



Development at West Kowloon Cultural District

Quarterly Environmental Monitoring and Audit
(EM&A) Report (May 2016 - July 2016)

August 2016

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This Quarterly EM&A Report has been reviewed and certified by the Environmental Team Leader (ETL) and verified by the Independent Environmental Checker (IEC).

Certified by:



Brian Tam
Environmental Team Leader (ETL)
West Kowloon Cultural District Authority

Date

5 Sep 2016

Verified by:



Fredrick Leong
Independent Environmental Checker (IEC)
Meinhardt Infrastructure & Environment Ltd

Date

5 Sep 2016

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Executive summary

This Quarterly EM&A Report presents the monitoring works at both the main works of M+ Museum from 1 May to 31 July 2016 and foundation works of Lyric Theatre Complex conducted from 1 May to 31 July 2016.

The impact stage EM&A programme for the Project includes air quality, noise, water quality, waste, landscape and visual monitoring. The recommended environmental mitigation measures were implemented on site and regular inspections were carried out to ensure that the environmental conditions are acceptable.

The EM&A programme was carried out by the ET in accordance with the EM&A Manual requirements. It is concluded from the environmental monitoring and audit works that adequate environmental mitigation measures have been implemented by the foundation works contractor where appropriate in the reporting quarter.

Exceedance of Action and Limit Levels

There was no breach of Action or Limit levels for Air Quality (1-hour TSP and 24-hour TSP) and Noise in this reporting quarter.

Implementation of Mitigation Measures

Construction phase weekly site inspections were carried out to confirm the implementation measures undertaken by the Contractors in the reporting quarter. The status of implementation of mitigation measures during the reporting quarter is shown in **Appendix C**.

Landscape and visual impact inspections were conducted as part of the abovementioned weekly site inspections during the reporting quarter. No adverse comment on landscape and visual aspects was made during these inspections.

EPD site inspection with Contractor was conducted on 10, 21 and 22 June 2016 and 2, 5, 18, 19 and 22 July 2016 at M+ Museum. Two pink forms were issued to the Contractor on 10 June 2016 and 2 July 2016 and water sample at discharge point at ICP of M+ Museum was collected by EPD.

EPD site inspection with Contractor was conducted on 29 June 2016 and 27 July 2016 at Lyric Theatre Complex.

Record of Complaints

Two environmental complaints regarding muddy water discharge was recorded in the reporting quarter.

Record of Notification of Summons and Successful Prosecutions

No notification of summons and successful prosecution were recorded in the reporting quarter.

1 Introduction

1.1 Background

Mott MacDonald Hong Kong Limited (MMHK) was commissioned to undertake the Environmental Team (ET) services (including environmental monitoring and audit (EM&A)) for the construction of M+ Museum Main Works (Contract No.: CC/2015/3A/022) and Lyric Theatre Complex Foundation Works (Contract No.: CC/2015/3A/014) at West Kowloon Cultural District (WKCD) (The Project) as part of the WKCD development. The Project Proponent is the West Kowloon Cultural District Authority (WKCDA). The construction works and EM&A programme for M+ Museum and Lyric Theatre Complex commenced on 31 October 2015 and 1 March 2016 respectively.

The overall works for the WKCD fall under two separate categories of Designated Project (DP) of the Environmental Impact Assessment Ordinance (EIAO), namely an “engineering feasibility study of urban development projects with a study area covering more than 20 ha or involving a total population of more than 100 000” (Item 3 of Schedule 3) and “an underpass more than 100m in length under the built areas” (Item A.9, Part I, Schedule 2). An Environmental Permit No. EP-453/2013/A (EP) was issued with respect to the “Underpass Road and Austin Road Flyover Serving the West Kowloon Cultural District” which specifically includes the abovementioned category of DP under Item A.9, Part I, Schedule 2 of the EIAO. The captioned projects include part of the abovementioned underpass road located within the site boundary also falls under this same category.

The M+ museum development aims to provide an iconic presence for the M+ museum, semi-transparent vertical plane, housing education facilities, a public restaurant and museum offices. At ground and lower levels, generous access will be provided to the park and other West Kowloon Cultural District facilities, alongside a public resource centre, theatres, retail and dining, and back-of-house functions.

The 1,200-seat Lyric Theatre Complex will be Hong Kong’s first world-class facility for dance performances, including ballet, contemporary and Chinese dance forms. In the run up to the opening of further major performing arts venues in the WKCD, it will also be used for a wide variety of performing arts events including drama, opera and musical performances. The Lyric Theatre Complex will act as a platform for Hong Kong’s leading arts organisations, and be a new major venue to show programmes from Asia and worldwide.

The Quarterly EM&A Report is prepared in accordance with the Clause 3.4 of the Environmental Permit No. EP-453/2013/A. This Quarterly EM&A Report presents the monitoring works conducted from 1 May 2016 to 31 July 2016. The purpose of this report is to summarise the findings in the EM&A of the project over the reporting period.

1.2 Project Organisation

The organisation chart and lines of communication with respect to the on-site environmental management structure together with the contact information of the key personnel are shown in **Appendix A**.

1.3 Environmental Status in the Reporting Period

During the reporting period, construction works at M+ Museum undertaken include:

- Excavation
- Construction of pile caps

- Construction of slab
- Construction of water tank
- Construction of columns & walls
- Installation of wailing & struts
- Installation of lateral support
- Construction of water tank
- Construction of core wall
- Underground slab drainage and manholes

During the reporting period, construction works at Lyric Theatre Complex undertaken include:

- H-Pile Construction
- Bored Pile Construction
- Excavation and lateral support

The Construction Works Programme of the Project is provided in **Appendix B**. A layout plan of the Project is provided in **Figure 1**.

2 Summary of EM&A Requirements

2.1 Monitoring Requirements

In accordance with the EM&A Manual, environmental parameters including air quality, noise, landscape and visual have been monitored. The specific parameters, monitoring frequency and the respective Action and Limit levels are given in **Table 2.1**. Locations of the monitoring stations are provided in **Figure 1**.

Table 2.1: Summary of Impact EM&A Requirements

Parameters	Descriptions	Locations	Frequencies	Action level	Limit level
Air Quality	24-Hour TSP	AM1 - International Commerce Centre	At least once every 6 days	143.6 µg/m ³	260 µg/m ³
	1-Hour TSP	AM1 - International Commerce Centre	At least 3 times every 6 days	273.7 µg/m ³	500 µg/m ³
	24-Hour TSP	AM2 - The Harbourside Tower 1	At least once every 6 days	151.1 µg/m ³	260 µg/m ³
	1-Hour TSP	AM2 - The Harbourside Tower 1	At least 3 times every 6 days	274.2 µg/m ³	500 µg/m ³
Noise	Leq, 30 minutes	NM1- Podium level of The Harbourside Tower 1	Weekly	When one documented complaint is received from any one of the sensitive receivers	75 dB(A)
Landscape & Visual	Monitor implementation of proposed mitigation measures during the construction stage	As described in Table 9.1 and 9.2 of the EM&A Manual	Bi-weekly	N/A	N/A

Given that the Project covers only a small part of the whole WKCD area (i.e. M+ Museum, Lyric Theatre Complex and respective portions of underpass road), it was proposed that the EM&A programme for the Project should only require 1 noise monitoring station and 2 air quality monitoring stations located closest to the Project area. Currently, the works under the captioned project are confined in the western part of the WKCD site. Therefore, only the monitoring stations AM1, AM2 were set up. Approval from the management office of the International Commerce Centre has been granted on 29 February 2016 for conducting noise monitoring at the alternative noise monitoring location identified at the podium floor (NM1A) which is free from screening to the construction activities. Therefore, 2 air quality monitoring stations and 1 noise impact monitoring station were confirmed for the impact monitoring.

2.2 Environmental Mitigation Measures

Environmental mitigation measures have been recommended in the EM&A Manual. The summary of implementation status of the environmental mitigation measures are provided in **Appendix C**.

3 Summary of EM&A Monitoring Results

3.1 Monitoring Data

In accordance with the EM&A Manual, impact monitoring has been conducted in the reporting quarter. Meteorological data for the reporting quarter have been extracted from Hong Kong Observatory and presented in **Appendix D**. Monitoring data with graphical presentation for the reporting quarter are shown in **Appendix E**. A summary on the monitoring results are presented in **Table 3.1**.

Table 3.1: Summary of Monitoring Data

Parameter	Monitoring Location	Minimum	Maximum	Average
Air Quality				
1 hour TSP	AM1	51	95	66
1 hour TSP	AM2	51	133	74
24 hour TSP	AM1	43	58	50
24 hour TSP	AM2	44	99	58
Construction Noise				
Leq(30min)	NM1A	67.8	69.4	68.8

3.2 Monitoring Exceedances

Summary of the exceedances in the reporting quarter is tabulated in **Table 3.2**.

Table 3.2: Summary of 24-hour TSP monitoring results

Monitoring Station	Parameter	No. of Exceedance		Action Taken
		Action Level	Limit Level	
Air Quality				
AM1	1 hour TSP	0	0	N/A
	24 hour TSP	0	0	N/A
AM2	1 hour TSP	0	0	N/A
	24 hour TSP	0	0	N/A
Construction Noise				
NM1A	Leq(30min)	0	0	N/A

3.2.1 1-hour TSP Monitoring

All 1-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/ Limit Level exceedance was recorded.

