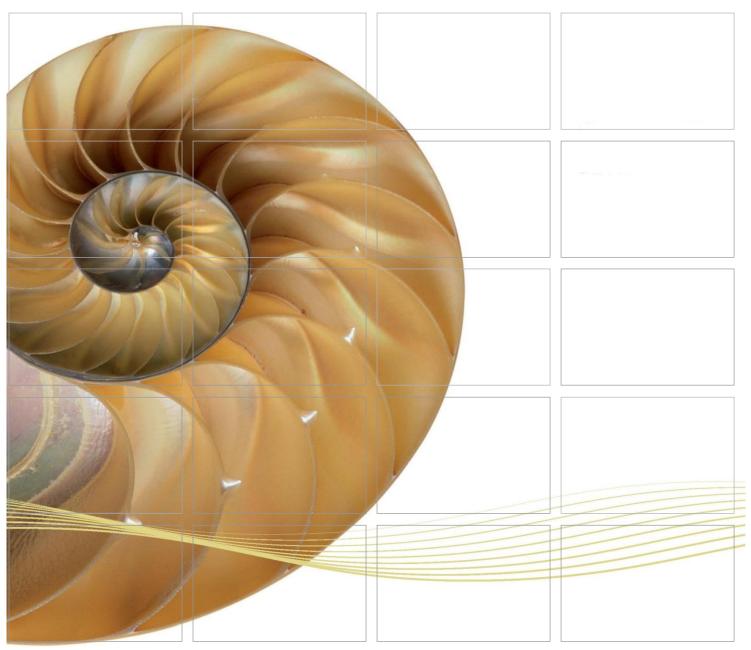
REPORT



Contract No. HY/2017/10 Tuen Mun – Chek Lap Kok Link – Northern Connection Tunnel Buildings, Electrical and Mechanical Works

Twelfth Monthly EM&A Report

14 June 2019

Environmental Resources Management 2507, 25/F One Harbourfront 18 Tak Fung Street Hunghom, Kowloon Hong Kong Telephone 2271 3000 Facsimile 2723 5660



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Contract No. HY/2017/10 Tuen Mun – Chek Lap Kok Link – Northern Connection Tunnel Buildings, Electrical and Mechanical Works

Environmental Resources Management

2507, 25/F One Harbourfront 18 Tak Fung Street Hunghom, Kowloon Hong Kong Telephone: (852) 2271 3000 Facsimile: (852) 2723 5660 E-mail: post.hk@erm.com http://www.erm.com

Twelfth Monthly EM&A Report

Document Code: 0463091_12th Monthly EM&A_20190614.doc

Client:		Project N	lo:		
Gammo	n	046309)1		
Summary	r.	Date:			
		14 Jun	e 2019		
		Approve	d by:		
This document presents the Twelfth Monthly EM&A Report for Tuen Mun – Chek Lap Kok Link – Northern Connection Tunnel Buildings, Electrical and Mechanical Works.			lif.		
		Mr Cra	ig Reid		
		Partner	0		
		Certified	by:		
		Jam	in		
		Dr Jası	nine Ng		
		ET Lead	er		
	Twelfth Monthly EM&A Report	CY	JN	CAR	14/6/19
Revision	Description	Ву	Checked	Approved	Date
This report has been prepared by Environmental Resources Management the trading name of 'ERM Hong-Kong, Limited', with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client.		Distribution Distribution Internal OHSAS 18001:2007 Certificate No. OHS 515956			
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Ref.: HYDHZMBEEM00_0_7456L.19

17 June 2019

By Fax (2783 0155) and By Post

AECOM Asia Company Limited Supervising Officer's Representative Office No. 8 Mong Fat Street, Tuen Mun, New Territories, Hong Kong

Attention: Mr. Desmond Fung

Dear Mr. Fung,

Re: Agreement No. CE 48/2011 (EP) Environmental Project Office for the HZMB Hong Kong Link Road, HZMB Hong Kong Boundary Crossing Facilities, and Tuen Mun-Chek Lap Kok Link – Investigation

Contract No. HY/2017/10 TM-CLKL – Northern Connection Tunnel Buildings, E&M Works <u>12th Monthly EM&A Report for May 2019</u>

Reference is made to the Environmental Team's submission of the monthly EM&A report for May 2019 (ET's ref.: "0463091_12th Monthly EM&A_20190614.doc" dated 14 June 2019) certified by the ET Leader and provided to us via e-mail on 17 June 2019.

Please be informed that we have no adverse comments on the captioned submission. We write to verify the captioned submission in accordance with Condition 4.4 of EP-354/2009/D.

Thank you for very much your attention. Please feel free to contact the undersigned or the ENPO Leader, Mr. Y H Hui, should you require further information.

Yours sincerely, For and on behalf of Ramboll Hong Kong Limited

Fortableson

F. C. Tsang Independent Environmental Checker Tuen Mun-Chek Lap Kok Link

c.c.

HyD	Mr. Patrick Ng	(By Fax: 3188 6614)
HyD	Mr. Cheng Pan	(By Fax: 3188 6614)
AECOM	Mr. Conrad Ng	(By Fax: 3922 9797)
ERM	Dr. Jasmine Ng	(By Fax: 2723 5660)
Gammon	Mr. Max Poon	(By Fax: 3520 0486)

Internal: DY, YH, RY, DF, HW, ENPO Site

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Ramboll Hong Kong Limited 英環香港有限公司

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- Appendix J Cumulative Statistics on Exceedances, Complaints, Notifications of Summons and Successful Prosecutions

Under *Contract No. HY/2017/10*, Gammon Construction Limited (GCL) is commissioned by the Highways Department (HyD) to undertake Northern Connection Tunnel Buildings, Electrical and Mechanical Works of the Tuen Mun – Chek Lap Kok Link Project (TM-CLK Link Project) while AECOM Asia Company Limited was appointed by HyD as the Engineer. For implementation of the environmental monitoring and audit (EM&A) programme under the Contract, ERM-Hong Kong, Limited (ERM) has been appointed as the Environmental Team (ET) in accordance with *Environmental Permit No. EP-354/2009/A*. Ramboll Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO). Subsequent applications for variation of environmental permits (VEP), *EP-354/2009/B*, *EP-354/2009/C* and *EP-354/2009/D*, were granted on 28 January 2014, 10 December 2014 and 13 March 2015, respectively.

The construction phase of the Contract commenced on 7 June 2018 and will tentatively be completed by 2021. The impact monitoring of the EM&A programme, including air quality and environmental site inspections, were commenced on 7 June 2018.

This is the twelfth Monthly EM&A report presenting the EM&A works carried out during the period from 1 to 31 May 2019 for the *Contract No. HY/2017/10 Northern Connection Tunnel Buildings, Electrical and Mechanical Works* (the "Contract") in accordance with the Updated EM&A Manual of the TM-CLK Link Project. As informed by the Contractor, major activities in the reporting period included:

Land-based Works

- Electrical and Mechanical Works and Architectural Builders Work and Finishes at Toll Control Building;
- Electrical and Mechanical Works at Ventilation Plant Room;
- Electrical and Mechanical Works at North Ventilation Building;
- Building Structure at Administration Building;
- Building Structure at Maintenance Depot;
- Building structure at Fire Services Department Building;
- Building Structure at Customs and Excise Department Building;
- Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2; and
- Electrical and Mechanical Works at the Tunnel;

- Electrical and Mechanical Works and Architectural Builders Work and Finishes at underpass at C3 area; and
- Building Structure at Satellite Control Building

A summary of monitoring and audit activities conducted in the reporting period is listed below ⁽¹⁾:

24-hour TSP Monitoring	10 sessions
1-hour TSP Monitoring	10 sessions
Landfill Gas Hazard Monitoring	11 days
Joint Environmental Site Inspection	5 sessions

Summary of Breaches of Action/Limit Levels

Breaches of Action and Limit Levels for Air Quality

Two (2) Action Level exceedances of 1-hour TSP and one (1) Action Level exceedance of 24-hour TSP were recorded by the Environmental Team of Contract No. *HY*/2012/08 during the reporting period.

Breaches of Action and Limit Levels for Landfill Gas Hazard Monitoring

No exceedance of Action and Limit Levels was recorded for landfill gas hazard monitoring in the reporting month.

Environmental Complaints, Non-compliance & Summons

There was one (1) environmental complaint received from EPD about dust nuisance at Northern Landfall on 22 May 2019 in the reporting period in the reporting period. There was no notification of summons or successful prosecution recorded in the reporting period.

Reporting Change

There was no reporting change in the reporting period.

Upcoming Works for the Next Reporting Month

Works to be undertaken in the next monitoring period of June 2019 include the following:

Land-based Works

• Electrical and Mechanical Works and Architectural Builders Work and Finishes at Toll Control Building;

ET justification on the Contract Specific Environmental Monitoring and Audit activities under this Contract was submitted to ENPO on 11 September 2018

- Electrical and Mechanical Works at Ventilation Plant Room;
- Electrical and Mechanical Works at North Ventilation Building;
- Building Structure at Administration Building;
- Building Structure at Maintenance Depot;
- Building structure at Fire Services Department Building;
- Building Structure at Customs and Excise Department Building;
- Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2; and
- Electrical and Mechanical Works at the Tunnel;
- Electrical and Mechanical Works and Architectural Builders Work and Finishes at underpass at C3 area; and
- Building Structure at Satellite Control Building.

Future Key Issues

Potential environmental impacts arising from the above upcoming construction activities in the next reporting month of June 2019 are mainly associated with dust and waste management issues.

1.1 BACKGROUND

According to the findings of the Northwest New Territories (NWNT) Traffic and Infrastructure Review conducted by the Transport Department, Tuen Mun Road, Ting Kau Bridge, Lantau Link and North Lantau Highway would be operating beyond capacity after 2016. This forecast has been based on the estimated increase in cross boundary traffic, developments in the Northwest New Territories (NWNT), and possible developments in North Lantau, including the Airport developments, the Lantau Logistics Park (LLP) and the Hong Kong – Zhuhai – Macao Bridge (HZMB). In order to cope with the anticipated traffic demand, two new road sections between NWNT and North Lantau – Tuen Mun – Chek Lap Kok Link (TM-CLKL) and Tuen Mun Western Bypass (TMWB) are proposed.

An Environmental Impact Assessment (EIA) of TM-CLKL (the Project) was prepared in accordance with the EIA Study Brief (No. ESB-175/2007) and the *Technical Memorandum of the Environmental Impact Assessment Process (EIAO-TM*). The EIA Report was submitted under the Environmental Impact Assessment Ordinance (EIAO) in August 2009. Subsequent to the approval of the EIA Report (EIAO Register Number AEIAR-146/2009), an Environmental Permit (EP-354/2009) for TM-CLKL was granted by the Director of Environmental Protection (DEP) on 4 November 2009, and EP variation (VEP) (EP-354/2009/A) was issued on 8 December 2010. Subsequent applications for variation of environmental permits (VEPs), *EP-354/2009/B, EP-354/2009/C* and *EP-354/2009/D*, were granted on 28 January 2014, 10 December 2014 and 13 March 2015, respectively.

Under *Contract No. HY/2017/10*, Gammon Construction Limited (GCL) is commissioned by the Highways Department (HyD) to undertake the Northern Connection Tunnel Buildings, Electrical and Mechanical Works of TM-CLKL while AECOM Asia Company Limited was appointed by HyD as the Engineer. For implementation of the environmental monitoring and audit (EM&A) programme under the Contract, ERM-Hong Kong, Limited (ERM) has been appointed as the Environmental Team (ET). Ramboll Hong Kong Ltd. was employed by HyD as the Independent Environmental Checker (IEC) and Environmental Project Office (ENPO).

The construction phase of the Contract commenced on 7 June 2018 and will be tentatively completed by 2021. The impact monitoring phase of the EM&A programme, including air quality and environmental site inspections, commenced on 7 June 2018.

The general layout plan of the Contract components is presented in *Figures 1.1* & 1.2a to c.





TUEN MUN -CHEK LAP KOK LINK

CONTRACT TITLE TUEN MUN - CHEK LAP KOK LINK - NORTHERN CONNECTION TUNNEL BUILDINGS, ELECTRICAL AND MECHANICAL WORKS CLIENT





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Figure 1.1

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KEY PLAN

PROJECT NO.

CONTRACT NO.

60240249

HY/2017/10

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

60240249/C4/7051A





TUEN MUN -CHEK LAP KOK LINK

CONTRACT TITLE TUEN MUN - CHEK LAP KOK LINK - NORTHERN CONNECTION TUNNEL BUILDINGS, ELECTRICAL AND MECHANICAL WORKS

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Figure 1.2a

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PROJECT NO.

60240249

CONTRACT NO. HY/2017/10

SHEET TITLE

ZONING PLAN (SHEET 1)

SHEET NUMBER

60240249/C4/7061A





TUEN MUN -

CHEK LAP KOK LINK

CONTRACT TITLE TUEN MUN - CHEK LAP KOK LINK - NORTHERN CONNECTION TUNNEL BUILDINGS, ELECTRICAL AND MECHANICAL WORKS

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Figure 1.2b

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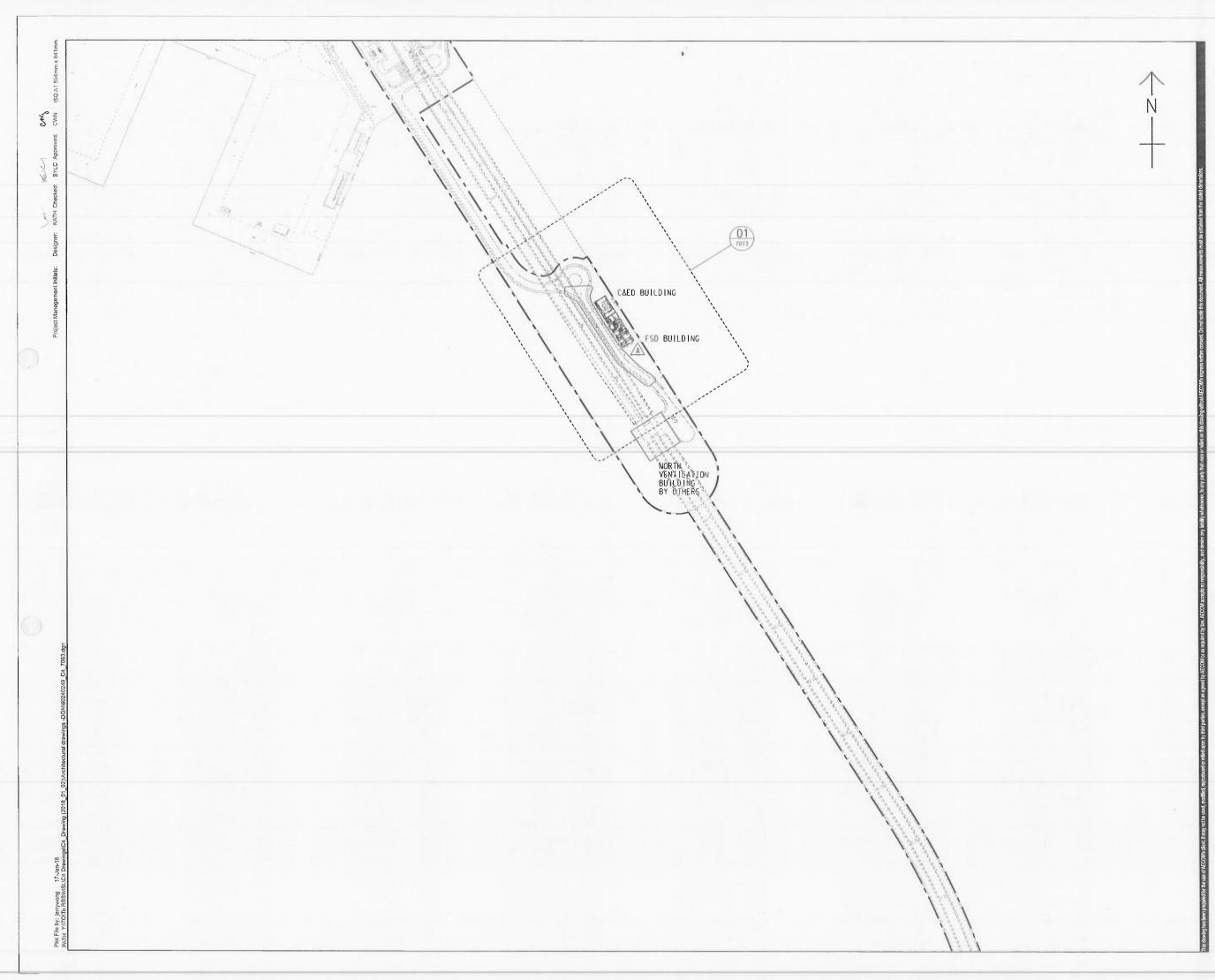
CONTRACT NO. HY/2017/10

SHEET TITLE

ZONING PLAN (SHEET 2)

SHEET NUMBER

60240249/C4/7062A





TUEN MUN -CHEK LAP KOK LINK

CONTRACT TITLE TUEN MUN - CHEK LAP KOK LINK - NORTHERN CONNECTION TUNNEL BUILDINGS, ELECTRICAL AND MECHANICAL WORKS

CLIENT



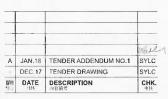
CONSULTANT

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Figure 1.2c

ISSUE/REVISION



STATUS

DIMENSION UNIT

MILLIMETRES

A1 1:2500

KEY PLAN

PROJECT NO. 60240249

CONTRACT NO. HY/2017/10

SHEET TITLE

ZONING PLAN (SHEET 3)

SHEET NUMBER

60240249/C4/7063A

1.2 SCOPE OF REPORT

This is the Twelfth Monthly EM&A Report under the *Contract No. HY/2017/10 Tuen Mun – Chek Lap Kok Link – Northern Connection Tunnel Buildings, Electrical and Mechanical Works*. This report presents a summary of the environmental monitoring and audit works in May 2019.

1.3 ORGANIZATION STRUCTURE

The organization structure of the Contract is shown in *Appendix A*. The key personnel contact names and contact details are summarized in *Table 1.1* below.

Party	Position	Name	Telephone	Fax
HyD (Highways Department)	Project Coordinator	Joseph Lee	2762 4958	3188 6614
• · ·	Senior Engineer	Cheng Pan	2762 3383	3188 6614
ER (AECOM Asia Company Limited)	Principle Resident Engineer	S. W. Fok	2293 6200	2293 6300
	Resident Engineer	Desmond Fung	2293 6200	2293 6300
ENPO / IEC (Ramboll Hong Kong	ENPO Leader	Y.H. Hui	3465 2850	3465 2899
Ltd.)	IEC	Dr. F.C. Tsang	3465 2851	3465 2899
Contractor (Gammon	Site Agent	Kenneth Tai	9039 4723	-
Construction Limited)	Environmental Officer	Max Poon	9103 6303	-
ET (ERM-HK)	ET Leader	Dr. Jasmine Ng	2271 3311	2723 5660

Table 1.1Contact Information of Key Personnel

1.4 SUMMARY OF CONSTRUCTION WORKS

The construction phase of the Contract commenced on 7 June 2018. The three-month rolling construction programme is shown in Appendix B.

As informed by the Contractor, details of the major works carried out in this reporting month are listed below:

Land-based Works

- Electrical and Mechanical Works and Architectural Builders Work and Finishes at Toll Control Building;
- Electrical and Mechanical Works at Ventilation Plant Room;
- Electrical and Mechanical Works at North Ventilation Building;

- Building Structure at Administration Building;
- Building Structure at Maintenance Depot;
- Building structure at Fire Services Department Building;
- Building Structure at Customs and Excise Department Building;
- Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2; and
- Electrical and Mechanical Works at the Tunnel;
- Electrical and Mechanical Works and Architectural Builders Work and Finishes at underpass at C3 area; and
- Building Structure at Satellite Control Building.

The locations of the construction activities are shown in *Figure 1.3*. The Environmental Sensitive Receivers in the vicinity of the Contract are shown in *Figure 1.4*.

The implementation schedule of environmental mitigation measures is presented in *Appendix C*.

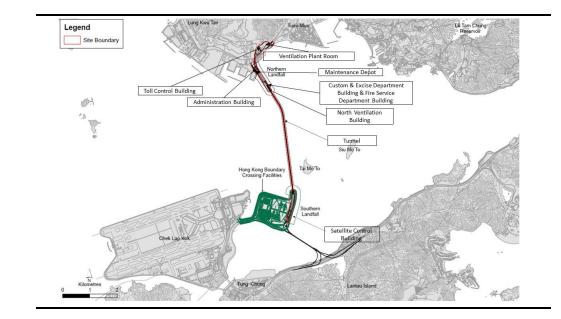
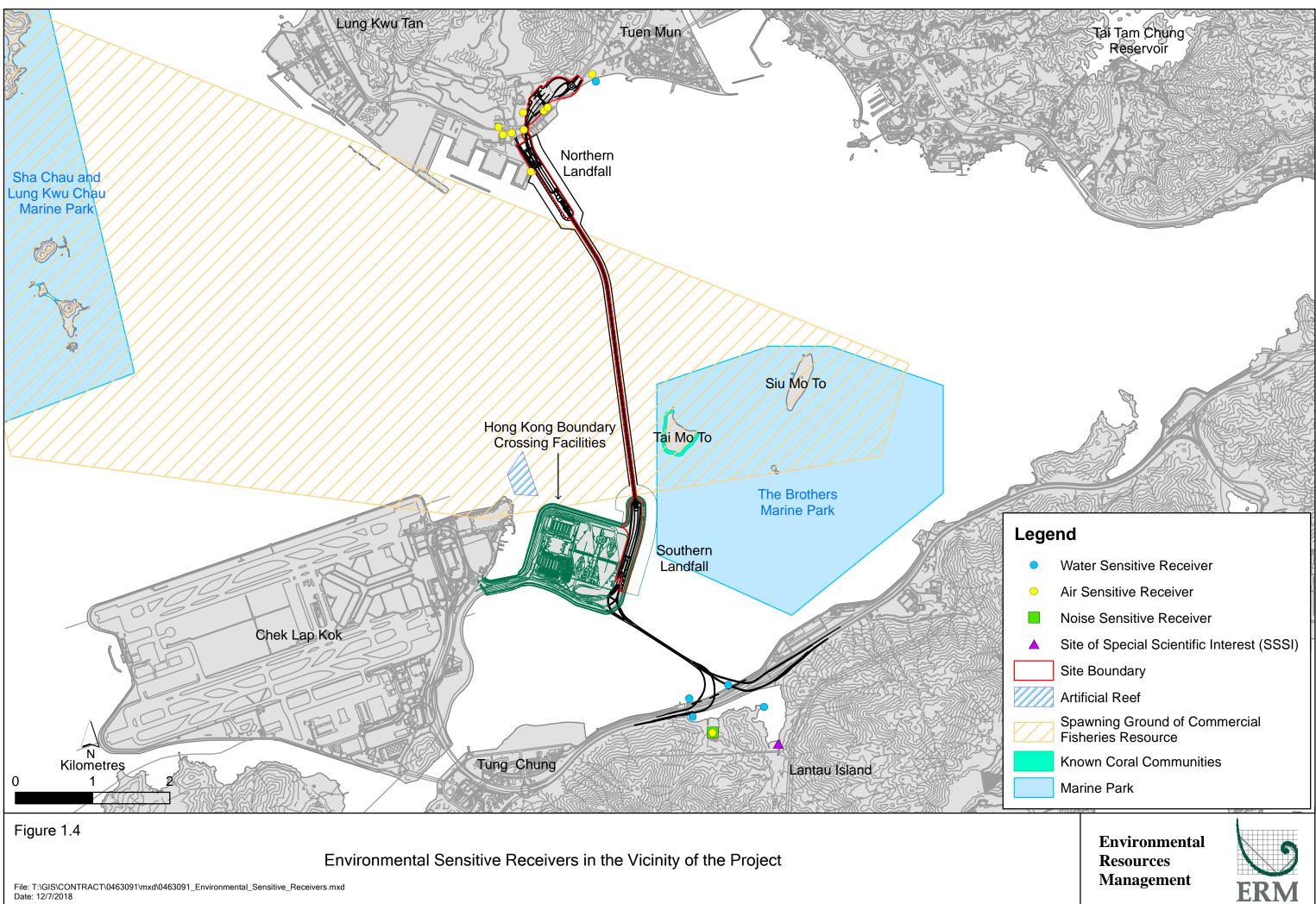


Figure 1.3 Locations of Major Construction Activities in the Reporting Month



2 EM&A RESULTS

The EM&A programme required environmental monitoring for air quality and environmental site inspections for air quality, water quality and waste management. The EM&A requirements and related findings for each component are summarized in the following sections

2.1 AIR QUALITY

2.1.1 Monitoring Requirements and Equipment

In accordance with the Updated EM&A Manual and the Enhanced TSP Monitoring Plan, impact 1-hour TSP monitoring was conducted three (3) times every six (6) days and impact 24-hour TSP monitoring was carried out once every six (6) days when the highest dust impact was expected. 1-hr and 24hr TSP monitoring frequency was increased to three times per day every three days and daily every three days, respectively, as excavation works for launching shaft under *Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section* commenced on 24 October 2014.

Results of air quality monitoring were adopted from the published EM&A data of *Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section* ⁽¹⁾.

The Action and Limit Levels of the air quality monitoring were adopted from the published EM&A reports of *Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section* ⁽²⁾. The Action and Limit Levels are provided in *Appendix D*.

The locations of the monitoring stations overlapped with Contract No. HY/2012/08 are shown in *Figure 2.1* and presented in *Table 2.1*.

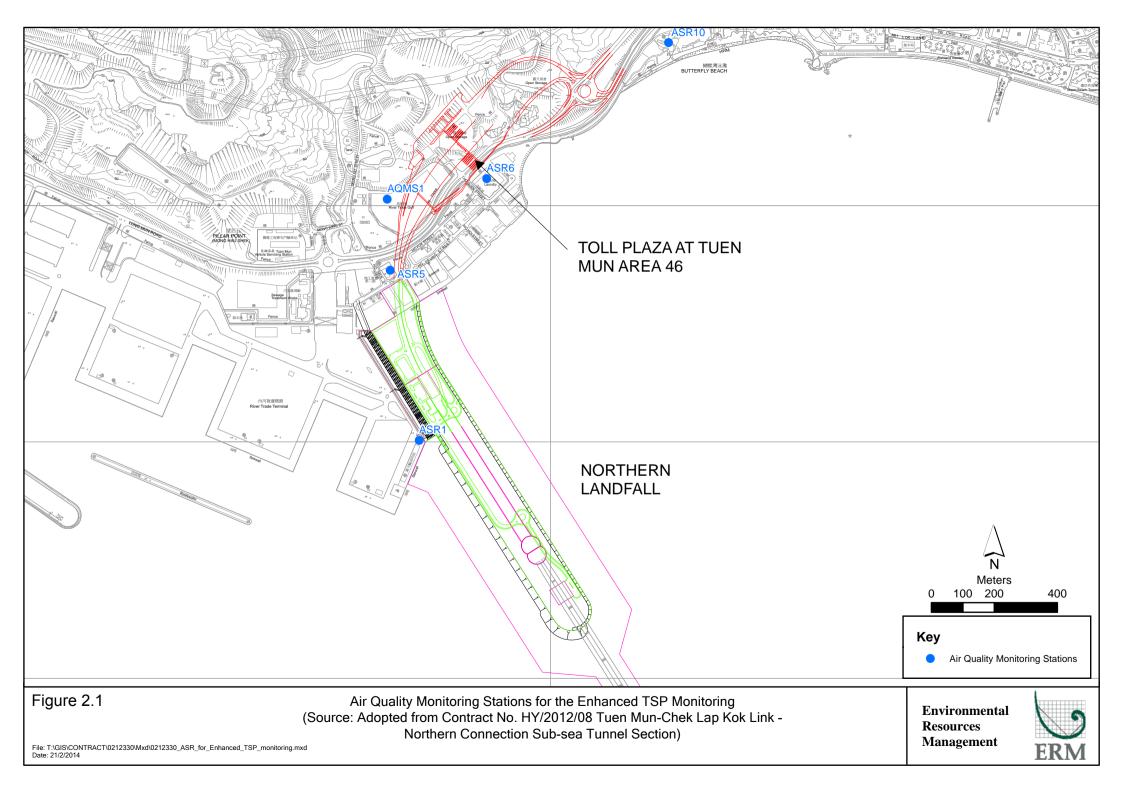
Table 2.1Locations of Impact Air Quality Monitoring Stations and and its
Corresponding Monitoring Requirements

Monitoring Station	Monitoring Dates	Location	Description	Parameters & Frequency
ASR1	2, 5, 8, 11, 14, 17, 20,	Tuen Mun	Office	TSP monitoring
	23, 26 and 29 May	Fireboat Station		 1-hour Total Suspended
	2019			Particulates (1-hour TSP,
ASR5		Pillar Point Fire	Office	μ g/m ³), 3 times in every 6 days
		Station		24-hour Total Suspended
				Particulates (24-hour TSP,
AQMS1		Previous River	Bare ground	μ g/m ³), daily for 24-hour in
		Trade Golf		every 6 days
				Enhanced TSP monitoring

 Published EM&A data for impact air quality monitoring by Contract No. HY/2012/08 are available at: http://www.hzmbenpo.com/

(2) Published EM&A reports of Contract No. HY/2012/08 are available at: http://www.hzmbenpo.com/

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Monitoring Station Monitoring Dates	Location	Description	Parameters & Frequency
ASR6	Butterfly Beach	Office	(commenced on 24 October 2014
	Laundry		under Contract No. HY/2012/08)
			 1-hour Total Suspended
ASR10	Butterfly Beach	Recreational	Particulates (1-hour TSP,
	Park	uses	μ g/m ³), 3 times in every 3 days
			• 24-hour Total Suspended
			Particulates (24-hour TSP,
			μ g/m ³), daily for 24-hour in
			every 3 days

2.1.2 Results and Observations

Results of air quality monitoring were adopted from the published EM&A data of *Contract No. HY/2012/08 Tuen Mun-Chek Lap Kok Link – Northern Connection Sub-sea Tunnel Section* ⁽¹⁾.

Two (2) Action Level exceedances for 1-hour TSP and one (1) Action Level exceedance of 24-hour TSP were recorded by the Environmental Team of Contract No. *HY*/2012/08 during the reporting period. The exceedances were considered not related to this Contract upon further investigation and the investigation report is presented in *Appendix J*. No action is required to be undertaken in accordance with the Event Action Plan as presented in *Appendix E*.

2.2 LANDFILL GAS HAZARD MONITORING

In accordance with the Updated EM&A Manual of the TM-CLK Link Project, landfill gas hazard monitoring should be perform to ensure that the works area at Pillar Point Valley (PPV) Landfill is free of landfill gas during any excavations works. A total of 11 days of landfill gas hazard monitoring was conducted at Ventilation Plant Room during 2 to 15 May 2019 (*Appendix F*).

The landfill gas hazard monitoring was conducted in accordance to the Upated EM&A Manual with a Altair 5X Gas Detector. The calibration certificate for the equipment is presented in *Appendix G*.

The Action and Limit Levels of the landfill gas hazard monitoring were adopted from the Undated EM&A Manual of the TM-CLK Link Project and are provided in *Appendix D*.

2.2.1 *Results and Observations*

Results for landfill gas hazard monitoring are summarized in *Table 2.2* and the monitoring data is provided in *Appendix H*.

