31-Jul-15    |                          |                            |                               |   |  |   |  |  |  |
| SIIA11560 Sec II A - CWB B: Ground treatment to Stop End (MTR<br>CWL)   | 53            | 15-Jun-15 A      | 31-Aug-15    |                          |                            |                               |   |  |   |  |  |  |
| SIIA11565 Sec II A - CWB B: Sheetpile Bulkhead Wall for "Delink"  | 21            | 07-Aug-15        | 31-Aug-15    |                          |                            |                               |   |  |   |  |  |  |
| CWB B - Pumping Test Preparation  |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| SIIA11580 Sec II A - CWB B: Dwall sonic test / interface core   | 47            | 13-Jun-15 A      | 24-Aug-15    |                          |                            |                               |   |  |   |  |  |  |
| SIIA11600 Sec II A - CWB B: Dwall precaution grout / fissure<br>grout / grout curtain                           | 47            | 13-Jun-15 A      | 24-Aug-15    |                          |                            |                               |   |  |   |  |  |  |
| SIIA11620 Sec II A - CWB B: Install dewatering/ recharging/<br>observation well                                 | 40            | 14-Jul-15        | 28-Aug-15    |                          |                            |                               | 1   |  |   |  |  |  |
| CWB C (W)   |               |                  |              |                          |                            |                               |   |  |   | -  |  |  |
| CWB C(W) - Dwall Construction   |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| SIIA11960 Sec II A - CWB CW: Ground treatment to Stop End<br>(MTR TWL)  | 53            | 16-Jun-15 A      | 31-Aug-15    |                          |                            |                               |   |  |   |  |  |  |
| SIIA11980 Sec II A - CWB CW: D-wall contact grout / fissure   | 40            | 14-Jul-15*       | 28-Aug-15    |                          |                            |                               | 1   |  |   |  |  |  |
| grout<br>SIIA12000 Sec II A - CWB CW: Dwall sonic test / interface core   | 40            | 14-Jul-15        | 28-Aug-15    |                          |                            |                               | 1   |  |   |  |  |  |
| CWB C(W) - Pumping Test Preparation/ Pumping Test   |               |                  |              |                          | -                          |                               |   |  |   |  |  |  |
| SIIA12020 Sec II A - CWB CW: Install dewatering/ recharging/  | 40            | 14-Jul-15        | 28-Aug-15    |                          |                            |                               | 1   |  |   |  |  |  |
| observation wells CWB C (E)   |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| CWB C(E) & Enabling Work - Dwall Construction   |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| CWB C(E) - Dwall Construction   |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| SIIA12980 Sec II A - CWB CE: ground pre-treatment   | 26            | 30-Mar-15 A      | 30-Jul-15    |                          |                            | 1                             |   |  |   |  |  |  |
| SIIA13000 Sec II A - CWB CE: construct Guide Wall   | 20            | 01-Apr-15 A      | 23-Jul-15    |                          |                            |                               |   |  |   |  |  |  |
| SIIA13000 Sec II A - CWB CE: construct Guide Wall<br>SIIA13010 Sec II A - CWB CE: construct barrette (1.2m thk) | 93            |                  | 19-Oct-15    |                          |                            |                               |   |  |   |  |  |  |
|   |               | 07-Apr-15 A      |              |                          |                            |                               |   | _  |   |  |  |  |
| SIIA13020 Sec II A - CWB CE: construct Dwall (1.5m thk) (on rock)   | 103           | 29-Apr-15 A      | 31-Oct-15    |                          | _                          |                               |   |  |   |  |  |  |
| SIIA13030 Sec II A - CWB CE: construct temp Dwall (1.2m)  | 80            | 28-Jul-15        | 31-Oct-15    |                          | L                          |                               |   |  |   |  |  |  |
| SCL Enabling Work - Dwall Construction  |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| SIIA15520 Sec II - SCL Enabling Works - construct Dwall -<br>Remaining [7 panels]                               | 103           | 18-Feb-15 A      | 31-Oct-15    |                          |                            |                               |   |  |   |  |  |  |
| CWB C(E) - Pumping Test Preparation/ Pumping Test   |               |                  |              |                          |                            |                               |   |  |   |  |  |  |
| SIIA13085 Sec II A - CWB CE: Cut existing pipe piles (2 nos.)   | 30            | 28-Jul-15        | 31-Aug-15    |                          | C                          |                               | <b>=</b>  |  |   |  |  |  |
| CWB D - Slip Road 1   |               |                  |              |                          |                            |                               |   |  |   |  |  |  |

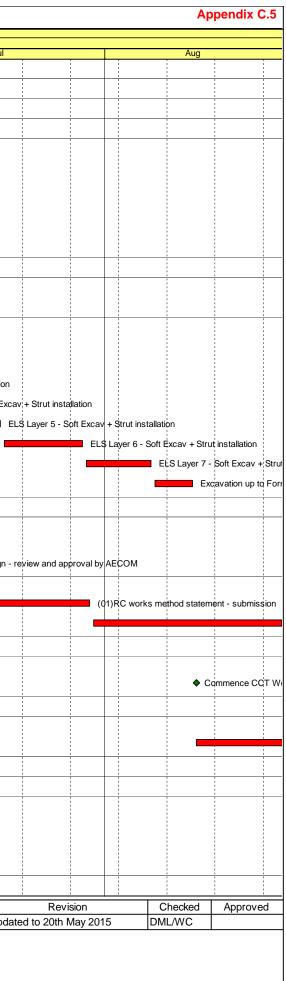
| eSCEe           | teader 中國建築<br>CHINA STATE - LI   |               |             |              |           |           |             |                     | D Contract<br>Chai Deve<br>an Chai By | lopment P         | hase II        | West          |  |               |           | Page : 4  | 1/6         |  |
|-----------------|---|---------------|-------------|--------------|-----------|-----------|-------------|---------------------|---------------------------------------|-------------------|----------------|---------------|--|---------------|-----------|-----------|-------------|--|
| ity ID          | Activity Name   | Remaining Dur | Early Start | Early Finish | June 2015 | July 2015 | August 2015 | September 2015 Octo | ber 2015 November                     | 2015 December 201 | 5 January 2016 | February 2016 | March 2016 April 2<br>29 07 14 21 28 04 11 | 2016 May 2016 | June 2016 | July 2016 | August 2016 |  |
| CWB D - Slip    | Road 1 - Dwall Construction & Piling  |               |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIIA12260       | Sec II A - CWB SR1: ground pre-treatment  | 27            | 17-Jan-15 A | 31-Jul-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIIA12280       | Sec II A - CWB SR1: Guide Wall  | 30            | 10-Feb-15 A | 08-Aug-15    | _         |           | -           |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIIA12305       | Sec II A - CWB SR1: construct Permanent DWall (1.2m   | 58            | 07-Apr-15 A | 05-Sep-15    |           |           |             | <b>—</b>            |                                       |                   |                |               |  |               |           |           |             |  |
| SIIA12310       | thk)<br>Sec II A - CWB SR1: construct pre-bored H-pile  | 42            | 19-Aug-15   | 08-Oct-15    | -         |           | _           |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIIA12320       | Sec II A - CWB SR1: Temp. Cut-off Wall at Both Ends   | 45            | 15-Aug-15   | 08-Oct-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIIA12340       | Sec II A - CWB SR1: Ground treatment to Stop End  | 32            | 29-Aug-15   | 07-Oct-15    | _         |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
|                 | (MTR CWL)<br>Road 1 - Pumping Test Preparation/ Pumping Test  | 52            | 27 // 10    | 07 000 10    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
|                 |   | 20            | 17 Aug 15   | 20.0 15      |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIIA12360       | Sec II A - CWB SR1: Grout curtain / contact grout for<br>Dwall  | 38            | 17-Aug-15   | 30-Sep-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIIA12380       | Sec II A - CWB SR1: Dwall sonic test / interface core   | 38            | 17-Aug-15   | 30-Sep-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIIA12400       | Sec II A - CWB SR1: Install dewatering/ recharging/<br>observation wells                                      | 38            | 24-Aug-15   | 08-Oct-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| Section III - R | coad D11 & Part of Road P2, Area 4, Implement 1st   | Stage ITA     |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| Roadwork &      | Utilities   |               |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| General         |   |               |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIII10040       | Sec III - roadwork & utilities - storm water drain &  | 121           | 01-May-15 A | 21-Nov-15    |           |           |             |                     |                                       | 1                 |                |               |  |               |           |           |             |  |
| SIII10060       | subsoil drain<br>Sec III - roadwork & utilities - Watermain & Irrigation                                      | 100           | 07-Jul-15*  | 03-Nov-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIII10080       | Mains<br>Sec III - roadwork & utilities - gas main and valve  | 100           | 17-Jul-15   | 13-Nov-15    | _         |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIII10100       | chamber<br>Sec III - roadwork & utilities - HEC cable duct and  | 100           | 27-Jul-15   | 23-Nov-15    | _         | [         |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIII10100       | catchpit<br>Sec III - roadwork & utilities - sub-base   | 100           |             | 03-Dec-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