3.2.2 24-hour TSP Monitoring

All 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/ Limit Level exceedance was recorded.

3.2.3 Construction Noise Monitoring

All construction noise monitoring was conducted as scheduled in the reporting quarter. No Action/ Limit Level exceedance was recorded.

3.2.4 Landscape and Visual Monitoring

All landscape and visual impact inspections were conducted as scheduled in the reporting quarter. No adverse comment on landscape and visual aspects was recorded.

4 Waste Management

4.1 M+ Museum

As advised by the Contractor, 543.1 ton, 1,946.2 ton and 23.4 ton of inert C&D material were disposed of as public fill to Tuen Mun Area 38, Tseung Kwan O Area 137 and Chai Wan Public Fill Barging Point respectively, while 198.2 ton of general refuse was disposed of at SENT landfill. 245.7 ton of metals, 0.5 ton of paper/cardboard packaging, 0 ton of plastic and 81.8 ton of timber were collected by recycling contractors in the reporting quarter. 7,504.0 ton of inert C&D materials was reused on site. 27,840.0 ton of inert C&D materials was reused in other projects. 0 ton of chemical wastes was collected by licensed contractors in the reporting quarter.

The actual amounts of different types of waste generated by the activities of construction works at M+ Museum in the reporting quarter are shown in **Appendix F**.

4.2 Lyric Theatre Complex

As advised by the Contractor, 3,413.5 ton and 30,299.3 ton of inert C&D material were disposed of as public fill to Tuen Mun Area 38 and Tseung Kwan O Area 137 respectively, while 83.9 ton of general refuse was disposed of at SENT landfill. 85.0 ton of metals, 0.1 ton of paper/cardboard packaging, 0 ton of plastic and 0 ton of timber were collected by recycling contractors in the reporting quarter. 0 ton of inert C&D materials was reused on site. 0 ton of inert C&D materials was reused in other projects. 3.2 ton of chemical wastes was collected by licensed contractors in the reporting quarter.

The actual amounts of different types of waste generated by the activities of construction works at Lyric Theatre Complex in the reporting quarter are shown in **Appendix F**.

5 Environmental Non-conformance

For this reporting quarter, no environmental non-compliance and environmental related prosecution or notification of summons was received. There was no breach of Action or Limit Levels for Air Quality and Noise monitoring in the reporting month.

Two environmental complaints were referred from EPD on 21 June 2016 and 13 July 2016 in the reporting quarter. The complaints were handled in accordance with the EM&A Manual and relevant parties including the Engineer's Representative and IEC were informed of the complaint.

The complainant referred from EPD on 21 June 2016 claimed that muddy water was generated from the WKCDA construction sites and discharged to the harbour, and the location of the incident was near the Northern Ventilation Building of the Western Harbour Crossing. After investigation with the contractors, the wastewater treatment facilities at both M+ Museum and Lyric Theatre Complex were checked. Therefore, it is considered that the muddy water discharged to the harbour is unlikely from M+ Museum and Lyric Theatre Complex. However, water quality mitigation measures would continue to be strictly implemented on-site to ensure the water discharge should comply with the standard as stipulated in the discharge license.

Another complaint was referred from EPD on 13 July 2016. The complainant claimed that muddy water was generated from the WKCDA construction sites and discharged to the harbour, and yellowish muddy water can be seen discharging to the Victoria Harbour via the drainage reserve outfall. The investigation is still ongoing and has not been concluded in this reporting quarter. The investigation findings and subsequent mitigation measures, if any, will be reported in the next reporting quarter.

The cumulative statistics on complaints, notifications of summons and successful prosecutions were provided in **Appendix G**.

6 Comments, Recommendations and Conclusion

6.1 Comments

Based on the observations made during site audits and landscape inspections, and construction dust and noise monitoring results, no non-compliances and exceedances of air quality and noise limits were recorded.

6.2 Recommendations

Reviewing the implementation of the recommended mitigation measures in the EM&A Manual, it was observed that they were effective and efficient in controlling the potential impacts due to construction of the project during the reporting period. Review of the effectiveness and efficiency of the EM&A programme will be continued, and recommendations will be provided to remediate any potential impacts due to the project and to improve the EM&A programme if deficiencies of the existing EM&A programme are identified.

6.3 Conclusion

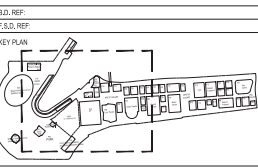
The EM&A programme as recommended in the EM&A Manual has been undertaken since the construction works of M+ Museum main works commenced on 31 October 2015, and the construction of Lyric Theatre Complex foundation works commenced on 1 March 2016.

Monitoring of air quality and noise with respect to the Project is underway. In particular, the 1-hour TSP, 24-hour TSP, noise level (as Leq, 30 minutes) under monitoring have been checked against established Action and Limit levels. There was no breach of Action and Limit Levels for 1-hour TSP, 24-hour TSP and noise in the reporting quarter.

Two environmental complaints and no notifications of summons or successful prosecution were received during the reporting quarter.

Weekly construction phase site inspections and bi-weekly landscape and visual impact inspections were conducted during the reporting quarter as required. It was observed that the Contractor had implemented all possible and feasible mitigation measures to mitigate the potential environmental impacts during construction phase works.

Figure 1 Site Layout Plan and Monitoring Stations



- NOTES
- WKCD BOUNDARY
 - M+ MUSEUM BOUNDARY
 - LYRIC THEATRE BOUNDARY
 - BOUNDARY OF UNDERPASS ROAD SERVING THE PLANNED WKCD
 - CONSTRUCTION AIR/NOISE MONITORING STATION

REV.	DATE	DESCRIPTION	INITIAL

JOB TITLE
M+ MUSEUM FOR VISUAL CULTURE (MAIN CONTRACT WORKS) & LYRIC THEATRE COMPLEX

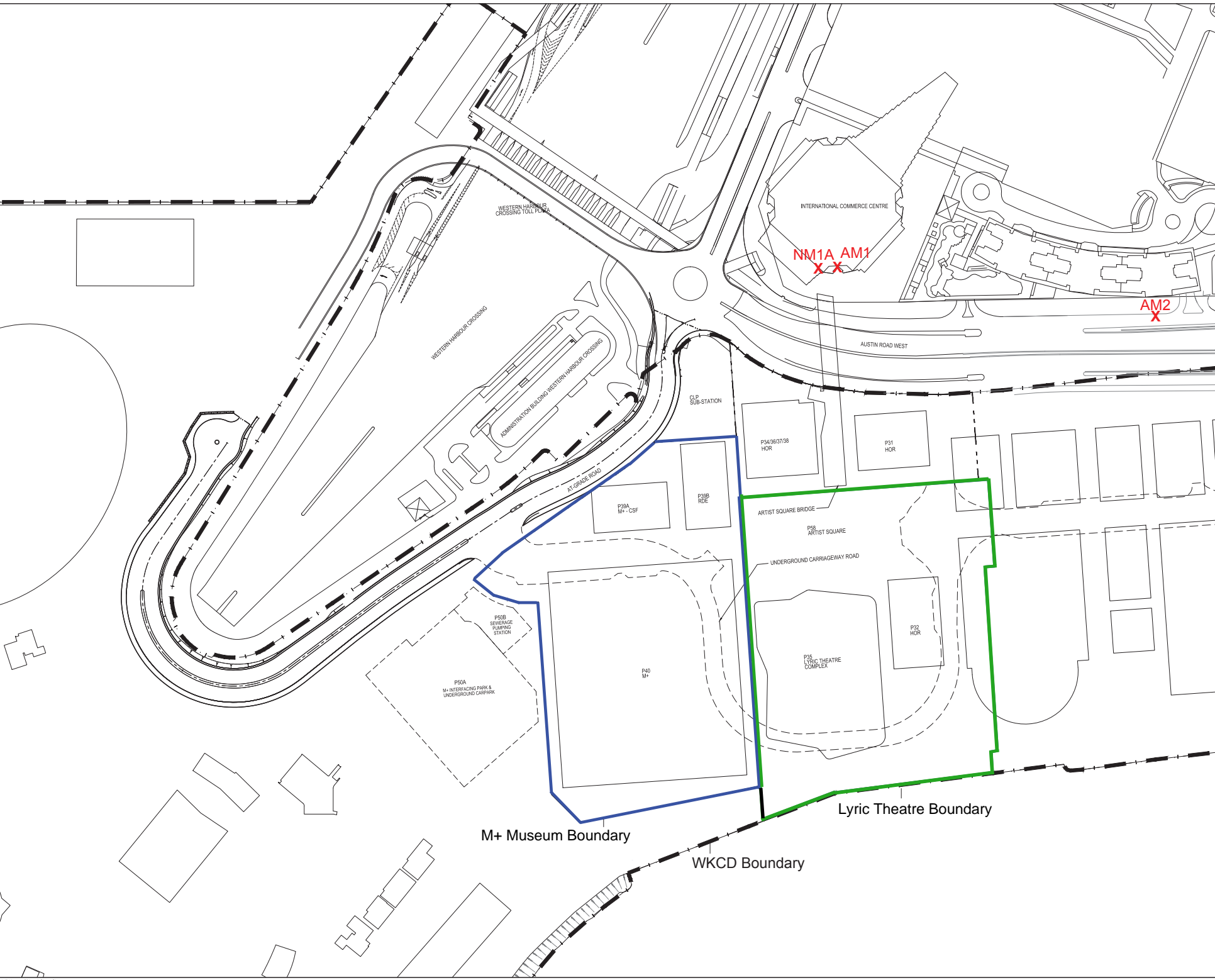
DRAWING TITLE
PROPOSED LOCATIONS OF CONSTRUCTION AIR/NOISE MONITORING STATIONS

SCALE	1:100	PRINTED	A1
CHECKED	DATE		
APPROVED	DATE		
DRAWN	TY	DATE	16-10-2015
CONTRACT NO.			