No exceedance of Action and Limit Levels for methane, oxygen and carbon dioxide was recorded in the reporting month.

 Published EM&A data for impact air quality monitoring by Contract No. HY/2012/08 are available at: http://www.hzmbenpo.com/

	Average (%)	Range (%)	Action / Limit Level (%)
Methane	0	0	10 / 20
Oxygen	20.8	20.7-20.9	19 / 18
Carbon Dioxide	0.07	0.07-0.08	0.5 / 1.5

2.3 EM&A SITE INSPECTION

Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting month, five (5) site inspections were carried out on 2, 10, 17, 24 and 31 May 2019.

Key observations and recommendations during the site inspections in this reporting period are summarized in *Table 2.3*.

Table 2.3Specific Observations and Recommendations during the Weekly SiteInspection in this Reporting Month

Inspection Date	Observations	Recommendations/ Remarks
2 May 2019	 Fire Services Department Building Drip tray should be provided for the chemicals Toll Control Building Accumulated waste should be removed regularly Drip tray should be provided for the chemicals. Cement bags should be covered by tarpaulin sheets. 	 Fire Services Department Building The Contractor was reminded to provide drip tray for the chemicals. Toll Control Building The Contractor was reminded to remove the accumulated waste regularly The Contractor was reminded to provide drip tray for the chemicals. The Contractor was reminded to cover the cement bags by tarpaulin sheets.
10 May 2019	 Fire Services Department Building The NRMM label on the vibratory roller is damaged. North Ventilation Building Accumulated waste in the refuse skip should be cleared. 	 Fire Services Department Building The Contractor was reminded to replace the damaged NRMM label on the vibratory roller is damaged. North Ventilation Building The Contractor was reminded to clear accumulated waste in the refuse skip.
17 May 2019	 Customs and Excise Department Building Chemical container was observed without drip tray. Oil stain was observed on the ground near the excavator. 	 Customs and Excise Department Building The Contractor was reminded to place chemical container in drip tray. The Contractor was reminded to clear the oil stain on the ground.
24 May 2019	 Customs and Excise Department Building Chemical container was observed without drip tray. Maintenance Depot Chemical drums were observe without drip tray. 	 Customs and Excise Department Building The Contractor was reminded to place chemical container in drip tray. Maintenance Depot The Contractor was reminded to place chemical drum in drip tray.
31 May 2019	TunnelSome oil was observed in stagnant water in the tunnel.	 Tunnel The Contractor was reminded to treat the chemical contaminated water inside tunnel properly prior discharge.

The Contractor has rectified all of the observations as identified during environmental site inspections in the reporting month.

2.4 WASTE MANAGEMENT STATUS

The Contractor had submitted application form for registration as chemical waste producer under the Contract. Sufficient numbers of receptacles were available for general refuse collection and sorting.

Wastes generated during this reporting period included mainly construction wastes (inert and non-inert). Reference has been made to the waste flow table prepared by the Contractor (*Appendix I*). The quantities of different types of wastes are summarized in *Table 2.4*.

Table 2.4Quantities of Different Waste Generated in the Reporting Month

Month/Year	Inert C&D Materials ^(a) (m ³)	Inert Construction Waste Re- used (m ³)	Non-inert Construction Waste ^(b) (kg)	Imported Fill (m³)	Recyclable Materials ^(c) (kg)	Chemical Wastes (kg)
May 2019	0	0	62,240	0	0	0
	Notes:					
	(a) Inert const	truction wastes in	nclude hard rock a	and large broken co	oncrete disposed a	s public fill.
	(b) Non-inert	construction was	stes include gener	al refuse disposed	at landfill.	
	(c) Recyclable	materials includ	le metals, paper, o	ardboard, plastics,	timber and others	

The Contractor was advised to properly maintain on site C&D materials and waste collection, sorting and recording system, dispose of C&D materials and wastes at designated ground and maximize reuse/ recycle of C&D materials and wastes. The Contractor was also reminded to properly maintain the site tidiness and dispose of the wastes accumulated on site regularly and properly.

For chemical waste containers, the Contractor was reminded to treat properly and store temporarily in designated chemical waste storage area on site in accordance with the *Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes*.

2.5 Environmental Licenses and Permits

The status of environmental licensing and permit is summarized in *Table 2.5* below.

License/ Permit	License or Permit No.	Date of Issue	Date of Expiry	License/ Permit Holder	Remarks
Environmental Permit	EP-354/2009/D	13 March 2015	N/A	HyD	Tuen Mun- Chek Lap Kok Link
APCO Construction Dust	433493	14 May 2018	N/A	GCL	For Tuen Mun working area
Notification					
Construction Waste Billing	7030836	15 May 2018	N/A	GCL	N/A
Account					
Chemical Waste Producer	5213-422-G2827-01	13 June 2018	N/A	GCL	N/A
Registration					
Discharge License under	WT00031783-2018	22 October 2018	31 October 2023	GCL	Sampling Frequency: Bimonthly
WPCO for Buildings at C2					
area					
Discharge License under	WT00032062-2018	30 October 2018	31 October 2023	GCL	Sampling Frequency: Quarterly
WPCO for Buildings at C3					
area					
Construction Noise Permit	GW-RW0135-19	27 March 2019	30 September 2019	GCL	For Toll Control Building, Administration
					Building, Maintenance Depot, FSD, C&ED,
					Boundary Wall and WA18
Construction Noise Permit	GW-RS0340-19	18 April 2019	17 October 2019	GCL	For Kiosk S2

2.6 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

In response to the site audit findings, the Contractors carried out all corrective actions.

A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in *Appendix C*. The necessary mitigation measures relevant to this Contract were implemented properly.

The landscape and visual (L&V) mitigation measures were also monitored on weekly basis in the reporting period. The monitoring status is summarized in *Appendix C*.

2.7 SUMMARY OF EXCEEDANCES OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMIT

Two (2) Action Level exceedance for 1-hour TSP and one (1) Action Level exceedance of 24-hour TSP were recorded by the Environmental Team of Contract No. *HY*/2012/08 during the reporting period. The exceedances were considered not related to this Contract upon further investigation and the investigation report is presented in *Appendix J*. No action is required to be undertaken in accordance with the Event Action Plan as presented in *Appendix E*.

Cumulative statistics are provided in Appendix J.

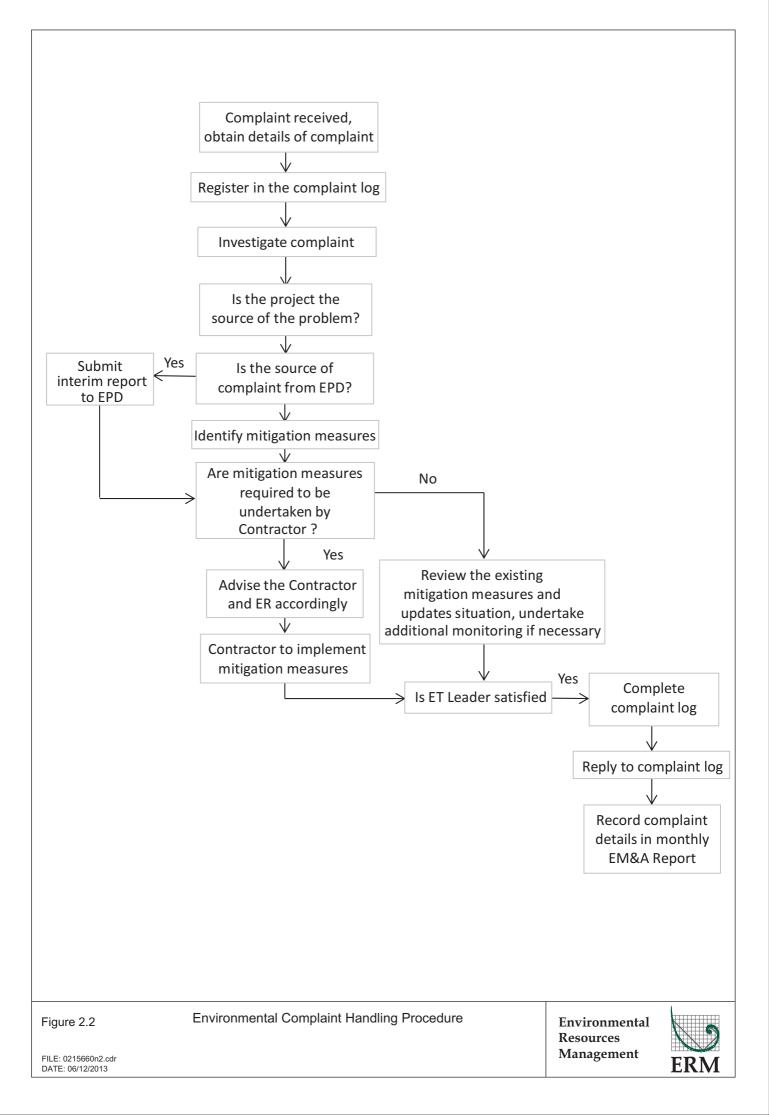
2.8 SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

The Environmental Complaint Handling Procedure is provided in *Figure 2.2*.

There were one (1) complaint received from EPD on dust nuisance at Northern Landfall on 22 May 2019 in the reporting period. Upon investigation, there were no adequate evidences to conclude that the complaint cases were related to this Contract and the investigation report is presented in *Appendix J*.

There was no notification of summons or successful prosecution recorded in the reporting period.

Statistics on complaints, notifications of summons, successful prosecutions are summarized in *Appendix J*.



3 FUTURE KEY ISSUES

3.1 CONSTRUCTION ACTIVITIES FOR THE COMING MONTH

As informed by the Contractor, the major works for the Contract in June 2019 will be:

Land-based Works

- Electrical and Mechanical Works and Architectural Builders Work and Finishes at Toll Control Building;
- Electrical and Mechanical Works at Ventilation Plant Room;
- Electrical and Mechanical Works at North Ventilation Building;
- Building Structure at Administration Building;
- Building Structure at Maintenance Depot;
- Building structure at Fire Services Department Building;
- Building Structure at Customs and Excise Department Building;
- Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2; and
- Electrical and Mechanical Works at the Tunnel;
- Electrical and Mechanical Works and Architectural Builders Work and Finishes at underpass at C3 area; and
- Building Structure at Satellite Control Building

3.2 KEY ISSUES FOR THE COMING MONTH

Potential environmental impacts arising from the above upcoming construction activities in the next reporting month of June 2019 are mainly associated with dust and waste management issues.

4 CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

This Twelve Monthly EM&A Report presents the findings of the EM&A activities undertaken during the period from 1 to 31 May 2019, in accordance with the Updated EM&A Manual and the requirements of EP-354/2009/D.

Air quality (including 1-hour TSP and 24-hour TSP) and landfill gas hazard monitoring were carried out in this reporting month.

Two (2) Action Level exceedance for 1-hour TSP and one (1) Action Level exceedance for 24-hour TSP were recorded by the Environmental Team of Contract No. *HY*/2012/08 during the reporting period. The exceedances were considered not related to this Contract upon further investigation and the investigation report is presented in *Appendix J*. No action is required to be undertaken in accordance with the Event Action Plan as presented in *Appendix E*.

No exceedance of Action and Limit Levels was recorded for landfill gas hazard monitoring in the reporting month.

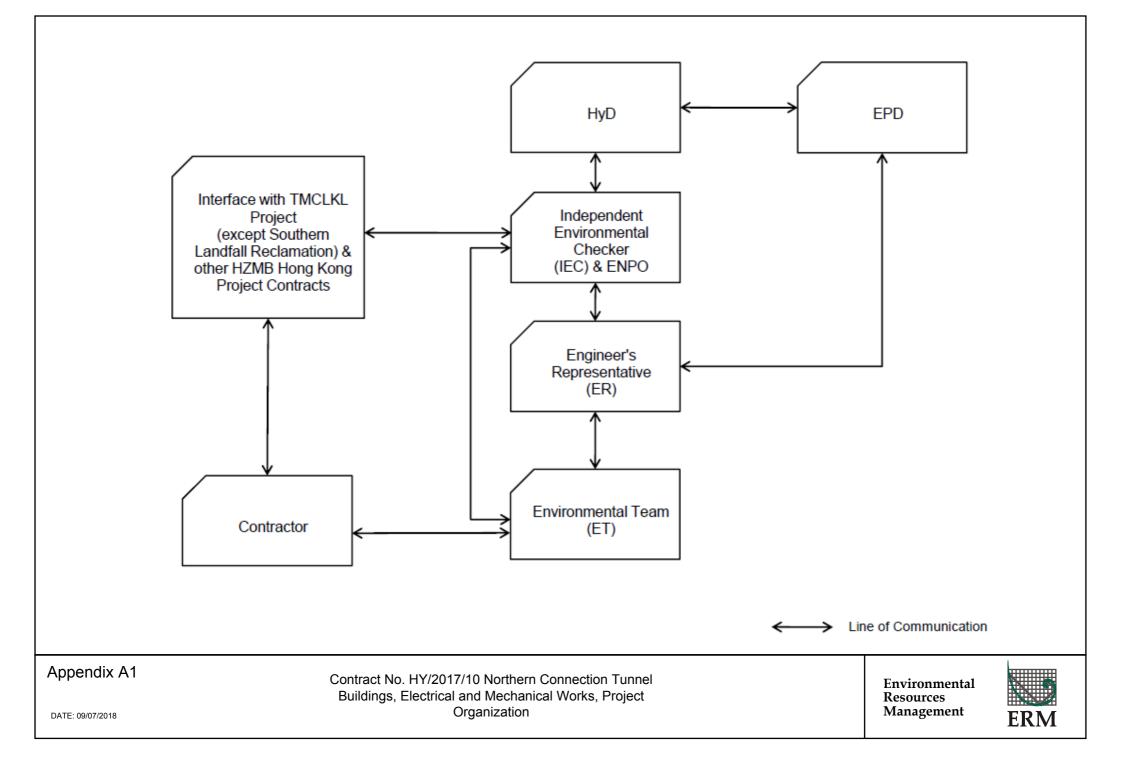
Environmental site inspection was carried out five (5) times in May 2019. Remedial actions recommended for the deficiencies identified during the site audits were properly implemented by the Contractor.

There were one (1) complaint received from EPD on dust nuisance at Northern Landfall on 22 May 2019 in the reporting period. Upon investigation, there were no adequate evidences to conclude that the complaint cases were related to this Contract and the investigation report is presented in *Appendix J*.

There was no notification of summons or successful prosecution recorded in the reporting period.

The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures. Appendix A

Project Organization for Environmental Works



Appendix B

Construction Programme

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	Activity	Duration	% Comp	Remaining		Finish			2019		
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ADB-EMD1345	Authorities Review and Comment of System Design of PV System	56	50%	28	05-Mar-19 A	21-Jun-19					
Fire Service System											
ADB-EMD1155	Authorities Review and Comment of FS Pump Head Calculation	56	50%	28	3 13-Aug-18 A	21-Jun-19					
ADB-EMD1175	Authorities Review and Comment of Sprinkler Pump Head Calculation	56	50%	28	3 13-Aug-18 A	21-Jun-19					
ADB-EMD1195	Authorities Review and Comment of FM200 System Design Calculation	56	50%	28	3 13-Aug-18 A	21-Jun-19		1			
Plumbing & Drainage S	stem										
ADB-EMD1215	Authorities Review and Comment of Pump Head Calculation	56	50%	28	25-Aug-18 A	21-Jun-19					
ADB-EMD1235	Authorities Review and Comment of Pressure Vessel Calculation	56	50%	28	3 25-Aug-18 A	21-Jun-19	 				
ADB-EMD1255	Authorities Review and Comment of Hot water system capacity calculation	56	50%	28	3 25-Aug-18 A	21-Jun-19					
North Ventilation Building					Ū						
MVAC System											
NVB-EMD1035	Authorities Review and Comment of Mechanical Ventilation Capacity Calculation	56	50%	28	8 26-Sep-18 A	21-Jun-19					
Electrical System							 				
NVB-EMD1055	Authorities Review and Comment of HV Electrical Loading Calculation	56	50%	28	3 26-Sep-18 A	21-Jun-19					
NVB-EMD1075	Authorities Review and Comment of UPS and Battery Capacity Calculations	56			3 17-Aug-18 A			1			
NVB-EMD1095	Authorities Review and Comment of Electrical Loading Demand Calculation	56	50%		3 03-Sep-18 A						
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Plumbing & Drainage Sy							 				
NVB-EMD1305	Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation	56	50%	28	07-Aug-18 A	21-Jun-19					
Maintenance Depot											
MVAC System											
MD-EMD1015	Authorities Review and Comment of AC Cooling Capacity Calculation	56	50%	28	3 17-Aug-18 A	21-Jun-19					
Electrical System							 				
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Fire Service System											
MD-EMD1115	Authorities Review and Comment of FS Pump Head Calculation	56	50%	28	3 14-Aug-18 A	21-Jun-19					
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Plumbing & Drainage S	stem										
MD-EMD1175	Authorities Review and Comment of Pump Head Calculation	56	50%	28	3 13-Aug-18 A	21-Jun-19					
MD-EMD1195	Authorities Review and Comment of Pressure Vessel Calculation	56	50%	28	3 13-Aug-18 A	21-Jun-19					
MD-EMD1215	Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation	56	50%	28	27-Aug-18 A	21-Jun-19					
Satellite Control Building							 				
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SCB-EMD1015	Authorities Review and Comment of AC Cooling Capacity Calculation	56	50%	28	8 17-Aug-18 A	21-Jun-19					
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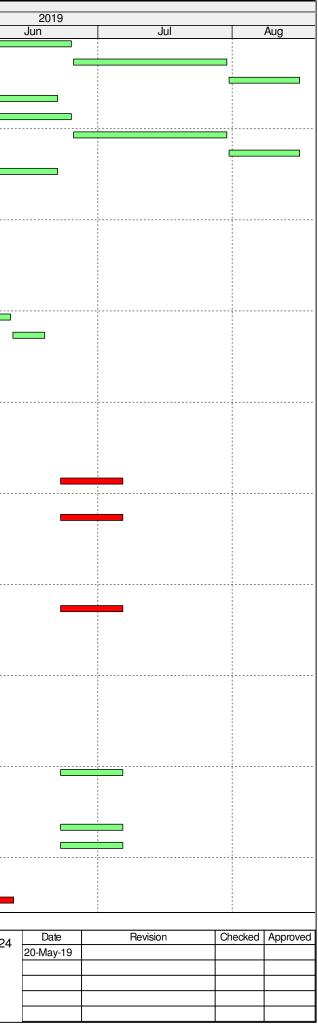
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									Fire Service System
				21-Jun-19	28 09-Aug-18 A	50%	56	Authorities Review and Comment of Foam system design calculation	VU-EMD1025
				I	U				Plumbing & Drainage S
				21-Jun-19	28 27-Sep-18 A	50%	56	Authorities Review and Comment of Pump Head Calculation	VU-EMD1045
									Tunnel Lighting System
				21-Jun-19	28 29-Aug-18 A	50%	56	Authorities Review and Comment of Design Proposal of Tunnel Lighting System (TLS)	VU-EMD1145
		_			28 31-Dec-18 A	50%	56	Authorities Review and Comment of Tunnel Lighting Lux Calculation	VU-EMD1165
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TUN-EMD1035	Authorities Review and Comment of Foam system design calculation	56	50%	28 09-Aug-18 A	21-Jun-19]	
TUN-EMD1115	Authorities Review and Comment of FS Pump Head Calculation	56	50%	28 11-Jan-19 A	21-Jun-19]	
TUN-EMD1132	Preparation and Resubmission of Sprinkler Pump Head Calculation	26	50%	13 22-Mar-19 A	03-Jun-19					
TUN-EMD1133	ER Review and Approval of Sprinkler Pump Head Calculation	13	0%	13 04-Jun-19	19-Jun-19	-				
TUN-EMD1135	Authorities Review and Comment of Sprinkler Pump Head Calculation	56	50%	28 25-Jan-19 A	21-Jun-19			1	1	
Plumbing & Drainage S										
TUN-EMD1185	Authorities Review and Comment of Drainage Sump Pumps and Pump Pits Calculation	56	50%	28 27-Sep-18 A	21-Jun-19				1	
Tunnel Lighting System										
TUN-EMD1075	Authorities Review and Comment of Design Proposal of Tunnel Lighting System (TLS)	56	50%	28 29-Aug-18 A	21- Jun-19]	
TUN-EMD1095	Authorities Review and Comment of Tunnel Lighting Lux Calculation	56	50%			_			1	
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Road Lighting System	Lt.D. (LOT) Deview and American Af Deview Dranged of Devid Linking Contains	00	00/	00 00 May 10	01 hut 10					
AR-EMD1015	HyD (LGT) Review and Approval of Design Proposal of Road Lighting System	28	0%	28 20-May-19	21-Jun-19				1	
CCMS, TCS and ELV System									_	
ELV-EMD1015	Authorities Review and Comment of System Design for Toll Control system	56	50%	28 27-Jul-18 A						
ELV-EMD1035	Authorities Review and Comment of System Design for CMCS	56	50%	· ·]	
ELV-EMD1055	Authorities Review and Comment of System Design for other ELV systems	56	50%	28 02-Oct-18 A	21-Jun-19]	
Major Material Submissior	n & Approval									
GEN-EMM1020	Authorities Review and Comment of Technical Info Miscellaneous 1st fix Materials/ Equipment	28	50%	14 31-May-18 A	04-Jun-19					
GEN-EMM1050	Authorities Review and Comment of Technical Info Miscellaneous 2nd fix Materials/ Equipment	28	50%	14 20-May-18 A	04-Jun-19					
GEN-EMM1080	Authorities Review and Comment of Technical Info Miscellaneous final fix Materials/ Equipment	28	50%	14 02-Jul-18 A	04-Jun-19					
MVAC System										
MVAC-EMM1015	Authorities Review and Comment of Technical Info Chiller	56	50%	28 14-Jun-18 A	21-Jun-19				1	
MVAC-EMM1035	Authorities Review and Comment of Technical Info Chilled Water Pump	56	50%	28 12-Jun-18 A		-]	
MVAC-EMM1055	Authorities Review and Comment of Technical Info Cooling Tower	56	50%	28 11-Jun-18 A		_		1		
MVAC-EMM1075	Authorities Review and Comment of Technical Info Computer Room AC (CRAC) Unit	56	50%	28 19-Jul-18 A					· · · · · · · · · · · · · · · · · · ·	
MVAC-EMM1095	Authorities Review and Comment of Technical Info AHU & PAU	56	50%	•						
MVAC-EMM1115	Authorities Review and Comment of Technical Info Staircase Pressurization Fan	56	50%	28 17-Jul-18 A	21-Jun-19				J	
Electrical System										
ELE-EMM1075	Authorities Review and Comment of Technical Info HV Cables	56	50%	•				1]	
ELE-EMM1155	Authorities Review and Comment of Technical Info UPS and Battery	28	50%	14 26-Nov-18 A	04-Jun-19					
ELE-EMM1175	Authorities Review and Comment of Technical Info MCB & MCCB & Distribution Board	28	50%	14 04-Dec-18 A	04-Jun-19					
ELE-EMM1215	ER Review and Approval of Technical Info PV System	13	50%	7 04-Apr-19 A	27-May-19					
ELE-EMM1225	Authorities Review and Comment of Technical Info PV System	56	50%	28 05-Mar-19 A	21-Jun-19			1	1	
Fire Service System										
FS-EMM1015	Authorities Review and Comment of Technical Info FM200	56	50%	28 20-Aug-18 A	21-Jun-19				1	
FS-EMM1095	Authorities Review and Comment of Technical Info FR/ HR system	56	50%	28 24-Sep-18 A]	
FS-EMM1115	Authorities Review and Comment of Technical Info Gas detection	56	50%	· ·					1	
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Plumbing & Drainage Syst		50	E00/		01 lun 10				1	
PD-EMM1015	Authorities Review and Comment of Technical Info Sump Pump	56	50%							
PD-EMM1033	ER Review and Approval of Technical Info Hot Water System	13	50%		-					
PD-EMM1035	Authorities Review and Comment of Technical Info Hot Water System	56	50%	28 11-Nov-18 A						
PD-EMM1055	Authorities Review and Comment of Technical Info LMCP (PD)	56	50%	28 16-Jan-19 A	21-Jun-19				1	
Tunnel Ventilation System										
TVS-EMM1035	Authorities Review and Comment of Technical Info Pressurization Fan	56	50%	28 19-Jul-18 A	21-Jun-19]	
TVS-EMM1105	Authorities Review and Comment of Technical Info AQMS Equipment	56	50%	28 29-Oct-18 A	21-Jun-19				1	
TVS-EMM1155	Authorities Review and Comment of Technical Info MFSD	56	50%	28 26-Jul-18 A	21-Jun-19]	
Tunnel and Road Lighting	System									
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TRLS-EMM1035	Authorities Review and Comment of Technical Info Road Lighting Fitting	56	50%	28 09-Oct-18 A	21-Jun-19	May	Jun	Jul	Auç
CCMS, TCS and ELV Syster			0070						
ELV-EMM1013	ER Review and Approval of Technical Info CMCS Equipment	40	80%	8 22-Jan-19 A	28-May-19				
ELV-EMM1020	Authorities Review and Comment of Technical Info CMCS Equipment	56	50%	28 09-Oct-18 A					
ELV-EMM1040	ER Review and Approval of Technical Info TCS Equipment	40	80%	8 28-Dec-18 A					
ELV-EMM1050	Authorities Review and Comment of Technical Info TCS Equipment	56	50%	28 09-Oct-18 A					
ELV-EMM1073	ER Review and Approval of Technical Info other ELV Equipment	40	80%	8 19-Mar-19 A					
ELV-EMM1080	Authorities Review and Comment of Technical Info other ELV Equipment	56		28 15-Oct-18 A					
Drawing Submission & App	• •								
North Ventilation Building									
Individual Shop Drawing									
NVB-ISD1090	Authorities Review and Approval of NVB ISD - 2nd batch	28	50%	14 27-Sep-18 A	04-Jun-19				
Satellite Control Building				· ·					
Individual Shop Drawing	a a								
SCB-ISD1010	ER Review and Comment of SCB ISD 1st batch	12	95%	1 11-Aug-18 A	20-May-19				
SCB-ISD1020	Preparation and Resubmission of SCB ISD 1st batch	12	95%	1 04-Jan-19 A	-	I			
SCB-ISD1030	ER Review and Approval of SCB ISD 1st batch	7	95%	0 04-Jan-19 A	-				
SCB-ISD1040	Authorities Review and Comment of SCB ISD 1st batch	28	50%	14 10-Aug-18 A	-				
SCB-ISD1060	ER Review and Comment of SCB ISD 2nd batch	12	95%	1 11-Aug-18 A					
SCB-ISD1070	Preparation and Resubmission of SCB ISD 2nd batch	12	95%	1 04-Jan-19 A	-				
SCB-ISD1080	ER Review and Approval of SCB ISD 2nd batch	7	95%	0 04-Jan-19 A	-				
SCB-ISD1090	Authorities Review and Comment of SCB ISD 2nd batch	28		14 10-Aug-18 A					
Costom & Excise Departm			0070						
Structural, Electrical &									
CEDB-SEM1020	Preparation and Resubmission of C&EDB SEM	12	50%	6 10-Apr-19 A	25-May-19				
CEDB-SEM1030	ER Review and Approval of C&EDB SEM	7	50%	4 10-Apr-19 A	-				
Individual Shop Drawing		· · ·	0070						
CEDB-ISD1040	Authorities Review and Comment of C&EDB ISD 1st batch	28	50%	14 06-Sep-18 A	04-Jun-19				
CEDB-ISD1090	Authorities Review and Comment of C&EDB ISD 2nd batch	28		14 06-Sep-18 A					,
South Ventilation Building			0070						
Individual Shop Drawing									
SVB-ISD1000	Submission of SVB ISD 1st batch	15	50%	8 20-Sep-18 A	28-May-19				
SVB-ISD1000	ER Review and Comment of SVB ISD 1st batch	13	50%	6 21-Sep-18 A	-				
SVB-ISD1020	Preparation and Resubmission of SVB ISD 1st batch	12	0%	12 27-May-19					
SVB-ISD1020	ER Review and Approval of SVB ISD 1st batch	7	0%	7 11-Jun-19	18-Jun-19				
SVB-ISD1050	Submission of SVB ISD 2nd batch	15		8 05-Sep-18 A					
SVB-ISD1060	ER Review and Comment of SVB ISD 2nd batch	13	50%	6 07-Dec-18 A					
SVB-ISD1000	Preparation and Resubmission of SVB ISD 2nd batch	12			10-Jun-19				
SVB-ISD1070	ER Review and Approval of SVB ISD 2nd batch	7	0%	7 11-Jun-19	18-Jun-19				
Structural, Electrical &			0 /0	7 11-5011-19	10-0011-19				
SVB-SEM2020	Preparation and Resubmission of SVB SEM	10	50%	6 10-Apr-19 A	25 May 10				
SVB-SEM2030	ER Review and Approval of SVB SEM	12	0%	7 27-May-19	-				
			U%	/ ∠/-IVIay-19	02-3011-19				
Tunnel									
Individual Shop Drawing TUN-ISD1060	ER Review and Comment of Tunnel ISD 2nd batch	20	85%	5 16-Aug-18 A	24-May-19				
TUN-ISD1060	Preparation and Resubmission of Tunnel ISD 2nd batch	30	85%	5 16-Aug-18 A 5 16-Feb-19 A					
		30							
TUN-ISD1080	ER Review and Approval of Tunnel ISD 2nd batch	15		2 29-Aug-18 A	-				
TUN-ISD1090	Authorities Review and Comment of Tunnel ISD 2nd batch	28	50%	14 16-Aug-18 A	04-Jun-19				
							Date	Revision	Checked A
		CONTRACT N					P 5/24 20-May-19		
	NORTHERN	UNNEL CONNE	CTION B	UILDING E&M WO	ORKS				+ +
	THREE MO	ONTHI Y PROGE	RAMME A	S OF 20 MAY 201	9				
					•				