|                 |   |               | 06-Aug-15   |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIII10140       | Sec III - roadwork & utilities - Road kerb  | 100           | 15-Aug-15   | 12-Dec-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIII10160       | Sec III - roadwork & utilities - flexible pavement  | 100           | 26-Aug-15   | 23-Dec-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| SIII10180       | Sec III - roadwork & utilities - Road Lighting, TCSS<br>Ducts &Traffic Signs                                  | 100           | 26-Aug-15   | 23-Dec-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| Section VI A -  | Box Culvert La, L1 & FRP-L Construction   |               |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| Sec VI C - Bo   | x Culvert La bay 4 (North)  |               |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| CUL11652        | Sec VI C - Culvert L - bay 4 (north half) - excavate to formation level                                       | 18            | 25-Jul-15   | 14-Aug-15    |           |           | -           |                     |                                       |                   |                |               |  |               |           |           |             |  |
| CUL11655        | Sec VI C - Culvert L - bay 4 (north half) - place   | 10            | 15-Aug-15   | 26-Aug-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| Box Culvert L   | granular fill and lay geotextile filter<br>1 & FRP-L Construction (Bay 5 - Bay 7)                             |               |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| Box Culvert L   | 1 & FRP-L - Bay 5 to 7 Structure  |               |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
|                 | 1 & FRP-L - Precast Unit Fabrication (Pile Cap)   |               |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| CUL10866        | Sec VI C - Culvert L - bay 5-7 - PC1 to PC6 Construct   | 13            | 02-Jun-15 A | 15-Jul-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
|                 | precast Pile Cap<br>1 & FRP-L - Precast Unit Fabrication (Box Structure)                                      |               |             | 10 501 10    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
|                 |   | 47            | 10 4 15 4   | 20 14 15     |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| CUL10870        | Sec VI C - Culvert L - bay 5, 6 & 7 - Construct precast<br>culvert units with Bulkhead                        | 17            | 18-Apr-15 A | 20-Jul-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| CUL10872        | Sec VI C - Culvert L - bay 4b - Construct precast<br>culvert units with Bulkhead                              | 16            | 16-Jul-15   | 03-Aug-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| CUL10873        | Sec VI C - Culvert L - bay 4b, 5-7 - dismantle<br>formwork and curing for precast culvert units               | 8             | 04-Aug-15   | 12-Aug-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| Box Culvert L   | 1 & FRP-L - Precast Unit Installation   |               |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| CUL10864        | Sec VI C - Culvert L - bay 5-7 - Demolition of Piling<br>Platform   | 9             | 30-May-15 A | 10-Jul-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| CUL10865        | Sec VI C - Culvert L - bay 5-7 - Install precast pile   | 12            | 11-Jul-15   | 24-Jul-15    | _         |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| CUL10874        | caps PC1 to PC6<br>Sec VI C - Culvert L - bay 5-7 - Demolition of Temp  | 16            | 25-Jul-15   | 12-Aug-15    |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
| CUL10875        | Platform & Cofferdam ready for towing precast culvert<br>Sec VI C - Culvert L - bay 5-7 ( & Bay 4b) - install | 16            | 13-Aug-15   | 31-Aug-15    | _         |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
|                 | precast culvert units & Touch Up 1 & FRP-L - Bay 8  |               |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |
|                 |   |               |             |              |           |           |             |                     |                                       |                   |                |               |  |               |           |           |             |  |

| LEADER   | 中    | 或     | 建   | 築     | - 利   | 達    | 聯    | - |
|----------|------|-------|-----|-------|-------|------|------|---|
| $\smile$ | CHIN | VA ST | ATE | - LEA | DER J | OINT | VENT | 1 |

| に<br>までの<br>E CHINA STATE - LE   |               |             |              |                          |           |             |  | Contract N<br>hai Develoj<br>Chai Bypa   | oment Ph                       | nase II  |   |                              |          |                             | Page : 5 / 6   |                         |
|--|---------------|-------------|--------------|--------------------------|-----------|-------------|--|--|--------------------------------|--|---|------------------------------|----------|-----------------------------|--|-------------------------|
| D Activity Name  | Remaining Dur | Early Start | Early Finish | June 2015<br>01 08 15 22 | July 2015 | August 2015 | September 2015         October 2           24         31         07         14         21         28         05         12 | 2015         November 2015           19         26         02         09         16         23 | December 2015<br>30 07 14 21 2 | January 2016         Februar           8         04         11         18         25         01         08 | ry 2016 March 2016<br>15 22 29 07 14 21 | April 2016<br>28 04 11 18 25 | May 2016 | June 2016<br>30 06 13 20 27 | July 2016         August           04         11         18         25         01         08 | t 2016 <sup>3pter</sup> |
| Box Culvert L1 & FRP-L - Bay 8 Temp Work & ELS   |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| CUL10200 Culvert L - bay 8 - ELS and bulk excavation & Dwall   | 17            | 15-Jun-15 A | 20-Jul-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Break Through ready for Flow Diversion ox Culvert L1 & FRP-L - Bay 9 to 11   |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Box Culvert L1 & FRP-L - Bay 9 to 11 General   |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| -  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| CUL11695 Culvert L - [Summary of Cul L bay 9 to 11] - construct<br>in-situ box culverts                              | 17            | 08-Jun-15 A | 20-Jul-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Box Culvert L1 & FRP-L - Bay 9   |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| CUL11740 Culvert L - bay 9 - construct Wall & Roof   | 14            | 18-Jun-15 A | 16-Jul-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Box Culvert L1 & FRP-L - Bay 10  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| CUL11860 Culvert L - bay 10 - construct Wall & Roof  | 17            | 30-Jun-15   | 20-Jul-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Box Culvert L1 & FRP-L - Bay 11  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| -  |               |             |              | <u>-</u> -               |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| CUL11920 Culvert L - bay 11 - construct top slab   | 12            | 22-Jun-15 A | 14-Jul-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Box Culvert L1 & FRP-L - Bay 9-11 Others   |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| CUL11930 Culvert L - bay 9-11 - Upstand Wall   | 18            | 20-Jun-15 A | 27-Jul-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| CUL11940 Culvert L - bay 9-11 - divert flow to Culvert L   | 0             |             | 31-Jul-15    |                          |           | •           |  |  |                                |  |   |                              |          |                             |  |                         |
| permanent structures (bay 9 to bay 11)<br>CUL12020 Culvert L - bay 9-11 - backfill from top slab to final            | 60            | 28-Jul-15   | 07-Oct-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| formation level<br>ox Culvert L1 & FRP-L - Bay 12 to 13  |               |             |              |                          | -         |             |  |  |                                |  |   |                              |          |                             |  |                         |
|  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Box Culvert L1 & FRP-L - Bay 12 to 13 Piling   |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| CUL12354 Culvert L - bay 12 - construct pre-bored H-pile (PC9)   | 12            | 27-Jun-15 A | 14-Jul-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Box Culvert L1 & FRP-L - Bay 12 to 13 Temp Work & ELS  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| CUL12385 Culvert L - bay 12 - ELS and bulk excavation & Dwall  | 23            | 03-Jun-15 A | 27-Jul-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Break Through Ready for Diversion           CUL12405         Culvert L - bay 12 & 13 - extract sheet piles ready for | 5             | 27-Jul-15   | 31-Jul-15    |                          | •         | •           |  |  |                                |  |   |                              |          |                             |  |                         |
| flow diversion (from Bay 4 to Bay 11)<br>ection VI C - Area 3, 6, 8A & 8C  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Area 8A & 8C - Seawall Modification  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
|  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Modification of Seawall  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
|  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| PRS10043 Sec VIC - Pipe Pile P32 to P62  | 35            | 30-May-15 A | 10-Aug-15    |                          | -         |             |  |  |                                |  |   |                              |          |                             |  |                         |