DRAWING NO. **FIGURE 1** REV. **XA**

CAD REF NAME: XXXXX\AUT-PMS-DWG-POU\001000-XXX.dwg

AUTHORITY



Appendices

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- C. Environmental Mitigation Measures – Implementation Status
- D. Meteorological Data Extracted from Hong Kong Observatory
- E. Graphical Plots of the Monitoring Results
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A. Project Organisation

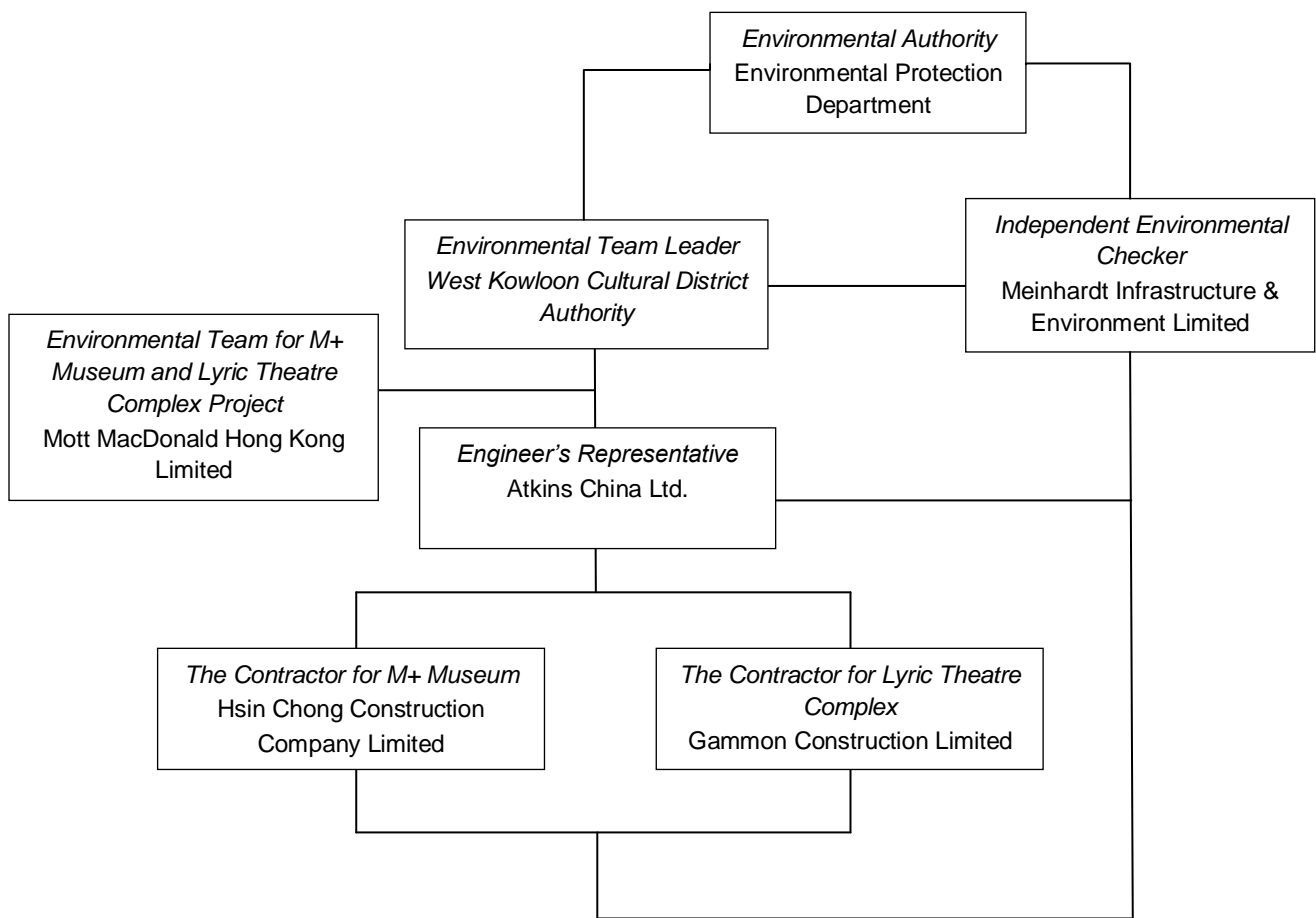


Table A-1: Contact information

Company Name	Role	Name	Telephone
Atkins China Ltd.	Senior Resident Engineer	Mr. Alfred Lee	5401 7289
Meinhardt Infrastructure & Environment Limited	IEC	Mr. Fredrick Leong	2859 1739
Hsin Chong Construction Company Limited	Environmental Manager	Mr. Leo Chow	9266 6855
Gammon Construction Limited	Environmental Manager	Ms. Michelle Tang	9267 8866
Mott MacDonald Hong Kong Ltd.	Contractor's Environmental Team Leader	Mr Brandon Wong	2828 5875
West kowloon Cultural District Authority	Senior Environmental Specialist	Mr. Brian Tam	2200 0059

B. Construction Programme

M+ Museum

Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016				
										Apr	May	Jun	Jul	Aug
3MRP Three Months Rolling Programme Update (30 Apr 2016)														
Contract Key Dates & Milestones														
Contract Dates														
CP01	Contract Award Date (26Sep15)	0	26-Sep-15		26-Sep-15 A		100%	0		Date (26Sep15)				
CP02	Contract Period (1218 days)	1218	26-Sep-15	25-Jan-19	26-Sep-15 A	25-Jan-19	18%	0	0					
Schedule of Milestones														
Cost Centre A - Preliminaries and General Requirements														
MSA.03	Compliance Review to the CA's satisfaction on Proje	0		31-Dec-15		08-Apr-16 A	100%	-3		◆ Compliance Review to the CA's satisfaction on Project Time & Co				
MSA.04	Complete CA/Authority Office ready for occupation (	0		29-Feb-16		29-Apr-16 A	100%	-1		◆ Complete CA/Authority Office ready for occupation (t=			
MSA.05	Compliance Review to the CA's satisfaction on Proje	0		31-Mar-16		09-Apr-16 A	100%	0		◆ Compliance Review to the CA's satisfaction on Project Time & Co				
MSA.06	Compliance Review to the CA's satisfaction on Proje	0		30-Jun-16		30-Jun-16	0%	0	6	◆ Compliance Review to				
Cost Centre C - Public Works and Tunnel Protection Works														
MSC.01	Obtain Notice of No Objection from Contract Admini:	0		29-Feb-16		30-Apr-16	0%	-2	34	◆ Obtain Notice of No Objection from Contract Administr				
MSC.03	Complete Pile Caps for Trusses 1, 2 & 5 (t=M9)	0		30-Jun-16		30-Jun-16	0%	0	32	◆ Complete Pile Caps for				
Interface Dates														
Access Date														
AD1040	M05 - SPS Frontage At-grade Road (11Feb16)	0	11-Feb-16		22-Apr-16 A		100%	-71		◆ M05 - SPS Frontage At-grade Road (11Feb16), M05 - SPS				
AD1050	M06 - ICP External Entrance Portal beside At-garde	0	11-Feb-16		22-Apr-16 A		100%	-57		◆ M06 - ICP External Entrance Portal beside At-garde Road (
AD1060	M07 - ICP Frontage beside At-grade Road (on Comp	0	11-Feb-16		22-Apr-16 A		100%	-57		◆ M07 - ICP Frontage beside At-grade Road (on Completion				
AD1160	M15 - M+ / Lyric Staircase (2nd access) (30Jun16)	0	17-May-16		12-May-16		0%	5	653	◆ M15 - M+ / Lyric Staircase (2nd access) (30				
AD1180	M16 - Lyric Interface South (2nd access) (30Jun16)	0	17-May-16		12-May-16		0%	5	653	◆ M16 - Lyric Interface South (2nd access) (30				
AD1240	M22 - ICP/SPS Frontage within At-grade Road (Com	0	11-Feb-16		22-Apr-16 A		100%	-57		◆ M22 - ICP/SPS Frontage within At-grade Road (Completion				
AD1320	M32 - ICP & SPS, West of Existing Temporary Acces	0	11-Feb-16		22-Apr-16 A		100%	-57		◆ M32 - ICP & SPS, West of Existing Temporary Access Road				
AD1410	M44 - At-grade Road Footpath at ICP / SPS Frontag	0	01-Jun-16		28-Jun-16		0%	-27	454	◆ M44 - At-grade Road Fo				
AD1420	M45 - At-grade Road Footpath along M+ Basement	0	01-Jun-16		28-Jun-16		0%	-27	410	◆ M45 - At-grade Road Fo				
AD1530	M70 - Arts Pavilion Area on M+ side of M+ / Park Ini	0	29-Jun-16		29-Jun-16		0%	0	941	◆ M70 - Arts Pavilion Are				
AD1590	L25 - MTR Area to North-West of MTR Workshop (or	0	31-Mar-16		30-Apr-16		0%	-30	1001	◆ L25 - MTR Area to North-West of MTR Workshop (on S				
AD1600	L26 - MTR Area to South-West of MTR Workshop (or	0	31-Mar-16		30-Apr-16		0%	-30	1001	◆ L26 - MTR Area to South-West of MTR Workshop (on				
Vacation Date														
VD1070	M08 - Park Phase 3 Part at Waterfront (15Jun2016)	0		15-Jun-16		15-Jun-16	0%	0	954	◆ M08 - Park Phase 3 Part at W				
VD1130	M14 - Lyric Interface South, GL 6-12 (H/O to Lyric)	0		27-Jun-16		30-Jun-16	0%	-3	939	◆ M14 - Lyric Interface S				
VD1230	M21 - M+ North Eastern Area within At-grade Road	0		27-Nov-15		30-Apr-16	0%	-154	169	◆ M21 - M+ North Eastern Area within At-grade Road (H				
VD1240	M22 - ICP/SPS Frontage within At-grade Road (H/O	0		30-Nov-15		30-Apr-16	0%	-151	1001	◆ M22 - ICP/SPS Frontage within At-grade Road (H/O to				
VD1330	M35 - Temporary Access Road Junction at KVB (for	0		15-Jun-16		15-Jun-16	0%	0	954	◆ M35 - Temporary Access Road				
VD1570	M66a - Existing Car Park (for Access by Park Ctr) (1	0		26-Sep-15		26-Sep-15 A	100%	0		◆ M66a - Existing Car Park (for Access				
VD1630	M72 - Area within At-Grade Road by PIW, beside M+	0		30-Nov-15		30-Apr-16	0%	-151	1001	◆ M72 - Area within At-Grade Road by PIW, beside M+				
Interface Schedule (Refer to Interface Schedule - Appendix D1 20-Nov-2015)														
Lyric Theatre Complex and Extended Basement (Lyric)														
Along Interface South of AEL														
DCS Basement Area														