	Activity	Duration (Days)	% Comp	Remaining Duration		Finish	 May	
TUN-ISD1110	ER Review and Comment of Tunnel ISD 3rd batch	30	0%	30	20-May-19	24-Jun-19		
TUN-ISD1120	Preparation and Resubmission of Tunnel ISD 3rd batch	30	0%		25-Jun-19	30-Jul-19		
TUN-ISD1130	ER Review and Approval of Tunnel ISD 3rd batch	15	0%		31-Jul-19	16-Aug-19		
TUN-ISD1140	Authorities Review and Comment of Tunnel ISD 3rd batch	28	0%		10-Dec-18 A			-
TUN-ISD1160	ER Review and Comment of Tunnel ISD 4th batch	30	0%		20-May-19	24-Jun-19		
TUN-ISD1170	Preparation and Resubmission of Tunnel ISD 4th batch	30	0%		25-Jun-19	30-Jul-19	 	
TUN-ISD1180	ER Review and Approval of Tunnel ISD 4th batch	15	0%		31-Jul-19	16-Aug-19		
TUN-ISD1190	Authorities Review and Comment of Tunnel ISD 4th batch	28	0%		31-Oct-18 A			
Fire Services Department			0,0			21 0011 10		
Individual Shop Drawing	-							
FSDB-ISD1040	Authorities Review and Comment of FSDB ISD 1st batch	28	50%	14	05-Sep-18 A	04-Jun-19		
FSDB-ISD1090	Authorities Review and Comment of FSDB ISD 2nd batch	28	50%		05-Sep-18 A			_
Vehicular Underpass		20	0070			o roun ro		
Individual Shop Drawing	r							
VU-ISD1060	ER Review and Comment of Vehicular Underpass ISD 2nd batch	12	50%	6	03-Apr-19 A	25-May-19		
VU-ISD1000	Preparation and Resubmission of Vehicular Underpass ISD 2nd batch	12	0%		27-May-19	10-Jun-19	 ·····	
VU-ISD1080	ER Review and Approval of Vehicular Underpass ISD 2nd batch	7	0%		11-Jun-19	18-Jun-19		
VU-ISD1090	Authorities Review and Comment of Vehicular Underpass ISD 2nd batch	28	50%		02-Apr-19 A			
M Procurement	Autionales neview and comment of venicular onderpass iso zha baten	20	50%	14	02-Api-19A	04-5011-19		
Design Related Procrueme	ant							
Toll Control Building						· · · · ·	 	
MVAC System								
TCB-PO1040	Place Order - AHU & PAU	12	50%	6	16-Mar-19 A	25 May 10		
Plumbing & Drainag		12	50%	0	10-111a1-19 A	23-1viay-19		
TCB-PO1100	Place Order - Hot Water System	12	0%	10	22-Jun-19	06-Jul-19		
CCMS, TCS and ELV	-	12	0 /0	12	22-Juli-19	00-501-19	 	
TCB-PO1150	Place Order - TCS Equipment	12	0%	10	22-Jun-19	06-Jul-19		
		12	0 /0	12	22-Juli-19	00-501-19		
Administration Building								
ADB-PO1040	Place Order - AHU & PAU	10	50%	6	16 Mar 10 A	25 May 10		
Plumbing & Drainag		12	50%	0	16-Mar-19 A	25-1viay-19	 	
		10	00/	10	00 1.00 10	00 101 10		
ADB-PO1100	Place Order - Hot Water System	12	0%	12	22-Jun-19	06-Jul-19		
Maintenance Depot MVAC System								
MD-PO1000	Diago Order AULL & DALL	10	E00/	~	16 Mar 10 A	25 May 10		
	Place Order - AHU & PAU	12	50%	6	16-Mar-19 A	20-1Vlay-19	 	
Costom & Excise Depart	tment Building							
MVAC System	Diago Order AULUS DALL	~	E00/	^	16 May 10 4	OF Mov 10		
CEDB-PO1000	Place Order - AHU & PAU	12	50%	6	16-Mar-19 A	25-1viay-19		
Vehicular Underpass								
Fire Service System		10	00/	4.0	00 her 10	00. 1.1.10	 	
VU-PO1040	Place Order - Gas detection	12	0%	12	22-Jun-19	06-Jul-19		
Tunnel								
Fire Service System			1		00 L 17			
TUN-PO1015	Place Order - Gas detection	12	0%		22-Jun-19	06-Jul-19		
TUN-PO1020	Place Order - FS Pump	12	0%	12	22-Jun-19	06-Jul-19	 	
M Manufacture & Delive	ery							
Toll Control Building								
TCB-MD1260	Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment	45	50%	23	17-Nov-18 A	11-Jun-19		_

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ID	Activity	Duration (Days)	% Comp	Remaining S	Start	Finish			
								May	
TCB-MD1270	Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment	45	50%	23 (02-Dec-18 A	11-Jun-19			
MVAC System									
TCB-MD1010	Manufacture & Delivery to HK - Chiller	150	65%		07-Mar-19 A				
TCB-MD1020	Manufacture & Delivery to HK - Chilled Water Pump	100	90%		06-Mar-19 A	-			
TCB-MD1030	Manufacture & Delivery to HK - Computer Room Air Conditioning (CRAC) Unit	120	55%		15-May-19 A				
TCB-MD1040	Manufacture & Delivery to HK - Cooling Tower (R/F)	100	75%		06-Mar-19 A				
TCB-MD1050	Manufacture & Delivery to HK - AHU & PAU	90	0%	90 2	26-May-19	23-Aug-19			
Electrical System									
TCB-MD1060	Manufacture - LV Switchboard	86	50%		02-Apr-19 A				
TCB-MD1062	FAT - LV Switchboard	10	0%		02-Jul-19	11-Jul-19			
TCB-MD1065	Shipping to HK - LV Switchboard	14	0%	14 1	12-Jul-19	25-Jul-19			
TCB-MD1070	Manufacture - Generator	118	35%	77 (02-Apr-19 A	04-Aug-19			
TCB-MD1072	FAT - Generator	4	0%	4 (04-Aug-19	08-Aug-19			
TCB-MD1075	Shipping to HK - Generator	28	0%	28 (08-Aug-19	05-Sep-19			
TCB-MD1080	Manufacture - UPS and Battery	53	30%	37 1	19-Mar-19 A	26-Jun-19			
TCB-MD1082	FAT - UPS and Battery	10	0%	10 2	26-Jun-19	06-Jul-19			
TCB-MD1085	Shipping to HK - UPS and Battery	42	0%	42 (06-Jul-19	17-Aug-19			
TCB-MD1090	Manufacture & Delivery to HK - MCB & MCCB and Distribution Board	60	60%	24 (04-Mar-19 A	12-Jun-19			
TCB-MD1100	Manufacture & Delivery to HK - LV Cables	120	60%	48 2	20-Nov-18 A	06-Jul-19			
TCB-MD1280	Manufacture & Delivery to HK - PV System Equipment	60	0%	60 2	20-May-19	18-Jul-19			
Fire Service System									
TCB-MD1150	Manufacture & Delivery to HK - FM200	150	40%	90 2	24-Dec-18 A	17-Aug-19			
TCB-MD1160	Manufacture & Delivery to HK - AFA System	100	60%	40 (02-Mar-19 A	28-Jun-19			
TCB-MD1170	Manufacture & Delivery to HK - FS Pump	120	85%	18 1	19-Mar-19 A	06-Jun-19	1		
TCB-MD1180	Manufacture & Delivery to HK - FR/ HR system	90	80%	18 (02-Mar-19 A	06-Jun-19			
TCB-MD1190	Manufacture & Delivery to HK - LMCP (FS)	60	0%	60 2	20-May-19	18-Jul-19			
Plumbing & Drainage Sy	/stem								
TCB-MD1110	Manufacture & Delivery to HK - Sump Pump	120	60%	48 2	29-Mar-19 A	06-Jul-19			
TCB-MD1120	Manufacture & Delivery to HK - Hot Water System	120	0%	120 (07-Jul-19	03-Nov-19			
TCB-MD1130	Manufacture & Delivery to HK - LMCP (PD)	60	0%	60 2	20-May-19	18-Jul-19			
TCB-MD1140	Manufacture & Delivery to HK - Water Pump	90	60%		29-Mar-19 A	24-Jun-19			
Lift System	· · ·								
TCB-MD1000	Manufacture & Delivery to HK - Lift System	120	20%	96 (03-Apr-19 A	23-Aug-19			
CCMS, TCS and ELV Syst	tem				•	0			
TCB-MD1200	Manufacture - CMCS Equipment	62	10%	56 2	20-Apr-19 A	14-Jul-19	1		
TCB-MD1202	FAT - CMCS Equipment	7	0%		' 14-Jul-19	21-Jul-19			
TCB-MD1205	Shipping to HK - CMCS Equipment	14	0%		21-Jul-19	04-Aug-19			
TCB-MD1210	Manufacture - TCS Equipment	62	0%		07-Jul-19	06-Sep-19			
TCB-MD1220	Manufacture & Delivery to HK - other ELV Equipment	83	0%		20-May-19	10-Aug-19			
Administration Building						·····g···			
ADB-MD1280	Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment	45	80%	9 1	16-Jan-19 A	28-May-19			
ADB-MD1290	Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment	45	40%		26-Feb-19 A				
ADB-MD1300	Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment	45	40%		02-Mar-19 A				
Electrical System		+5	-10 /0	21		10 001119			
ADB-MD1060	Manufacture & Delivery to HK - Busduct	60	65%		15-Feb-19 A	09 Jun-10			
ADB-MD1000	Manufacture - LV Switchboard	86	50%		02-Apr-19 A				
ADB-MD1070	FAT - LV Switchboard	10	0%		02-Api-19A 02-Jul-19	11-Jul-19			
ADB-MD1072	Shipping to HK - LV Switchboard	10	0%		12-Jul-19	25-Jul-19			
		14	U /0	14	1 - 0 UI- 1 J	20 001-13			

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D	Activity	Duration (Days)	% Comp	Remaining Start Duration	Finish		
ADB-MD1080	Manufacture - Generator	118	35%	77 02-Apr-19 A	04-400-19	May	
ADB-MD1082	FAT - Generator	4	0%	4 04-Aug-19	08-Aug-19		
ADB-MD1085	Shipping to HK - Generator	28	0%	28 08-Aug-19	05-Sep-19		
ADB-MD1090	Manufacture - UPS and Battery	53	0%	53 20-May-19	11-Jul-19		
ADB-MD1092	FAT - UPS and Battery	10	0%	10 12-Jul-19	21-Jul-19		
ADB-MD1095	Shipping to HK - UPS and Battery	42	0%		01-Sep-19		
ADB-MD1100	Manufacture & Delivery to HK - MCB & MCCB and Distribution Board	60	60%	24 04-Mar-19 A	-		
ADB-MD1110	Manufacture & Delivery to HK - LV Cables	120	60%	48 20-Nov-18 A			
ADB-MD1310	Manufacture & Delivery to HK - PV System Equipment	60	0%		18-Jul-19		
MVAC System			0,0				
ADB-MD1010	Manufacture & Delivery to HK - Chiller	150	65%	53 06-Mar-19 A	11-Jul-19		
ADB-MD1020	Manufacture & Delivery to HK - Chilled Water Pump	100	60%	40 06-Mar-19 A			
ADB-MD1030	Manufacture & Delivery to HK - Computer Room Air Conditioning (CRAC) Unit	120	25%	90 15-May-19 A			
ADB-MD1040	Manufacture & Delivery to HK - AHU & PAU	90	0%	90 26-May-19			
ADB-MD1050	Manufacture & Delivery to HK - Cooling Tower	100	50%	50 06-Mar-19 A			
Fire Service System			0070				
ADB-MD1160	Manufacture & Delivery to HK - FM200	150	60%	60 24-Dec-18 A	18-Jul-19		
ADB-MD1170	Manufacture & Delivery to HK - AFA System	100	60%	40 02-Mar-19 A			
ADB-MD1180	Manufacture & Delivery to HK - FS Pump	120	70%	36 19-Mar-19 A			
ADB-MD1190	Manufacture & Delivery to HK - FR/ HR system	90	60%	36 02-Mar-19 A			
ADB-MD1200	Manufacture & Delivery to HK - LMCP (FS)	60	0%		18-Jul-19		
Plumbing & Drainage S							
ADB-MD1130	Manufacture & Delivery to HK - Hot Water System	120	0%	120 07-Jul-19	03-Nov-19		
ADB-MD1140	Manufacture & Delivery to HK - LMCP (PD)	60	0%	60 20-May-19	18-Jul-19		
ADB-MD1150	Manufacture & Delivery to HK - Water Pump	90	50%	45 29-Mar-19 A			
CCMS and ELV System							
ADB-MD1210	Manufacture - CMCS Equipment	62	10%	56 20-Apr-19 A	14-Jul-19		
ADB-MD1212	FAT - CMCS Equipment	7	0%	7 14-Jul-19	21-Jul-19		
ADB-MD1215	Shipping to HK - CMCS Equipment	14	0%	14 21-Jul-19	04-Aug-19		
ADB-MD1220	Manufacture & Delivery to HK - other ELV Equipment	83	0%	83 20-May-19	10-Aug-19		·····
Lift System							
ADB-MD1000	Manufacture & Delivery to HK - Lift System	120	20%	96 03-Apr-19 A	23-Aug-19		
North Ventilation Building							
Electrical System							
NVB-MD1016	FAT - HV/LV Transformer	14	100%	0 09-May-19 A	10-May-19		
NVB-MD1018	Shipping to HK - HV/LV Transformer	14	50%	7 11-May-19 A	26-May-19		
NVB-MD1022	FAT - HV Switchboard	14	75%	4 29-Apr-19 A	23-May-19		
NVB-MD1025	Shipping to HK - HV Switchboard	14	0%	14 23-May-19	06-Jun-19		
NVB-MD1030	Manufacture - HV Cables	106	80%	21 05-Jan-19 A	10-Jun-19		
NVB-MD1035	Shipping to HK - HV Cables	14	0%	14 10-Jun-19	24-Jun-19		
NVB-MD1040	Manufacture - LV Switchboard	86	50%	43 02-Apr-19 A	01-Jul-19		
NVB-MD1042	FAT - LV Switchboard	10	0%	10 02-Jul-19	11-Jul-19		
NVB-MD1045	Shipping to HK - LV Switchboard	14	0%	14 12-Jul-19	25-Jul-19		
NVB-MD1050	Manufacture - Generator	118	35%	77 02-Apr-19 A	04-Aug-19		
NVB-MD1052	FAT - Generator	4	0%	4 04-Aug-19	08-Aug-19		
NVB-MD1055	Shipping to HK - Generator	28	0%	28 08-Aug-19	05-Sep-19		
NVB-MD1060	Manufacture - UPS and Battery	53	30%	37 19-Mar-19 A	26-Jun-19		
NVB-MD1062	FAT - UPS and Battery	10	0%	10 26-Jun-19	06-Jul-19		

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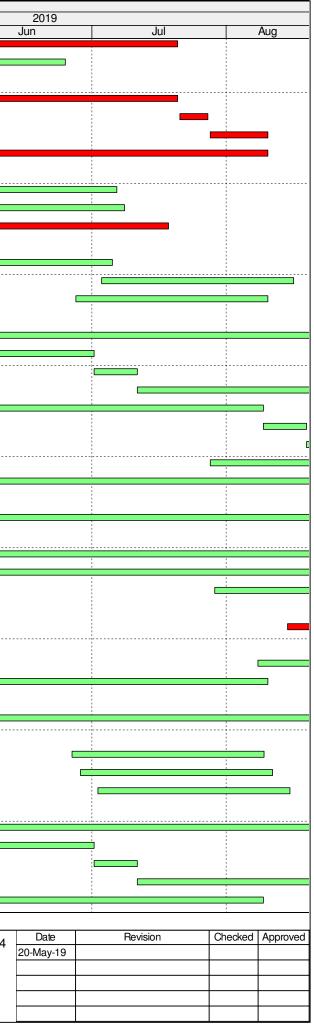
ID		Activity	Duration (Days)	% Comp	Remaining Duration	Start	Finish			
	NVB-MD1065	Shipping to HK - UPS and Battery	42	0%	12	06-Jul-19	17-Aug-19	M	ay	
	NVB-MD1000	Manufacture & Delivery to HK - MCB & MCCB and Distribution Board	60	60%		04-Mar-19 A				
	NVB-MD1080	Manufacture & Delivery to HK - Busduct	60	60%		15-Feb-19 A				
	NVB-MD1090	Manufacture - LV Cables	106	80%		20-Nov-18 A				
	NVB-MD1095	Shipping to HK - LV Cables	14	0%		10-Jun-19	24-Jun-19			
	MVAC System			0,0			21001110			
	NVB-MD1180	Manufacture - Tunnel Ventilation Fan	180	85%	27	29-Nov-18 A	15-Jun-19			
	NVB-MD1190	FAT - Tunnel Ventilation Fan	15	100%		06-May-19 A				
	NVB-MD1200	Shipping to HK - Tunnel Ventilation Fan	45	0%		16-Jun-19	30-Jul-19			
	NVB-MD1210	Manufacture & Delivery to HK - Staircase Pressurization Fan	60	0%		20-May-19	18-Jul-19			
	Fire Service System			0,0		20 11.03 10	10 00. 10			
	NVB-MD1130	Manufacture & Delivery to HK - FM200	150	60%	60	24-Dec-18 A	18-Jul-19			
	NVB-MD1140	Manufacture & Delivery to HK - AFA System	100	60%		02-Mar-19 A				
	NVB-MD1150	Manufacture & Delivery to HK - FR/ HR system	90	60%		02-Mar-19 A				
	NVB-MD1160	Manufacture & Delivery to HK - FS Pump	120	90%		19-Mar-19 A				
	NVB-MD1170	Manufacture & Delivery to HK - LMCP (FS)	60	0%		20-May-19	18-Jul-19			
	Plumbing & Drainage Sy									
	NVB-MD1100	Manufacture & Delivery to HK - Sump Pump	120	60%	48	29-Mar-19 A	06-Jul-19			
	NVB-MD1110	Manufacture & Delivery to HK - LMCP (PD)	60	0%	60	20-May-19	18-Jul-19			:
	NVB-MD1120	Manufacture & Delivery to HK - Water Pump	90	45%		29-Mar-19 A				
	CCMS and ELV System					20 1110. 1071				
	NVB-MD1220	Manufacture - CMCS Equipment	62	10%	56	20-Apr-19 A	14-Jul-19			
	NVB-MD1222	FAT - CMCS Equipment	7	0%		14-Jul-19	21-Jul-19			
	NVB-MD1225	Shipping to HK - CMCS Equipment	14	0%		21-Jul-19	04-Aug-19			
	NVB-MD1230	Manufacture - other ELV Equipment	62	0%		20-May-19	20-Jul-19			
	NVB-MD1232	FAT - other ELV Equipment	7	0%		21-Jul-19	27-Jul-19			
	NVB-MD1235	Shipping to HK - other ELV Equipment	14	0%		28-Jul-19	10-Aug-19			
	Lift System						g			
	NVB-MD1000	Manufacture & Delivery to HK - Lift System	120	20%	96	03-Apr-19 A	23-Aug-19			
	Maintenance Depot						3 -			
	MD-MD1155	Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment	45	80%	9	15-Feb-19 A	28-May-19			
	MD-MD1165	Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment	45	40%		20-Mar-19 A				
	MD-MD1175	Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment	45	40%		25-Mar-19 A				
	Electrical System									
	MD-MD1010	Manufacture - Generator	118	35%	77	02-Apr-19 A	04-Aug-19			
	MD-MD1012	FAT - Generator	4	0%		04-Aug-19	08-Aug-19			
	MD-MD1015	Shipping to HK - Generator	28	0%		08-Aug-19	05-Sep-19			
	MD-MD1020	Manufacture - LV Switchboard	86	50%		02-Apr-19 A	01-Jul-19			
	MD-MD1022	FAT - LV Switchboard	10	0%		02-Jul-19	11-Jul-19			
	MD-MD1025	Shipping to HK - LV Switchboard	14	0%		12-Jul-19	25-Jul-19			
	MD-MD1030	Manufacture & Delivery to HK - MCB & MCCB and Distribution Board	60	40%	36	04-Mar-19 A	24-Jun-19			
	MD-MD1040	Manufacture & Delivery to HK - LV Cables	120	50%		20-Nov-18 A			·····	
	MVAC System									
	MD-MD1000	Manufacture & Delivery to HK - AHU & PAU	90	0%	90	26-May-19	23-Aug-19		-	
	Fire Service System						-			
	MD-MD1080	Manufacture & Delivery to HK - FM200	150	60%	60	24-Dec-18 A	18-Jul-19			
	MD-MD1090	Manufacture & Delivery to HK - FS Pump	120	70%		19-Mar-19 A				
	MD-MD1100	Manufacture & Delivery to HK - AFA System	100	60%	40	02-Mar-19 A	28-Jun-19		_	
			1			1	1	;	I	;

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Image: Normal Section 100 (Normal Section 2) Image: Normal Section 2) <th></th>	
MD-MD1120 Manufacture & Delivery to HK - FR/ HR system 90 60% 36 02-Mar.19 A 24-Jun.19 CCMS and ELV System CCMS and ELV System 62 0% 62 20-May.19 20-Jul.19 MD-MD1130 Manufacture - CMCS Equipment 62 0% 62 20-May.19 20-Jul.19 MD-MD1132 FAT - CMCS Equipment 14 0% 14 28-Jul.19 27-Jul.19 MD-MD1135 Shipping to HK - CMCS Equipment 14 0% 14 28-Jul.19 10-Aug.19 MD-MD1140 Manufacture & Delivery to HK - other ELV Equipment 83 0% 83 20-May.19 10-Aug.19 Plumbing & Drainage System MD-MD1050 Manufacture & Delivery to HK - Sump Pump 120 60% 48 29-Mar.19A 06-Jul.19	
CCMS and ELV System MD-MD1130 Manufacture - CMCS Equipment 62 0% 62 20-May-19 20-Jul-19 MD-MD1132 FAT - CMCS Equipment 7 0% 7 21-Jul-19 27-Jul-19 MD-MD1135 Shipping to HK - CMCS Equipment 14 0% 14 28-Jul-19 10-Aug-19 MD-MD1140 Manufacture & Delivery to HK - other ELV Equipment 83 0% 83 20-May-19 10-Aug-19 Plumbing & Drainage System MD-MD1050 Manufacture & Delivery to HK - Sump Pump 120 60% 48 29-Mar-19 A 06-Jul-19	
MD-MD1130 Manufacture - CMCS Equipment 62 0% 62 20-May-19 20-Jul-19 MD-MD1132 FAT - CMCS Equipment 7 0% 7 21-Jul-19 27-Jul-19 MD-MD1135 Shipping to HK - CMCS Equipment 14 0% 14 28-Jul-19 10-Aug-19 MD-MD1140 Manufacture & Delivery to HK - other ELV Equipment 83 0% 83 20-May-19 10-Aug-19 Plumbing & Drainage System MD-MD1050 Manufacture & Delivery to HK - Sump Pump 120 60% 48 29-Mar-19A 66-Jul-19	
MD-MD1132 FAT - CMCS Equipment 7 0% 7 21-Jul-19 27-Jul-19 MD-MD1135 Shipping to HK - CMCS Equipment 14 0% 14 28-Jul-19 10-Aug-19 MD-MD1140 Manufacture & Delivery to HK - other ELV Equipment 83 0% 83 20-May-19 10-Aug-19 Plumbing & Drainage System MD-MD1050 Manufacture & Delivery to HK - Sump Pump 120 60% 48 29-Mar-19 A 06-Jul-19	
MD-MD1135 Shipping to HK - CMCS Equipment 14 0% 14 28-Jul-19 10-Aug-19 MD-MD1140 Manufacture & Delivery to HK - other ELV Equipment 83 0% 83 20-May-19 10-Aug-19 Plumbing & Drainage System MD-MD1050 Manufacture & Delivery to HK - Sump Pump 120 60% 48 29-Mar-19A 06-Jul-19	
MD-MD1140 Manufacture & Delivery to HK - other ELV Equipment 83 0% 83 20-May-19 10-Aug-19 Plumbing & Drainage System Monufacture & Delivery to HK - Sump Pump 120 60% 48 29-Mar-19 A 06-Jul-19	
Plumbing & Drainage System MD-MD1050 Manufacture & Delivery to HK - Sump Pump 120 60% 48 29-Mar-19 A 06-Jul-19	
MD-MD1050 Manufacture & Delivery to HK - Sump Pump 120 60% 48 29-Mar-19 A 06-Jul-19	
MD-MD1060 Manufacture & Delivery to HK - Water Pump 90 45% 50 29-Mar-19 A 08-Jul-19	_
MD-MD1070 Manufacture & Delivery to HK - LMCP (PD) 60 0% 60 20-May-19 18-Jul-19	_
Satellite Control Building	
SCB-MD1175 Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment 45 0% 45 22-May-19 05-Jul-19	
SCB-MD1185 Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment 45 0% 45 03-Jul-19 16-Aug-19	
SCB-MD1195Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment450%4527-Jun-1910-Aug-19	
Electrical System	
SCB-MD1020 Manufacture - Generator 118 5% 112 17-Apr-19 A 09-Sep-19	
SCB-MD1030 Manufacture - UPS and Battery 53 20% 42 26-Mar-19 A 01-Jul-19	
SCB-MD1032 FAT - UPS and Battery 10 0% 10 01-Jul-19 11-Jul-19	
SCB-MD1035 Shipping to HK - UPS and Battery 42 0% 42 11-Jul-19 22-Aug-19	
SCB-MD1040 Manufacture - LV Switchboard 86 5% 82 17-Apr-19 A 09-Aug-19	
SCB-MD1042 FAT - LV Switchboard 10 0% 10 09-Aug-19 19-Aug-19	
SCB-MD1045 Shipping to HK - LV Switchboard 14 0% 14 19-Aug-19 02-Sep-19	
SCB-MD1050 Manufacture & Delivery to HK - MCB & MCCB and Distribution Board 60 0% 60 28-Jul-19 25-Sep-19	
SCB-MD1060 Manufacture & Delivery to HK - LV Cables 120 10% 108 20-Nov-18 A 04-Sep-19	
MVAC System	
SCB-MD1010 Manufacture & Delivery to HK - Computer Room Air Conditioning (CRAC) Unit 120 0% 120 20-May-19 16-Sep-19	
Fire Service System	
SCB-MD1100 Manufacture & Delivery to HK - FM200 150 0% 150 20-May-19 16-Oct-19	
SCB-MD1110 Manufacture & Delivery to HK - FS Pump 120 0% 120 20-May-19 16-Sep-19	
SCB-MD1120 Manufacture & Delivery to HK - AFA System 100 0% 100 29-Jul-19 05-Nov-19	_
Plumbing & Drainage System	
CCMS and ELV System SCB-MD1150 Manufacture - CMCS Equipment 62 0% 62 0%	
	_
SCB-MD1160 Manufacture & Delivery to HK - other ELV Equipment 83 0% 83 20-May-19 10-Aug-19	
SCB-MD1000 Manufacture & Delivery to HK - Lift System 120 20% 96 03-Apr-19 A 23-Aug-19	
Costom & Excise Department Building	
CEDB-MD1195 Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment 45 0% 45 26-Jun-19 09-Aug-19	_
CEDB-MD1205 Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment 45 0% 45 28-Jun-19 11-Aug-19	
CEDB-MD1215 Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment 45 0% 45 02-Jul-19 15-Aug-19	
Electrical System	
CEDB-MD1020 Manufacture - Generator 118 20% 94 17-Apr-19 A 22-Aug-19	
CEDB-MD1030 Manufacture - UPS and Battery 53 20% 42 26-Mar-19 A 01-Jul-19	
CEDB-MD1032 FAT - UPS and Battery 10 0% 10 01-Jul-19 11-Jul-19	
CEDB-MD1035 Shipping to HK - UPS and Battery 42 0% 42 11-Jul-19 22-Aug-19	
CEDB-MD1040 Manufacture - LV Switchboard 86 5% 82 17-Apr-19 A 09-Aug-19	

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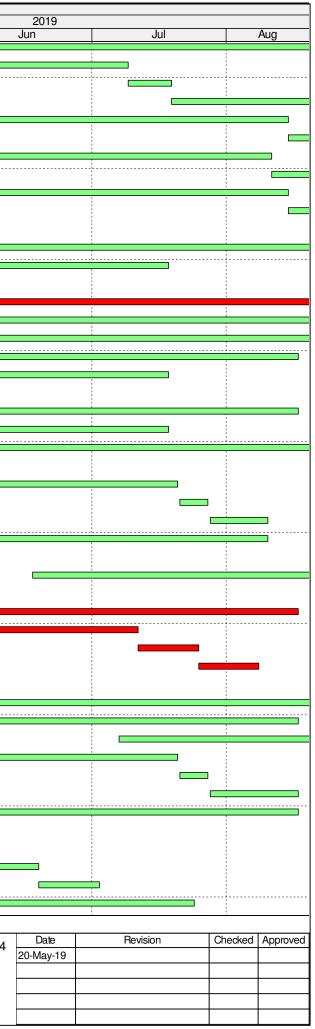
ID	Activity	Duration	% Comp	Remaining Start	Finish		
		(Days)		Duration		May	
CEDB-MD1042	FAT - LV Switchboard	10	0%	10 09-Aug-19	19-Aug-19		
CEDB-MD1045	Shipping to HK - LV Switchboard	14	0%	14 19-Aug-19	02-Sep-19		
CEDB-MD1050	Manufacture & Delivery to HK - LV Cables	120	10%	108 20-Nov-18	A 04-Sep-19		
CEDB-MD1060	Manufacture & Delivery to HK - MCB & MCCB and Distribution Board	60	0%	60 28-Jun-19	26-Aug-19		
MVAC System							
CEDB-MD1010	Manufacture & Delivery to HK - AHU & PAU	90	0%	90 25-Jun-19	22-Sep-19		
Fire Service System							
CEDB-MD1090	Manufacture & Delivery to HK - FM200	150	0%	150 20-May-19	16-Oct-19		
CEDB-MD1100	Manufacture & Delivery to HK - FS Pump	120	0%	120 20-May-19	16-Sep-19		
CEDB-MD1110	Manufacture & Delivery to HK - AFA System	100	0%	100 20-May-19	27-Aug-19		
CEDB-MD1120	Manufacture & Delivery to HK - LMCP (FS)	60	0%	60 11-Jul-19	08-Sep-19		
CEDB-MD1130	Manufacture & Delivery to HK - FR/ HR system	90	0%	90 23-Jul-19	20-Oct-19		
Plumbing & Drainage Sy	stem						
CEDB-MD1070	Manufacture & Delivery to HK - LMCP (PD)	60	0%	60 21-Jun-19	19-Aug-19		
CEDB-MD1080	Manufacture & Delivery to HK - Water Pump	90	0%	90 05-Aug-19	02-Nov-19		
CCMS and ELV System							
CEDB-MD1170	Manufacture - CMCS Equipment	62	0%	62 19-Jul-19	18-Sep-19		
CEDB-MD1180	Manufacture & Delivery to HK - other ELV Equipment	83	0%	83 16-Jul-19	06-Oct-19		
Lift System							
CEDB-MD1000	Manufacture & Delivery to HK - Lift System	120	20%	96 03-Apr-19 A	23-Aug-19		
Fire Services Department I					U U		
FSDB-MD1155	Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment	45	0%	45 20-May-19	03-Jul-19		
FSDB-MD1165	Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment	45	0%	45 24-May-19			
FSDB-MD1175	Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment	45	0%	45 23-May-19		1	
Electrical System				,			
FSDB-MD1000	Manufacture - Generator	118	20%	94 17-Apr-19 /	22-Aug-19	······	
FSDB-MD1010	Manufacture - UPS and Battery	53	20%	42 26-Mar-19			
FSDB-MD1012	FAT - UPS and Battery	10	0%	10 01-Jul-19	11-Jul-19		
FSDB-MD1015	Shipping to HK - UPS and Battery	42	0%	42 11-Jul-19	22-Aug-19		
FSDB-MD1020	Manufacture - LV Switchboard	86	5%	82 17-Apr-19 A	•		
FSDB-MD1022	FAT - LV Switchboard	10	0%	10 09-Aug-19	19-Aug-19		
FSDB-MD1025	Shipping to HK - LV Switchboard	14	0%	14 19-Aug-19	02-Sep-19		
FSDB-MD1030	Manufacture & Delivery to HK - LV Cables	120	10%	108 20-Nov-18	•		
FSDB-MD1040	Manufacture & Delivery to HK - MCB & MCCB and Distribution Board	60	0%	60 28-Jul-19	25-Sep-19		
Fire Service System							
FSDB-MD1090	Manufacture & Delivery to HK - FS Pump	120	0%	120 01-Jun-19	28-Sep-19		
FSDB-MD1100	Manufacture & Delivery to HK - AFA System	100	0%	100 19-Jun-19	26-Sep-19		
FSDB-MD1185	Manufacture & Delivery to HK - FM200	150	0%	150 20-May-19	· · ·		
Plumbing & Drainage Sy		100	070	100 20 May 10	10 000 10		
FSDB-MD1060	Manufacture & Delivery to HK - Water Pump	90	0%	90 05-Aug-19	02-Nov-19	1	
FSDB-MD1070	Manufacture & Delivery to HK - LMCP (PD)	60	0%	60 10-Aug-19	08-Oct-19		
CCMS and ELV System			0 /0	00 10-Aug-19	00-001-13		
FSDB-MD1130	Manufacture - CMCS Equipment	60	0%	62 18-Aug-19	18-Oct-19	1	
		62	U70	02 10-Aug-19	10-001-19		
South Ventilation Building SVB-MD1225	Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment	ΛE	E00/	22 21 Mar 10	11_lup 10		
	Manufacture & Delivery to HK - Miscellaneous 1st fix Materials/ Equipment Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment	45	50%	23 21-Mar-19			
SVB-MD1235 SVB-MD1245	Manufacture & Delivery to HK - Miscellaneous 2nd fix Materials/ Equipment Manufacture & Delivery to HK - Miscellaneous final fix Materials/ Equipment	45	0%	45 20-May-19 45 20-May-19			
		45	0%	45 20-iviay-19	03-301-19		
Electrical System							