| PRS10044 Sec VIC - P33, P33A, P34, P34A, P35, P35A   | 24            | 11-Aug-15   | 07-Sep-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Modification of Seawall - Zone 4   |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| PRS10160 Sec VIC - Working Platform (Zone 4)   | 8             | 11-Aug-15   | 19-Aug-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| •  | 10            |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| PRS10180 Sec VIC - Pipe Pile P63 to P68 & P64A (Zone 4)  | 18            | 20-Aug-15   | 09-Sep-15    |                          | _         |             |  |  |                                |  |   |                              |          |                             |  |                         |
| Area 6 - Box Culvert bay 5-6   |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| SVIC10000 Sec VI C - [Summary] Construct Box Culvert Bay 5-6   | 53            | 18-Apr-15 A | 31-Aug-15    |                          |           |             | -  |  |                                |  |   |                              |          |                             |  |                         |
| Area 3 - Box Culvert bay 4 and Roadwork  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| SVIC10220 Sec VI C - [Summary] Construct Box Culvert Bay 4 in  | 53            | 01-Jan-15 A | 31-Aug-15    |                          |           |             | -  |  |                                |  |   |                              |          |                             |  |                         |
| Area 3<br>ection VI D - Area 8B & 10   |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| VDII Box 1 Construction  |               |             |              |                          | -         |             |  |  |                                |  |   |                              |          |                             |  |                         |
|  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| WDII Box 1 Submission and Approval / Material Procurement  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| PCU60410 Sec VI D - WD II Box 1 - Prepare Subcontract for Box<br>1 structure   | 60            | 08-Aug-15   | 06-Oct-15    |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| ection VII - Remainder Works   |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |
| anding Steps Construction  |               |             |              |                          |           |             |  |  |                                |  |   |                              |          |                             |  |                         |

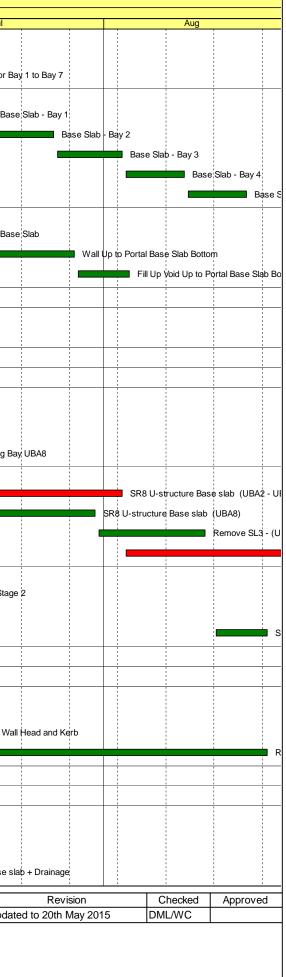
| eSGEe          | LEADER 中國建築<br>CHINA STATE - L   |                |             |              | CEDD Contract No. HK/2012/08<br>Wan Chai Development Phase II<br>Central - Wan Chai Bypass at Wan Chai West |                |             |                |                |                   |                | Page : 6 / 6 |               |               |              |               |               |               |  |
|----------------|--|----------------|-------------|--------------|---|----------------|-------------|----------------|----------------|-------------------|----------------|--------------|---------------|---------------|--------------|---------------|---------------|---------------|--|
| Activity ID    | Activity Name  | Remaining Dur  | Early Start | Early Finish | June 2015   | July 2015      | August 2015 | September 2015 | October 2015   | November 2015     | December 2015  | January 2016 | February 2016 | March 2016    | April 2016   | May 2016      | June 2016     | July 2016     | August 2016         Pptember 201           01         08         15         22         29         05         12         15 |
| SVII11180      | Sec VII - Landing Steps - form temporary access from<br>landing steps to Fleet Acade | 5              | 10-Jun-15 A | 06-Jul-15    |   | 29 06 13 20 27 | 03 10 17 24 | 31 07 14 21    | 28 05 12 19 26 | 02   09   16   23 | 30 07 14 21 28 | 04 11 18 25  | 01 08 15 22   | 29 07 14 21 2 | 0 04 11 18 2 | 5 02 09 16 23 | 30 06 13 20 2 | 7 04 11 18 25 | 01 08 15 22 29 05 12 1   |
| Demolition o   | f Interim Landing Steps and Construct Permanent Se                                   | eawall at CRII | I           |              |   |                |             |                |                |                   |                |              |               |               |              |               |               |               |  |
| SVII10160      | Sec VII - remove interim landing steps - install silt curtain                        | 3              | 19-Aug-15   | 21-Aug-15    |   |                |             |                |                |                   |                |              |               |               |              |               |               |               |  |
| SVII10180      | Sec VII - remove interim landing steps - break and<br>remove seawall coping          | 3              | 22-Aug-15   | 25-Aug-15    |   |                |             |                |                |                   |                |              |               |               |              |               |               |               |  |
| SVII10200      | Sec VII - remove interim landing steps - open cut<br>behind interim landing steps    | 3              | 26-Aug-15   | 28-Aug-15    |   |                |             |                |                |                   |                |              |               |               |              |               |               |               |  |
| SVII10220      | Sec VII - remove interim landing steps - protect open cut slope                      | 2              | 29-Aug-15   | 31-Aug-15    |   |                |             |                |                |                   |                |              |               |               |              |               |               |               |  |
| Section X - Pr | otection & Preservation of Trees   |                |             |              |   |                |             |                |                |                   |                |              |               |               |              |               |               |               |  |
| Soft Landsca   | ping Works   |                |             |              |   |                |             |                |                |                   |                |              |               |               |              |               |               |               |  |
| SX10020        | Sec X - Protection & Preservation of Trees   | 753            | 31-Jan-13 A | 21-Jul-17    |   |                |             |                |                |                   |                |              |               |               |              |               |               |               |  |

|                   | J26   |                         |             | SR          | 8 - Layout for 3MRP | _2105_05  |                                   |                        |       |
|-------------------|---|-------------------------|-------------|-------------|---------------------|---|-----------------------------------|------------------------|-------|
| ty ID             | Activity Name   | Original                | Start       | Finish      |                     |   |                                   | 015                    |       |
|                   |   | Duration                |             |             | May                 |   | Jun                               |                        | J     |
|                   | Jpdate Progress As of 20 May 15   |                         |             |             |                     |   |                                   |                        |       |
| Norks in TS3      |   |                         |             |             |                     |   |                                   |                        |       |
| Works in TS3-Eas  |   |                         |             |             |                     |   |                                   |                        |       |
| Diaphragm Wall    |   |                         |             |             |                     |   |                                   |                        |       |
| TS3-East Post D/  | /wall Works   |                         |             |             |                     |   |                                   |                        |       |
| TS3E_4100         | D/wall Interface coring + grouting  | 60                      | 20-Feb-15 A | 29-May-15   |                     | D/wall Interface coring -                             | + grouting                        |                        |       |
| TS3E_4110         | D/wall coring + fissure grouting  | 60                      | 30-Mar-15 A | 24-May-15   |                     | D/wall coring + fissure grouting                      |                                   |                        |       |
| TS3E_4120         | D/wall integrity test   | 60                      | 30-Mar-15 A | 20-May-15 A |                     | D/wall integrity test                                 |                                   |                        |       |
| TS3E_4130         | Dewatering & observation well installation                                      | 36                      | 07-Apr-15 A | 20-May-15 A |                     | Dewatering & observation well installation            | ١                                 |                        |       |
| TS3E_4140         | Pumping test  | 7                       | 07-May-15 A | 20-May-15 A |                     | Pumping test  |                                   |                        |       |