- ◆ Baseline Milestone
- Primary Baseline
- ◆ Milestone
- Non-Critical
- Critical Bar

West Kowloon Cultural District Authority

(3MRP) 3-Months Rolling Programme Status 30 April 2016



Date	Revision	Checked	Approved
03-Dec-15	(3MRP) 3-Months Rolling Prog @ ...	Chris / E...	Leo Harnett
06-Jan-16	(3MRP) 3-Months Rolling Prog @ ...	Chris / E...	Leo Harnett
13-Feb-16	(3MRP) 3-Months Rolling Prog @ ...	Chris / E...	Desmond
17-Mar-16	(3MRP) 3-Months Rolling Prog @ ...	Jojo	Desmond

Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016							
										Apr	May	Jun	Jul	Aug			
IF1030	Take possession of M15 and M16 after pipe piles an	0	17-May-16		12-May-16		0%	5	653						Take possession of M15 and M16 after pipe p		
Grid 6 & 12 Area																	
IF1032	Complete Pile Caps PC 95, 96, 100, 103, 105, 109 & 1	0		17-Feb-16		29-Apr-16 A	100%	-71							Complete Pile Caps PC 95, 96, 100, 103, 105, 109 & 1		
IF1034	Complete External Wall from B1/F to G/F Level betw	0		27-Jun-16		30-Jun-16	0%	-3	939						Complete External Wa		
IF1036	Complete PC109 & Basement Road Wall between PC	0		24-May-16		18-Jun-16	0%	-25	951						Complete PC109 & Baseme		
IF1038	Complete Core Walls on PC96 to G/F Level	0		20-May-16		30-Jun-16	0%	-41	939						Complete Core Walls c		
IF1039	Complete Basement Road Wall between PC96, 103	0		28-May-16		18-Jun-16	0%	-21	951						Complete Basement Road W		
IF1040	Vacate Portion M14	0		27-Jun-16		30-Jun-16	0%	-3	939						Vacate Portion M14, V		
IF1045	Install new hoarding between Portion M14 & M14a f	12	11-Jun-16	27-Jun-16	14-Jun-16	30-Jun-16	0%	-2	675						IF1045, Install new ho		
PIW Phase 1																	
Civil & Structural Interface with PIW At-Grade Road																	
M+ North West Boundary																	
IF2090	Take possession of the At-grade road footway within	0	01-Jun-16		28-Jun-16		0%	-27	688						Take possession of the		
IF2095	Submit Hoarding Design for BD Approval	30	01-Jun-16	30-Jun-16	28-Jun-16	27-Jul-16	0%	-27	688						IF2095,		
Interface Car Park Utilities Works																	
IF2010	Take possession of M5, M6, M7	0	11-Feb-16		22-Apr-16 A		100%	-71							Take possession of M5, M6, M7, Take possession of M5, M		
IF2160	Remove hoarding within Potion M05, M06 & M07	5	11-Feb-16	16-Feb-16	22-Apr-16 A	09-May-16	0%	-64	75						IF2160, Remove hoarding within Potion M05, M0		
IF2165	Submit Hoarding Design for BD Approval	30	11-Feb-16	11-Mar-16	22-Apr-16 A	29-May-16	0%	-79	96						IF2165, Submit Hoarding Design for B		
IF2170	Install Hoarding on road-side edge of footway (500m	10	12-Mar-16	23-Mar-16	30-May-16	14-Jun-16	0%	-56	62						IF2170, Install Hoarding on ro		
IF2180	Construct U/G utilities connections from footway to	70	24-Mar-16	05-Jul-16	16-Jun-16	29-Sep-16	0%	-56	62								
Sewage Pump Station																	
IF2270	Take possession of Interfacing Car Park site on comj	0	11-Feb-16		22-Apr-16 A		100%	-71							Take possession of Interfacing Car Park site on completion		
IF2280	Take possession of M5, M6, M7, M26, M31 and M32	0	11-Feb-16		22-Apr-16 A		100%	-71							Take possession of M5, M6, M7, M26, M31 and M32, Take		
IF2290	Construction of SPS incl. ELS, Structure, T&C	361	11-Feb-16	22-Jun-17	30-Apr-16	28-Sep-17	0%	-64	-62								
Water Main Interface with PIW																	
IF2370	Take possession of At-grade road within Portion M45	0	01-Jun-16		28-Jun-16		0%	-27	902						Take possession of At-g		
IF2380	Remove hoarding fixed to the sheet pile	5	03-Jun-16	10-Jun-16	28-Jun-16	05-Jul-16	0%	-17	646						IF2380, Remove ho		
IF2390	Install hoarding on road-side edge of footway (500m	12	11-Jun-16	27-Jun-16	08-Jul-16	25-Jul-16	0%	-17	646						IF2390, I		
IF2400	Construct two DN150 DI fresh water, and one DN10	12	28-Jun-16	18-Jul-16	26-Jul-16	12-Aug-16	0%	-17	646								
Towngas Interface with PIW																	
IF2440	Take possession of At-grade road within Portion M44	0	01-Jun-16		28-Jun-16		0%	-27	756						Take possession of At-g		
IF2450	Trench excavation for gas pipe installation	5	03-Jun-16	10-Jun-16	28-Jun-16	05-Jul-16	0%	-17	541						IF2450, Trench exc		
IF2460	Construct portion of M+ & RDE building gas main (b	130	11-Jun-16	13-Dec-16	08-Jul-16	05-Jan-17	0%	-17	541								
Power Interface with PIW																	
IF2230	Take possession of the completed At-grade road pav	0	01-Jun-16		28-Jun-16		0%	-27	753						Take possession of the		
IF2240	Excavate trenches for laying 11kV & 132kV cable by	73	03-Jun-16	22-Sep-16	28-Jun-16	20-Oct-16	0%	-17	539								
Telecoms Interface with PIW																	
IF2500	Take possession of the completed At-grade road pav	0	01-Jun-16		28-Jun-16		0%	-27	454						Take possession of the		
IF2510	Excavate trenches for laying telecom ducts	5	03-Jun-16	10-Jun-16	28-Jun-16	05-Jul-16	0%	-17	321						IF2510, Excavate t		
IF2520	Lay ducts & leave connecting ends for PIW drawpit c	72	11-Jun-16	27-Sep-16	08-Jul-16	25-Oct-16	0%	-17	321								
Park																	
IF3000	Commence coordination with the Park contractor	0	15-Jan-16		22-Apr-16 A		100%	-98							Commence coordination with the Park contractor, Comme		