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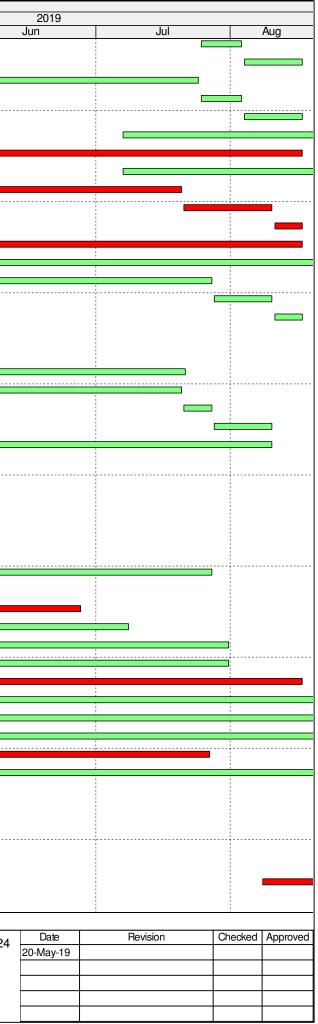
ID	Activity	Duration (Days)	% Comp	Remaining Start Duration	Finish		
SVB-MD1000	Manufacture - Generator	118	3%	114 17-Apr-19 A	11-Sen-19	May	
SVB-MD1010	Manufacture - UPS and Battery	53	5%	50 26-Mar-19 A	-		
SVB-MD1012	FAT - UPS and Battery	10	0%	10 09-Jul-19	19-Jul-19		
SVB-MD1012	Shipping to HK - UPS and Battery	42	0%	42 19-Jul-19	30-Aug-19	-	
SVB-MD1020	Manufacture - HV/LV Transformer	92	5%	87 16-May-19 A			
SVB-MD1022	FAT - HV/LV Transformer	14	0%	14 15-Aug-19	29-Aug-19	-	
SVB-MD1030	Manufacture - LV Switchboard	86	3%	83 17-Apr-19 A	-		
SVB-MD1032	FAT - LV Switchboard	10	0%	10 11-Aug-19	21-Aug-19		
SVB-MD1040	Manufacture - HV Switchboard	92	5%	87 16-May-19 A			
SVB-MD1042	FAT - HV Switchboard	14	0%	14 15-Aug-19	29-Aug-19	-	
MVAC System			070	11 10 Aug 10	Lo rug ro		
SVB-MD1170	Manufacture - Tunnel Ventilation Fan	180	35%	117 17-May-19 A	13-Sep-19		
SVB-MD1180	Manufacture & Delivery to HK - Staircase Pressurization Fan	60	0%	60 20-May-19	18-Jul-19		
Fire Service System							
SVB-MD1120	Manufacture & Delivery to HK - FM200	150	0%	150 20-May-19	16-Oct-19		
SVB-MD1130	Manufacture & Delivery to HK - FS Pump	120	0%	120 19-Mar-19 A	16-Sep-19		
SVB-MD1140	Manufacture & Delivery to HK - AFA System	100	0%	100 20-May-19	27-Aug-19	-	
SVB-MD1150	Manufacture & Delivery to HK - FR/ HR system	90	0%	90 20-May-19	17-Aug-19		
SVB-MD1160	Manufacture & Delivery to HK - LMCP (FS)	60	0%	60 20-May-19	18-Jul-19	-	
Plumbing & Drainage Sy							
SVB-MD1100	Manufacture & Delivery to HK - Water Pump	90	0%	90 29-Mar-19 A	17-Aug-19		
SVB-MD1110	Manufacture & Delivery to HK - LMCP (PD)	60	0%	60 20-May-19	18-Jul-19	_	
SVB-MD1255	Manufacture & Delivery to HK - Sump Pump	120	0%	120 29-Mar-19 A			
CCMS and ELV System							
SVB-MD1200	Manufacture - CMCS Equipment	62	0%	62 20-May-19	20-Jul-19		
SVB-MD1202	FAT - CMCS Equipment	7	0%	7 21-Jul-19	27-Jul-19	-	
SVB-MD1205	Shipping to HK - CMCS Equipment	14	0%	14 28-Jul-19	10-Aug-19	-	
SVB-MD1210	Manufacture & Delivery to HK - other ELV Equipment	83	0%	83 20-May-19	10-Aug-19		
Lift System					5		
SVB-MD1190	Manufacture & Delivery to HK - Lift System	120	0%	120 17-Jun-19	14-Oct-19		
Vehicular Underpass							
VU-MD1000	Manufacture & Delivery to HK - Pressurization Fan	90	0%	90 20-May-19	17-Aug-19		
VU-MD1010	Manufacture - Jet Fan	62	15%	53 19-Dec-18 A	11-Jul-19		
VU-MD1012	FAT - Jet Fan	14	0%	14 11-Jul-19	25-Jul-19		
VU-MD1015	Shipping to HK- Jet Fan	14	0%	14 25-Jul-19	08-Aug-19		
VU-MD1020	Manufacture & Delivery to HK - Tunnel Lighting System	100	90%	10 20-Dec-18 A	29-May-19		
VU-MD1030	Manufacture & Delivery to HK - Sump Pump	120	0%	120 20-May-19	16-Sep-19		
VU-MD1040	Manufacture & Delivery to HK - Water Pump	90	0%	90 20-May-19	17-Aug-19		
VU-MD1050	Manufacture & Delivery to HK - Gas detection	90	0%	90 07-Jul-19	04-Oct-19		
VU-MD1060	Manufacture - CMCS Equipment	62	0%	62 20-May-19	20-Jul-19		
VU-MD1062	FAT - CMCS Equipment	7	0%	7 21-Jul-19	27-Jul-19	_	
VU-MD1065	Shipping to HK - CMCS Equipment	21	0%	21 28-Jul-19	17-Aug-19		
VU-MD1070	Manufacture & Delivery to HK - other ELV Equipment	90	0%	90 20-May-19	17-Aug-19		
Tunnel					I	-	
TUN-MD1003	Manufacture - Tunnel Lighting System (2nd Batch)	66	70%	20 28-Jan-19 A	08-Jun-19		
TUN-MD1004	FAT - Tunnel Lighting System (2nd Batch)	10	0%	10 08-Jun-19	18-Jun-19		
TUN-MD1005	Shipping to HK - Tunnel Lighting System (2nd Batch)	14	0%	14 18-Jun-19	02-Jul-19		
TUN-MD1006	Manufacture - Tunnel Lighting System (3rd Batch)	66	0%	66 20-May-19	24-Jul-19		
		I			1	. <u>.</u>	

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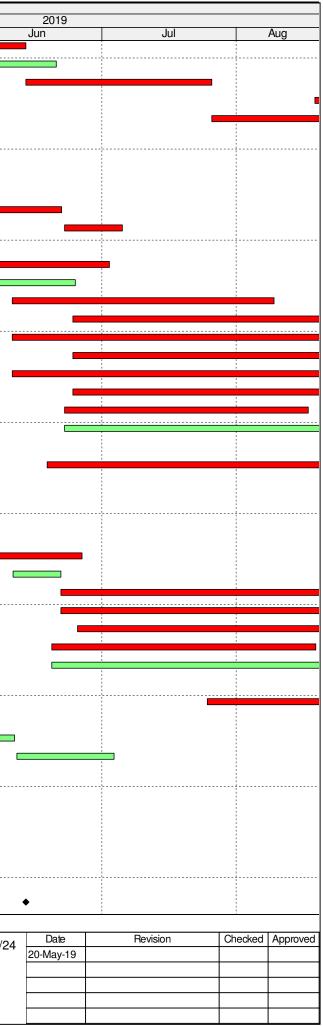
	Activity	Duration	% Comp	Remaining		Finish	•			
		(Days)		Duration				Мау		
TUN-MD1007	FAT - Tunnel Lighting System (3rd Batch)	10	0%	10	25-Jul-19	03-Aug-19		-		
TUN-MD1008	Shipping to HK - Tunnel Lighting System (3rd Batch)	14	0%	14	04-Aug-19	17-Aug-19				
TUN-MD1009	Manufacture - Tunnel Lighting System (4th Batch)	66	0%	66	20-May-19	24-Jul-19				
TUN-MD1010	FAT - Tunnel Lighting System (4th Batch)	10	0%	10	25-Jul-19	03-Aug-19				
TUN-MD1011	Shipping to HK - Tunnel Lighting System (4th Batch)	14	0%	14	04-Aug-19	17-Aug-19				
TUN-MD1015	Manufacture & Delivery to HK - Gas detection	90	0%	90	07-Jul-19	04-Oct-19				
TUN-MD1020	Manufacture & Delivery to HK - LHD system	90	0%	90	20-May-19	17-Aug-19				
TUN-MD1030	Manufacture & Delivery to HK - FS Pump	60	0%	60	07-Jul-19	04-Sep-19				
TUN-MD1040	Manufacture - CMCS Equipment	62	0%	62	20-May-19	20-Jul-19				
TUN-MD1042	FAT - CMCS Equipment	21	0%	21	21-Jul-19	10-Aug-19				
TUN-MD1045	Shipping to HK - CMCS Equipment	7	0%	7	11-Aug-19	17-Aug-19				
TUN-MD1050	Manufacture & Delivery to HK - other ELV Equipment	90	0%	90	20-May-19	17-Aug-19				<u> </u>
TUN-MD1060	Manufacture & Delivery to HK - Sump Pump	120	0%	120	20-May-19	16-Sep-19				
TUN-MD1070	Manufacture - AQMS Equipment	69	0%	69	20-May-19	27-Jul-19				
TUN-MD1080	FAT - AQMS Equipment	14	0%	14	28-Jul-19	10-Aug-19				
TUN-MD1090	Shipping to HK - AQMS Equipment	7	0%	7	11-Aug-19	17-Aug-19				
TUN-MD1120	Shipping to HK - MFSD Equipment	28	100%		01-May-19 A					
Approach Road					,	, -				
AR-MD1000	Manufacture & Delivery to HK - Road Lighting Fitting	90	30%	63	21-Mar-19 A	21-Jul-19	:		[-
AR-MD1010	Manufacture - CMCS Equipment	62	0%		20-May-19	20-Jul-19				
AR-MD1015	FAT - CMCS Equipment	7	0%		21-Jul-19	27-Jul-19				
AR-MD1018	Shipping to HK - CMCS Equipment	14	0%		28-Jul-19	10-Aug-19				
AR-MD1020	Manufacture & Delivery to HK - other ELV Equipment	83	0%		20-May-19	10-Aug-19				
	ing Substructure, Boundary Wall, and C&ED Building Substructure		0,0		Lo may to	ro nag ro				
Remaining Works										
FSDCED100	Remaining Substructure	31	50%	16	01-Apr-19 A	06-Jun-19				
	Building (TCB) & TCSS Provision									
ABWF Works (for All)										
ATCB1000										d in the second s
	Blockwork Walls	60	83.33%	10	28-Nov-18 A	31-Mav-19				11
		60	83.33%		28-Nov-18 A 20-Mav-19					
ATCB1010	Door and Window Frames	58	0%	58	20-May-19	27-Jul-19				
ATCB1010 ATCB1020	Door and Window Frames ABWF Works to Plant Rooms G/F	58 81	0% 80%	58 16	20-May-19 11-Dec-18 A	27-Jul-19 08-Jun-19				
ATCB1010 ATCB1020 ATCB1021	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F	58 81 81	0% 80% 60%	58 16 32	20-May-19 11-Dec-18 A 18-Dec-18 A	27-Jul-19 08-Jun-19 27-Jun-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F	58 81 81 81	0% 80% 60% 50%	58 16 32 41	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F	58 81 81 81 81 152	0% 80% 60% 50% 60%	58 16 32 41 61	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 11-Dec-18 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F	58 81 81 81 81 152 152	0% 80% 60% 50% 60%	58 16 32 41 61	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 11-Dec-18 A 27-Dec-18 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F	58 81 81 152 152	0% 80% 60% 50% 60% 60%	58 16 32 41 61 61 76	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 11-Dec-18 A 27-Dec-18 A 11-Jan-19 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052 ATCB1080	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F ABWF Works to Office And Corridors 2/F ABWF Works to Toilets G/F	58 81 81 152 152 152 152 152 152 152	0% 80% 60% 60% 60% 50% 50%	58 16 32 41 61 61 76 82	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 11-Dec-18 A 27-Dec-18 A 11-Jan-19 A 18-Feb-19 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19 24-Aug-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052 ATCB1080 ATCB1081	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F ABWF Works to Toilets G/F ABWF Works to Toilets 1/F	58 81 81 152 152 152 152 152 152 152 152 152 152 163	0% 80% 60% 60% 60% 50% 50%	58 16 32 41 61 61 76 82 82	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 11-Dec-18 A 27-Dec-18 A 11-Jan-19 A 18-Feb-19 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19 24-Aug-19 24-Aug-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052 ATCB1080 ATCB1081 ATCB1082	 Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F ABWF Works to Toilets G/F ABWF Works to Toilets 1/F ABWF Works to Toilets 2/F 	58 81 81 81 152 152 152 152 163 163	0% 80% 60% 60% 60% 50% 50% 50%	58 16 32 41 61 61 76 82 82 82	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 11-Dec-18 A 27-Dec-18 A 11-Jan-19 A 18-Feb-19 A 18-Feb-19 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19 24-Aug-19 24-Aug-19 07-Sep-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052 ATCB1080 ATCB1081 ATCB1082 ATCB1081	 Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F ABWF Works to Toilets G/F ABWF Works to Toilets 2/F ABWF Works to Toilets 2/F Waterproofing and Roofing 	58 81 81 81 152 152 152 152 152 163 163 47	0% 80% 60% 60% 60% 50% 50% 50%	58 16 32 41 61 61 76 82 82 82 82 47	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 11-Dec-18 A 27-Dec-18 A 11-Jan-19 A 18-Feb-19 A 18-Feb-19 A 31-May-19	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19 24-Aug-19 24-Aug-19 07-Sep-19 27-Jul-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052 ATCB1080 ATCB1081 ATCB1082 ATCB1110 ATCB1120	 Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F ABWF Works to Toilets G/F ABWF Works to Toilets 1/F ABWF Works to Toilets 2/F 	58 81 81 81 152 152 152 152 163 163	0% 80% 60% 60% 60% 50% 50% 50%	58 16 32 41 61 61 76 82 82 82 82 47	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 11-Dec-18 A 27-Dec-18 A 11-Jan-19 A 18-Feb-19 A 18-Feb-19 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19 24-Aug-19 24-Aug-19 07-Sep-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052 ATCB1080 ATCB1081 ATCB1082 ATCB1110 ATCB1120	 Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F ABWF Works to Toilets G/F ABWF Works to Toilets 1/F ABWF Works to Toilets 2/F Waterproofing and Roofing External Cladding and Wall Plastering 	58 81 81 81 152 152 152 152 152 163 163 163 163 94	0% 80% 60% 60% 60% 50% 50% 50% 50% 0%	58 16 32 41 61 61 76 82 82 82 82 82 47 94	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 27-Dec-18 A 27-Dec-18 A 11-Jan-19 A 18-Feb-19 A 18-Feb-19 A 31-May-19 31-May-19	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19 24-Aug-19 24-Aug-19 07-Sep-19 27-Jul-19 21-Sep-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052 ATCB1080 ATCB1081 ATCB1082 ATCB1120 TCSS Provision TCB220	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F ABWF Works to Toilets G/F ABWF Works to Toilets G/F ABWF Works to Toilets 2/F Waterproofing and Roofing External Cladding and Wall Plastering Cable Containment Installation to enable TCSS installation	58 81 81 81 152 152 152 152 152 152 163 163 163 47 94 90	0% 80% 60% 60% 60% 50% 50% 50% 50% 0% 87%	58 16 32 41 61 61 76 82 82 82 82 82 47 94	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 27-Dec-18 A 27-Dec-18 A 11-Jan-19 A 18-Feb-19 A 18-Feb-19 A 31-May-19 31-May-19 15-Feb-19 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19 24-Aug-19 24-Aug-19 07-Sep-19 27-Jul-19 21-Sep-19 01-Jun-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052 ATCB1080 ATCB1081 ATCB1100 ATCB1120 TCSS Provision TCB220 TCB230	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F ABWF Works to Toilet G/F ABWF Works to Toilets G/F ABWF Works to Toilets 2/F Waterproofing and Roofing External Cladding and Wall Plastering Cable Containment Installation to enable TCSS installation KD1 Achieved	58 81 81 81 152 152 152 152 152 163 163 163 163 94	0% 80% 60% 60% 60% 50% 50% 50% 50% 0%	58 16 32 41 61 61 76 82 82 82 82 82 47 94	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 27-Dec-18 A 27-Dec-18 A 11-Jan-19 A 18-Feb-19 A 18-Feb-19 A 31-May-19 31-May-19 15-Feb-19 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19 24-Aug-19 24-Aug-19 07-Sep-19 27-Jul-19 21-Sep-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052 ATCB1080 ATCB1081 ATCB1120 TCB1120 TCSS Provision TCB220 TCB230 Key Date 4 - E&M Work	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F ABWF Works to Toilets G/F ABWF Works to Toilets G/F ABWF Works to Toilets 2/F Waterproofing and Roofing External Cladding and Wall Plastering Cable Containment Installation to enable TCSS installation	58 81 81 81 152 152 152 152 152 152 163 163 163 47 94 90	0% 80% 60% 60% 60% 50% 50% 50% 0% 0% 87%	58 16 32 41 61 61 76 82 82 82 82 82 47 94	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 27-Dec-18 A 27-Dec-18 A 11-Jan-19 A 18-Feb-19 A 18-Feb-19 A 31-May-19 31-May-19 15-Feb-19 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19 24-Aug-19 24-Aug-19 07-Sep-19 27-Jul-19 21-Sep-19 01-Jun-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052 ATCB1080 ATCB1081 ATCB1100 ATCB1082 ATCB1110 ATCB120 TCSS Provision TCB230 Key Date 4 - E&M Works	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F ABWF Works to Toilet and Corridors 2/F ABWF Works to Toilets G/F ABWF Works to Toilets 2/F Waterproofing and Roofing External Cladding and Wall Plastering Cable Containment Installation to enable TCSS installation KD1 Achieved s in Vehicular Underpass Area & TCSS Provision	58 81 81 81 152 152 152 152 152 152 163 163 163 94 90 0	0% 80% 60% 60% 60% 60% 50% 50% 50% 50% 0% 87% 0%	58 16 32 41 61 76 82 82 82 82 47 94 12 0	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 27-Dec-18 A 11-Jan-19 A 18-Feb-19 A 18-Feb-19 A 31-May-19 31-May-19 15-Feb-19 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19 24-Aug-19 24-Aug-19 07-Sep-19 27-Jul-19 21-Sep-19 01-Jun-19 01-Jun-19				
ATCB1010 ATCB1020 ATCB1021 ATCB1022 ATCB1050 ATCB1051 ATCB1052 ATCB1080 ATCB1081 ATCB1120 TCB1120 TCSS Provision TCB220 TCB230 Key Date 4 - E&M Work	Door and Window Frames ABWF Works to Plant Rooms G/F ABWF Works to Plant Rooms 1/F ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F ABWF Works to Office and Corridors 1/F ABWF Works to Office and Corridors 2/F ABWF Works to Toilet G/F ABWF Works to Toilets G/F ABWF Works to Toilets 2/F Waterproofing and Roofing External Cladding and Wall Plastering Cable Containment Installation to enable TCSS installation KD1 Achieved	58 81 81 81 152 152 152 152 152 152 163 163 163 47 94 90	0% 80% 60% 60% 60% 50% 50% 50% 0% 0% 87%	58 16 32 41 61 61 76 82 82 82 82 82 47 94 12 0	20-May-19 11-Dec-18 A 18-Dec-18 A 27-Dec-18 A 27-Dec-18 A 27-Dec-18 A 11-Jan-19 A 18-Feb-19 A 18-Feb-19 A 31-May-19 31-May-19 15-Feb-19 A	27-Jul-19 08-Jun-19 27-Jun-19 08-Jul-19 31-Jul-19 31-Jul-19 17-Aug-19 24-Aug-19 24-Aug-19 27-Jul-19 27-Jul-19 21-Sep-19 01-Jun-19 01-Jun-19 05-Sep-19				

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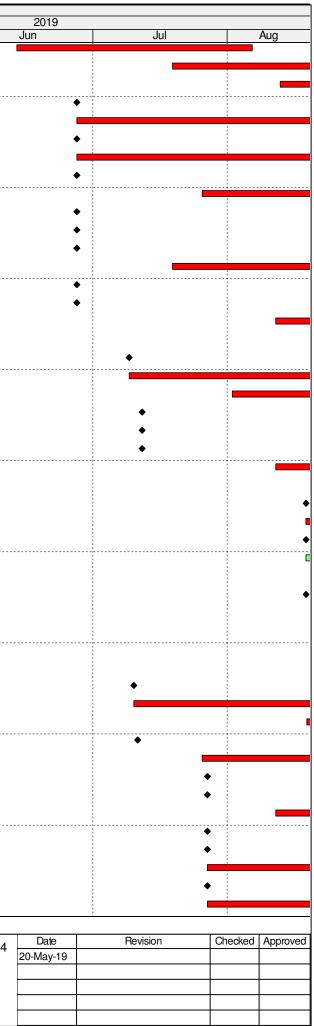
	Activity	Duration (Days)	% Comp	Remaining Start Duration	Finish		
\// H CO	Deat Drill and Dreaket Finite		00/		10 1 10	1	May
VU130	Post Drill and Bracket Fixing	18	0%	18 22-May-19	13-Jun-19		
VU140	Dampers installation	24	0%	24 22-May-19	20-Jun-19		
VU150	Cabling Works	36	0%	36 13-Jun-19	26-Jul-19		
VU160	Pressurization Fans Installation	24	0%	24 19-Aug-19	16-Sep-19		
VU170	High Level works - Tunnel Lighting	39	0%	39 26-Jul-19	10-Sep-19		
VU200	Possess Portion XI	0	0%	0 31-May-19			
	n Building, Maintenance Depot, Kiosk N2, TCSS Provision						
Administration Building (A	DB)						
Building Structure							
ADB200	Roof Slab	28	0%	28 20-May-19	21-Jun-19		
ADB210	Top Roof	11	0%	11 22-Jun-19	05-Jul-19		
ABWF Works (for All)							
AADB1130	Blockwork Walls	25	0%	25 01-Jun-19	02-Jul-19		
AADB1140	Door and Window Frames	19	0%	19 01-Jun-19	24-Jun-19		
AADB1150	ABWF Works to Plant Rooms G/F	52	0%	52 10-Jun-19	09-Aug-19		
AADB1151	ABWF Works to Plant Rooms 1/F	52	0%	52 24-Jun-19	23-Aug-19		
AADB1160	ABWF Works to Office and Corridors G/F	126	0%	126 10-Jun-19	07-Nov-19		
AADB1161	ABWF Works to Office and Corridors 1/F	126	0%	126 24-Jun-19	21-Nov-19		
AADB1170	ABWF Works to Toilets G/F	132	0%	132 10-Jun-19	14-Nov-19		
AADB1171	ABWF Works to Toilets 1/F	132	0%	132 24-Jun-19	28-Nov-19		
AADB1180	Waterproofing and Roofing	48	0%	48 22-Jun-19	17-Aug-19		
AADB1190	External Cladding and Wall Plastering	98	0%	98 22-Jun-19	18-Oct-19		
Provision for TCSS Instal	lation						
ADB250	Cable Containment Installation to enable TCSS installation	74	0%	74 18-Jun-19	12-Sep-19		
Maintenance Depot							
Depot Structure							
MD180	Top Roof	16	5%	15 18-May-19 A	06-Jun-19		
ABWF Works (for All)							
AMD1000	Blockwork Walls	16	0%	16 06-Jun-19	26-Jun-19		
AMD1010	Door and Window Frames	10	0%	10 10-Jun-19	21-Jun-19		
AMD1020	ABWF Works to Plant Rooms	58	0%	58 21-Jun-19	29-Aug-19		
AMD1030	ABWF Works to Office and Corridors	132	0%	132 21-Jun-19	27-Nov-19		
AMD1040	ABWF Works to Toilets	144	0%	144 25-Jun-19	14-Dec-19		
AMD1050	Waterproofing and Roofing	51	0%	51 19-Jun-19	19-Aug-19		
AMD1060	External Cladding and Wall Plastering	98	0%	98 19-Jun-19	16-Oct-19		
Provision for TCSS Instal	lation						
MD210	Cable Containment Installation to enable TCSS installation	62	0%	62 25-Jul-19	09-Oct-19		
Kiosk N2							
N2-130	ABWF Works to enable TCSS installation	18	0%	18 20-May-19	10-Jun-19		
N2-140	Cable Containment Installation to enable TCSS installation	19	0%	19 11-Jun-19	03-Jul-19		
	or Administration Building, Maintenance Depot, North Vent Building, Kiosk N2						
ABWF Works for Administ	ration Building (Structure Completed under KD2)						
EADB110	ADB First Floor Completed with Scaffolding Removed	0	0%	0	31-May-19		
E&M Works for Administra	ation Building						
Installation							
ADB-EMGF0001	E&M cast-in Installation	42	80%	8 31-Jan-19 A	29-May-19		
G/F							
	ABWF Works ready for E&M Mobilization to General Areas - G/F	0	0%	0 13-Jun-19		1	

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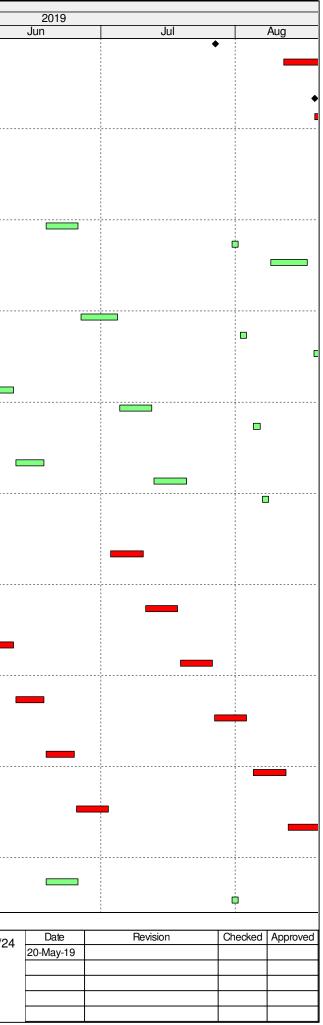
ID	Activity	Duration	% Comp		Start	Finish		
		(Days)		Duration			 May	
ADB-EMGF1010	E&M Installation - 1st fix - G/F	46	0%	46	13-Jun-19	06-Aug-19		
ADB-EMGF1020	E&M Installation - 2nd fix - G/F	40	0%	40	19-Jul-19	03-Sep-19		
ADB-EMGF1030	E&M Installation - Final fix - G/F	40	0%	40	13-Aug-19	28-Sep-19		
ADB-EMGF1040	ABWF Works ready for E&M Mobilization to 11kV Swtich & Tx Room 1 - G/F	0	0%	0	27-Jun-19		 	
ADB-EMGF1050	E&M Installation - 11kV Swtich & Tx Room 1 - G/F	46	0%	46	27-Jun-19	20-Aug-19		
ADB-EMGF1100	ABWF Works ready for E&M Mobilization to 11kV Swtich & Tx Room 2 - G/F	0	0%	0	27-Jun-19			
ADB-EMGF1110	E&M Installation - 11kV Swtich & Tx Room 2 - G/F	46	0%	46	27-Jun-19	20-Aug-19		
ADB-EMGF1160	ABWF Works ready for E&M Mobilization to LV Switch Room - G/F	0	0%	0	27-Jun-19			
ADB-EMGF1170	E&M Installation - LV Switch Room - G/F	34	0%	34	26-Jul-19	03-Sep-19	 	
ADB-EMGF1200	ABWF Works ready for E&M Mobilization to Generator Room & Fuel Tank Room - G/F	0	0%	0	27-Jun-19			
ADB-EMGF1230	ABWF Works ready for E&M Mobilization to MVAC Plant Rooms - G/F	0	0%	0	27-Jun-19			
ADB-EMGF1250	ABWF Works ready for E&M Mobilization to FS Plant Rooms - G/F	0	0%	0	27-Jun-19			
ADB-EMGF1260	E&M Installation - FS Plant Rooms - G/F	60	0%	60	19-Jul-19	27-Sep-19		
ADB-EMGF1270	ABWF Works ready for E&M Mobilization to PD Plant Rooms - G/F	0	0%	0	27-Jun-19		 	
ADB-EMGF1290	ABWF Works ready for E&M Mobilization to ELV Plant Rooms - G/F	0	0%	0	27-Jun-19			
	E&M Installation - ELV Plant Rooms - G/F	50	0%	50	12-Aug-19	11-Oct-19		
1/F					0			
ADB-EM1F1000	ABWF Works ready for E&M Mobilization to General Areas - 1/F	0	0%	0	09-Jul-19			
	E&M Installation - 1st fix - 1/F	40	0%		09-Jul-19	23-Aug-19	 	
	E&M Installation - 2nd fix - 1/F	40	0%		02-Aug-19	18-Sep-19		
	ABWF Works ready for E&M Mobilization to MVAC Plant Rooms - 1/F	0	0%		12-Jul-19			
	ABWF Works ready for E&M Mobilization to Electical Plant Rooms - 1/F	0	0%		12-Jul-19			
	ABWF Works ready for E&M Mobilization to ELV Plant Rooms - 1/F	0	0%		12-Jul-19			
	E&M Installation - ELV Plant Rooms - 1/F	52	0%		12-Aug-19	14-Oct-19	 	
Roof								
ADB-EMRF1000	ABWF Works ready for E&M Mobilization to General Areas - Roof	0	0%	0	19-Aug-19			
	E&M Installation - 1st fix - Roof	25	0%		19-Aug-19	17-Sep-19		
	ABWF Works ready for E&M Mobilization to Cooling Tower Area - Roof	0	0%		19-Aug-19			
	E&M Installation - Cooling Tower Area - Roof	90	0%		19-Aug-19	04-Dec-19	 	
Lift Installation (L01)								
ADB-LF1010	Access to lift shaft and lift machine room	0	0%	0	19-Aug-19			
E&M Works for Maintenan			0,0	•	le nag re			
Installaltion								
MD-EMGF0001	E&M cast-in Installation	30	69%	9	14-Jan-19 A	30-May-19		
G/F			0070	•				
	ABWF Works ready for E&M Mobilization to General Areas - G/F	0	0%	0	10-Jul-19			
MD-EMGF1010	E&M Installation - 1st fix - G/F	40	0%		10-Jul-19	26-Aug-19		
MD-EMGF1020	E&M Installation - 2nd fix - G/F	40	0%		19-Aug-19	08-Oct-19		
MD-EMGF1040	ABWF Works ready for E&M Mobilization to LV Switch Room - G/F	0	0%		11-Jul-19		 	
MD-EMGF1050	E&M Installation - LV Switch Room - G/F	90	0%		26-Jul-19	11-Nov-19		
MD-EMGF1080	ABWF Works ready for E&M Mobilization to Generator & Fuel Tank Rooms - G/F	0	0%		27-Jul-19			
MD-EMGF1110	ABWF Works ready for E&M Mobilization to Electrical Plant Rooms - G/F	0	0%		27-Jul-19 27-Jul-19			
MD-EMGF1120	E&M Installation - Electrical Plant Rooms - G/F	70	0%		12-Aug-19	04-Nov-19		
MD-EMGF1120	ABWF Works ready for E&M Mobilization to MVAC Plant Rooms - G/F	0	0%		27-Jul-19		 	
MD-EMGF1150	ABWF Works ready for E&M Mobilization to FS Plant Rooms - G/F	0	0%		27-Jul-19 27-Jul-19			
MD-EMGF1160	E&M Installation - FS Plant Rooms - G/F	90	0%		27-Jul-19 27-Jul-19	13-Nov-19		
	ABWF Works ready for E&M Mobilization to PD Plant Rooms - G/F	90	0%		27-Jul-19 27-Jul-19	10-1101-13		
MD-EMGF1170	E&M Installation - PD Plant Rooms - G/F	85	0%		27-Jul-19 27-Jul-19	07-Nov-19		
		60	U 70	60	LI-JUI-13	07-1100-19	 	