| ELS               |   |                         |             |             |                     |   |                                   |                        |       |
| ELS Fabrication \ | Works   |                         |             |             |                     |   |                                   |                        | -     |
| TS3E_5510         | ELS struts & waling fabrication   | 72                      | 12-Mar-15 A | 23-May-15   |                     | ELS struts & waling fabrication                       |                                   |                        |       |
| TS3-East ELS Wo   | orks  |                         |             |             |                     |   |                                   |                        |       |
| TS3E_5520         | ELS Layer 1 - Soft Excav + Strut installation                                   | 12                      | 02-May-15 A | 29-May-15   |                     | ELS Layer 1 - Soft Exca                               | av + Strut installation           |                        |       |
|                   | ELS Layer 2 - Soft Excav + Strut installation                                   | 12                      | 30-May-15   | 10-Jun-15   |                     |   | LS Layer 2 - Soft Excav + Strut i | installation           |       |
| TS3E_5560         | ELS Layer 3 - Soft Excav + Strut installation                                   | 12                      | 11-Jun-15   | 22-Jun-15   |                     |   |                                   | 3 - Soft Excav + Strut | insta |
| TS3E_5580         | ELS Layer 4 - Soft Excav + Strut installation                                   | 12                      | 23-Jun-15   | 04-Jul-15   |                     |   |                                   | ELS Layer 4            |       |
|                   |   |                         |             |             |                     |   |                                   |                        | +     |
| TS3E_5600         | ELS Layer 5 - Soft Excav + Strut installation                                   | 12                      | 05-Jul-15   | 16-Jul-15   |                     |   |                                   |                        |       |
| TS3E_5620         | ELS Layer 6 - Soft Excav + Strut installation                                   | 12                      | 17-Jul-15   | 28-Jul-15   |                     |   |                                   |                        |       |
| TS3E_5660         | ELS Layer 7 - Soft Excav + Strut installation                                   | 10                      | 29-Jul-15   | 07-Aug-15   |                     |   |                                   |                        |       |
| TS3E_5670         | Excavation up to Formation Level (No Rock as Rock Head Level is far below F.L.) | 6                       | 08-Aug-15   | 13-Aug-15   |                     |   |                                   |                        |       |
| Cut & Cover Tuni  |   |                         |             |             |                     |   |                                   |                        |       |
| Temporary Works   | s Design  |                         |             |             |                     |   |                                   |                        |       |
| TS3E_2080         | (01) RC Temp Work Design - submission   | 24                      | 20-May-15 A | 01-Jun-15   |                     | (01) RC Temp Wo                                       | ork Design - submission           |                        |       |
| TS3E_2085         | (01) RC Temp Work Design - review and approval by AECOM                         | 24                      | 02-Jun-15   | 30-Jun-15   |                     |   |                                   | (01) RC Temp Wor       | rk D  |
| Method Statemer   | nt  |                         |             |             |                     |   |                                   |                        |       |
| TS3E_2090         | (01)RC works method statement - submission                                      | 24                      | 02-Jul-15   | 29-Jul-15   |                     |   |                                   |                        | ÷     |
| TS3E_2095         | (01)RC works method statement - review and approval by AECOM                    | 24                      | 30-Jul-15   | 26-Aug-15   |                     |   |                                   |                        |       |
| TS3-East CCT - C  | Ch.4500.000 to Ch.4582.140  |                         |             |             |                     |   |                                   |                        | +     |
| TS3 East CCT -    | Blinding + Waterproofing  |                         |             |             |                     |   |                                   |                        | -     |
| TS3E_6505         | Commence CCT Works  | 0                       | 14-Aug-15   |             |                     |   |                                   |                        |       |
| Removal of Recla  | lamation  |                         |             |             |                     |   |                                   |                        |       |
| Method Statemer   |   |                         |             |             |                     |   |                                   |                        |       |
| TS3E_2100         | (01) Removal of reclamation method statement - submission                       | 24                      | 14-Aug-15   | 10-Sep-15   |                     |   |                                   |                        |       |
| Norks in TS3-Wes  |   |                         |             | ·           |                     |   |                                   |                        | -     |
| Diaphragm Wall    |   |                         |             |             |                     |   |                                   |                        |       |
| TS3-West Pre-D/v  |   |                         |             |             |                     |   |                                   |                        |       |
| TS3W_2540         | Guidewall construction  | 106                     | 11-Feb-15 A | 15-Jun-15   |                     |   | Guidewall construction            |                        |       |
| TS3W_2540         |   | 137                     | 12-Feb-15 A | 16-Jun-15   |                     |   | Curtain grout/soil pre-tr         | atment/clurry well     |       |
|                   | Curtain grout/soil pre-treatment/slurry wall                                    |                         |             |             |                     |   | e-drilling / Ground Investigation |                        |       |
| TS3W_2520A        | Pre-drilling / Ground Investigation (SI) - Phase 2                              | 107                     | 09-Apr-15 A | 10-Jun-15   |                     | Pr  | e-utiling / Ground investigation  | (ioi) - riase 2        |       |
| rS3-West Diaphra  | ragm Construction   |                         |             |             |                     |   |                                   |                        |       |
|                   | Actual W  | /ork                    |             | Page 1 of 5 |                     |   |                                   | Date                   |       |
|                   |   |                         |             | 1           |                     |   |                                   | 20-May-15              |       |
|                   | Remainir  | ng Work                 |             |             |                     |   |                                   | -                      |       |
|                   |   | ng Work<br>temaining Wo | ork         | Contrac     |                     | 08: Central - Wanchai By<br>on) - 3 Months Rolling Pr |                                   | -                      | _     |

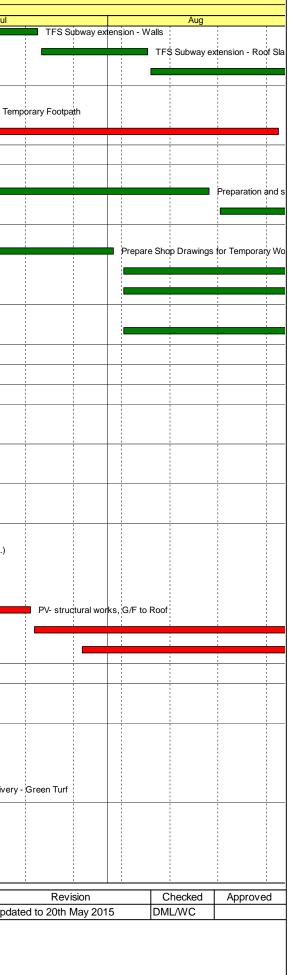


| C                 | Activity Name   |                                       | Start       | rt Finish   | 2015   |         |              |                   |   |                |                 |                                  |                      |            |
|-------------------|---|---------------------------------------|-------------|-------------|--------|---------|--------------|-------------------|---|----------------|-----------------|----------------------------------|----------------------|------------|
| T00144 0440       |   | Duration                              | 05 M 45 A   | 00.0 15     |        | May     |              |                   | Jun   | 2013           |                 | Jul                              | Aug                  |            |
| TS3W_3110         | Diaphragm wall construction Phase 1 (53/137 panels-Include SR8)         |                                       | 25-Mar-15 A | 20-Sep-15   |        |         |              |                   |   |                |                 |                                  |                      |            |
| TS3W_3120         | Diaphragm wall construction Phase 2 (84/137 panels)                     | 152                                   | 03-Jun-15   | 01-Nov-15   |        | >       |              |                   |   |                |                 |                                  |                      |            |
| LS & Rock Exca    |   |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| LS Fabrication V  | Norks   |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| TS3W_2110         | Review and approval by AECOM  | 24                                    | 20-May-15   | 17-Jun-15   |        |         |              |                   | Review and app  | roval by AE    | СОМ             |                                  |                      |            |