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										Apr	May	Jun	Jul	Aug
IF3010	Take possession of M5, M6, M7, M26 and M32	0	11-Feb-16		22-Apr-16 A		100%	-71		◆ Take possession of M5, M6, M7, M26 and M32, Take posse				
Preliminaries														
Statutory Procedures and Consents for Work Commencement														
FB01	SSP Submission for ELS (Stage 1)	0	26-Sep-15		26-Sep-15 A		100%	0		sion for ELS (Stage 1)				
FB03	Submit form BA8	5	26-Sep-15	30-Sep-15	26-Sep-15 A	30-Sep-15 A	100%	1						
Design & Procurements														
External Facade Pre-Construction														
BD Submission, Consent & Approval														
DS.2006	Embed BD Submission, consent & appvl for M+ Tow	136	20-Jun-16	16-Dec-16	20-Jun-16	02-Nov-16	0%	44	193					
DS.2008	BD Submission to consultant for M+ Podium & Tower	111	26-Apr-16	14-Aug-16	30-Apr-16	18-Aug-16	0%	-4	302					
Materials Submission & Approval														
Terracotta Facade Panel														
DS.2024	Terracotta Panel - Installation of Mock-up sample	7	28-Apr-16	04-May-16	22-May-16	28-May-16	0%	-24	29	DS.2024, Terracotta Panel - Installation				
DS.2026	Terracotta Panel - Visual Mock-up Inspection & Appr	14	05-May-16	18-May-16	29-May-16	11-Jun-16	0%	-24	29	DS.2026, Terracotta Panel - Vis				
DS.2027	Terracotta Panel - Final decision & approval from MJ	0	19-May-16		12-Jun-16		0%	-24	29	◆ Terracotta Panel - Final decision				
DS.2028	Terracotta Panel - Ordering of Terracotta Materials	120	19-May-16	01-Oct-16	12-Jun-16	09-Oct-16	0%	-8	29					
Glass Wall with T Mullion														
DS.2040	Glass Wall with T Mullions - Installation of Mock-up	29	01-May-16	29-May-16	01-May-16	29-May-16	0%	0	94	DS.2040, Glass Wall with T Mullions -				
DS.2042	Glass Wall with T Mullions - Inspection & Approval o	14	30-May-16	12-Jun-16	30-May-16	12-Jun-16	0%	0	94	DS.2042, Glass Wall with T Mul				
DS.2043	Glass Wall with T Mullions - Final decision & approva	0	13-Jun-16		13-Jun-16		0%	0	94	◆ Glass Wall with T Mullions - Fin				
DS.2044	Glass Wall with T Mullions - Ordering of Glass Materi	107	13-Jun-16	27-Sep-16	13-Jun-16	27-Sep-16	0%	0	94					
Precast Concrete for M+ Tower														
DS.2056	Precast Concrete - Installation of Mock-up sample	14	26-May-16	08-Jun-16	26-May-16	08-Jun-16	0%	0	67	DS.2056, Precast Concrete - Inst				
DS.2058	Precast Concrete - Visual Mock-up Inspection & App	14	09-Jun-16	22-Jun-16	09-Jun-16	22-Jun-16	0%	0	67	DS.2058, Precast Concret				
DS.2059	Precast Concrete - Final decision & approval from M.	0	23-Jun-16		23-Jun-16		0%	0	67	◆ Precast Concrete - Final d				
DS.2060	Precast Concrete - Ordering of Precast Panel Materiz	124	23-Jun-16	24-Oct-16	23-Jun-16	24-Oct-16	0%	0	67					
Precast Concrete for M+ Podium														
DS.2070	Precast Concrete - Visual Mock-Up (Ordering, produ	70	25-Apr-16	03-Jul-16	01-Apr-16 A	03-Jul-16	50%	0	35	DS.2070, Precast Co				
DS.2072	Precast Concrete - Installation of Mock-up sample	7	04-Jul-16	10-Jul-16	04-Jul-16	10-Jul-16	0%	0	35	DS.2072, Precas				
DS.2073	Precast Concrete - Visual Mock-up Inspection & App	14	11-Jul-16	24-Jul-16	11-Jul-16	24-Jul-16	0%	0	35	DS.2073,				
DS.2074	Precast Concrete - Final decision & approval from M.	0	25-Jul-16		25-Jul-16		0%	0	35	◆ Precast C				
DS.2075	Precast Concrete - Ordering of Precast Panel for Pod	124	25-Jul-16	25-Nov-16	25-Jul-16	25-Nov-16	0%	0	35					
LED Lightings														
DS.2186	LED Lightings -Visual Mock-up Inspection & Approval	21	16-Jul-16	05-Aug-16	16-Jul-16	05-Aug-16	0%	0	29	DS				
Structural Steel Truss														
DS.1050	Steel Tuss - First Batch Arrival on Site (Contract Rec	0	01-Jun-16		30-Jun-16		0%	-29	48	◆ Steel Tuss - First Batc				
Design, Shop Dwgs, Materials, Method Statement & Welding														
Method statement for Construction of Mega Trusses with Temporary Works Design														
DS.1030.02	Revision of Method statement for construction of Me	6			01-Apr-16 A	06-Apr-16 A	100%			Revision of Method statement for construction of Mega Trusses wi				
DS.1030.02b	Temporary Works Design - ICE Checking	6			07-Apr-16 A	12-Apr-16 A	100%			Temporary Works Design - ICE Checking				
DS.1030.03	2nd Submission & Approval (RSS-MJV Review & end	14			13-Apr-16 A	30-Apr-16	50%		3	2nd Submission & Approval (RSS-MJV Review & endo				

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										Apr	May	Jun	Jul	Aug	
Method Statement for Erection															
DS.1030.30	Submission & Approval of Method statement for Ere	14			12-Apr-16 A	30-Apr-16	90%		90						
DS.1030.30b	Revision of Method statement for Erection of Mega 1	14			01-May-16	14-May-16	0%		90						
DS.1030.30c	2nd Submission & Approval of Method statement for	14			17-May-16	30-May-16	0%		90						
Welding Procedure															
DS.1030.71	2nd Submission & Approval for site welding procedu	14			07-May-16	20-May-16	0%		39						
DS.1030.92	2nd Submission & Approval of Additional welding prc	14			07-May-16	20-May-16	0%		39						
Statutory Approval Status e.g. (BD & MTRC Approval)															
DS.7060b	ARUP Preparation & Presentation to MTRC	12			02-May-16	17-May-16	0%		3						
DS.7060b10	MTRC Review and Endorsement for ARUP to submit	27			17-May-16	13-Jun-16	0%		3						
DS.7060b11	BD issue endorsement to ARUP	12			13-Jun-16	25-Jun-16	0%		3						
Materials Procurement & Testing															
Material Procurement - Temporary Works															
DS.1040.33	Material Procurement of proprietary system	9			01-May-16	09-May-16	0%		3						
DS.1040.34	Material Procurement for non proprietary system	9			01-May-16	09-May-16	0%		3						
Material Sampling and Lab Test															
DS.1040.50	Material Sampling and Lab test (3rd Lot) if required	29			02-Apr-16 A	09-May-16	20%		62						
DS.1040.60	Material Sampling and Lab Test (4th Lot) if required	30			16-May-16	14-Jun-16	0%		955						
DS.1040.65	Material Sampling and Lab Test (5th Lot) if required	30			01-Jul-16	30-Jul-16	0%		909						
DS.1040.66	Material Sampling and Lab Test (6th Lot) if required	30			16-Apr-16 A	15-May-16	20%		985						
Fabrication & Delivery To Site															
Proprietary & Non Proprietary System															
DS.1040.67	Fabrication & Delivery of proprietary system	47			10-May-16	25-Jun-16	0%		3						
DS.1040.68	Fabrication & Delivery of non-proprietary system	47			10-May-16	25-Jun-16	0%		3						
Hanger Column															
DS.1040.80	Fabrication of Hanger Column Suspended from me	43			01-Apr-16 A	31-May-16	10%		213						
DS.1040.85	Fabrication of Hanger Column Suspended from RC	43			01-Apr-16 A	31-May-16	10%		106						
Composite Column															
DS.1040.92	Delivery of Composite Column for T3	0				22-Jun-16	0%		159						
DS.1040.93	Delivery of Composite Column for T4	0				15-Jul-16	0%		160						
DS.1040.94	Delivery of Composite Column for T5	0				31-May-16	0%		113						
Steel Truss Support Fabrication															
DS.1050.01	Steel Truss Support @ East Core Wall for Trusses #	21			01-May-16	21-May-16	0%		62						
DS.1055	Steel Truss Support Fabrication for Truss # 1 & 2 (C	21			22-May-16	11-Jun-16	0%		102						
DS.1056	Steel Truss Support Fabrication for Truss 3 (*C85 &	21			12-Jun-16	02-Jul-16	0%		127						
DS.1090	Steel Truss Support Fabrication for Truss 4 (*C94 &	21			03-Jul-16	23-Jul-16	0%		159						
DS.1110	Steel Truss Support Fabrication for Truss 5 (*C25)	21			12-Jun-16	02-Jul-16	0%		169						
Steel Truss Support Delivery to Site															
DS.1050.10	Steel Truss Support @ East Core Wall for Trusses #	0			01-Jul-16		0%		28						
DS.1055.10	Steel Truss Support for Truss # 1 & 2(Column 68 &	0			30-Jul-16		0%		54						
DS.1090.10	Steel Truss Support for Truss # 3 (*C85 & C86)	0			30-Jul-16		0%		125						
DS.1130.10	Steel Truss Support for Truss # 5 (*C25)	0			14-Jul-16		0%		169						