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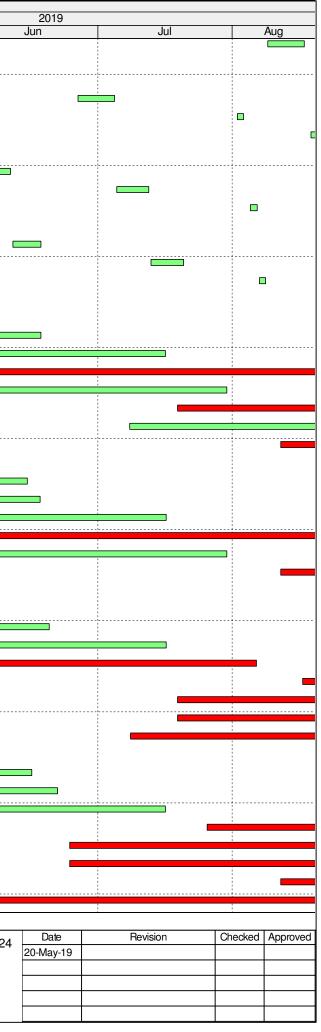
	Activity	Duration (Days)	% Comp	Remaining Start Duration	Finish		
		(Days)			-	May	
	ABWF Works ready for E&M Mobilization to Elv Plant Rooms - G/F	0	0%	0 27-Jul-19			
	E&M Installation - Elv Plant Rooms - G/F	60	0%	60 12-Aug-19	23-Oct-19		
<i>R/F</i> MD-EMRF1000	ABWF Works ready for E&M Mobilization to R/F	0	0%	0 19-Aug-19			
	E&M Installation - 1st fix - R/F	30	0%	30 19-Aug-19	24-Sep-19		
M Works for North Venti							
nstallation							
TVF Installation							
NB-NVB-TVF-1							
TVF-NVB1000	Silencer, splitter and duct installation - Upper Attenuator Room (1/F)	6	0%	6 20-May-19	25-May-19		
	Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7	0%	7 18-Jun-19	25-Jun-19		
TVF-NVB1020	Ventilation fan and duct installation - Fan Room (G/F)	2	0%	2 31-Jul-19	01-Aug-19		
	Leakage test for TVF	8	0%	8 09-Aug-19	17-Aug-19		
NB-NVB-TVF-2	-				5		
TVF-NVB1040	Silencer, splitter and duct installation - Upper Attenuator Room (1/F)	6	0%	6 27-May-19	01-Jun-19		–
	Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7	0%	7 26-Jun-19	04-Jul-19		
	Ventilation fan and duct installation - Fan Room (G/F)	2	0%	2 02-Aug-19	03-Aug-19		
	Leakage test for TVF	8	0%	8 19-Aug-19	27-Aug-19		
NB-NVB-TVF-3							
	Silencer, splitter and duct installation - Upper Attenuator Room (1/F)	6	0%	6 03-Jun-19	10-Jun-19		
	Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7	0%	7 05-Jul-19	12-Jul-19		
	Ventilation fan and duct installation - Fan Room (G/F)	2	0%	2 05-Aug-19	06-Aug-19		
NB-NVB-TVF-4							
TVF-NVB1120	Silencer, splitter and duct installation - Upper Attenuator Room (1/F)	6	0%	6 11-Jun-19	17-Jun-19		
	Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7	0%	7 13-Jul-19	20-Jul-19		
	Ventilation fan and duct installation - Fan Room (G/F)	2	0%	2 07-Aug-19	08-Aug-19		
NB-NVB-TVF-5							
TVF-NVB1160	Silencer, splitter and duct installation - Upper Attenuator Room (1/F)	6	0%	6 20-May-19	25-May-19		
	Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7	0%	7 03-Jul-19	10-Jul-19		
NB-NVB-TVF-6							
TVF-NVB1200	Silencer, splitter and duct installation - Upper Attenuator Room (1/F)	6	0%	6 27-May-19	01-Jun-19		
	Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7	0%	7 11-Jul-19	18-Jul-19		
NB-NVB-TVF-7					-		
TVF-NVB1240	Silencer, splitter and duct installation - Upper Attenuator Room (1/F)	6	0%	6 03-Jun-19	10-Jun-19		
	Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7	0%	7 19-Jul-19	26-Jul-19		
NB-NVB-TVF-8					-		
TVF-NVB1280	Silencer, splitter and duct installation - Upper Attenuator Room (1/F)	6	0%	6 11-Jun-19	17-Jun-19		
	Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7	0%	7 27-Jul-19	03-Aug-19		
NB-NVB-TVF-9					0		
TVF-NVB1320	Silencer, splitter and duct installation - Upper Attenuator Room (1/F)	6	0%	6 18-Jun-19	24-Jun-19		
	Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7	0%	7 05-Aug-19	12-Aug-19		
NB-NVB-TVF-10					3 -		
TVF-NVB1360	Silencer, splitter and duct installation - Upper Attenuator Room (1/F)	6	0%	6 25-Jun-19	02-Jul-19		
	Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7	0%	7 13-Aug-19	20-Aug-19		
SB-NVB-TVF-1	,	•	0,0				
TVF-NVB1400	Silencer, splitter and duct installation - Upper Attenuator Room (1/F)	6	0%	6 20-May-19	25-May-19		
	Damper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7	0%	7 18-Jun-19	25-Jun-19		
		1	070	, 10 001110			1

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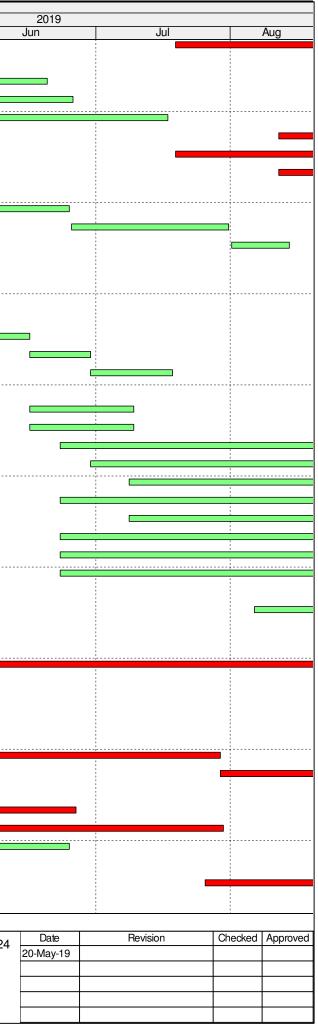
eakage test for TVF lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) eakage test for TVF lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (1/F) entilation fan and duct installation - Upper Attenuator Room (1/F) entilation fan and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Lower Attenuator Room (B1/F)	(Days) (Days) (Days) (Comparison of the second seco	0% 0% 0% 0% 0%	Duration 8 09-Aug-19 6 27-May-19 26-Jun-19 26-Jun-19 02-Aug-19 19-Aug-19 8 19-Aug-19	17-Aug-19 01-Jun-19 04-Jul-19 03-Aug-19 27-Aug-19	May	
lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) eakage test for TVF lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) lencer, splitter and duct installation - Fan Room (G/F) lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (1/F)	6 7 2 8 6 7 2	0% 0% 0% 0%	6 27-May-19 7 26-Jun-19 2 02-Aug-19	01-Jun-19 04-Jul-19 03-Aug-19		
amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) eakage test for TVF lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (1/F)	7 2 8 6 7 2	0% 0% 0%	7 26-Jun-19 2 02-Aug-19	04-Jul-19 03-Aug-19		
amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) eakage test for TVF lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (1/F)	7 2 8 6 7 2	0% 0% 0%	7 26-Jun-19 2 02-Aug-19	04-Jul-19 03-Aug-19		
entilation fan and duct installation - Fan Room (G/F) eakage test for TVF lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (1/F)	2 8 6 7 2	0% 0% 0%	2 02-Aug-19	03-Aug-19		
eakage test for TVF lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F)	8 6 7 2	0%				
lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F)	6 7 2	0%	8 19-Aug-19	27-Aug-19	· · · · · · · · · · · · · · · · · · ·	
amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7					
amper/Silencer and duct installation - Lower Attenuator Room (B1/F) entilation fan and duct installation - Fan Room (G/F) lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F)	7					
entilation fan and duct installation - Fan Room (G/F) lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F)	2	0%	6 03-Jun-19	10-Jun-19	_	
lencer, splitter and duct installation - Upper Attenuator Room (1/F) amper/Silencer and duct installation - Lower Attenuator Room (B1/F)			7 05-Jul-19	12-Jul-19	-	
amper/Silencer and duct installation - Lower Attenuator Room (B1/F)	6	0%	2 05-Aug-19	06-Aug-19		
amper/Silencer and duct installation - Lower Attenuator Room (B1/F)	6					
		0%	6 11-Jun-19	17-Jun-19		
entilation fan and duct installation - Fan Room (G/F)	7	0%	7 13-Jul-19	20-Jul-19	_	
	2	0%	2 07-Aug-19	08-Aug-19	-	
M Installation - 1st fix - B2/F	50	78%	11 21-Nov-18 A	31-May-19		
&M Installation - 2nd fix - B2/F	50	52%	24 28-Nov-18 A	-		
M Installation - Final fix - B2/F	50	5%	48 24-Jan-19 A	16-Jul-19		
M Installation - Electrical Plant Rooms - B2/F	90	0%	90 20-May-19	03-Sep-19		
M Installation - MVAC Plant Rooms - B2/F	60	0%	60 20-May-19	30-Jul-19		
M Installation - FS Plant Rooms - B2/F	45	0%	45 19-Jul-19	09-Sep-19		
&M Installation - PD Plant Rooms - B2/F	60	0%	60 08-Jul-19	16-Sep-19		
&M Installation - Elv Plant Rooms - B2/F	45	0%	45 12-Aug-19	04-Oct-19		
M Installation - 1st fix - B1/F	50	57%	22 19-Nov-18 A	14-Jun-19		
M Installation - 2nd fix - B1/F						
BM Installation - Final fix - B1/F						
M Installation - Electrical Plant Rooms - B1/F						
M Installation - MVAC Plant Rooms - B1/F				· ·		
BM Installation - 1st fix - G/F	50	80%	10 01-Aug-18 A	30-May-19		
				-		
-				-		
			-			
		070				
BM Installation - 1st fix - 1/F	50	54%	23 03-Sep-18 A	15-Jun-19		
			· ·			
			· ·			
				· ·		
M Installation - 11kV Switch & Tx Boom 1 - 1/F	00					1
M Installation - 11kV Switch & Tx Room 1 - 1/F	60	0%		-		
M Installation - 11kV Switch & Tx Room 1 - 1/F M Installation - 11kV Switch & Tx Room 2 - 1/F M Installation - Electrical Plant Rooms - 1/F	60 50	0% 0%	60 24-Jun-19 50 12-Aug-19	03-Sep-19 11-Oct-19		
2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	M Installation - Final fix - B1/F M Installation - Electrical Plant Rooms - B1/F M Installation - MVAC Plant Rooms - B1/F M Installation - Elv Plant Rooms - B1/F M Installation - Elv Plant Rooms - B1/F M Installation - 1st fix - G/F M Installation - 2nd fix - G/F M Installation - Final fix - G/F M Installation - Final fix - G/F M Installation - Final fix - G/F M Installation - Electrical Plant Rooms - G/F M Installation - Electrical Plant Rooms - G/F M Installation - FS Plant Rooms - G/F M Installation - FS Plant Rooms - G/F M Installation - PD Plant Rooms - G/F M Installation - 1st fix - 1/F M Installation - 1st fix - 1/F M Installation - Final fix - 1/F M Installation - Final fix - 1/F M Installation - LV Switch Room - 1/F M Installation - 11kV Switch & Tx Room 1 - 1/F	M Installation - Final fix - B1/F 50 M Installation - Electrical Plant Rooms - B1/F 90 M Installation - MVAC Plant Rooms - B1/F 60 M Installation - Elv Plant Rooms - B1/F 45 M Installation - 1st fix - G/F 50 M Installation - 2nd fix - G/F 50 M Installation - 2nd fix - G/F 50 M Installation - Final fix - G/F 50 M Installation - Final fix - G/F 50 M Installation - Electrical Plant Rooms - G/F 82 M Installation - Electrical Plant Rooms - G/F 50 M Installation - MVAC Plant Rooms - G/F 52 M Installation - NVAC Plant Rooms - G/F 52 M Installation - NVAC Plant Rooms - G/F 90 M Installation - PD Plant Rooms - G/F 90 M Installation - PD Plant Rooms - G/F 90 M Installation - 1st fix - 1/F 50 M Installation - 2nd fix - 1/F 50 M Installation - Final fix - 1/F 50 M Installation - Final fix - 1/F 50 M Installation - LV Switch Room - 1/F 40 M Installation - 11kV Switch & Tx Room 1 - 1/F 60	M Installation - Final fix - B1/F 50 4% M Installation - Electrical Plant Rooms - B1/F 90 0% M Installation - MVAC Plant Rooms - B1/F 60 0% M Installation - Elv Plant Rooms - B1/F 45 0% M Installation - Elv Plant Rooms - B1/F 45 0% M Installation - Ist fix - G/F 50 80% M Installation - 1st fix - G/F 50 48% M Installation - Final fix - G/F 50 48% M Installation - Final fix - G/F 50 48% M Installation - Final fix - G/F 50 4% M Installation - Final fix - G/F 50 4% M Installation - Final fix - G/F 50 4% M Installation - Final fix - G/F 50 0% M Installation - Final fix - G/F 50 0% M Installation - Electrical Plant Rooms - G/F 50 0% M Installation - PD Plant Rooms - G/F 90 0% M Installation - 1st fix - 1/F 50 54% M Installation - 1st fix - 1/F 50 54% M Installation - Final fix - 1/F 50 5% M Ins	M Installation - Final fix - B1/F 50 4% 48 24-Jan-19 A M Installation - Electrical Plant Rooms - B1/F 90 0% 90 20-May-19 M Installation - MVAC Plant Rooms - B1/F 60 0% 60 20-May-19 M Installation - Elv Plant Rooms - B1/F 45 0% 45 12-Aug-19 M Installation - Elv Plant Rooms - B1/F 50 80% 10 01-Aug-18 A M Installation - So fix - G/F 50 44% 24-Jan-19 A M Installation - Sin fix - G/F 50 44% 24-Jan-19 A M Installation - Final fix - G/F 50 44% 24-Jan-19 A Kallation by CLP - CLPP HV Switch Room - G/F 50 44% 24-Jan-19 A M Installation - Electrical Plant Rooms - G/F 50 0% 50 17-Aug-19 M Installation - SP Plant Rooms - G/F 90 0% 90 90 90 90 90 90 90 90 91-Jul-19 M Installation - 1st fix - 1/F 50 54% 23 03-Sep-18 A 10-Sep-18 A M Installation - 2nd fix - 1/F 50 5% 48 31	M Installation - Final fix - B1/F 50 4% 448 24-Jan-19 A 16-Jul-19 M Installation - Electrical Plant Rooms - B1/F 60 0% 60 20-May-19 30-Sep-19 M Installation - MVAC Plant Rooms - B1/F 60 0% 60 20-May-19 30-Jul-19 M Installation - Elv Plant Rooms - B1/F 45 0% 45 12-Aug-19 04-Oct-19 M Installation - 1st fix - G/F 50 80% 10 01-Aug-18.A 30-May-19 M Installation - 2nd fix - G/F 50 4%8 26 08-Aug-18.A 19-Jun-19 M Installation - Final fix - G/F 50 4%8 24-Jan-19.A 16-Jul-19 M Installation - Final fix - G/F 50 4%8 24-Jan-19.A 16-Jul-19 M Installation - Final fix - G/F 50 4%8 24-Jan-19.A 16-Jul-19 M Installation - Final fix - G/F 50 4%8 24-Jan-19.A 16-Jul-19 M Installation - Electrical Plant Rooms - G/F 60 0% 50 17-Aug-19 18-Sep-19 M Installation - NVAC Plant Rooms - G/F 50 0% 50 19-Jul-19 <	M Installation - Final fix - B1/F 50 4% 44 24-Jan-19A 16-Jul-19 M Installation - Electrical Plant Rooms - B1/F 90 0% 90 20-May-19 03-Sep-19 M Installation - MVAC Plant Rooms - B1/F 60 0% 60 20-May-19 30-Jul-19 M Installation - Elv Plant Rooms - B1/F 45 0% 45 12-Aug-19 04-Oct -19 M Installation - Elv Plant Rooms - B1/F 50 80% 10 01-Aug-18 A 30-May-19 04-Oct -19 M Installation - Set Plant Rooms - G/F 50 80% 10 01-Aug-18 A 19-Jun-19 M Installation - Final fix - G/F 50 48% 26 08-Aug-18 A 19-Jun-19 M Installation - Set Final Rooms - G/F 50 4% 48 24-Jan-19 A 16-Jul-19 M Installation - MVAC Plant Rooms - G/F 50 6% 17-Aug-19 18-Oct -19 M Installation - SP Plant Rooms - G/F 50 6% 90 0% 90 08-Jul-19 04-Nov-19 M Installation - SP Plant Rooms - G/F 50 54% 23 03-Sep-18 A 15-Jun-19 M Insta

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	Activity	Duration (Days)	% Comp	Remaining Start Duration	Finish		May	
NVB-EM1E1260	E&M Installation - FS Plant Rooms - 1/F	90	0%	90 19-Jul-19	04-Nov-19		lvidy	
2/F			070					
NVB-EM2F1010	E&M Installation - 1st fix - 2/F	50	48%	26 08-Oct-18 A	19-Jun-19			_
NVB-EM2F1020	E&M Installation - 2nd fix - 2/F	50	38%	31 15-Oct-18 A	25-Jun-19	_		
NVB-EM2F1030	E&M Installation - Final fix - 2/F	50	3%	49 07-Feb-19 A	17-Jul-19			
NVB-EM2F1060	E&M Installation - Electrical Plant Rooms - 2/F	50	0%	50 12-Aug-19	11-Oct-19	-		
NVB-EM2F1080	E&M Installation - MVAC Plant Rooms - 2/F	60	0%	60 19-Jul-19	27-Sep-19	-		
	E&M Installation - Elv Plant Rooms - 2/F	45	0%	45 12-Aug-19	04-Oct-19	_		
Remaining F&M Works for	Kiosk N2 (Structure Completed under KD2)							
EN2120	ABWF Works (Door, windows, tiles)	30	0%	30 20-May-19	24-Jun-19			
EN2130	E&M Works	31	0%	31 25-Jun-19	31-Jul-19	_		
EN2140	Testing & Comissioning	12	0%	12 01-Aug-19	14-Aug-19			
Key Date 3 - Satellite Contro			0,0	0. /				
Building Structure								
SCB130	Ground Floor	12	100%	0 24-Apr-19 A	07-Mav-19			
SCB140	First Floor	12	100%	11 14-May-19 A	-	_		
SCB150	Lower Roof Slab	12	0%	12 31-May-19	15-Jun-19	_		ė
SCB160	Second Floor	12	0%	12 15-Jun-19	29-Jun-19	-		-
SCB170	Upper Roof Slab	12	0%	15 29-Jun-19	18-Jul-19	-		
ABWF Works (for All)		15	0 /0	10 20-0011-19				
ASCB1000	Blockwork Walls	19	0%	19 15-Jun-19	09-Jul-19			
ASCB1000	Door and Window Frames	19	0%	19 15-Jun-19	09-Jul-19	_		
ASCB1010 ASCB1020	ABWF Works to Plant Rooms G/F				09-501-19 02-Sep-19	_		
ASCB1020	ABWF Works to Plant Rooms 1/F	60	0%	60 22-Jun-19 60 29-Jun-19	02-Sep-19 09-Sep-19	-		
	ABWF Works to Plant Rooms 2/F	60	0%		17-Sep-19			
ASCB1022 ASCB1030	ABWF Works to Plant Rooms 2/F ABWF Works to Office and Corridors G/F	60	0%	60 08-Jul-19 95 22-Jun-19	17-Sep-19 16-Oct-19	_		
ASCB1030	ABWF Works to Office and Corridors G/F	95	0%			_		
		95	0%	95 08-Jul-19	30-Oct-19	-		
ASCB1040	ABWF Works to Toilets 1/F	103	0%	103 22-Jun-19	25-Oct-19	_		
ASCB1050	Waterproofing and Roofing	50	0%	50 22-Jun-19	21-Aug-19			
ASCB1060	External Cladding and Wall Plastering	101	0%	101 22-Jun-19	23-Oct-19			
Provision for TCSS Installation				20 00 to 10				
SCB210	Cable Containment Installation to enable TCSS installation	62	0%	62 06-Aug-19	21-Oct-19			
	TCB, Toll Area, Kiosk N1, Underpass, Plant Rm, and Approach Roads							
Carpark Canopy					00 C		·····	
ETCB150	Steelwork for Canopy Structure	90	0%	90 20-May-19	03-Sep-19			
E&M Works for TCB								
Installation								
Basement		1	1	_				
TCB-EM1000	ABWF Works ready for E&M Mobilization to Basement	0	0%	0 20-May-19				
TCB-EM1001	E&M Installation - 1st fix - Basement	60	2%	59 10-Apr-19 A				
TCB-EM1002	E&M Installation - 2nd fix - Basement	60	0%	60 29-Jul-19	10-Oct-19	_		
G/F								
	E&M Installation - 1st fix - G/F	60	48%	31 15-Feb-19 A		_		
	E&M Installation - 2nd fix - G/F	60	1%	59 15-May-19 A				
	Installation by CLP - CLP Tx Room - G/F	60	50%	30 14-Feb-19 A	24-Jun-19			-
	ABWF Works ready for E&M Mobilization to LV Switch Room - G/F	0	0%	0 20-May-19			•	
	E&M Installation - LV Switch Room - G/F	70	0%	70 26-Jul-19	18-Oct-19			
TCB-EMGF1140	ABWF Works ready for E&M Mobilization to Generator & Fuel Tank Rooms - G/F	0	0%	0 20-May-19			•	

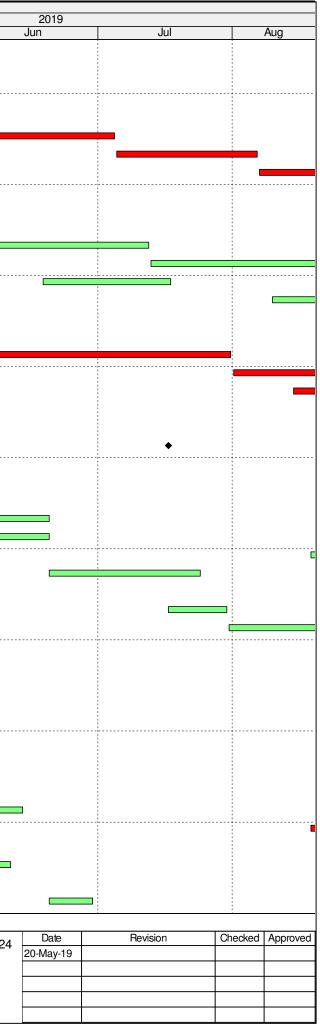
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	Activity	Duration (Days)	% Comp	Remaining Duration		Finish				2019		
								May		Jun	Jul	/
	ABWF Works ready for E&M Mobilization to Electrical Plant Rooms - G/F	0	0%		0 20-May-19				•			
	ABWF Works ready for E&M Mobilization to MVAC Plant Rooms - G/F	0	0%		0 20-May-19				•			
TCB-EMGF1210	ABWF Works ready for E&M Mobilization to FS Plant Rooms - G/F	0	0%		0 20-May-19				•			
TCB-EMGF1220	E&M Installation - FS Plant Rooms - G/F	90	0%	9	0 19-Aug-19	04-Dec-19						
TCB-EMGF1230	ABWF Works ready for E&M Mobilization to PD Plant Rooms - G/F	0	0%		0 20-May-19				•			
TCB-EMGF1240	E&M Installation - PD Plant Rooms - G/F	60	0%	6	0 08-Jul-19	16-Sep-19						
1/F			11									
TCB-EM1F1010	E&M Installation - 1st fix - 1/F	60	55%	2	7 26-Mar-19 A	20-Jun-19						
TCB-EM1F1020	E&M Installation - 2nd fix - 1/F	60	0%	6	0 19-Jul-19	27-Sep-19						
TCB-EM1F1050	ABWF Works ready for E&M Mobilization to Electrical Plant Rooms - 1/F	0			0 20-May-19	· ·	_		•			
	E&M Installation - Electrical Plant Rooms - 1/F	90			0 17-Aug-19	04-Dec-19						
	ABWF Works ready for E&M Mobilization to FS Plant Rooms - 1/F	0			0 20-May-19				•			
	E&M Installation - FS Plant Rooms - 1/F	90			0 11-Jun-19	26-Sep-19						
	ABWF Works ready for E&M Mobilization to PD Plant Rooms - 1/F	0			0 20-May-19	20 000 10	_		•			
2/F		0	070		20 May 10		_					
	ABWF Works ready for E&M Mobilization to General Areas - 2/F	0	0%		0 24-May-19		_		•			
	E&M Installation - 1st fix - 2/F				-	11 10 10						
		48			4 04-Apr-19 A		_					
	E&M Installation - 2nd fix - 2/F	48				05-Sep-19	_					
	ABWF Works ready for E&M Mobilization to Electrical Plant Rooms - 2/F	0			0 20-May-19		_		ľ			
	ABWF Works ready for E&M Mobilization to MVAC Plant Rooms - 2/F	0			0 20-May-19		_		•			
	E&M Installation - MVAC Plant Rooms - 2/F	90			0 13-Jul-19	29-Oct-19						
	ABWF Works ready for E&M Mobilization to Elv Plant Rooms - 2/F	0	0%		0 20-May-19				•			
TCB-EM2F1100	E&M Installation - Elv Plant Rooms - 2/F	60	0%	6	0 12-Aug-19	23-Oct-19						
Roof												
TCB-EMRF1000	ABWF Works ready for E&M Mobilization to Roof	0	0%		0 27-Jul-19							•
TCB-EMRF1010	E&M Installation - 1st fix - Roof	50	0%	5	0 27-Jul-19	25-Sep-19						
Lift Installation (L01)												
TCB-LF1000	Access to lift shaft and lift machine room	0	0%		0 27-Jul-19							•
Toll Area												
South Bound												
ETA120	Possess Portions IX, XIX, XXIa, XXIb	0	0%		0 31-May-19				•			
ETA130	Installation of South Bound Toll Booths	30	0%	3	0 31-May-19	06-Jul-19			•			
ETA140	South Bound Toll Booths - E&M installation 1st fix	36			6 08-Jul-19	17-Aug-19	_					
ETA150	Toll Booth Subway - E&M installation 1st fix	48			8 19-Aug-19	16-Oct-19	_					
North Bound	,											
ETA190	Possess Portion XI	0	0%		0 31-May-19				•			
ETA200	Installation of North Bound Toll Booths	30			0 31-May-19	06-Jul-19						
ETA210	North Bound Toll Booths - E&M installation 1st fix	36			6 08-Jul-19	17-Aug-19						
	Toll Booth Subway - E&M installation 1st fix	48			8 19-Aug-19	17-Aug-19 16-Oct-19	_					
		48	U70	4	13-Aug-19	10-00-19						
Kiosk N1	Persona Partian IV		00/		0.01 May 10							
EN120	Possess Portion IX	0			0 31-May-19	07 1.1 40						
EN130	Structure	48			8 31-May-19		_					
EN140	ABWF Works (Door, windows, tiles)	30	0%	3	0 29-Jul-19	31-Aug-19						
Plant Room												
E&M Works												
EPR120	Blockwork Wall & ABWF Works	90			6 02-Nov-18 A							
EPR130	E&M Installation	90			7 03-Jan-19 A							
EPR140	External Works	82	0%	8	2 03-Jul-19	09-Oct-19						
			'									
		CONTRACT		017/10						P 19/24 Date	Revision	Checked
		TUNNEL CONNE				NBKG				20-May-19		
		ONTHLY PROGI	камме А	45 OF 20) MAY 2019	9						