| TS3W_4510         | ELS struts & waling fabrication   | 75                                    | 04-Jul-15   | 30-Sep-15   |        |         |              |                   |   |                |                 |                                  |                      |            |
| Method Statemen   | it  |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| TS3W_2115         | (01) ELS works method statement - submission                            | 24                                    | 06-Feb-15 A | 03-Jul-15   |        |         |              |                   |   |                | (01) ELS worl   | ks method statement - submission |                      |            |
| TS3W_2120         | (01)ELS works method statement - review and approval by AECOM           | 24                                    | 04-Jul-15   | 31-Jul-15   |        |         |              |                   |   |                |                 | (01)                             | ELS works method st  | tatement - |
| S3-West ELS Wo    | orks  | · · · · · · · · · · · · · · · · · · · |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| TS3W_4515         | King Post installation  | 45                                    | 18-Mar-15 A | 17-Oct-15   |        |         |              |                   |   |                |                 |                                  |                      |            |
| orks in SR8 (0    | Open Cut Method)  |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| 8 - Cofferdam 8   | & Cut & Cover Tunnel Works  |                                       |             | <u></u>     |        |         |              |                   |   |                |                 |                                  |                      |            |
| R8 East Bound -   | - (Seaside to Victoria Road / IEC Central Divider)                      |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| ethod Statemen    | it  |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| ELS               |   |                                       |             |             |        |         |              |                   | I         I         I           I         I         I           I         I         I           I         I         I           I         I         I           I         I         I |                |                 |                                  |                      |            |
| SR8_2260          | ELS Method statement - submission                                       | 24                                    | 29-May-15   | 26-Jun-15   |        |         |              |                   |   | ELS Method     | d statement - s | ubmission                        |                      |            |
| SR8_2270          | ELS Method statement - review and approval by AECOM                     | 24                                    | 27-Jun-15   | 25-Jul-15   |        |         |              |                   |   |                | 1               | ELS Method st                    | atement - review and | approva    |
| CT Structure      |   |                                       |             |             |        |         | _            |                   |   |                |                 |                                  |                      |            |
| SR8_2280          | CCT Structure Method statement - submission                             | 24                                    | 27-Jul-15   | 22-Aug-15   |        |         |              |                   |   |                |                 |                                  |                      |            |
| TA Stage 2 - East |   |                                       | 27 001 10   | 22 Aug 15   |        |         | _            |                   |   |                |                 |                                  |                      |            |
|                   |   |                                       |             |             |        |         | _            |                   |   |                |                 |                                  |                      |            |
|                   | bund (Ref. DRG. No.CDD/SR8/084)   | 01                                    | 05 4 45 4   | 00 1        |        |         |              |                   |   |                |                 |                                  |                      |            |
| SR8.EB.1440       | Carry out Stage 3 - Sheet Pile Work                                     |                                       | 25-Apr-15 A | 06-Jun-15   |        |         |              |                   | Carry out Stage 3 - Sheet Pile Work   |                |                 |                                  |                      |            |
| SR8.EB.1420       | Demolish Part of EB Existing Abutment M and Part of the Central Divider |                                       | 19-May-15 A | 22-May-15 A |        |         | Demolish P   | art of EB Existin | ng Abutment M and Part of the Centra  | Divider        |                 |                                  |                      | _          |
| SR8.EB.1450       | Carry out Stage 3 - Pipe Piling Work                                    |                                       | 05-Jun-15   | 15-Aug-15   |        |         |              |                   |   |                |                 |                                  |                      | Carry o    |
| SR8.EB.1460       | Carry out Stage 3 - TAM Grout   | 12                                    | 17-Aug-15   | 29-Aug-15   |        |         |              |                   |   |                |                 |                                  |                      |            |
|                   | bund (Ref. DRG. No.CDD/SR8/084)   |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| SR8.EB.1470       | Commence Stage 4 (After Completion of reclamation works)                | 0                                     | 08-Jun-15   |             |        |         |              |                   | <ul> <li>Commence Stage 4 (After Comp</li> </ul>  | pletion of rec | 1               |                                  |                      |            |
| SR8.EB.1480       | Carry out Stage 4 Sheet Piling Works                                    | 24                                    | 08-Jun-15   | 07-Jul-15   |        |         |              |                   |   |                | Carry           | ut Stage 4 Sheet Piling Works    |                      |            |
| SR8.EB.1490       | Carry out Stage 4 Pipe Piling Works                                     | 36                                    | 08-Jul-15   | 18-Aug-15   |        |         |              |                   |   |                |                 |                                  |                      | Ca         |
| SR8.EB.1500       | Carry out Stage 4 Tam Grout   | 14                                    | 19-Aug-15   | 03-Sep-15   |        |         |              |                   |   |                |                 |                                  |                      |            |
| 8 West Bound      | - Ch. 459.000 to 385.000 (Victoria Road / IEC Central Divider)          |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| TA Stage 2 - Wes  | st Bound  |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| itage 3 - West Bo | ound (Ref. DRG. No.CDD/SR8/087)   |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| SR8.WB.3040       | Carry out Stage 3 Pipe Piling Works                                     | 45                                    | 20-Mar-15 A | 20-Jun-15 A |        |         |              |                   | Carry out S   | age 3 Pipe     | Piling Works    |                                  |                      |            |
| SR8.WB.3050       | Carry out Stage 3 TAM Grout   | 26                                    | 20-May-15   | 19-Jun-15   |        |         |              |                   | Carry out St  | age 3 TAM (    | Grout           |                                  |                      |            |
| SR8.WB.3060       | Install Dewatering Wells & Carry out Pump Test                          | 20                                    | 22-Jun-15   | 15-Jul-15   |        |         |              |                   |   |                |                 | Install Dewatering Wells & Carry | out Pump Test        |            |
| 8 Ch.385.000 t    | to Ch.317.500 - (Inside Victoria Park to Tunnel Portal)                 |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| R8 Tunnel - ELS   | / CCT / BF Works ( 7 Bays Ch. 385.000 to Ch.317.500)                    |                                       |             |             |        |         |              |                   |   |                | <br> <br> <br>  |                                  |                      |            |
| LS                |   |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
| SR8.VP.5070A      | ELS Layer 3 - Soft Excavation + Strut Installation                      | 8                                     | 11-Feb-15 A | 29-May-15   |        |         |              | ELS Layer 3       | - Soft Excavation + Strut Installation  |                |                 |                                  |                      |            |
| SR8.VP.5080       | Soft Excavation down to Formation Level                                 |                                       | 30-May-15   | 17-Jun-15   | _      |         |              |                   | Soft Excavation   | down to Fo     | mation Level    |                                  |                      |            |
| Portal Structure  |   |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
|                   |   |                                       |             |             |        |         |              |                   |   |                |                 |                                  |                      |            |