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										Apr	May	Jun	Jul	Aug	
Steel Truss Members Fabrication															
DS.1060.1	Steel Truss Fabrication for Truss # 1	69			20-Apr-16 A	21-Jun-16	0%		931						
DS.1070	Steel Truss Fabrication for Truss # 2	69			01-May-16	08-Jul-16	0%		931						
DS.1080	Steel Truss Fabrication for Truss # 3	69			31-May-16	07-Aug-16	0%		886						
DS.1150	Steel Truss Fabrication for Truss # 4	69			15-Jun-16	22-Aug-16	0%		886						
DS.1160	Steel Truss Fabrication for Truss # 5	69			31-May-16	07-Aug-16	0%		901						
Glass Curtain Wall															
DS.2140	Glass Curtain Wall - CA Review & Approval	30	29-Mar-16	27-Apr-16	30-Apr-16	29-May-16	0%	-32	63						
DS.2150	Glass Curtain Wall - BD Submission and Approval	60	28-Apr-16	26-Jun-16	30-May-16	28-Jul-16	0%	-32	63						
DS.2160	Glass Curtain Wall - Production and Delivery	200	27-Jun-16	12-Jan-17	29-Jul-16	13-Feb-17	0%	-32	63						
Art Lift (LT-11 & LT-13)															
DS.5010	Art Lift - Award Specialist Subcontractor	0	01-Dec-15		01-Apr-16 A		100%	-122							
DS.5020	Art Lift - Shop Drawings, Materials & Method Statem	90	01-Dec-15	28-Feb-16	01-Apr-16 A	21-May-16	30%	-83	187						
DS.5025	Art Lift - CA Review & Comments	30	29-Feb-16	29-Mar-16	15-Apr-16 A	29-May-16	30%	-61	187						
DS.5030	Art Lift - Incorporate Comments & Resubmit	30	30-Mar-16	28-Apr-16	28-Apr-16 A	28-Jun-16	1%	-61	187						
DS.5040	Art Lift - CA Review & Approval	30	29-Apr-16	28-May-16	29-Jun-16	28-Jul-16	0%	-61	187						
DS.5050	Art Lift - Procurement and Delivery	300	29-May-16	24-Mar-17	29-Jul-16	24-May-17	0%	-61	187						
Lifts and Escalator															
DS.5100	Lift & Escalator - Award Lifts & Escalators Subcontra	0	01-Dec-15		01-Apr-16 A		100%	-122							
DS.5110	Lift & Escalator - Shop Drawings, Materials & Methoc	90	01-Dec-15	28-Feb-16	01-Apr-16 A	21-May-16	20%	-83	138						
DS.5120	Lift & Escalator - CA Review & Comments	30	29-Feb-16	29-Mar-16	15-Apr-16 A	29-May-16	20%	-61	138						
DS.5130	Lift & Escalator - Incorporate Comments & Resubmit	30	30-Mar-16	28-Apr-16	30-May-16	28-Jun-16	0%	-61	138						
DS.5140	Lift & Escalator- CA Review & Approval	30	29-Apr-16	28-May-16	29-Jun-16	28-Jul-16	0%	-61	138						
DS.5150	Lift & Escalator - Procurement and Delivery	300	29-May-16	24-Mar-17	29-Jul-16	24-May-17	0%	-61	138						
Mechanical and Lifting Platform															
DS.5230	Lifting Platform - Incorporate Comments & Resubmit	30	30-Mar-16	28-Apr-16	16-May-16	14-Jun-16	0%	-47	201						
DS.5240	Lifting Platform - CA Review & Approval	30	29-Apr-16	28-May-16	15-Jun-16	14-Jul-16	0%	-47	201						
DS.5250	Lifting Platform - Procurement and Delivery	300	29-May-16	24-Mar-17	15-Jul-16	10-May-17	0%	-47	201						
Fire Services															
DS.4020	FS - CA Review & Comments	30	30-Mar-16	28-Apr-16	15-Apr-16 A	20-May-16	16%	-22	65						
DS.4030	FS - Incorporate Comments & Resubmit	30	29-Apr-16	28-May-16	22-Apr-16 A	25-May-16	3%	3	65						
DS.4040	FS - CA Review & Approval	30	29-May-16	27-Jun-16	26-May-16	24-Jun-16	0%	3	65						
DS.4050	FS - Procurement and Delivery	200	28-Jun-16	13-Jan-17	25-Jun-16	10-Jan-17	0%	3	65						
Electrical and ELV Systems															
DS.4130	Elect & ELV Systems - CA Review & Comments	30	30-Mar-16	28-Apr-16	01-Apr-16 A	20-May-16	14%	-22	114						
DS.4140	Elect & ELV Systems - Incorporate Comments & Res	30	29-Apr-16	28-May-16	15-Apr-16 A	26-May-16	3%	2	114						
DS.4150	Elect & ELV Systems - CA Review & Approval	30	29-May-16	27-Jun-16	27-May-16	25-Jun-16	0%	2	114						
DS.4160	Elect & ELV Systems - Procurement and Delivery	150	28-Jun-16	24-Nov-16	26-Jun-16	22-Nov-16	0%	2	114						
MVAC															
DS.3080	MVAC - CA Review & Comments	30	30-Mar-16	28-Apr-16	01-Apr-16 A	26-May-16	10%	-28	84						
DS.3090	MVAC - Incorporate Comments & Resubmit	30	29-Apr-16	28-May-16	15-Apr-16 A	26-May-16	4%	2	84						

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										Apr	May	Jun	Jul	Aug
DS.3100	MVAC - CA Review & Approval	30	29-May-16	27-Jun-16	27-May-16	25-Jun-16	0%	2	84					
DS.3110	MVAC - Procurement and Delivery	180	28-Jun-16	24-Dec-16	26-Jun-16	22-Dec-16	0%	2	84					
Plumbing and Drainage														
DS.3020	Plumbing & Drainage - CA Review & Comments	30	30-Mar-16	28-Apr-16	01-Apr-16 A	27-May-16	6%	-29	113					
DS.3030	Plumbing & Drainage - Incorporate Comments & Re	30	29-Apr-16	28-May-16	14-Apr-16 A	27-May-16	6%	1	113					
DS.3040	Plumbing & Drainage - CA Review & Approval	30	29-May-16	27-Jun-16	28-May-16	26-Jun-16	0%	1	113					
DS.3050	Plumbing & Drainage - Procurement and Delivery	150	28-Jun-16	24-Nov-16	27-Jun-16	23-Nov-16	0%	1	113					
Ceramic Tile														
DS.6020	Ceramic Tile - CA Review & Comments	30	28-Feb-16	28-Mar-16	16-May-16	14-Jun-16	0%	-78	261					
DS.6030	Ceramic Tile - Incorporate Comments & Resubmit	30	29-Mar-16	27-Apr-16	15-Jun-16	14-Jul-16	0%	-78	261					
DS.6040	Ceramic Tile - CA Review & Approval	30	28-Apr-16	27-May-16	15-Jul-16	13-Aug-16	0%	-78	261					
Soft and Hard Landscaping														
DS.7000	Landscaping - Award Specialist Subcontractor	0	18-Apr-16		30-Apr-16		0%	-12	21					
DS.7010	Landscaping - Shop Drawings, Materials & Method S	90	18-Apr-16	16-Jul-16	30-Apr-16	28-Jul-16	0%	-12	21					
DS.7020	Ceramic Tile - CA Review & Comments	30	17-Jul-16	15-Aug-16	29-Jul-16	27-Aug-16	0%	-12	21					
Design Detailing / Buildability Co-ordination														
Spatial Coordination for BIM / CSD / CBWD														
M+ Podium														
B00.0060	Review, resubmission and approval for BIM / CSD /	30	29-Jan-16	27-Feb-16	24-May-16	22-Jun-16	0%	-116	98					
B00.0070	Review, resubmission and approval for BIM / CSD /	30	29-Jan-16	27-Feb-16	31-May-16	29-Jun-16	0%	-123	137					
B00.0080	Preparation and submission for BIM / CSD / CBWD ε	60	29-Jan-16	28-Mar-16	24-May-16	22-Jul-16	0%	-116	11					
B00.0090	Preparation and submission for BIM / CSD / CBWD ε	60	29-Jan-16	28-Mar-16	31-May-16	29-Jul-16	0%	-123	92					
B00.0100	Review, resubmission and approval for BIM / CSD /	30	29-Mar-16	27-Apr-16	23-Jul-16	21-Aug-16	0%	-116	105					
B00.0110	Review, resubmission and approval for BIM / CSD /	30	29-Mar-16	27-Apr-16	30-Jul-16	28-Aug-16	0%	-123	121					
B00.0120	Preparation and submission for BIM / CSD / CBWD ε	60	29-Mar-16	27-May-16	23-Jul-16	20-Sep-16	0%	-116	11					
M+ Tower														
B6B.0000	Preparation and submission for BIM / CSD / CBWD ε	45	29-Mar-16	12-May-16	31-May-16	14-Jul-16	0%	-63	92					
B6B.0010	Review, resubmission and approval for BIM / CSD /	20	13-May-16	01-Jun-16	15-Jul-16	03-Aug-16	0%	-63	210					
B6B.0020	Preparation and submission for BIM / CSD / CBWD ε	45	13-May-16	26-Jun-16	15-Jul-16	28-Aug-16	0%	-63	92					
CSF Block														
B20.0280	Preparation and submission for BIM / CSD / CBWD ε	45	13-Feb-16	28-Mar-16	30-Apr-16	13-Jun-16	0%	-77	48					
B20.0290	Review, resubmission and approval for BIM / CSD /	20	29-Mar-16	17-Apr-16	14-Jun-16	03-Jul-16	0%	-77	270					
B20.0300	Preparation and submission for BIM / CSD / CBWD ε	60	29-Mar-16	27-May-16	14-Jun-16	12-Aug-16	0%	-77	48					
Interfacing Car Park and Sewage Pumping Station (SPS)														
D01.0000	Preparation and submission for BIM / CSD / CBWD ε	45	30-Dec-15	12-Feb-16	22-Apr-16 A	09-Jun-16	10%	-118	48					
D01.0010	Review, resubmission and approval for BIM / CSD /	15	13-Feb-16	27-Feb-16	09-Jun-16	24-Jun-16	0%	-118	946					
D02.0000	Preparation and submission for BIM / CSD / CBWD ε	45	01-Oct-15	14-Nov-15	22-Apr-16 A	04-Jun-16	20%	-203	-22					
D02.0010	Review, resubmission and approval for BIM / CSD /	15	15-Nov-15	29-Nov-15	05-Jun-16	19-Jun-16	0%	-203	38					
D02.0020	Preparation and submission for BIM / CSD / CBWD ε	45	15-Nov-15	29-Dec-15	05-Jun-16	19-Jul-16	0%	-203	-22					
D02.0030	Review, resubmission and approval for BIM / CSD /	30	30-Dec-15	28-Jan-16	20-Jul-16	18-Aug-16	0%	-203	-22					
4D Time Management (1st Draft)														