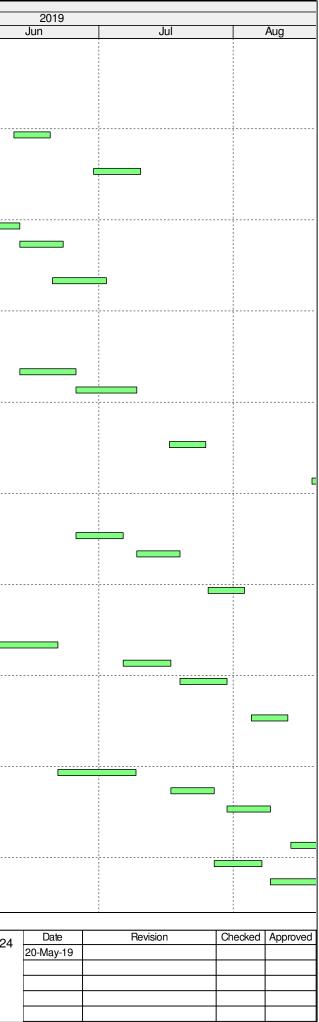
	Activity	Duration (Days)	% Comp	Remaining Start Duration	Finish	
D 1 1 1						May
Deck Void						
TD1, TD2, RB_W	Descess Dertions V. IV and VI	0	00/	0 21 May 1		1
DV180	Possess Portions X, IX and XI	0	0%	0 31-May-1	9	
Bridge H1, G1, G2			00/			1
DV110	Possess Portions IX	0	0%	0 31-May-1		
DV120	Electrical Installation - Bridge H1	28	0%	28 31-May-1		
DV130	Electrical Installation - Bridge G1	28	0%	28 05-Jul-19		-
DV140	Electrical Installation - Bridge G2	28	0%	28 07-Aug-19	07-Sep-19	
Approach Roads						
Under Portions IX, XI, XX						
AR120	Possess Portions IX and XI	0	0%	0 31-May-1		
AR130	Cabling works - Portion IX	45	0%	45 20-May-1	9 12-Jul-19	
AR133	Cabling works - Portion XI	45	0%	45 13-Jul-19	03-Sep-19	
AR140	Road lighting installation & termination - Portion IX	25	0%	25 18-Jun-19	17-Jul-19	
AR145	Road lighting installation & termination - Portion XI	25	0%	25 10-Aug-19	07-Sep-19	
Under Portion X						
AR170	Possess Portions X	0	0%	0 31-May-1	9	
AR176	Underground Cable Duct Installation (by others)	61	0%	61 20-May-1		
AR180	Cabling works in portion X	90	0%	90 01-Aug-19		
AR190	Road lighting installation & termination in portion X	90	0%	90 15-Aug-19		
	pr South Vent Duct, Tunnel, and Approach Roads		0,0			
E&M Works						
SVD120	Access to Portions III	0	0%	0 17-Jul-19		
Service Gallery		0	070			
<i>Ch 7200 - 5000</i>						1
TNL-SG1000	Drilling works CH7200 - 5000	12	14%	10 16 Apr 10	A 31-May-19	
TNL-SG1000	Wall Mounted Pipe Module Installation CH7200 - 5000	30	14%	· · · ·	A 19-Jun-19	
TNL-SG1020	Ceiling Mounted Module Delivery CH7200 - 5000	30	14%	· · ·	A 19-Jun-19	
				· ·		
TNL-SG1030	High Level 2nd Fix and Final Fix Installation CH7200 - 5000	46	0%	46 19-Aug-19		
TNL-SG1040	Cabling Works CH7200 - 5000	29	0%	29 19-Jun-19	24-Jul-19	
CH5000 - 3050						
TNL-SG1060	Drilling works CH5000 - 3050	12	0%	12 17-Jul-19	30-Jul-19	
TNL-SG1070	Wall Mounted Pipe Module Installation CH5000 - 3050	30	0%	30 31-Jul-19	03-Sep-19	
Road Level & OHVD						
Ch 7200 - 5000						
Ch 7200 - 6700						
TNU-RL1770	Bracket fixing on side wall - CH7200 to 6700	8	0%	8 20-May-1	-	
TNU-RL1775	Installation Works by Others (to be coordinated)	100	0%	100 29-May-1	9 25-Sep-19	
TNU-RL1790	Lighting in the middle of tunnels - CH7200 to 6700	8	0%	8 24-May-1	9 01-Jun-19	
TNU-RL1800	FH/ HR pipe installation - CH7200 to 6700	8	65%	3 02-Apr-19	A 22-May-19	
TNU-RL1830	Cabling Works on Brackets - CH7200 to 6700	14	33%	9 16-Apr-19	A 30-May-19	
TNU-RL1840	MSFD delivery in OHVD - CH7200 to 6700	9	0%	9 22-May-1	9 01-Jun-19	
TNU-RL1870	MSFD installation works in OHVD - CH7200 to 6700	9	0%	9 01-Jun-19	13-Jun-19	
TNU-RL1880	High level wiring works and remaining High level works in the middle of tunnels - CH7200 to 6700	20	0%	20 19-Aug-19) 10-Sep-19	
Ch 6700 - 6100						
TNU-RL1000	Bracket fixing on side wall - CH6700 to 6100	10	0%	10 29-May-1	9 10-Jun-19	
	Installation Works by Others (to be coordinated)	114	0%	114 11-Jun-19		
TNU-RL1005						

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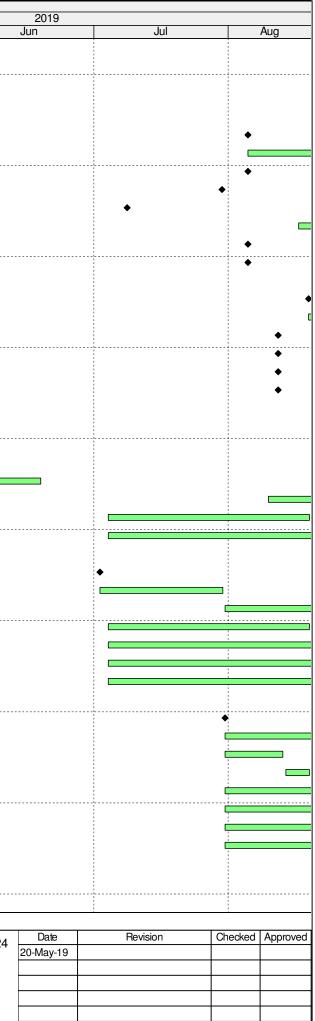
ID		Activity	Duration (Days)	% Comp	Remaining Duration	Start	Finish	•		
				710/	0	10 Arr 10 A	00 May 10		May	
	TNU-RL1020	FH/ HR pipe installation - CH6700 to 6100	10	71%		16-Apr-19 A	-			
	TNU-RL1030	Cabling Works on Brackets - CH6700 to 6100	17	7%		16-Apr-19 A				
	TNU-RL1040	MSFD delivery in OHVD - CH6700 to 6100	11	2%		18-May-19 A	-			
	TNU-RL1050 Ch 6100 - 5600	MSFD installation works in OHVD - CH6700 to 6100	11	2%	11	18-May-19 A	31-May-19			
				00/	0	44 1 40	10 1 10			
	TNU-RL1110	Bracket fixing on side wall - CH6100 to 5600	8	0%		11-Jun-19	19-Jun-19			
	TNU-RL1115	Installation Works by Others (to be coordinated)	126	0%		20-Jun-19	18-Nov-19			
	TNU-RL1120	Lighting in the middle of tunnels - CH6100 to 5600	8	0%		29-Jun-19	10-Jul-19			
	TNU-RL1130	FH/ HR pipe installation - CH6100 to 5600	8	78.01%		09-Apr-19 A	-			
	TNU-RL1140	Cabling Works on Brackets - CH6100 to 5600	14	21.01%		23-Apr-19 A			· · · · · · · · · · · · · · · · · · ·	
	TNU-RL1150	MSFD delivery in OHVD - CH6100 to 5600	9	0%		31-May-19	12-Jun-19			
	TNU-RL1160	MSFD installation works in OHVD - CH6100 to 5600	9	0%	9	12-Jun-19	22-Jun-19			
	CH 5600 - 5000									
	TNU-RL1220	Bracket fixing on side wall - CH5600 to 5000	10	0%			02-Jul-19			
	TNU-RL1225	Installation Works by Others (to be coordinated)	140	0%		03-Jul-19	16-Dec-19			
	TNU-RL1230	Lighting in the middle of tunnels - CH5600 to 5000	9	18%		•	28-May-19			
	TNU-RL1240	FH/ HR pipe installation - CH5600 to 5000	10	68%	3	16-Apr-19 A	23-May-19			
	TNU-RL1250	Cabling Works on Brackets - CH5600 to 5000	17	17%	14	23-Apr-19 A	05-Jun-19			
	TNU-RL1260	MSFD delivery in OHVD - CH5600 to 5000	11	0%	11	12-Jun-19	25-Jun-19			
	TNU-RL1270	MSFD installation works in OHVD - CH5600 to 5000	11	0%	11	25-Jun-19	09-Jul-19			
	CH5000 - 3050									
	CH5000-4500									
	TNU-RL1780	Bracket fixing on side wall - CH5000 to 4500	8	0%	8	17-Jul-19	25-Jul-19			
	TNU-RL1785	Installation Works by Others (to be coordinated)	140	0%	140	26-Jul-19	11-Jan-20			
	TNU-RL1810	Lighting in the middle of tunnels - CH5000 to 4500	8	0%	8	19-Aug-19	27-Aug-19			
	TNU-RL1820	FH/ HR pipe installation - CH5000 to 4500	8	50%	4	06-May-19 A	23-May-19			
	TNU-RL1850	Cabling Works on Brackets - CH5000 to 4500	14	3.99%	13	14-May-19 A	04-Jun-19			
	TNU-RL1860	MSFD delivery in OHVD - CH5000 to 4500	9	0%	9	25-Jun-19	06-Jul-19			
	TNU-RL1890	MSFD installation works in OHVD - CH5000 to 4500	9	0%	9	09-Jul-19	19-Jul-19			
	CH4500 - 4000									
	TNU-RL1330	Bracket fixing on side wall - CH4500 to 4000	8	0%	8	26-Jul-19	03-Aug-19			
	TNU-RL1335	Installation Works by Others (to be coordinated)	152	0%	152	05-Aug-19	07-Feb-20			
	TNU-RL1350	FH/ HR pipe installation - CH4500 to 4000	8	30%	6	14-May-19 A	25-May-19			
	TNU-RL1360	Cabling Works on Brackets - CH4500 to 4000	14	0%	14	04-Jun-19	21-Jun-19			
	TNU-RL1370	MSFD delivery in OHVD - CH4500 to 4000	9	0%	9	06-Jul-19	17-Jul-19			
	TNU-RL1380	MSFD installation works in OHVD - CH4500 to 4000	9	0%	9	19-Jul-19	30-Jul-19			
	CH4000-3500									
	TNU-RL1440	Bracket fixing on side wall - CH4000 to 3500	8	0%	8	05-Aug-19	13-Aug-19			
	TNU-RL1445	Installation Works by Others (to be coordinated)	164	0%		-	02-Mar-20			
	TNU-RL1460	FH/ HR pipe installation - CH4000 to 3500	8	30%		14-May-19 A				
	TNU-RL1470	Cabling Works on Brackets - CH4000 to 3500	14	0%		21-Jun-19	09-Jul-19			
	TNU-RL1480	MSFD delivery in OHVD - CH4000 to 3500	9	0%		17-Jul-19	27-Jul-19			
	TNU-RL1490	MSFD installation works in OHVD - CH4000 to 3500	9	0%		30-Jul-19	09-Aug-19			
	CH3500 - 3050			0,0	5					
	TNU-RL1550	Bracket fixing on side wall - CH3500 to 3050	8	0%	8	14-Aug-19	22-Aug-19			
	TNU-RL1590	MSFD delivery in OHVD - CH3500 to 3050	9	0%		-	07-Aug-19			
	TNU-RL1600	MSFD installation works in OHVD - CH3500 to 3050	9	0%		09-Aug-19	20-Aug-19			
Kove		r Satellite Control Building and Kiosks S1&S2	3	073	5		_0, .ug 10			
Key L										

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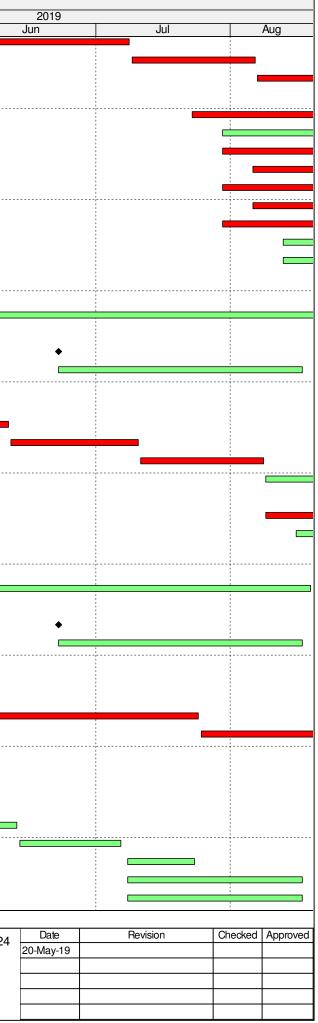
	Activity	Duration (Days)	% Comp	Remaining S Duration	Start	Finish				
		(Days)		Duration				May	1	
E&M Works for Satellite Co	ontrol Building									
E&M Works										
Installation							_			
	E&M cast-in Installation	18	30%	13 0	8-May-19 A	03-Jun-19				-
G/F										
	ABWF Works ready for E&M Mobilization to General Areas - G/F	0	0%		5-Aug-19					
	E&M Installation - 1st fix - G/F	30	0%		5-Aug-19	09-Sep-19				
	ABWF Works ready for E&M Mobilization to Generator Room & Fuel Tank Room - G/F	0	0%	0 0	5-Aug-19					
	ABWF Works ready for E&M Mobilization to LV Switch Room - G/F	0	0%	0 3	0-Jul-19				;	
	ABWF Works ready for E&M Mobilization to CLP Tx Room - G/F	0	0%		8-Jul-19					
SCB-EMGF11	E&M Installation - CLP Tx Room - G/F	18	0%	18 1	7-Aug-19	06-Sep-19				
SCB-EMGF11	ABWF Works ready for E&M Mobilization to FS Plant Rooms - G/F	0	0%	0 0	5-Aug-19				:	
SCB-EMGF11	ABWF Works ready for E&M Mobilization to PD Plant Rooms - G/F	0	0%	0 0	5-Aug-19					
1/F						,				
SCB-EM1F10	ABWF Works ready for E&M Mobilization to General Areas - 1/F	0	0%	0 1	9-Aug-19					
SCB-EM1F10	E&M Installation - 1st fix - 1/F	30	0%	30 1	9-Aug-19	24-Sep-19				
SCB-EM1F104	ABWF Works ready for E&M Mobilization to Computer Room (TCSS) - 1/F	0	0%	0 1	2-Aug-19					
SCB-EM1F10	ABWF Works ready for E&M Mobilization to EL Room - 1/F	0	0%	0 1	2-Aug-19					
SCB-EM1F10	ABWF Works ready for E&M Mobilization to FS Plant Rooms - 1/F	0	0%	0 1	2-Aug-19		_			
SCB-EM1F111	ABWF Works ready for E&M Mobilization to Elv Plant Room - 1/F	0	0%	0 1	2-Aug-19					
	or South Ventilation Building				-				;	
SVB-SEM1000	SEM Drawings ready for Structural Works for SVB	0	0%	0 0	4-Jun-19		_			٠
Installation										
B2/F										
SVB-EMB21010	E&M Installation - 1st fix - B2/F	25	0%	25 1	8-Mar-19 A	18-Jun-19				1
SVB-EMB21020	E&M Installation - 2nd fix - B2/F	25	0%		0-Aug-19	07-Sep-19	_			
SVB-EMB21060	E&M Installation - Electrical Plant Rooms- B2/F	40	0%		4-Jul-19	19-Aug-19				
SVB-EMB21080	E&M Installation - MVAC Paint Rooms - B2/F	60	0%		4-Jul-19	11-Sep-19				
B1/F		00	0,0	00 0						
SVB-EMB11000	E&M access to B1/F	0	0%	0.0	2-Jul-19					
SVB-EMB11010	E&M Installation - 1st fix - B1/F	25	0%		2-Jul-19	30-Jul-19				
SVB-EMB11020	E&M Installation - 2nd fix - B1/F	25	0%		1-Jul-19	28-Aug-19	_			
SVB-EMB11060	E&M Installation - Electrical Plant Rooms - B1/F	40	0%		4-Jul-19	19-Aug-19				
SVB-EMB11080	E&M Installation - MVAC Plant Rooms - B1/F	60	0%		4-Jul-19	19-Aug-19 11-Sep-19				
SVB-EMB11080	E&M Installation - FS Plant Rooms - B1/F						_			
SVB-EMB11120	E&M Installation - Elv Plant Rooms - B1/F	48	0%		4-Jul-19 4-Jul-19	28-Aug-19				
	Eavi Installation - Elv Plant Rooms - B1/F	48	0%	48 0	14-Jui-19	28-Aug-19			;	
G/F			00/						,	
SVB-EMGF1000	E&M access to G/F	0	0%		1-Jul-19	00.4			;	
SVB-EMGF1010	E&M Installation - 1st fix - G/F	25	0%		1-Jul-19	28-Aug-19			:	
SVB-EMGF1050	E&M Installation - CLPP HV Switch Room - G/F	12	0%		1-Jul-19	13-Aug-19	_			
SVB-EMGF1060	Inspection & Handover to CLP	5	0%		4-Aug-19	19-Aug-19				
SVB-EMGF1160	E&M Installation - MVAC Plant Rooms - G/F	40	0%		1-Jul-19	16-Sep-19			:	
SVB-EMGF1180	E&M Installation - FS Plant Rooms - G/F	40	0%		1-Jul-19	16-Sep-19	_			
SVB-EMGF1200	E&M Installation - PD Plant Rooms - G/F	40	0%		1-Jul-19	16-Sep-19				
SVB-EMGF1220	E&M Installation - Elv Plant Rooms - G/F	48	0%	48 3	1-Jul-19	25-Sep-19				
Key Date 10 - FSD Building	Structure & E&M Works									
Building Structure									;	
FSD210	Ground Floor	20	20%	16 1	1-May-19A	06-Jun-19				

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	Activity	Duration (Days)	% Comp	Remaining Start Duration	Finish			
505000							May	
FSD220	First Floor	25	0%	25 08-Jun-19	08-Jul-19			
FSD230	Roof Slab	25	0%	25 09-Jul-19	06-Aug-19			
FSD240	Top Roof	18	0%	18 07-Aug-19	27-Aug-19			
ABWF Works								
AFSD1000	Blockwork Walls	25	0%	25 23-Jul-19	20-Aug-19			
AFSD1010	Door and Window Frames	19	0%	19 30-Jul-19	20-Aug-19			
AFSD1020	ABWF Works to Plant Rooms G/F	56	0%	56 30-Jul-19	04-Oct-19			
AFSD1021	ABWF Works to Plant Rooms 1/F	56	0%	56 06-Aug-19	12-Oct-19			
AFSD1030	ABWF Works to Office and Corridors G/F	124	0%	124 30-Jul-19	24-Dec-19			
AFSD1031	ABWF Works to Office and Corridors 1/F	124	0%	124 06-Aug-19	03-Jan-20			
AFSD1040	ABWF Works to Toilets G/F	136	0%	136 30-Jul-19	10-Jan-20			
AFSD1050	Waterproofing and Roofing	52	0%	52 13-Aug-19	15-Oct-19			
AFSD1060	External Cladding and Wall Plastering	101	0%	101 13-Aug-19	11-Dec-19			
E&M Works								
Installation								
FSDB-EMGF0001	E&M cast-in Installation	80	0%	80 25-May-19	28-Aug-19		•	_
Statutory Inspections an	nd approvals							
FSDB-SI1000	Submission of Genset Exhaust Drawing to EPD	0	0%	0 22-Jun-19				
FSDB-SI1005	Review and Approval of Genset Exhaust Drawing by EPD	48	0%	48 22-Jun-19	17-Aug-19			
Key Date 9 - C&ED Building	z & E&M Works							
Building Structure								
CED220	Ground Floor	20	10%	18 04-May-19 A	A 10-Jun-19			
CED230	First Floor	25	0%	25 11-Jun-19	10-Jul-19			
CED240	Second Floor	25	0%	25 11-Jul-19	08-Aug-19			
CED250	Third Floor	32	0%	32 09-Aug-19	16-Sep-19			
ABWF Works								
ACED1000	Blockwork Walls	54	0%	54 09-Aug-19	14-Oct-19			
ACED1010	Door and Window Frames	48	0%	48 16-Aug-19	14-Oct-19			
E&M Works		10	0,0					
Installation								
C&EDB-GF0001	E&M cast-in Installation	90	15%	77 18-May-19 A	19-Aug-19			
		50	1378	TT TO-Way-137	13-Aug-13			
Statutory Inspections an C&EDB-SI1000	Submission of Genset Exhaust Drawing to EPD	0	0%	0 22-Jun-19				
C&EDB-SI1000	Review and Approval of Genset Exhaust Drawing by EPD	0 48	0%	48 22-Jun-19	17 Aug 10			
		40	0%	40 22-Juli-19	17-Aug-19			
	oft Works & Trees Protection							
Trees Protection			05 050/					
SL195	Protection Existing Trees & Submit Report with Photographic Record No.6	41	65.85%	14 13-Apr-19 A				<u> </u>
SL196	Protection Existing Trees & Submit Report with Photographic Record No.7	41	0%	41 05-Jun-19	24-Jul-19			
SL197	Protection Existing Trees & Submit Report with Photographic Record No.8	41	0%	41 25-Jul-19	10-Sep-19			
	Tunnel Comissioning & Opening							
Petrol Filling Station								
Structure								
PS110	Possess Portion Vc	0	100%	0	25-Apr-19 A	•		
PS120	Excavation	20	0%	20 20-May-19	12-Jun-19			
PS130	Footing	20	0%	20 13-Jun-19	06-Jul-19			
PS140	Petrol Filling Station Roof	14	0%	14 08-Jul-19	23-Jul-19			
PS150	Structure for Petrol Filling Station	36	0%	36 08-Jul-19	17-Aug-19			
PS160	Underground Fuel Tank Structure	36	0%	36 08-Jul-19	17-Aug-19			

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כ	Activity	Duration	% Comp	Remaining	Start	Finish	•	
		(Days)		Duration			May	
PS170	Backfilling	20	0%	20	19-Aug-19	10-Sep-19		
E&M Works								
EPS110	Miscellaneous ABWF Works	42	0%	42	19-Aug-19	09-Oct-19		
EPS120	Fuel Tank/Fuel Pipe System Installation	42	0%	42	19-Aug-19	09-Oct-19		
Stat utory Inspections a	ind approvals							
Administration Build	ling							
ADB-SI1000	Submission of Genset Exhaust Drawing to EPD	0	0%	0	22-Jun-19			
ADB-SI1005	Review and Approval of Genset Exhaust Drawing by EPD	48	0%	48	22-Jun-19	17-Aug-19		
Maintenance Depot								
MD-SI1000	Submission of Genset Exhaust Drawing to EPD	0	0%	0	22-Jun-19			
MD-SI1005	Review and Approval of Genset Exhaust Drawing by EPD	48	0%	48	22-Jun-19	17-Aug-19		
North Ventilation Bu	uilding					'		
NVB-SI1000	Submission of Genset Exhaust Drawing to EPD	0	0%	0	22-Jun-19			
NVB-SI1005	Review and Approval of Genset Exhaust Drawing by EPD	48	0%	48	22-Jun-19	17-Aug-19		
Toll Control Building	& Toll Collector Subway							
TCB-SI0010	Submission of Genset Exhaust Drawing to EPD	0	0%	0	22-Jun-19			
TCB-SI0015	Review and Approval of Genset Exhaust Drawing by EPD	48	0%	48	22-Jun-19	17-Aug-19		
Satellite Control Bui	lding							
SCB-SI1000	Submission of Genset Exhaust Drawing to EPD	0	0%	0	22-Jun-19			
SCB-SI1005	Review and Approval of Genset Exhaust Drawing by EPD	48	0%	48	22-Jun-19	17-Aug-19		
South Ventilation Bu	uilding							
SVB-SI1000	Submission of Genset Exhaust Drawing to EPD	0	0%	0	19-Jun-19			
SVB-SI1005	Review and Approval of Genset Exhaust Drawing by EPD	48	0%	48	19-Jun-19	14-Aug-19		

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Appendix C

Environmental Mitigation and Enhancement Measure Implementation Schedules

(In reference to CINOTECH (2011) Agreement No. CE35/2011 EP Baseline Environmental Monitoring for Hong Kong-Zhuhai-Macao Bridge Tuen Mun-Chep Lap Kok Link – Investigation. Updated EM&A Manual for Tuen Mun-Chek Lap Kok Link)

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Imp	olementa Stages	tion	Status *
	Reference				Requirement	D	C	0	
Air Quality 4.8.1	3.8	Watering of the construction sites in Lantau for 8 times/day and in Tuen Mun for 12 times/day to reduce dust emissions by 87.5% and 91.7% respectively and shall be undertaken.		Contractor	TMEIA Avoid dust generation		Y		N/A
4.8.1	3.8	The Contractor shall, to the satisfaction of the Engineer, install effective dust suppression measures and take such other measures as may be necessary to ensure that at the Site boundary and any nearby sensitive receiver, dust levels are kept to acceptable levels.	construction period	Contractor	TMEIA Avoid dust generation		Y		4
4.8.1	3.8	The Contractor shall not burn debris or other materials on the works areas.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		✓
4.8. 1	3.8	In hot, dry or windy weather, the watering programme shall maintain all exposed road surfaces and dust sources wet.	All unpaved haul roads / throughout construction period in hot, dry or windy weather	Contractor	TMEIA Avoid smoke impacts and disturbance		Y		N/A
4.8.1	3.8	Where breaking of oversize rock/concrete is required, watering shall be implemented to control dust. Water spray shall be used during the handling of fill material at the site and at active cuts, excavation and fill sites where dust is likely to be created.	construction period	Contractor	TMEIA Avoid dust generation		Y		4
4.8. 1	3.8	Open dropping heights for excavated materials shall be controlled to a maximum height of 2m to minimise the fugitive dust arising from unloading.		Contractor	TMEIA Avoid dust generation		Y		N/A
4.8.1	3.8	During transportation by truck, materials shall not be loaded to a level higher than the side and tail boards, and shall be dampened or covered before transport.		Contractor	TMEIA Avoid dust generation		Y		N/A
4.8.1	3.8	Materials having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin. The tarpaulin shall be properly secured and shall extend at least 300mm over the edges of the side and tail boards.	construction period	Contractor	TMEIA Avoid dust generation		Y		N/A
4.8.1	3.8	No earth, mud, debris, dust and the like shall be deposited on public roads. Wheel washing facility shall be usable prior to any earthworks excavation activity on the site.		Contractor	TMEIA Avoid dust		Y		4
4.8.1	3.8	Areas of exposed soil shall be minimised to areas in which works	All exposed surfaces /	Contractor	TMEIA Avoid dust		Y		\checkmark

Legend: D=Design, C=Construction, O=Operation

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Imp	olementa Stages	tion	Status *
	Reference				Requirement	D	С	0	1
		have been completed shall be restored as soon as is practicable.	throughout construction period		generation				
4.8.1	3.8	All stockpiles of aggregate or spoil shall be enclosed or covered and water applied in dry or windy condition.	All areas / throughout construction period	Contractor	TMEIA Avoid dust generation		Y		N/A
4.11	Section 3	EM&A in the form of 1 hour and 24 hour dust monitoring and site audit.	All representative existing ASRs / throughout construction period	Contractor	EM&A Manual		Y		N/A (Results adopted from published EM&A data of Contract No. HY/2012/08)
WATER QUAL	ITY (LAND	WORKS)							
6.10	-	Wastewater from temporary site facilities should be controlled to prevent direct discharge to surface or marine waters.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Sewage effluent and discharges from on-site kitchen facilities shall be directed to Government sewer in accordance with the requirements of the WPCO or collected for disposal offsite. The use of soakaways shall be avoided.	construction period	Contractor	TM-EIAO		Y		×
6.10	-	Storm drainage shall be directed to storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sediment basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		×
6.10	-	Silt removal facilities, channels and manholes shall be maintained and any deposited silt and grit shall be removed regularly, including specifically at the onset of and after each rainstorm.		Contractor	TM-EIAO		Y		×
6.10	-	Temporary access roads should be surfaced with crushed stone or gravel.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		1
6.10	-	Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.		Contractor	TM-EIAO		Y		✓
6.10	-	Measures should be taken to prevent the washout of construction materials, soil, silt or debris into any drainage system.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		×

Legend: D=Design, C=Construction, O=Operation

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Imj	olementa Stages	tion	Status *
	Reference				Requirement	D	С	0	
6.10	-	Open stockpiles of construction materials (e.g. aggregates and sand) on site should be covered with tarpaulin or similar fabric during rainstorms.		Contractor	TM-EIAO		Y		✓
6.10	5.8	Manholes (including any newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers.	construction period	Contractor	TM-EIAO		Y		✓
6.10	-	0	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	All vehicles and plant should be cleaned before they leave the construction site to ensure that no earth, mud or debris is deposited by them on roads. A wheel washing bay should be provided at every site exit.		Contractor	TM-EIAO		Y		✓
6.10	-	Wheel wash overflow shall be directed to silt removal facilities before being discharged to the storm drain.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Section of construction road between the wheel washing bay and the public road should be surfaced with crushed stone or coarse gravel.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Wastewater generated from concreting, plastering, internal decoration, cleaning work and other similar activities, shall be screened to remove large objects.		Contractor	TM-EIAO		Y		✓
6.10	-	Vehicle and plant servicing areas, vehicle wash bays and lubrication facilities shall be located under roofed areas. The drainage in these covered areas shall be connected to foul sewers via a petrol interceptor in accordance with the requirements of the WPCO or collected for off site disposal.	construction period	Contractor	TM-EIAO		Y		N/A
6.10	-	The Contractor shall prepare an oil / chemical cleanup plan and ensure that leakages or spillages are contained and cleaned up immediately.		Contractor	TM-EIAO		Y		✓
6.10	-	Waste oil should be collected and stored for recycling or disposal, in accordance with the Waste Disposal Ordinance.	All areas/ throughout construction period	Contractor	TM-EIAO Waste Disposal Ordinance		Y		✓

Legend: D=Design, C=Construction, O=Operation

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Imj	plementa Stages	tion	Status *
	Reference				Requirement	D	C	0	
6.10	-	All fuel tanks and chemical storage areas should be provided with locks and be sited on sealed areas. The storage areas should be surrounded by bunds with a capacity equal to 110% of the storage capacity of the largest tank.	construction period	Contractor	TM-EIAO		Y		✓
6.10	-	Surface run-off from bunded areas should pass through oil/grease traps prior to discharge to the stormwater system.	All areas/ throughout construction period	Contractor	TM-EIAO		Y		<>
6.10	-	Roadside gullies to trap silt and grit shall be provided prior to discharging the stormwater into the marine environment. The sumps will be maintained and cleaned at regular intervals.		Design Consultant/ Contractor	TM-EIAO	Y		Y	~
6.10	Section 11	All construction works shall be subject to routine audit to ensure implementation of all EIA recommendations and good working practice.	All areas/ throughout construction period	Contractor	EM&A Manual		Y		~
WASTE									
12.6		The Contractor shall identify a coordinator for the management of waste.	Contract mobilisation	Contractor	TMEIA		Y		✓
12.6		The Contractor shall prepare and implement a Waste Management Plan which specifies procedures such as a ticketing system, to facilitate tracking of loads and to ensure that illegal disposal of wastes does not occur, and protocols for the maintenance of records of the quantities of wastes generated, recycled and disposed. A recording system for the amount of waste generated, recycled and disposed (locations) should be established.		Contractor	TMEIA, Works Branch Technical Circular No. 5/99 for the Trip-ticket System for Disposal of Construction and Demolition Material		Y		~
12.6		The Contractor shall apply for and obtain the appropriate licenses for the disposal of public fill, chemical waste and effluent discharges.	Contract mobilisation	Contractor	TMEIA, Land (Miscellaneous Provisions) Ordinance (Cap 28); Waste Disposal Ordinance (Cap 354); Dumping at Sea Ordinance (Cap 466); Water Pollution Control Ordinance.		Y		