|                   | Actu  | ial Work                              |             | Page 2 of   | 5      |         |              |                   |   | -              | Date            | Revision                         | Checked              | Арр        |
|                   | Ren   | naining Work                          |             |             |        |         |              |                   |   | -              | 20-May-15       | Updated to 20th May 2015         | DML/WC               |            |
|                   |   | cal Remaining Wor                     | .k          | Contra      | ct No. | HY/2010 | 0/08: Centra | I - Wancl         | nai Bypass Tunnel +(  | slip           |                 |                                  |                      |            |

|                   |  | Duration              | Start       | Finish      | May           |          |              |                        | Jun                      | 201     | 5                   |     |
|-------------------|--|-----------------------|-------------|-------------|---------------|----------|--------------|------------------------|--------------------------|---------|---------------------|-----|
| Blinding + Wate   | erproofing   | I                     | 1           |             |               |          |              |                        |                          |         |                     | _   |
| SR8.VP.5030       | Blinding for Bay 1 to Bay 7  | 7                     | 17-Jun-15   | 26-Jun-15   |               |          |              |                        |                          | Blindin | g for Bay 1 to Bay  | 7   |
| SR8.VP.5090       | Waterproofing for Bay 1 to Bay 7                                       | 7                     | 27-Jun-15   | 06-Jul-15   |               |          |              |                        |                          |         | Water               | pr  |
| Base Slab + Dra   | ainage   |                       |             | )           |               |          |              |                        |                          |         |                     |     |
| SR8.VP.5100       | Base Slab - Bay 1  | 8                     | 07-Jul-15   | 15-Jul-15   |               |          |              |                        |                          |         |                     |     |
| SR8.VP.5110       | Base Slab - Bay 2  | 8                     | 16-Jul-15   | 24-Jul-15   |               |          |              |                        |                          |         |                     |     |
| SR8.VP.5120       | Base Slab - Bay 3  | 8                     | 25-Jul-15   | 03-Aug-15   |               |          |              |                        |                          |         |                     |     |
| SR8.VP.5130       | Base Slab - Bay 4  | 8                     | 04-Aug-15   | 12-Aug-15   |               |          |              |                        |                          |         |                     |     |
| SR8.VP.5140       | Base Slab - Bay 5  | 8                     | 13-Aug-15   | 21-Aug-15   |               |          |              |                        |                          |         |                     |     |
| Pump Sump E       |  |                       |             |             |               |          |              |                        |                          |         |                     |     |
| SR8.VP.5360       | Base Slab  | 8                     | 07-Jul-15   | 15-Jul-15   |               |          |              |                        |                          |         |                     |     |
| SR8.VP.5370       | Wall Up to Portal Base Slab Bottom                                     | 10                    | 16-Jul-15   | 27-Jul-15   |               |          |              |                        |                          |         |                     |     |
| SR8.VP.5380       | Fill Up Void Up to Portal Base Slab Bottom                             | 7                     | 28-Jul-15   | 04-Aug-15   |               |          |              |                        |                          |         |                     |     |
| SR8 Ch 317.500    | to Ch 210.000 - U-Structure & Slab (Victoria Park)                     |                       |             |             |               |          |              |                        |                          |         |                     | _   |
| Excavation and L  | Lateral Support  |                       |             |             |               |          |              |                        |                          |         |                     | _   |
| SR8_2310          | ELS - Excavation to Formation Level + Lateral Support for UBA2 to UBA5 | 21                    | 12-May-15 A | 01-Jun-15   |               |          |              | ELS - Excavation to    | Formation Level + Latera | al Supp | ort for UBA2 to UI  | B/  |
| RC CCT & Backfi   | ill Ch317.5000 to Ch240.000  |                       |             |             |               |          |              |                        |                          |         |                     |     |
| Structure         |  |                       |             |             |               |          |              |                        |                          |         |                     |     |
| Blinding + Wate   | erproofing   |                       |             |             |               |          |              |                        |                          |         |                     | -   |
| SR8_1830          | Blinding & Waterproofing Bay UBA2 to UBA5                              | 4                     | 02-Jun-15   | 05-Jun-15   |               |          |              | Blinding & Wa          | aterproofing Bay UBA2 to | ψBA5    |                     |     |
| SR8_1840          | Remove Bulk Head at CH317.5  | 7                     | 18-Jun-15   | 26-Jun-15   |               |          |              |                        |                          | Remo    | e Bulk Head at Cl   | H   |
| SR8_1860          | Blinding & Waterproofing Bay UBA8                                      | 4                     | 27-Jun-15   | 02-Jul-15   |               |          |              |                        |                          |         | Blinding & Wa       | ıte |
| Base Slab         |  |                       |             |             |               |          |              |                        |                          |         |                     |     |
| SR8_1810          | SR8 U-structure Base slab (UBA2 - UBA5)                                | 48                    | 06-Jun-15   | 03-Aug-15   |               |          |              |                        |                          |         |                     |     |
| SR8_1812          | SR8 U-structure Base slab (UBA8)                                       | 24                    | 03-Jul-15   | 30-Jul-15   |               |          |              |                        |                          |         |                     |     |
| SR8_1813          | Remove SL3 - (UBA8)  | 14                    | 31-Jul-15   | 15-Aug-15   |               |          |              |                        |                          |         |                     |     |
| SR8_1811          | Remove SL2 - (UBA2 - UBA5)   | 28                    | 04-Aug-15   | 04-Sep-15   |               |          |              |                        |                          |         |                     |     |
| Wall              |  |                       | <u></u>     |             |               |          |              |                        |                          |         |                     |     |
| SR8_1850B         | SR8 U-structure Wall (UBA6-UBA7) - Stage 2                             | 14                    | 23-Feb-15 A | 23-Jun-15   |               |          |              |                        | SR8 U                    | J-strue | ture Wall (UBA6-    | U   |
| SR8_1850A         | Remove SL2, 1 (UBA6-UBA7)  | 14                    | 20-May-15   | 05-Jun-15   |               |          |              | Remove SL2             | , 1 (UBA6-UBA7)          |         |                     |     |
| SR8_2060          | SR8 U-structure Wall (UBA8) - Stage 1                                  | 7                     | 17-Aug-15   | 24-Aug-15   |               |          |              |                        |                          |         |                     |     |
| sing Fung St - RV | N & Subway Extension & Toe Wall at Hing Fat St                         |                       |             |             |               |          |              |                        |                          |         |                     |     |
| Ret. Wall & TF Su | ubway Extension (Portion V)  |                       |             |             |               |          |              |                        |                          |         |                     |     |
| Retaining Wall RV | W8C at Tsing Fung Street (Portion V)                                   |                       |             |             |               |          |              |                        |                          |         |                     |     |
| VP_1770           | Install Steel Railing on Top of RW8C                                   | 14                    | 20-May-15   | 05-Jun-15   |               |          |              | Install Steel F        | ailing on Top of RW8C    |         |                     |     |
| VP_1390           | Demolish Top Portion of Existing Wall Head and Kerb                    | 18                    | 05-Jun-15   | 27-Jun-15   |               |          |              |                        |                          | Dem     | olish Top Portion c | Эf  |