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West Kowloon Cultural District Authority
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17-Mar-16	(3MRP) 3-Months Rolling Prog @ ...	Jojo	Desmond

Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016					
										Apr	May	Jun	Jul	Aug	
B00.0160	Facade works	75	14-Jan-16	28-Mar-16	30-Apr-16	13-Jul-16	0%	-107	278						B00.0160, Faca
B20.0420	ICP and SPS	75	14-Jan-16	28-Mar-16	22-Apr-16 A	13-Jul-16	5%	-107	-66						B20.0420, ICP
Visual Mock-Up (VMU)															
VMU Document / Drawing Submission															
A00.3000	Prepare, Submit & Approve Temp Works & Suggest I	30	26-Sep-15	25-Oct-15	26-Sep-15 A	24-Dec-15 A	100%	-59							s & Suggest Locations of Construction Joints
A00.3010	Prepare, Submit & Approve Method Statement for VI	30	26-Sep-15	25-Oct-15	26-Sep-15 A	24-Dec-15 A	100%	-59							Statement for VMU
VMU Construction															
Step 2.0 - Existing Concrete Shell															
VMU Building Service Works															
A00.3202	Building Services (MVAC) - (1st & 2nd Fix) Ceiling B	12	20-Nov-15	03-Dec-15	30-Apr-16	16-May-16	0%	-128	798						A00.3202, Building Services (MVAC) - (1st &
A00.3208	Building Services (FS) - Install Cable Containment /	6	15-Jan-16	21-Jan-16	30-Apr-16	07-May-16	0%	-84	199						A00.3208, Building Services (FS) - Install Cable C
A00.3210	Building Services (MVAC) - Final Fix) Ceiling dumpe	4	19-Feb-16	23-Feb-16	03-Jun-16	07-Jun-16	0%	-84	187						A00.3210, Building Services (MVA
A00.3220	Building Services (Elect & ELV) - (Final Fix) CCTV Ca	6	24-Feb-16	01-Mar-16	08-Jun-16	15-Jun-16	0%	-84	187						A00.3220, Building Services (
A00.3230	Building Services (FS) - (Final Fix) Fire Alarm, PA Sp	6	29-Feb-16	05-Mar-16	01-Apr-16 A	15-Jun-16	10%	-80	187						A00.3230, Building Services (
VMU ABWF & Finishes															
VMU Gallery & B1 Plaza Space															
VMU Ceiling															
A00.3100	Install Ceiling grid / Gypsum board	8	18-Dec-15	30-Dec-15	01-Apr-16 A	10-May-16	45%	-104	187						A00.3100, Install Ceiling grid / Gypsum board, I
A00.3110	Ceiling Painting	4	31-Dec-15	05-Jan-16	11-May-16	16-May-16	0%	-104	187						A00.3110, Ceiling Painting
VMU Floor															
A00.3120	Install Raised Flooring	8	15-Jan-16	23-Jan-16	17-May-16	25-May-16	0%	-96	187						A00.3120, Install Raised Flooring
A00.3130	Install Timber Flanks Flooring	6	07-Mar-16	12-Mar-16	16-Jun-16	22-Jun-16	0%	-80	187						A00.3130, Install Timber F
VMU Wall															
A00.3145	Install Glass / Metal Balustrade	13	22-Jan-16	05-Feb-16	24-May-16	07-Jun-16	0%	-96	187						A00.3145, Install Glass / Metal Ba
A00.3150	Wall Painting	6	12-Feb-16	18-Feb-16	01-Jun-16	07-Jun-16	0%	-88	187						A00.3150, Wall Painting
A00.3160	Install Door Panels	4	14-Mar-16	17-Mar-16	23-Jun-16	27-Jun-16	0%	-80	187						A00.3160, Install Door
VMU Lobby Space															
VMU Wall															
A00.3190	Install Ceramic Cladding & Rain Screen	7	28-Jan-16	04-Feb-16	08-Jun-16	16-Jun-16	0%	-104	176						A00.3190, Install Ceramic Cl
A00.3200	Install Glass Balustrade with Rubber handrail	10	05-Feb-16	19-Feb-16	17-Jun-16	28-Jun-16	0%	-104	176						A00.3200, Install Glass
A00.3650	Install Metal Mesh Balustrade	10	20-Feb-16	02-Mar-16	29-Jun-16	11-Jul-16	0%	-104	176						A00.3650, Insta
VMU Floor															
A00.3660	Polished Concrete Flooring Treatment	6	18-Dec-15	28-Dec-15	30-Apr-16	07-May-16	0%	-104	176						A00.3660, Polished Concrete Flooring Treatment
A00.3670	Precast Concrete Paver Installation	12	29-Dec-15	12-Jan-16	09-May-16	23-May-16	0%	-104	176						A00.3670, Precast Concrete Paver Installk
A00.3680	Install Metal Mesh Balustrade	13	13-Jan-16	27-Jan-16	24-May-16	07-Jun-16	0%	-104	176						A00.3680, Install Metal Mesh Balu
VMU Facade Works															
A00.3685	Access date for Concrete Shell Mock-Up	0	16-Feb-16		06-Jun-16		0%	-89	178						◆ Access date for Concrete Shell Moc
A00.3690	Erection of Scaffolds for Shell Mock-Up	4	16-Feb-16	19-Feb-16	06-Jun-16	10-Jun-16	0%	-89	178						A00.3690, Erection of Scaffolds
A00.3700	Install Facade Mock-Up Panels	7	20-Feb-16	27-Feb-16	11-Jun-16	18-Jun-16	0%	-89	178						A00.3700, Install Facade Mo
A00.3815	Install Glazing & Sealant Application	2	29-Feb-16	01-Mar-16	20-Jun-16	21-Jun-16	0%	-89	178						A00.3815, Install Glazing &
A00.3825	Install Glazing & Sealant Application	14	02-Mar-16	17-Mar-16	22-Jun-16	08-Jul-16	0%	-89	178						A00.3825, Install