EIA Reference	EM&A Manual Reference	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or Requirement	-	lementa Stages		Status *
	Kererence				Requirement	D	C	0	
12.6	8.1	Training shall be provided to workers about the concepts of site cleanliness and appropriate waste management procedures including waste reduction, reuse and recycling.		Contractor	TMEIA		Y		✓
12.6	8.1	The extent of cutting operation should be optimised where possible. Earth retaining structures and bored pile walls should be proposed to minimise the extent of cutting.		Contractor	TMEIA		Y		✓
12.6	8.1	The site and surroundings shall be kept tidy and litter free.	All areas / throughout construction period	Contractor	TMEIA		Y		√
12.6	8.1	No waste shall be burnt on site.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	The Contractor shall be prohibited from disposing of C&D materials at any sensitive locations. The Contractor should propose the final disposal sites in the EMP and WMP for approval before implementation.	construction period	Contractor	TMEIA		Y		✓
12.6	8.1		All areas / throughout construction period	Contractor	TMEIA		Y		\$
12.6	8.1	Excavated material in trucks shall be covered by tarpaulins to reduce the potential for spillage and dust generation.	All areas / throughout construction period	Contractor	TMEIA		Y		~
12.6	8.1	Wheel washing facilities shall be used by all trucks leaving the site to prevent transfer of mud onto public roads.	All areas / throughout construction period	Contractor	TMEIA		Y		√
12.6	8.1	Standard formwork or pre-fabrication should be used as far as practicable so as to minimise the C&D materials arising. The use of more durable formwork/plastic facing for construction works should be considered. The use of wooden hoardings should be avoided and metal hoarding should be used to facilitate recycling. Purchasing of construction materials should avoid over-ordering and wastage.	construction period	Contractor	TMEIA		Y		4

Legend: D=Design, C=Construction, O=Operation

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Imp	plementa Stages	tion	Status *
	Reference				Requirement	D	С	0	
12.6	8.1	The Contractor should recycle as many C&D materials (this is a waste section) as possible on-site. The public fill and C&D waste should be segregated and stored in separate containers or skips to facilitate the reuse or recycling of materials and proper disposal. Where practicable, the concrete and masonry should be crushed and used as fill materials. Steel reinforcement bar should be collected for use by scrap steel mills. Different areas of the sites should be considered for segregation and storage activities.	construction period	Contractor	TMEIA		Y		✓
12.6	8.1	All falsework will be steel instead of wood.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Chemical waste producers should register with the EPD. Chemical waste should be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes as follows: <i>f</i> suitable for the substance to be held, resistant to corrosion, maintained in good conditions and securely closed; <i>f</i> Having a capacity of <450L unless the specifications have been approved by the EPD; and w Chinese according to the instructions prescribed in Schedule 2 of the Regulations. <i>f</i> Clearly labelled and used solely for the storage of chemical wastes; <i>f</i> Enclosed with at least 3 sides; <i>f</i> Impermeable floor and bund with capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in the area, whichever is greatest; <i>f</i> Adequate ventilation; <i>f</i> Sufficiently covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary); and <i>f</i> Incompatible materials are adequately	construction period	Contractor	TMEIA		Y		

Legend: D=Design, C=Construction, O=Operation

EIA Reference	Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Implementation Stages		Status *	
	Reference				Requirement	D	C	0	
		separated.							
12.6	8.1	Waste oils, chemicals or solvents shall not be disposed of to drain,	All areas / throughout construction period	Contractor	TMEIA		Y		\checkmark
12.6	8.1	Adequate numbers of portable toilets should be provided for on- site workers. Portable toilets should be maintained in reasonable states, which will not deter the workers from utilising them.	All areas / throughout construction period	Contractor	TMEIA		Y		✓
12.6	8.1	Night soil should be regularly collected by licensed collectors.	All areas / throughout construction period	Contractor	TMEIA		Y		N/A
12.6	8.1	General refuse arising on-site should be stored in enclosed bins or compaction units separately from C&D and chemical wastes. Sufficient dustbins shall be provided for storage of waste as required under the Public Cleansing and Prevention of Nuisances By- laws. In addition, general refuse shall be cleared daily and shall be disposed of to the nearest licensed landfill or refuse transfer station. Burning of refuse on construction sites is prohibited.	-	Contractor	TMEIA		Y		✓
12.6	8.1	All waste containers shall be in a secure area on hardstanding;	All areas / throughout construction period	Contractor	TMEIA		Y		~
12.6	8.1	Office wastes can be reduced by recycling of paper if such volume is sufficiently large to warrant collection. Participation in a local collection scheme by the Contractor should be advocated. Waste separation facilities for paper, aluminium cans, plastic bottles, etc should be provided on-site.	construction period	Contractor	TMEIA		Y		✓
12.6	Section 8	EM&A of waste handling, storage, transportation, disposal procedures and documentation through the site audit programme shall be undertaken.		Contractor	EM&A Manual		Y		✓

Legend: D=Design, C=Construction, O=Operation

EIA Reference	Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Implementation Stages			Status *
	Reference				Requirement	D	С	0	
10.9		Existing trees on boundary of the Project Area shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas (Tree protection measures will be detailed at Tree Removal Application Stage) (CM1)	during construction	Design Consultant/ Contractor	TMEIA	Y	Y		N/A

Legend: D=Design, C=Construction, O=Operation

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Implementation Stages			Status *
	Reference				Requirement	D	C	0	
10.9	7.6	Trees unavoidably affected by the works shall be transplanted where practical. Trees will be transplanted straight to their final receptor site and not held in a temporary nursery. A detailed Tree Transplanting Specification shall be provided in the Contract Specification. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme (CM2)	during construction	Design Consultant/ Contractor	TMEIA	Y	Y		N/A
10.9	7.6	Hillside and roadside screen planting to proposed roads, associated structures and slope works (CM3)	All areas/detailed design/ during construction/post construction	Design Consultant/ Contractor	TMEIA	Y	Y		N/A
10.9	7.6	Hydroseeding or sheeting of soil stockpiles with visually unobstrusive material (in earth tone) (CM4)	All areas/detailed design/ during construction/post construction	Design Consultant/ Contractor	TMEIA	Y	Y		N/A
10.9	7.6	Screening of construction works by hoardings around works area in visually unobtrusive colours, to screen works (CM5)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		N/A
10.9	7.6	Control night-time lighting and glare by hooding all lights (CM6)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		N/A
10.9	7.6	Ensure no run-off into water body adjacent to the Project Area (CM7)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		N/A
10.9	7.6	Avoidance of excessive height and bulk of buildings and structures (CM8)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		✓
10.9	7.6	Recycle/ Reuse all felled trees and vegetation, e.g. mulching (CM9)	All areas/detailed design/ during construction	Design Consultant/ Contractor	TMEIA	Y	Y		N/A
10.9	7.6	Compensatory tree planting shall be provided to the satisfaction of relevant Government departments. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006 (CM10)	during construction	Design Consultant/ Contractor	TMEIA	Y	Y		N/A
10.9	7.6	Re-vegetation of affected woodland/shrubland with native species (OM1)	All areas/detailed design/ during construction/ during operation	Design Consultant/ Contractor	TMEIA	Y	Y	Y	n/a. To be implemented by AFCD/HyD/L CSD

Legend: D=Design, C=Construction, O=Operation

EIA Reference	EM&A Manual	Environmental Protection Measures	Location/ Timing	Implementation Agent	Relevant Standard or	Implementation Stages			Status *
	Reference				Requirement	D	С	0	
10.9	7.6	Tall buffer screen tree / shrub / climber planting should be incorporated to soften hard engineering structures and facilities (OM2)	All areas/detailed design/ during construction/ during operation	Design Consultant/ Contractor	TMEIA	Y	Y		n/a. To be implemented by AFCD/HyD/L CSD
10.9	7.6	Streetscape elements (e.g. paving, signage, street furniture, lighting etc.) shall be sensitively designed in a manner that responds to the local context, and minimises potential negative landscape and visual impacts. Lighting units should be directional and minimise unnecessary light spill (OM3)	All areas/detailed design/ during construction / during operation	Design Consultant/ Contractor	TMEIA	Y	Y		n/a. To be implemented by HyD/LCSD
10.9	7.6	Structure, ornamental tree / shrub / climber planting should be provided along roadside amenity strips, central dividers and newly formed slopes to enhance the townscape quality and further greenery enhancement (OM4)	All areas/detailed design/ during construction / during operation	Design Consultant/ Contractor	TMEIA	Y	Y		n/a. To be implemented by HyD/LCSD
10.9	7.6	Aesthetically pleasing design (visually unobtrusive and non- reflective) as regard to the form, material and finishes	All areas/detailed design/ during construction / during operation	Design Consultant/ Contractor	TMEIA	Y	Y		n/a. To be implemented by HyD

* Remarks:

- ✓ Compliance of Mitigation Measures
- <> Compliance of Mitigation but need improvement
- x Non-compliance of Mitigation Measures
- ▲ Non-compliance of Mitigation Measures but rectified by Contractor
- Δ Deficiency of Mitigation Measures but rectified by Contractor
- N/A Not Applicable in Reporting Period

Legend: D=Design, C=Construction, O=Operation

Appendix D

Summary of Action and Limit Levels

Parameters	Action	Limit
24 Hour TSP Level in μg/m³	ASR1 = 213	260
	ASR5 = 238	
	AQMS1 = 213	
	ASR6 = 238	
	ASR10 = 214	
1 Hour TSP Level in μg /m³	ASR1 = 331	500
-	ASR5 = 340	
	AQMS1 = 335	
	ASR6 = 338	
	ASR10 = 337	

Table D1Action and Limit Levels for 1-hour and 24-hour TSP

Table D2Actions in the Event of Landfill Gas being Detectedin Excavation / Confined Area

Parameter	Measurement	Action					
Oxygen	< 19%	- Ventilate to restore oxygen to > 19%					
	< 18%	- Stop work					
		- Evacuate personnel / prohibit entry					
		- Increase ventilation to restore to > 19%					
Methane	>10% LEL (>	- Prohibit hot work					
	0.5% v/v)	- Ventilate to restore methane to < 10% LEL					
	> 20% LEL	- Stop work					
	(>1% v/v)	- Evacuate personnel / prohibit entry					
		- Increase ventilation to restore to $< 10\%$					
Carbon Dioxide	> 0.5%	- Ventilate to restore oxygen to < 0.5%					
	> 1.5%	- Stop work					
		- Evacuate personnel / prohibit entry					
		- Increase ventilation to restore to $< 0.5\%$					

Appendix E

Event Action Plan

Appendix E1Event/Action Plan for Air Quality

	ACTION							
EVENT	ET ⁽¹⁾	IEC ⁽¹⁾	ER ⁽¹⁾	Contractor				
Action Level								
1. Exceedance for one	1. Identify the source.	1. Check monitoring data submitted	1. Notify Contractor.	1. Rectify any unacceptable practice				
sample	2. Inform the IEC and the ER.	by the ET.		2. Amend working methods if				
	3. Repeat measurement to confirm finding.	Check Contractor's working method.		appropriate				
	 Increase monitoring frequency to daily. 							
2. Exceedance for two	1. Identify the source.	submitted by the ET.2. Check the Contractor's working method.3. Discuss with the ET and the Contractor on possible remedial	1. Confirm receipt of notification of	1. Submit proposals for remedial				
or more consecutive	2. Inform the IEC and the ER.		failure in writing.	actions to IEC within 3 working				
samples	3. Repeat measurements to confirm		2. Notify the Contractor.	days of notification				
	findings.		3. Ensure remedial measures properly	2. Implement the agreed proposals				
	 Increase monitoring frequency to daily. 		implemented.	3. Amend proposal if appropriate				
	5. Discuss with the IEC and the	measures.						
	Contractor on remedial actions required.	 Advise the ER on the effectiveness of the proposed remedial measures. Supervise implementation of 						
	6. If exceedance continues, arrange							
	meeting with the IEC and the ER.	remedial measures.						
	7. If exceedance stops, cease additional monitoring.							

	ACTION						
EVENT	ET ⁽¹⁾	IEC ⁽¹⁾	ER ⁽¹⁾	Contractor			
Limit Level							
1. Exceedance for one	1. Identify the source.	1. Check monitoring data submitted	1. Confirm receipt of notification of	1. Take immediate action to avoid			
sample	2. Inform the ER and the DEP.	by the ET.	failure in writing.	further exceedance			
	Repeat measurement to confirm finding.	2. Check Contractor's working method.	 2. Notify the Contractor. 3. Ensure remedial measures are 	2. Submit proposals for remedial actions to IEC within 3 working days of notification			
	 Increase monitoring frequency to daily. 	3. Discuss with the ET and the Contractor on possible remedial	properly implemented.	3. Implement the agreed proposals			
	5. Assess effectiveness of Contractor's remedial actions and keep the IEC, the DEP and the ER informed of	measures. 4. Advise the ER on the effectiveness of the proposed remedial measures.		4. Amend proposal if appropriate			
	the results.	5. Supervise implementation of remedial measures.					
2. Exceedance for two or more consecutive	1. Notify the IEC, the ER, the DEP and the Contractor.	 the Contractor on the potential remedial actions. 2. Review the Contractor's remedial actions whenever 	 Confirm receipt of notification of failure in writing. 	1. Take immediate action to avoid further exceedance.			
samples	2. Identify the source.		2. Notify the Contractor.	2. Submit proposals for remedial			
	3. Repeat measurements to confirm findings.		3. In consultation with the IEC, agree with the Contractor on the	actions to IEC within 3 working days of notification.			
	4. Increase monitoring frequency to	necessary to assure their effectiveness and advise the ER	remedial measures to be	3. Implement the agreed proposals.			
	daily.accordingly.5. Carry out analysis of the Canturater's quarking3. Supervise the implication		implemented.	4. Resubmit proposals if problem sti			
		3. Supervise the implementation of	 Ensure remedial measures are properly implemented. 	not under control.			
		remedial measures.	 If exceedance continues, consider what activity of the work is responsible and instruct the 	5. Stop the relevant activity of works as determined by the ER until the exceedance is abated.			
	 Arrange meeting with the IEC and the ER to discuss the remedial actions to be taken. 		Contractor to stop that activity of work until the exceedance is abated.				
	7. Assess effectiveness of the Contractor's remedial actions						

and keep the IEC, the DEP and the ER informed of the results.

8. If the exceedance stops, cease additional monitoring.

Abbreviations: ET - Environmental Team, IEC - Independent Environmental Checker, ER - Engineer's Representative, DEP - Director of Environmental Protection

Appendix F

EM&A Monitoring Schedule

HY/2017/10 Tuen Mun - Chek Lap Kok Link - Northern Tunnel Connection Buildings, E&M Works Landfill Gas Monitoring Schedule (1 to 31 May 2019)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1-May	2-May	-	-
				LFG Monitoring (a.m. &		LFG Monitoring (a.m. &
				p.m.)	p.m.)	p.m.)
5-May	-	-	-		-	-
	LFG Monitoring (a.m. & p.m.)			LFG Monitoring (a.m. &		LFG Monitoring (a.m. &
		p.m.)	p.m.)	p.m.)	p.m.)	p.m.)
12-May	13-May		-	16-May	17-May	18-May
		LFG Monitoring (a.m. &	LFG Monitoring (a.m. &			
		p.m.)	p.m.)			
19-May	20-May	21-May	22-May	23-May	24-May	25-May
26-May	27-May	28-May	29-May	30-May	31-May	

Appendix G

Calibration Certificate of Monitoring Equipment



The Safety Company MSA Corporate Center • 1000 Cranberry Woods Drive • Cranberry Township, PA 16066 www.msasafety.com

Telephone: (800) MSA-2222

ALTAIR5X CERTIFICATE OF CALIBRATION

Serial Number: 145986

Part Number: A-ALT5X-B-N-K-0-0-B-0-T-0-0-0

1

Factory Calibration Date: 11/26/18

Set Points

	METHANE 0-100.00 %LEL	O2 0-30.00 %VOL	CO2 0-9.99 %VOL
♥ (Low)	10.00 %LEL	19.50 %VOL	0.50 %VOL
🛧 (High)	20.00 %LEL	23.00 %VOL	1.50 %VOL
STEL			0.50 %VOL
TWA			1.50 %VOL
Calibrated Value	Methane 1.457 %VOL	O2 15.00 %VOL	CO2 2.502 %VOL
Cylinder Lot #	122- 401167301-1	122- 401167301-1	141- 401019452- 1N461052

Calibration Certification

All applicable inspections, testing, and calibrations were performed using NIST traceable equipment, where available, in accordance with MSA's ISO 9001 Certified Quality System. Each material, component, and/or instrument must be installed, operated and maintained in strict accordance with its labels, cautions, warnings, instructions, and within the limitations stated in the supplied instruction manual. Routine calibration checks, equipment inspections, and applicable preventative maintenance measures must be performed to verify that the materials, components, and/or instruments are operating properly. Failure to perform these tasks on a routine basis, or suggested intervals, with specified equipment or methods, may result in inaccurate readings.

Conformance Statement

MSA certifies that the materials, components, and/or instruments delivered in this shipment conform to all applicable specifications. The items delivered have been processed through the appropriate approved document controlled procedures for Receiving, Manufacturing and Inspection. The materials, components, and/or instruments were inspected, tested, and calibrated, as applicable, per the associated drawings, standards requirements, and/or specifications, and were deemed acceptable by appropriate authorized personnel.

Process Certified By:

Calibrated By: Ca. Mccandless

HOFFMAN OUALITY ENGINEER

Appendix H

Landfill Gas Monitoring Results and Graphical Presentation

Landfill Gas Monitoring Results on Methane Level

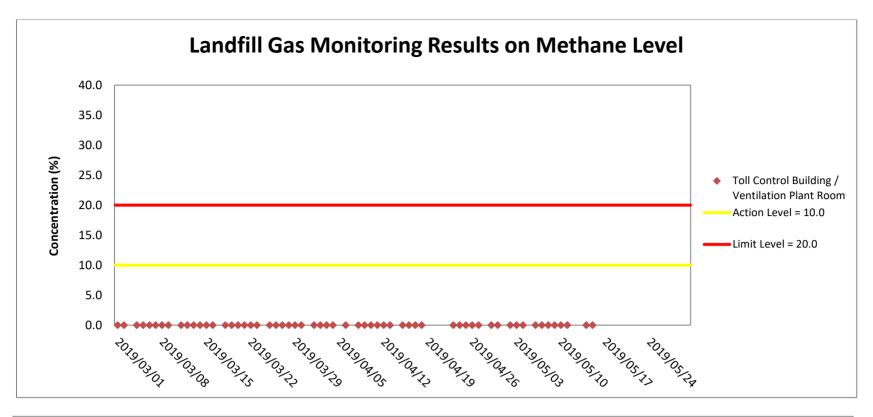
Project	Works	Date(yyyy-mm-dd)	Monitoring Location	Time (hh:mm, 24hour)	Results (%)	Action Level (%)	Limit Level (%)
TMCLKL	HY/2017/10	2019/05/02	Ventilation Plant Room	18:15	0		
TMCLKL	HY/2017/10	2019/05/02	Ventilation Plant Room	23:15	0		
TMCLKL	HY/2017/10	2019/05/03	Ventilation Plant Room	4:15	0		
TMCLKL	HY/2017/10	2019/05/03	Ventilation Plant Room	9:15	0		
TMCLKL	HY/2017/10	2019/05/04	Ventilation Plant Room	14:15	0		
TMCLKL	HY/2017/10	2019/05/04	Ventilation Plant Room	19:15	0		
TMCLKL	HY/2017/10	2019/05/06	Ventilation Plant Room	0:15	0		
TMCLKL	HY/2017/10	2019/05/06	Ventilation Plant Room	5:15	0		
TMCLKL	HY/2017/10	2019/05/07	Ventilation Plant Room	10:15	0		
TMCLKL	HY/2017/10	2019/05/07	Ventilation Plant Room	15:15	0		
TMCLKL	HY/2017/10	2019/05/08	Ventilation Plant Room	20:15	0	10.0	20.0
TMCLKL	HY/2017/10	2019/05/08	Ventilation Plant Room	1:15	0	10.0	20.0
TMCLKL	HY/2017/10	2019/05/09	Ventilation Plant Room	6:15	0		
TMCLKL	HY/2017/10	2019/05/09	Ventilation Plant Room	11:15	0		
TMCLKL	HY/2017/10	2019/05/10	Ventilation Plant Room	16:15	0		
TMCLKL	HY/2017/10	2019/05/10	Ventilation Plant Room	21:15	0		
TMCLKL	HY/2017/10	2019/05/11	Ventilation Plant Room	2:15	0		
TMCLKL	HY/2017/10	2019/05/11	Ventilation Plant Room	7:15	0		
TMCLKL	HY/2017/10	2019/05/14	Ventilation Plant Room	12:15	0		
TMCLKL	HY/2017/10	2019/05/14	Ventilation Plant Room	17:15	0		
TMCLKL	HY/2017/10	2019/05/15	Ventilation Plant Room	22:15	0		
TMCLKL	HY/2017/10	2019/05/15	Ventilation Plant Room	3:15	0		
				Average	0		
				Min.	0		
			Ī	Max.	0		

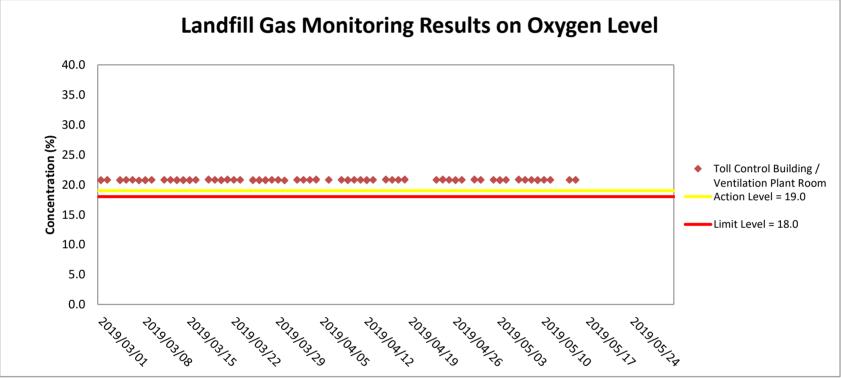
Landfill Gas Monitoring Results on Oxygen Level

Project	Works	Date(yyyy-mm-dd)	Station	Time (hh:mm, 24hour)	Results (%)	Action Level (%)	Limit Level (%)
TMCLKL	HY/2017/10	2019/05/02	Ventilation Plant Room	8:15	20.8		
TMCLKL	HY/2017/10	2019/05/02	Ventilation Plant Room	13:15	20.8		
TMCLKL	HY/2017/10	2019/05/03	Ventilation Plant Room	8:15	20.7		
TMCLKL	HY/2017/10	2019/05/03	Ventilation Plant Room	13:15	20.8		
TMCLKL	HY/2017/10	2019/05/04	Ventilation Plant Room	8:15	20.8		
TMCLKL	HY/2017/10	2019/05/04	Ventilation Plant Room	13:15	20.8		
TMCLKL	HY/2017/10	2019/05/06	Ventilation Plant Room	8:15	20.8		
TMCLKL	HY/2017/10	2019/05/06	Ventilation Plant Room	13:15	20.9		
TMCLKL	HY/2017/10	2019/05/07	Ventilation Plant Room	8:15	20.8		
TMCLKL	HY/2017/10	2019/05/07	Ventilation Plant Room	13:15	20.8		
TMCLKL	HY/2017/10	2019/05/08	Ventilation Plant Room	8:15	20.8	19.0	18.0
TMCLKL	HY/2017/10	2019/05/08	Ventilation Plant Room	13:15	20.8	19.0	10.0
TMCLKL	HY/2017/10	2019/05/09	Ventilation Plant Room	8:15	20.8		
TMCLKL	HY/2017/10	2019/05/09	Ventilation Plant Room	13:15	20.7		
TMCLKL	HY/2017/10	2019/05/10	Ventilation Plant Room	8:15	20.8		
TMCLKL	HY/2017/10	2019/05/10	Ventilation Plant Room	13:15	20.8		
TMCLKL	HY/2017/10	2019/05/11	Ventilation Plant Room	8:15	20.8		
TMCLKL	HY/2017/10	2019/05/11	Ventilation Plant Room	13:15	20.8		
TMCLKL	HY/2017/10	2019/05/14	Ventilation Plant Room	8:15	20.8		
TMCLKL	HY/2017/10	2019/05/14	Ventilation Plant Room	13:15	20.8		
TMCLKL	HY/2017/10	2019/05/15	Ventilation Plant Room	8:15	20.8		
TMCLKL	HY/2017/10	2019/05/15	Ventilation Plant Room	13:15	20.8		
				Average	20.8		
				Min.	20.7		
			The second se	Max.	20.9		

Landfill Gas Monitoring Results on Carbon Dioxide Level

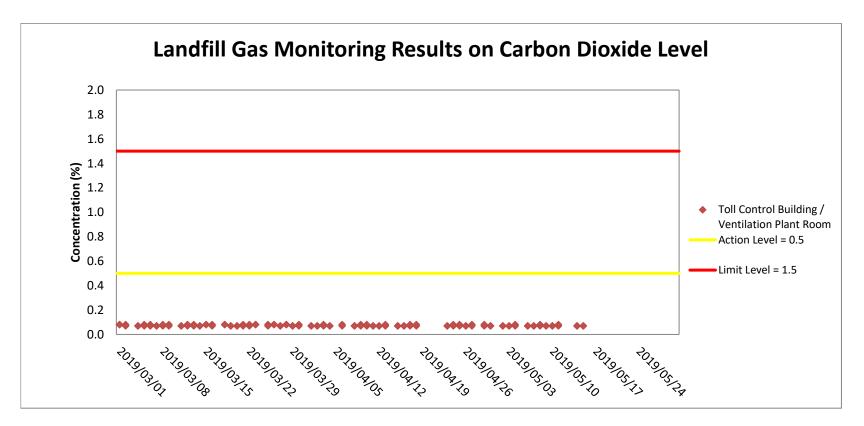
Project	Works	Date(yyyy-mm-dd)	Station	Time (hh:mm, 24hour)	Results (%)	Action Level (%)	Limit Level (%)
TMCLKL	HY/2017/10	2019/05/02	Ventilation Plant Room	8:15	0.07		
TMCLKL	HY/2017/10	2019/05/02	Ventilation Plant Room	13:15	0.07		
TMCLKL	HY/2017/10	2019/05/03	Ventilation Plant Room	8:15	0.07		
TMCLKL	HY/2017/10	2019/05/03	Ventilation Plant Room	13:15	0.07		
TMCLKL	HY/2017/10	2019/05/04	Ventilation Plant Room	8:15	0.07		
TMCLKL	HY/2017/10	2019/05/04	Ventilation Plant Room	13:15	0.08		
TMCLKL	HY/2017/10	2019/05/06	Ventilation Plant Room	8:15	0.07		
TMCLKL	HY/2017/10	2019/05/06	Ventilation Plant Room	13:15	0.07		
TMCLKL	HY/2017/10	2019/05/07	Ventilation Plant Room	8:15	0.07		
TMCLKL	HY/2017/10	2019/05/07	Ventilation Plant Room	13:15	0.07		
TMCLKL	HY/2017/10	2019/05/08	Ventilation Plant Room	8:15	0.07	0.5	1.5
TMCLKL	HY/2017/10	2019/05/08	Ventilation Plant Room	13:15	0.08	0.5	1.5
TMCLKL	HY/2017/10	2019/05/09	Ventilation Plant Room	8:15	0.07		
TMCLKL	HY/2017/10	2019/05/09	Ventilation Plant Room	13:15	0.07		
TMCLKL	HY/2017/10	2019/05/10	Ventilation Plant Room	8:15	0.07		
TMCLKL	HY/2017/10	2019/05/10	Ventilation Plant Room	13:15	0.07		
TMCLKL	HY/2017/10	2019/05/11	Ventilation Plant Room	8:15	0.07		
TMCLKL	HY/2017/10	2019/05/11	Ventilation Plant Room	13:15	0.08		
TMCLKL	HY/2017/10	2019/05/14	Ventilation Plant Room	8:15	0.07		
TMCLKL	HY/2017/10	2019/05/14	Ventilation Plant Room	13:15	0.07		
TMCLKL	HY/2017/10	2019/05/15	Ventilation Plant Room	8:15	0.07		
TMCLKL	HY/2017/10	2019/05/15	Ventilation Plant Room	13:15	0.07		
				Average	0.07		
				Min.	0.07		
				Max.	0.08		





Weather condition within the reporting period was sunny to rainy

Major construction works undertaken within the reporting period include Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Toll Control Building, Electrical and Mechanical Works at Ventilation Plant Room, North Ventilation Room and Tunnel, Building Structure at Administration Building, Maintenance Depot, Fire Services Building, Customs and Excise Building and Satellite Control Building and Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2 and Underpass at C3 area.



Weather condition within the reporting period was sunny to rainy

Major construction works undertaken within the reporting period include Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Toll Control Building, Electrical and Mechanical Works at Ventilation Plant Room, North Ventilation Room and Tunnel, Building Structure at Administration Building, Maintenance Depot, Fire Services Building, Customs and Excise Building and Satellite Control Building and Electrical and Mechanical Works and Architectural Builder's Work and Finishes at Kiosk N2 and Underpass at C3 area.

Appendix I

Monthly Summary of Waste Flow Table

Contract No. : HY/2017/10 Tuen Mun Chek Lap Kok Link – Northern Connection Tunnel Buildings, Electrical and Mechanical Works Monthly Summary Waste Flow Table for 2019 (Year)

	Actual Quantities of Inert C&D Materials Generation Actual Quantities of C&D wastes Generation			Actu	al Quantities of R	ecyclables Genera	ation					
Month\Material	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fills	Imported Fill	Chemical Waste	General Refuse	Metals	Felled trees	Paper/ cardboard packaging	Plastics
Unit	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000m ³)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)	('000Kg)
Jan	2.089	-	0.150	-	1.939	-	-	74.680	-	-	0.042	-
Feb	2.474	0.008	0.345	-	2.129	-	-	67.230	-	-	0.049	-
Mar	0.079	0.060	-	-	0.079	-	-	73.690	-	-	-	-
Apr	0.013	-	-	-	0.013	-	-	56.730	-	-	-	-
Мау	-	-	-	-	-	-	-	62.240	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-	-
SUB-TOTAL	4.654	0.068	0.494	0.000	4.160	0.000	0.000	334.570	0.000	0.000	0.091	0.000
Jul	-	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-		-
Nov	-	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	4.654	0.068	0.494	0.000	4.160	0.000	0.000	334.570	0.000	0.000	0.091	0.000

Notes :

1 - The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

2 - Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.

3 - Broken concrete for recycling into aggregates.

4 - Assumed 5 kg per damaged water-filled barrier.