| VP_1400           | Road Formation - Subbase + Kerb + U-shape Channel                      | 48                    | 27-Jun-15   | 24-Aug-15   |               |          |              |                        |                          |         | 1                   | _   |
| Retaining Wall +  | Toe Wall at Hing Fat Street  |                       |             |             |               |          |              |                        |                          |         | <br> <br> <br> <br> | _   |
| Subway Extensio   | on at Tsing Fung Street (Portion VIII)                                 |                       |             |             |               |          |              |                        |                          |         |                     |     |
| West Side         |  |                       |             |             |               |          |              |                        |                          |         | <br> <br> <br> <br> |     |
| VP_1365           | Excavation and Demolition (West Part) of Subway                        | 14                    | 09-Apr-15 A | 23-May-15   |               |          | Excavation a | nd Demolition (West Pa | irt) of Subway           |         |                     |     |
| VP_1375.10        | TFS Subway extension - Blinding and Waterproofing                      | 8                     | 26-May-15   | 03-Jun-15   |               |          |              | TFS Subway ext         | ension - Blinding and Wa | terpro  | ofing               |     |
| VP_1375.20        | TFS Subway extension - Base slab + Drainage                            | 21                    | 04-Jun-15   | 29-Jun-15   |               |          |              |                        |                          | i T     | FS Subway exten     | si  |
|                   |  |                       |             |             | i i           | i        |              | i                      | i i                      | ; ]     | Doto                |     |
|                   |  | Actual Work           |             | Page 3 of 5 |               |          |              |                        |                          |         | Date<br>20-May-15   | _   |
|                   |  | Remaining Work        | arl.        | Contrad     | t No. HY/2010 | )/08: Ce | entral -     | Wanchai Byn            | ass Tunnel +(S           | Slin    |                     | -   |
|                   |  | Critical Remaining Wo | лк          | 1 33.11.44  |               |          |              |                        |                          | - · · P | 1                   |     |



| y ID               | Activity Name   | Original<br>Duration | Start       | Finish      | May                             |                   | 1             |                            | Jun             |                | 2015       |                  | Jul         |
|--------------------|---|----------------------|-------------|-------------|---------------------------------|-------------------|---------------|----------------------------|-----------------|----------------|------------|------------------|-------------|
| VP_1375.30         | TFS Subway extension - Walls                                    | 18                   | 30-Jun-15   | 21-Jul-15   | Way                             |                   |               |                            | Juli            |                |            |                  | Jui         |
| VP_1375.40         | TFS Subway extension - Roof Slab                                | 14                   | 22-Jul-15   | 06-Aug-15   |                                 |                   |               |                            |                 |                |            |                  |             |
| VP_1375.70         | Remove Soffit formwork for Roof Slab                            | 32                   | 07-Aug-15   | 12-Sep-15   | -                               |                   |               |                            |                 |                |            |                  |             |
| RC Works - Toe Wa  | III (RW8E)  |                      |             |             |                                 |                   |               | 1<br>1<br>1<br>1           | 1               |                |            |                  |             |
| VP_6152            | Construct and divert Temporary Footpath                         | 36                   | 20-May-15   | 03-Jul-15   | -                               |                   |               | 1<br>1<br>1                |                 |                |            | Construct and    | divert Te   |
| VP_6160            | Sheet Piling and Excavation to Formation level                  | 45                   | 04-Jul-15   | 25-Aug-15   | -                               |                   |               | 1<br>1<br>1<br>1           |                 |                |            |                  |             |
| rotection Work     | s for IEC Abutment M  |                      |             |             |                                 |                   |               | 1<br>1<br>1<br>1           | 1<br>1<br>1     |                |            |                  |             |
|                    | Approvals and Implementation)                                   |                      |             |             |                                 |                   |               | 1<br>1<br>1<br>1           | -<br>           |                |            |                  |             |
| ABUTM_0910         | Preparation and submission                                      | 36                   | 06-Jul-15   | 15-Aug-15   |                                 |                   |               | -<br>-<br>-<br>-<br>-      |                 |                |            |                  |             |
| ABUTM_0915         | TMLG - review and approval                                      | 24                   | 17-Aug-15   | 12-Sep-15   |                                 |                   |               |                            |                 |                |            |                  |             |
| Design Submissior  | IS  |                      |             |             |                                 |                   |               |                            |                 |                |            |                  |             |
| ABUTM_0945         | Prepare Shop Drawings for Temporary Works                       | 24                   | 06-Jul-15   | 01-Aug-15   |                                 |                   |               |                            |                 |                |            |                  |             |
| ABUTM_0955         | Engineer's Review and Approval - Temp Works                     | 24                   | 03-Aug-15   | 29-Aug-15   | -                               |                   |               | 1<br>1<br>1<br>1           |                 |                |            |                  |             |
| ABUTM_0965         | Prepare Shop Drawings for Permanent Works                       | 24                   | 03-Aug-15   | 29-Aug-15   | -                               |                   |               | 1<br>1<br>1<br>1           |                 |                |            |                  |             |
| Method Statement   |   |                      |             |             |                                 |                   |               | 1<br>1<br>1<br>1           | 1<br>1<br>1     |                |            |                  |             |
| ABUTM_0900         | (01)Protection works method statement - submission              | 24                   | 03-Aug-15   | 29-Aug-15   |                                 |                   |               | 1<br>1<br>1<br>1           |                 |                |            |                  |             |
| Vorks in Victori   | a Park  |                      |             |             |                                 |                   |               | 1<br>1<br>1<br>1           | 1<br>1<br>1     |                |            |                  |             |
| Re-Provisioning Wo |   |                      |             |             |                                 |                   |               | 1<br>1<br>1<br>1           | 1<br>1<br>1     |                |            |                  |             |
| Pavilion           |   |                      |             |             |                                 |                   |               | 1<br>1<br>1<br>1           | 1<br>1<br>1     |                |            |                  |             |
| Materials Submiss  | ion   |                      |             |             |                                 |                   |               | 1<br>1<br>1<br>1           | 1<br>1<br>1     |                |            |                  |             |
| VP_6660            | Issue P.O. / Manufacturing / Fabrication                        | 48                   | 29-Apr-15 A | 06-Jun-15   |                                 |                   |               | Issue P.O. /               | Manufacturir    | g / Fabricati  | pn         |                  |             |
| Shop Drawings      |   |                      |             |             |                                 |                   |               | 1<br>1<br>1<br>1           | <br> <br> <br>  |                |            |                  |             |
| VP_0215            | Shopdrawing - ER review and approval                            | 24                   | 13-Apr-15 A | 23-May-15   |                                 | Shopdrawin        | g - ER reviev | and approv                 | al              |                |            |                  |             |