5 - Disposed as Public Fills includes Hard Rock and Large Broken Concrete.

Appendix J

Cumulative Statistics on Exceedances, Complaints, Notifications of Summons and Successful Prosecutions

Appendix J1 Cumulative Statistics on Exceedances

		Total No. recorded in this reporting month	Total No. recorded since contract commencement
1-Hr TSP	Action	2	25
	Limit	0	2
24-Hr TSP	Action	1	2
	Limit	0	0

Appendix J2 Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	Cumulative Statistics					
—	Complaints	Notifications of	Successful			
		Summons	Prosecutions			
This Reporting	1	0	0			
Month (May 2019)						
Total No. received	1	0	0			
since contract						
commencement						

Email message

message		Resources Management
То	Ramboll Hong Kong Limited (ENPO)	2507, 25/F One Harbourfront, 18 Tak Fung Street,
From	ERM- Hong Kong, Limited	Hung Hom, Hong Kong Telephone: (852) 2271 3113 Facsimile: (852) 2723 5660
Ref/Project number	Contract No. HY/2017/10 Tuen Mun - Chek Lap Kok Link - Northern Connection Tunnel Buildings, Electrical and Mechanical Works	E-mail: jasmine.ng@erm.com
Subject	Notification of Exceedance for Air Quality Impact Monitoring	ERM
Date	3 June 2019	

Environmental

Dear Sir/ Madam,

Please find attached the Notification of Exceedance (NOE) of the following Log no.:

Action Level Exceedance 0463091_11May2019_1hrTSP_Station ASR1

One (1) exceedance was recorded on 11 May 2019.

Regards,

amin

Dr Jasmine Ng Environmental Team Leader

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ERM-Hong Kong, Limited

CONTRACT NO. HY/2017/10 TUEN MUN – CHEK LAP KOK LINK – NORTHERN CONNECTION TUNNEL BUILDINGS, ELECTRICAL AND MECHANICAL WORKS

Air Quality Impact Monitoring

Notification of Exceedance

Log No.	Action Level Exceedance						
205110.							
	0463091_11May2019_1hrTSP_Station ASR1						
		[Total No. of Exceedances = 1]					
Date		11 May 2019 (Measured)					
	27 May	7 2019 (Results obtained from ENPO Website)					
Monitoring Station		ASR1, ASR5, ASR6, ASR10, AQMS1					
Parameter(s) with Exceedance(s)	1-hr TSP						
Action Levels	1-hr TSP (μg/m³)	ASR1 = 331 ASR5 = 340 ASR6 = 338 ASR10 = 335 AQMS1 = 337					
Limit Levels	1-hr TSP (μg/m ³)	500					
Measured Levels	Refer to the attached data sheet	t.					
Works Undertaken (at the time of monitoring event)	Building structure at Adm	Contract on 11 May 2019 included: inistration Building, Maintenance Depot, Customs and Excise Building (<i>refer to Contractor's photo</i>)					
Possible Reason for	The exceedances are unlikely to	be due to the Contract, in view of the following:					
Action or Limit Level	Apart from exceedance	of 1-hr TSP at ASR1 during 09:03 – 10:03 on 11 May 2019, all 1-hr					
Exceedance(s)		hr TSP levels at all monitoring stations were in compliance with the					
	Action and Limit Levels	5					
		corded wind direction (ranged between 95° and 98°, blowing from					
		uring the works period, no works area under this contract is located					
	upstream of Station ASI						
Astions Tales /T. D.		ances are unlikely to be due to the Contract.					
Actions Taken / To Be Taken		ded to ensure all dust suppression measures are implemented at the for future trends in exceedances.					
Remarks							
Nemat K5	0	fay 2019 and locations of air quality monitoring stations are attached. under this Contract is attached. The attached wind data on 11 May					
	2019 is sourced from <i>Contract</i> N	-					

Results of Air Quality Monitoring

				Time (hh:mm,			
Project	Works	Date (yyyy-mm-dd)	Station	24hour)	Parameter	Results	Unit
TMCLKL	HY/2012/08	2019-05-11	AQMS1	9:15	1-hour TSP	95	ug/m3
TMCLKL	HY/2012/08	2019-05-11	AQMS1	10:17	1-hour TSP	105	ug/m3
TMCLKL	HY/2012/08	2019-05-11	AQMS1	11:19	1-hour TSP	99	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR1	9:03	1-hour TSP	339	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR1	10:05	1-hour TSP	129	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR1	11:07	1-hour TSP	122	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR10	8:30	1-hour TSP	73	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR10	9:32	1-hour TSP	52	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR10	10:34	1-hour TSP	60	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR5	8:52	1-hour TSP	126	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR5	9:54	1-hour TSP	124	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR5	10:56	1-hour TSP	194	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR6	8:41	1-hour TSP	90	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR6	9:43	1-hour TSP	85	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR6	10:45	1-hour TSP	137	ug/m3
TMCLKL	HY/2012/08	2019-05-11	AQMS1	12:21	24-hour TSP	41	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR1	12:09	24-hour TSP	87	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR10	11:36	24-hour TSP	48	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR5	11:58	24-hour TSP	67	ug/m3
TMCLKL	HY/2012/08	2019-05-11	ASR6	11:47	24-hour TSP	49	ug/m3

Note:

Indicates Exceedance of Action Level Indicates Exceedance of Limit Level

PHOTO BY CONTRACTOR ON 11 MAY 2019

Photo 1 - Building structure was conducted at works area of Customs and Excise Building

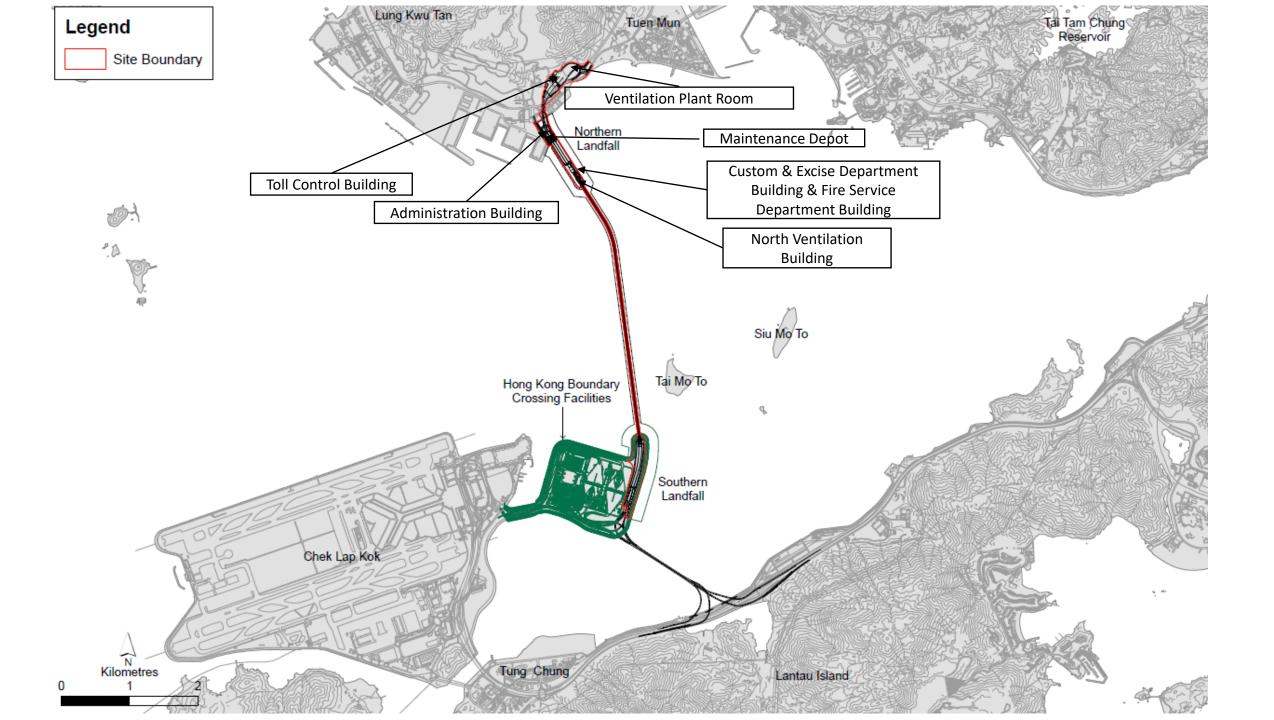


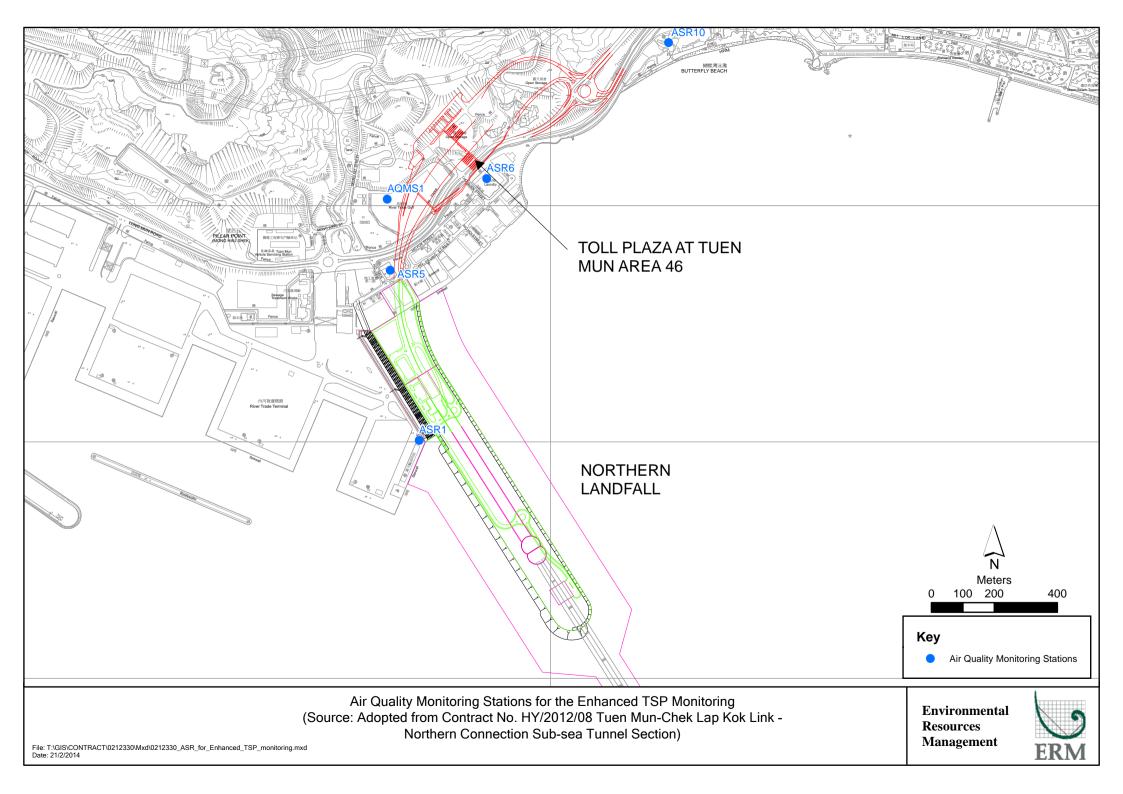
Photo 2 - Building structure was conducted at works area of Administration Building



	Meteorological	Data for Impact Monitoring in t	the reporting period*
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Director (degree)
19/05/11	0:00	0.9	14
19/05/11	1:00	0	46
19/05/11	2:00	0.0	34
19/05/11	3:00	0.9	46
19/05/11	4:00	0.4	49
19/05/11	5:00	0.4	100
19/05/11	6:00	0.4	39
19/05/11	7:00	0.9	70
19/05/11	8:00	1.8	42
19/05/11	9:00	2.7	98
19/05/11	10:00	2.7	95
19/05/11	11:00	1.8	122
19/05/11	12:00	1.3	218
19/05/11	13:00	1.3	275
19/05/11	14:00	2.2	191
19/05/11	15:00	2.2	194
19/05/11	16:00	2.2	196
19/05/11	17:00	2.2	191
19/05/11	18:00	0.9	84
19/05/11	19:00	2.2	39
19/05/11	20:00	2.2	49
19/05/11	21:00	2.2	60
19/05/11	22:00	3.1	95
19/05/11	23:00	3.1	67

*Wind data is sourced from Contract No. HY/2012/08 Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-sea Tunnel Section





Email message

message		Resources Management
То	Ramboll Hong Kong Limited (ENPO)	2507, 25/F One Harbourfront, 18 Tak Fung Street,
From	ERM- Hong Kong, Limited	Hung Hom, Hong Kong Telephone: (852) 2271 3113 Facsimile: (852) 2723 5660
Ref/Project number	Contract No. HY/2017/10 Tuen Mun – Chek Lap Kok Link – Northern Connection Tunnel Buildings, Electrical and	E-mail: jasmine.ng@erm.com
	Mechanical Works	
Subject	Notification of Exceedance for Air Quality Impact Monitoring	ERM
Date	3 June 2019	

Environmental

Dear Sir/ Madam,

Please find attached the Notification of Exceedance (NOE) of the following Log no.:

<u>Action Level Exceedance</u> 0463091_23May2019_1hrTSP_Station ASR1 0463091_23May2019_24hrTSP_Station ASR1

Two (2) exceedance was recorded on 23 May 2019.

Regards,

Jamin

Dr Jasmine Ng Environmental Team Leader

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ERM-Hong Kong, Limited

CONTRACT NO. HY/2017/10 TUEN MUN – CHEK LAP KOK LINK – NORTHERN CONNECTION TUNNEL BUILDINGS, ELECTRICAL AND MECHANICAL WORKS

Air Quality Impact Monitoring

Notification of Exceedance

Log No.		Action Level Exceedance			
LUG INU.	Action Level Exceedance				
	0463091_23May2019_1hrTSP_Station ASR1				
	0463091_23May2019_24hrTSP_Station ASR1				
		[Total No. of Exceedances = 2]			
Date	23 May 2019 (Measured)				
	3 June 2019 (Results obtained from ENPO Website)				
Monitoring Station	ASR1, ASR5, ASR6, ASR10, AQMS1				
Parameter(s) with	1- hr TSP				
Exceedance(s)	24-hr TSP				
Action Levels	1-hr TSP ($\mu g/m^3$)	ASR1 = 331			
		ASR5 = 340			
		ASR6 = 338			
		ASR10 = 335 AQMS1 = 337			
	24-hr TSP (μg/m ³)	ASR1 = 213			
	24-11 101 (µg/111)	ASR5 = 238			
		AQMS1 = 213			
		ASR6 = 238			
		ASR0 = 238 ASR10 = 214			
Limit Levels	1 by TCD $(u = /m^2)$	500			
	1-hr TSP ($\mu g/m^3$)	260			
Measured Levels	24-hr TSP (μ g/m ³)				
	Refer to the attached data sheet				
Works Undertaken (at	Works under taken under this Contract on 23 and 24 May 2019 included:				
the time of monitoring	 Building structure at Administration Building, Maintenance Depot, Customs and Excise Building and Fire Services Building (<i>refer to Contractor's photo</i>) 				
event)	bunding and the services bunding (rejer to contractor's photo)				
Possible Reason for	The exceedances are unlikely to	be due to the Contract, in view of the following:			
Action or Limit Level	Apart from exceedance of	of 1-hr TSP at ASR1 during 13:44-14:44 on 23 May 2019 and 24-hr TSP			
Exceedance(s)	at ASR1 during 23 May 2019 16:50 to 24 May 2019 16:50, all 1-hr TSP levels and other 24-hr				
	TSP levels at all monitoring stations were in compliance with the Action and Limit Levels on				
	the same day.				
	 With reference to the recorded wind direction (ranged between 84° and 105° when 1-hr TSP 				
	exceedance was recorded and ranged between 59° to 101° when 24-hr TSP exceedance were				
	recorded blowing from an easterly direction) during the works period, no works area under				
	this contract is located upstream of Station ASR1.				
	Based on the above, the exceedances are unlikely to be due to the Contract.				
Actions Taken / To Be		ded to ensure all dust suppression measures are implemented at the			
Taken		for future trends in exceedances.			
Remarks					
A children o	The monitoring results on 23 May 2019 and locations of air quality monitoring stations are attached. The location of the works area under this Contract is attached. The attached wind data on 23 and				
	24 May 2019 is sourced from <i>Contract No. HY/2012/08</i> for reference.				
	24 Iviay 2019 15 Sourced Holli Co	<i>minut</i> 1v0, 111/2012/00 101 Telefence.			

Results of Air Quality Monitoring

				Time (hh:mm,			
Project	Works	Date (yyyy-mm-dd)	Station	24hour)	Parameter	Results	Unit
TMCLKL	HY/2012/08	2019-05-23	AQMS1	13:55	1-hour TSP	145	ug/m3
TMCLKL	HY/2012/08	2019-05-23	AQMS1	14:57	1-hour TSP	83	ug/m3
TMCLKL	HY/2012/08	2019-05-23	AQMS1	15:59	1-hour TSP	80	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR1	13:44	1-hour TSP	408	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR1	14:46	1-hour TSP	169	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR1	15:48	1-hour TSP	191	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR10	13:13	1-hour TSP	122	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR10	14:15	1-hour TSP	37	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR10	15:17	1-hour TSP	49	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR5	13:33	1-hour TSP	215	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR5	14:35	1-hour TSP	72	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR5	15:37	1-hour TSP	105	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR6	13:23	1-hour TSP	167	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR6	14:25	1-hour TSP	60	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR6	15:27	1-hour TSP	93	ug/m3
TMCLKL	HY/2012/08	2019-05-23	AQMS1	17:01	24-hour TSP	67	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR1	16:50	24-hour TSP	217	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR10	16:19	24-hour TSP	51	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR5	16:39	24-hour TSP	80	ug/m3
TMCLKL	HY/2012/08	2019-05-23	ASR6	16:29	24-hour TSP	71	ug/m3

Note:

Indicates Exceedance of Action Level Indicates Exceedance of Limit Level

Photo 1 - Building structure was conducted at works area of Customs and Excise Building (23 May 2019)



Photo 2- Building structure was conducted at works area of Customs and Excise Building (24 May 2019)

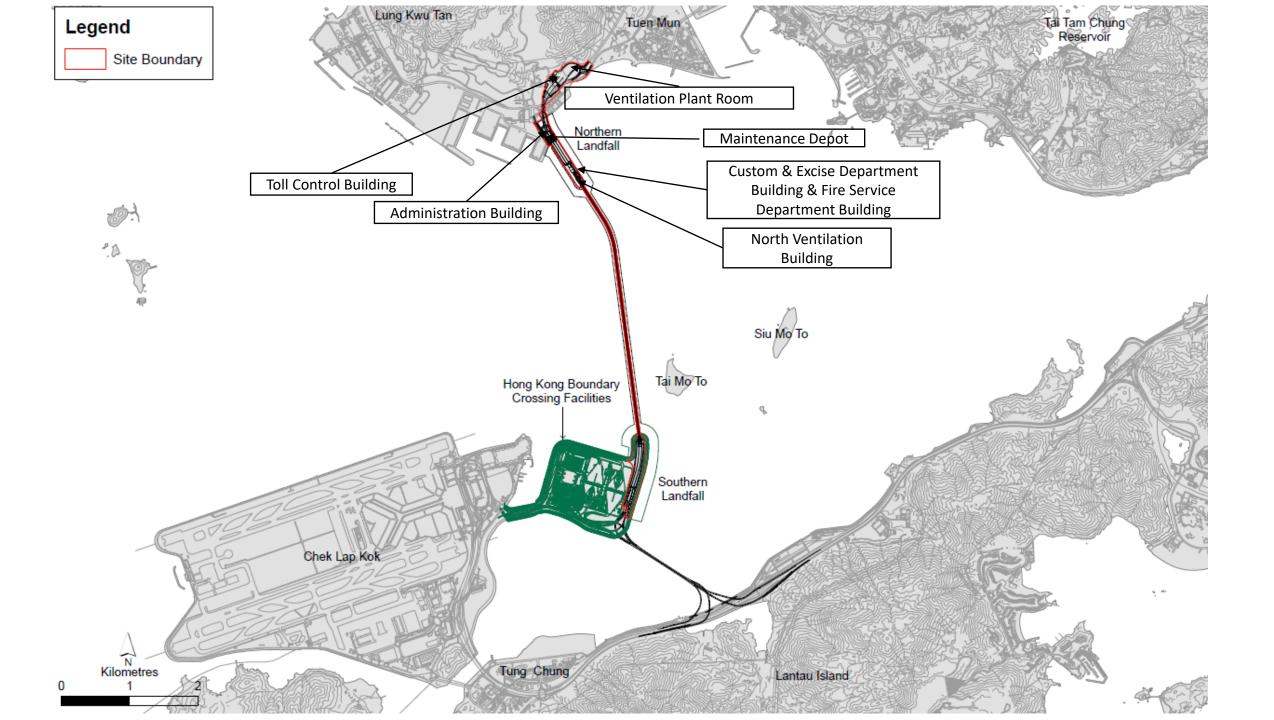


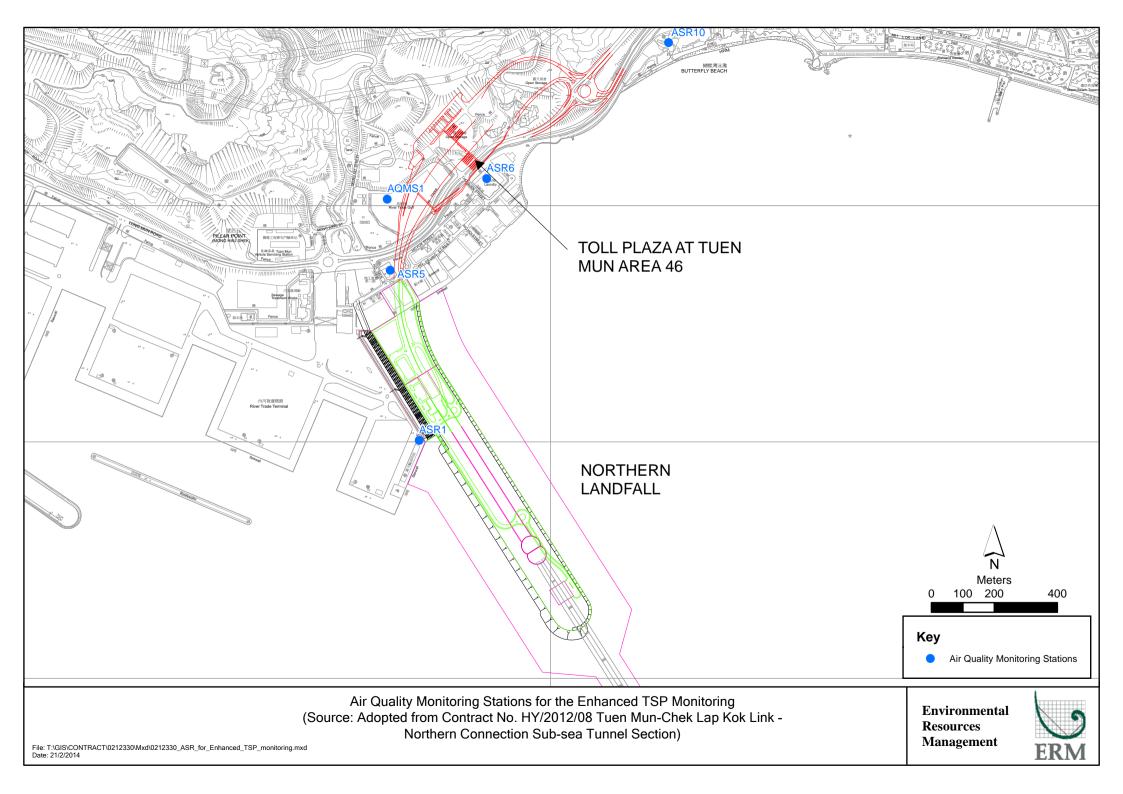
Photo 3 - Building structure was conducted at works area of Maintenance Depot (24 May 2019)



]	Meteorological	Data for Impact Monitoring in t	he reporting period*
Date (yy-mm-dd)	Time (24hrs)	Average of Wind Speed (m/s)	Average of Wind Director (degree)
19/05/23	0:00	1.8	71
19/05/23	1:00	2.2	83
19/05/23	2:00	2.2	93
19/05/23	3:00	1.8	97
19/05/23	4:00	1.8	60
19/05/23	5:00	1.8	67
19/05/23	6:00	2.2	99
19/05/23	7:00	1.8	82
19/05/23	8:00	2.2	83
19/05/23	9:00	2.7	95
19/05/23	10:00	2.7	82
19/05/23	11:00	3.1	97
19/05/23	12:00	2.2	92
19/05/23	13:00	2.7	84
19/05/23	14:00	4	105
19/05/23	15:00	3.1	84
19/05/23	16:00	3.6	86
19/05/23	17:00	3.1	91
19/05/23	18:00	3.1	101
19/05/23	19:00	3.1	86
19/05/23	20:00	3.6	65
19/05/23	20:00	4	85
19/05/23	22:00	4.5	100
19/05/23	23:00	4.5	82
19/05/24	0:00	3.6	97
19/05/24	1:00	2.7	60
19/05/24	2:00	3.1	75
19/05/24	3:00	3.1	73
19/05/24	4:00	3.1	59
19/05/24	5:00	3.1	60
	6:00	3.1	64
19/05/24	1		91
19/05/24	7:00 8:00	4.5	89
19/05/24			87
19/05/24	9:00	4.9	
19/05/24	10:00	4.5	100
19/05/24	11:00	4.5	81
19/05/24	12:00	4.5	101
19/05/24	13:00	4.9	100
19/05/24	14:00	4.5	81
19/05/24	15:00	4.5	80
19/05/24	16:00	4.5	80
19/05/24	17:00	4.5	86
<u>19/05/24</u> 19/05/24	18:00 19:00	4.5 4	93 63
19/05/24	20:00	4	75
19/05/24	21:00	4.5	87
19/05/24	22:00	4.9	87
19/05/24	23:00	4.5	84

*Wind data is sourced from Contract No. HY/2012/08 Tuen Mun - Chek Lap Kok Link - Northern Connection Sub-sea Tunnel Section





ENVIRONMENTAL COMPLAINT/ ENQUIRY FORM



Complaint/ Enquiry Received*
Date: 22 May 2019
Time: Undisclosed
From: Environmental Protection Department (EPD)
Via: Email
Complainant/ Enquirer*:
Name: Undisclosed
Tel: Undisclosed
Address: Undisclosed
Media: Dust / Other
Description: A complaint was received by EPD regarding construction dust nuisance at Northern Landfall of the sub-sea tunnel
of Tuen Mun - Chek Lap Kok Link. The complaint reported that dust nuisance was generated at near the River Trade
Terminal and Chu Kong Warehouse. The Environmental Team (ET) received the complaint notification from the
Independent Environmental Checker (IEC) on 22 May 2019.

Investigation Report & Response

Site records provided by the Contractor were reviewed upon receiving the complaint. Based on the site records, major works under this Contract included structure building at Maintenance Depot and Administration Building near the River Trade Terminal and Chu Kong Warehouse which are not major dust generating works.

Site inspection was carried out on 24 May 2019. During the site inspection, no particular finding was observed. There were no major unpaved roads in the site boundary of this Contract and majors works under this contract near the River Trade Terminal and Chu Kong Warehouse were structure building which are not major dust generating works (see *Annex A*). Construction site boundary under this Contract is shown in *Figure 1*.

Action level exceedances on 1-hour TSP and 24-hour TSP at ASR1 were recorded on 23 May 2019. However, as the complaint was received on 22 May 2019, it is not likely to be related to the exceedances recorded on 23 May 2019.

Upon investigation, there is no evidence to indicate that the complaint case is related to this Contract.

Mitigation Measures and Follow-Up Actions Recommended to Contractor

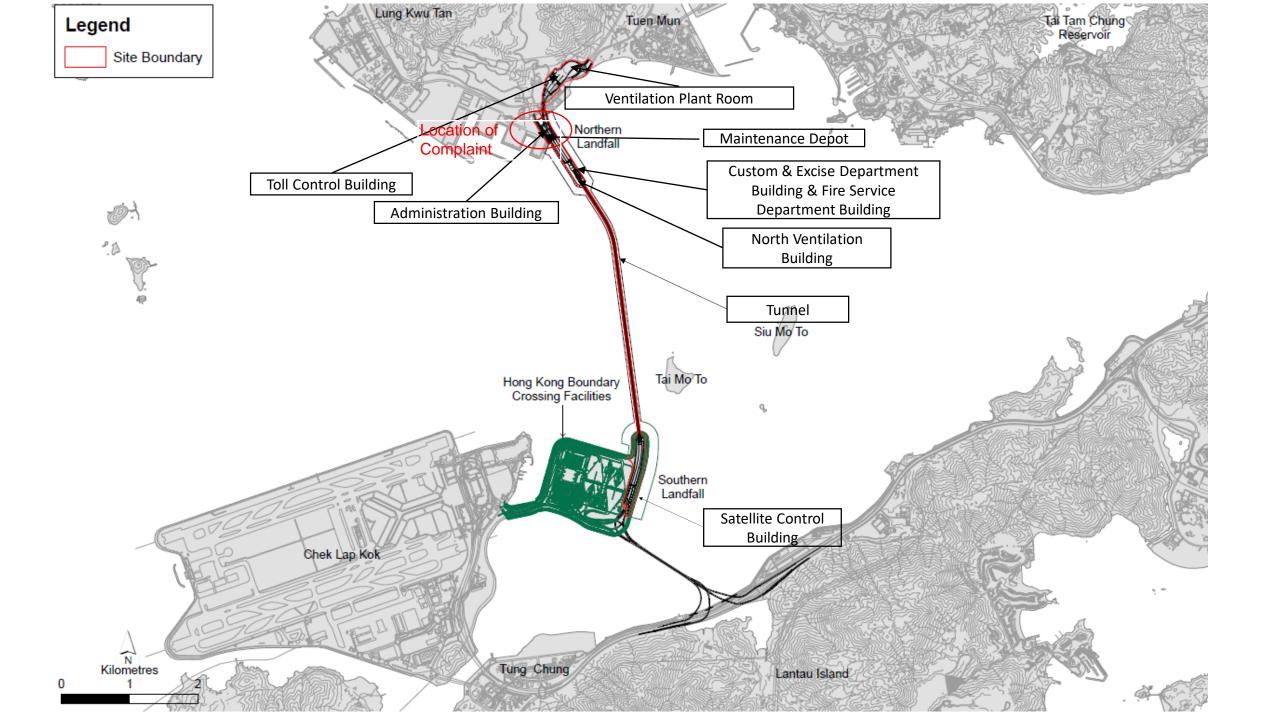
Based on the investigation, there is no evidence to indicate that the complaint case is related to this Contract and thus no further action will be required. The Contractor has been reminded to maintain watering for at least 12 times per day at any unpaved road throughout the construction period. Increase in watering frequency should also be considered when necessary.

Date of File Closed :

12 June 2019

Approved and Filed by:

(Dr Jasmine Ng, ET Leader) Date: 30 May 2019



Annex A

Photo of site inspection at Northern Landfall on 24 May 2019

ANNEX A - PHOTO OF SITE INSPECTION AT NORTHERN LANDFALL ON 24 MAY 2019

Photo 1 – Structure building at Maintenance Depot