| Method Statement   |   |                      |             |             |                                 |                   |               | 1                          | 1<br>1<br>1     |                |            |                  |             |
| VP_6690            | (01)Method statement - review and approval by AECOM             | 24                   | 20-Apr-15 A | 27-May-15   |                                 | (01)              | lethod state  | nent - review              | and approv      | al by AECON    | n          |                  |             |
| Construction Work  | s - BG Pavillion  |                      |             |             |                                 |                   |               | 1<br>1<br>1<br>1           |                 | -              |            |                  |             |
| VP_1300            | PV - Initial works (Site Clearance, underground utilities etc.) | 24                   | 09-Apr-15 A | 12-Jun-15   |                                 |                   |               | <u>е</u> Р                 | / - Initial wor | ks (Site Clea  | rance, une | derground utilit | ties etc.)  |
| VP_1340            | Demolish existing BGO   | 24                   | 20-May-15 A | 10-Jun-15   |                                 |                   |               | Demo                       | lish existing   | BGO            |            |                  |             |
| VP_1360            | PV - foundation works   | 21                   | 30-May-15   | 24-Jun-15   |                                 |                   |               | 1<br>1<br>1                | -               | PV-1           | oundation  | works            |             |
| VP_1380            | PV- structural works, G/F to Roof                               | 24                   | 22-Jun-15   | 20-Jul-15   |                                 |                   |               | 1<br>1<br>1<br>1           |                 |                |            |                  |             |
| VP_1420            | PV - ABWF   | 36                   | 21-Jul-15   | 31-Aug-15   | -                               |                   |               |                            |                 |                |            |                  |             |
| <br>VP_1430        | PV - E&M Works  | 36                   | 28-Jul-15   | 07-Sep-15   | -                               |                   |               |                            |                 |                |            |                  |             |
| Bowling Green      |   |                      |             |             |                                 |                   |               | -<br>-<br>-<br>-<br>-      |                 |                |            |                  |             |
|                    | ns for Bowling Green Lighting                                   |                      |             |             |                                 |                   |               | -<br>-<br>-<br>-<br>-      |                 |                |            |                  |             |
| VP_0330            | Engineer's Review and Approval                                  | 24                   | 23-Sep-14 A | 21-May-15   | _                               | Engineer's Rev    | ew and Appr   | oval                       |                 |                |            |                  |             |
| Procurement        |   |                      |             |             |                                 |                   |               | -<br>-<br>-<br>-<br>-<br>- |                 |                |            |                  |             |
| VP_1010.184        | Issue PO / Manufacturing  | 10                   | 22-May-15   | 03-Jun-15   | -                               |                   | Issue         | PO / Manuf                 | acturing        |                |            |                  |             |
| VP_1010.194        | Delivery  | 11                   | 04-Jun-15   | 16-Jun-15   | -                               |                   |               |                            | Deliver         | v              |            |                  |             |
| VP_6670            | Materials Delivery - Green Turf                                 | 24                   | 08-Jun-15   | 07-Jul-15   | -                               |                   |               |                            |                 | ,<br>,         |            | Materi           | ials Delive |
| Construction Work  |   |                      |             |             |                                 |                   |               | 1<br>1<br>1<br>1           | -               |                |            |                  |             |
|                    | Demolish existing CP / BGO / Site Clearance                     | 24                   | 09-Apr-15 A | 20-May-15   | -                               | Demolish existing | CP/BGO/       | Site Clearan               | e               |                |            |                  |             |
| VP_1710            | BG - Install U/G Sewerage System                                |                      | 29-Apr-15 A | 02-Jun-15   |                                 |                   |               | stall U/G Sev              |                 | em             |            |                  |             |
| VP_1720            | BG - Install Drainage System                                    | 24                   | 20-May-15   | 17-Jun-15   | _                               |                   |               |                            | :               | Install Draina | ne Systen  | 0                |             |
| VI _1720           |   | 24                   | 20-10lay-13 | 17-5011-15  |                                 |                   |               | 1                          |                 |                | ige System |                  |             |
|                    | Actual  | Work                 |             | Page 4 of 5 |                                 |                   |               |                            |                 |                |            | Date             |             |
|                    | Remain  | ning Work            |             |             |                                 |                   |               |                            |                 |                | 1          | 20-May-15        | Upd         |
|                    |   |                      |             |             |                                 |                   |               | · -                        | _               |                |            |                  |             |
|                    |   | Remaining Wo         | ork         | Contrac     | ct No. HY/2010/<br>Road 8 Secti |                   |               |                            |                 |                | lip        |                  |             |



| ctivity ID     | Activity Name   | Original |             | Finish    |     |     | 2045                           |  |
|----------------|---|----------|-------------|-----------|-----|-----|--------------------------------|--|
|                |   | Duration |             |           | Mav | Jun | 2015<br>Jul                    | Aug                                      |
| VP_1730        | BG - Install Irrigation System  | 24       | 04-Jun-15   | 03-Jul-15 |     |     | BG - Install Irrigation System |  |
| VP_1740        | BG - Install Conduit and Lighting System  | 36       | 18-Jun-15   | 31-Jul-15 |     |     |                                | BG - Install Conduit and Lighting System |
| VP_1450        | BG - Re-provisioning works - Hardscape & Furnitures (Green Turf/ Granite Tiles) | 36       | 15-Jul-15   | 25-Aug-15 |     |     |                                |  |
| VP_1745        | Test & Commission - Lighting System   | 16       | 01-Aug-15   | 19-Aug-15 |     |     |                                | Test & Co                                |
| Mooring Com    | ponents Upkeep (CBTS and ATS)   |          |             | J         |     |     |                                |  |
| MAR_2000       | Mooring Upkeep at Portion XIX(19) & XX(20) - ATS (if instructed by Engineer)    | 1399     | 21-Mar-13 A | 17-Jan-17 |     |     |                                |  |
| MAR_1000       | Mooring Upkeep at Portion III (3) - CBTS  | 574      | 15-May-14 A | 09-Dec-15 |     |     |                                |  |
| MAR_3020       | Mooring Upkeep at Portion X(10) & XVI(16) - CBTS                                | 979      | 15-May-14 A | 21-Jan-17 |     |     |                                |  |
| Works for Pu   | blic Works Regional Laboratory (North Lantau)                                   |          |             |           |     |     |                                |  |
| Maintenance ar | nd Upkeep of New PWRL (Portion XVII)  |          |             |           |     |     |                                |  |
| PWRL_1050      | Maintenance/ Upkeep of New PWRL   | 1301     | 19-Jul-13 A | 21-Nov-17 |     |     |                                |  |
|                |   |          |             |           |     |     |                                |  |

| Actual Work<br>Remaining Work<br>Critical Remaining Work | Page 5 of 5<br>Contract No. HY/2010/08: Central - Wanchai Bypass Tunnel +(Slip<br>Road 8 Section) - 3 Months Rolling Progamme | Date<br>20-May-15 | Update |
|--|---|-------------------|--------|
|--|---|-------------------|--------|

| Revision               | Checked | Approved |
|------------------------|---------|----------|
| dated to 20th May 2015 | DML/WC  |          |
|                        |         |          |
|                        |         |          |
|                        |         |          |