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										Apr	May	Jun	Jul	Aug	
VMU ABWF & Finishes															
A00.3280	Hybrid Mock Up - Install PC Paver at External Floor	12	19-Dec-15	06-Jan-16	30-Apr-16	16-May-16	0%	-103	184						
A00.3290	Hybrid Mock Up - Internal Wall Plasters and Wet Tra	6	06-Jan-16	12-Jan-16	16-May-16	21-May-16	0%	-103	184						
A00.3300	Hybrid Mock Up - Door Frame Installation	3	09-Jan-16	12-Jan-16	19-May-16	21-May-16	0%	-103	184						
A00.3310	Hybrid Mock Up - Floor Screeding & Cure	4	13-Jan-16	16-Jan-16	23-May-16	26-May-16	0%	-103	184						
A00.3320	Hybrid Mock Up - Install wooden slat & tower open n	6	29-Jan-16	04-Feb-16	01-Apr-16 A	07-May-16	10%	-72	205						
A00.3330	Hybrid Mock Up - Install MML Inclines Concrete Ceili	3	02-Feb-16	04-Feb-16	27-May-16	30-May-16	0%	-90	184						
A00.3340	Hybrid Mock Up - Timber Floor Installation	6	16-Feb-16	22-Feb-16	07-Jun-16	14-Jun-16	0%	-90	184						
A00.3350	Hybrid Mock Up - Install Panel Doors (2-nos)	5	22-Feb-16	26-Feb-16	14-Jun-16	18-Jun-16	0%	-90	184						
VMU MEP Building Service Works															
A00.3360	Hybrid Mock Up - Building Services (Elect) - (1st & 2	10	18-Jan-16	28-Jan-16	01-Apr-16 A	12-May-16	30%	-82	218						
A00.3370	Hybrid Mock Up - Building Services (FS) - (1st & 2nc	10	18-Jan-16	28-Jan-16	01-Apr-16 A	12-May-16	50%	-82	218						
A00.3380	Hybrid Mock Up - Building Services (Elect) - (Final F	6	05-Feb-16	15-Feb-16	15-Apr-16 A	20-May-16	30%	-76	218						
A00.3390	Hybrid Mock Up - Building Services (FS) - Hose Reel	6	05-Feb-16	15-Feb-16	13-May-16	20-May-16	0%	-76	218						
A00.3400	Hybrid Mock Up - Building Services (FS) - (Final Fix)	6	05-Feb-16	15-Feb-16	13-May-16	20-May-16	0%	-76	218						
VMU External Facade															
A00.3765	Hybrid Mock Up - Access Date for Hybrid Mock-Up	0	20-Jan-16		01-Apr-16 A		100%	-56							
A00.3775	Hybrid Mock Up - Erection for Scaffolds	3	20-Jan-16	22-Jan-16	01-Apr-16 A	30-Apr-16 A	100%	-77							
A00.3785	Hybrid Mock Up - Install External Facade for Hybrid I	14	23-Jan-16	11-Feb-16	30-Apr-16	18-May-16	0%	-77	204						
A00.3795	Hybrid Mock Up - Install Glazing & Sealant Applicatic	2	12-Feb-16	13-Feb-16	19-May-16	20-May-16	0%	-77	204						
A00.3805	Hybrid Mock Up - Inspection and Approval of Visual I	14	15-Feb-16	01-Mar-16	21-May-16	06-Jun-16	0%	-77	204						
VMU External Works															
VMU MEP - FS Pipeworks															
A00.3835	Hybrid Mock Up - Excavation Works From Existing D	3	22-Jan-16	25-Jan-16	07-May-16	10-May-16	0%	-83	189						
A00.3845	Hybrid Mock Up - Install FS Water Pipeworks & PVC i	6	25-Jan-16	30-Jan-16	10-May-16	17-May-16	0%	-83	189						
A00.3855	Hybrid Mock Up - Lay Cabling / Wiring and Terminat	4	01-Feb-16	04-Feb-16	18-May-16	21-May-16	0%	-83	189						
VMU MEP - Electrical Works															
A00.3865	Hybrid Mock Up - Install Pipe ducts From Hybrid Moc	6	06-Jan-16	12-Jan-16	30-Apr-16	07-May-16	0%	-92	208						
A00.3875	Hybrid Mock Up - Lay Cabling & Termination From H	10	13-Jan-16	23-Jan-16	09-May-16	20-May-16	0%	-92	208						
VMU Step 2.2 - Concrete Stair															
VMU ABWF & Finishes															
A00.3430	Concrete Stair - Timber Tread & Risers Installation	10	02-Dec-15	12-Dec-15	17-May-16	27-May-16	0%	-130	788						
A00.3440	Concrete Stair - Exposed Concrete Treatment	13	23-Oct-15	06-Nov-15	30-Apr-16	17-May-16	0%	-152	190						
A00.3450	Concrete Stair - Precast Concrete Plank & Treads In:	7	10-Nov-15	17-Nov-15	20-May-16	27-May-16	0%	-152	190						
A00.3460	Concrete Stair - Metal Balustrade w/ Railing Installa	12	18-Nov-15	01-Dec-15	01-Apr-16 A	16-May-16	20%	-130	200						
A00.3470	Concrete Stair - Painting Works for Metal Balustrade	4	14-Dec-15	17-Dec-15	28-May-16	01-Jun-16	0%	-130	190						
VMU MEP Building Service Works															
A00.3480	Concrete Stair - Electrical Works for LED Lighting on	8	18-Dec-15	30-Dec-15	02-Jun-16	11-Jun-16	0%	-130	190						
VMU MEP Testing and Commissioning															
A00.3485	VMU - Building Services Testing and Commissioning	10	07-Mar-16	17-Mar-16	20-Jun-16	30-Jun-16	0%	-83	184						
VMU Statutory Submission & Inspection															
VMU WSD (FS Pipeworks)															

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										Apr	May	Jun	Jul	Aug	
A00.3890	VMU - Submit Form WW046 (Part 3) to WSD (by MJ	12	02-Feb-16	13-Feb-16	13-May-16	24-May-16	0%	-101	228						
A00.3900	VMU - Submit Form WW046 (Part 4) to WSD	12	14-Feb-16	25-Feb-16	25-May-16	05-Jun-16	0%	-101	228						
A00.3910	VMU - Inspection and Approval by WSD	1	03-Mar-16	03-Mar-16	12-Jun-16	12-Jun-16	0%	-101	228						
A00.3920	VMU - Tie-In Connection to Existing Dog House	2	04-Mar-16	05-Mar-16	13-Jun-16	14-Jun-16	0%	-79	188						
VMU EMSD (Electrical)															
A00.3930	VMU - Prepare & Submit Form WR1 to EMSD (For re	6	18-Mar-16	24-Mar-16	20-Jun-16	25-Jun-16	0%	-73	201						
VMU FSD (Fire Service)															
A00.3490	VMU - Form 314 & 501 Submission	0	18-Mar-16		12-Jul-16		0%	-116	217						
A00.3500	VMU - FSD's Inspection & Fire Certificate Issuance	15	18-Mar-16	01-Apr-16	12-Jul-16	26-Jul-16	0%	-116	217						
VMU BD (OP)															
A00.3510	VMU - Submission of BA14	0	02-Apr-16		27-Jul-16		0%	-116	217						
A00.3520	VMU - BD Inspection	16	02-Apr-16	17-Apr-16	27-Jul-16	11-Aug-16	0%	-116	217						
Last Date for Exercising Provisional Sum & Optional Items (Refer Annex B to Preamble) (To be revised															
External Works / Hard & Soft Landscape															
PN2	Elements cooling main - ventilation intake shaft / m	0	26-Sep-15		26-Sep-15 A		100%	0							
Other Provisional Sums / Options for M+ Main Works Contract															
PP2.2	Interface car park - ELS, Architectural and BS works	0		28-Jan-16		30-Apr-16	0%	-92	846						
PP3.2	Sewage pumping station (SPS) - ELS, foundation, si	0		28-Jan-16		30-Apr-16	0%	-92	1001						
PP4	Sea water pump cell - basic Building Services provisi	0		26-Sep-15		26-Sep-15 A	100%	1							
PP5	BWIC / basic Building Services provisions for CLP tra	0		26-Sep-15		30-Apr-16	0%	-217	1001						
PP6	CA/RSS M+PSO - Complete office accommodation a	0		26-Sep-15		29-Apr-16 A	100%	-216							
PP7	Contractor's proposed of SOM and IPS	0		26-Sep-15		26-Sep-15 A	100%	0							
Construction Milestones (Internal Reference)															
CM0010	Contract Award Date (26 Sep 15)	0	26-Sep-15		26-Sep-15 A		100%	0							
Preliminaries / Construction															
Plant & Equipment															
A00.2000	Erection of Tower Crane No. 2	12	23-May-16	23-Jun-16	22-Jul-16	04-Aug-16	0%	-34	46						
A00.2100	Erection of Tower Crane No. 3	21	02-Mar-16	29-Mar-16	13-Jun-16	14-Jul-16	0%	-75	50						
Excavation & ELS															
BD Milestones & BD Stages LoE															
Portion M01															
B10.3380	BD Stage 3 - Construct B2 slab for A4, B4 & PC cons	32	03-May-16	26-May-16	09-May-16	25-Jun-16	0%	-20	2						
B10.3390	BD Stage 4 - Construct B2 slab for A5, B5 & Site for	0	23-Apr-16	23-Apr-16	10-May-16	10-May-16	0%	-11	709						
B10.3400	BD Stage 5 - Construct B2 slab for A6, A7, A8, B6 &	51	25-Apr-16	08-Oct-16	26-May-16	12-Aug-16	0%	37	61						
B10.3410	BD Stage 6 - Construct PC for A9, A10, A11, A12, B	48	24-May-16	10-Sep-16	11-Jun-16	22-Aug-16	0%	13	70						
B10.3420	BD Stage 7 - Construct B2 slab for A9, A10, A11, A1	88	03-Jun-16	03-Jun-16	26-May-16	08-Oct-16	0%	-83	59						
AEL North															
Portion A6, A7, A10, A11															
B10.2110	AEL North - ELS Stage 5 Site Formation (Portion A1	30	20-Jun-16	05-Aug-16	21-Apr-16 A	15-Jul-16	10%	13	39						
Portion A10a & 10b - ELS & Excavation															

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										Apr	May	Jun	Jul	Aug	
B10.2080a	AEL North - ELS Stage 5 & 6 - 1st Trimming (A10)	4			17-Jun-16	21-Jun-16	0%		711						
B10.2080b	AEL North - ELS Stage 5 & 6 - 1st Lateral Support (A	12			22-Jun-16	06-Jul-16	0%		711						
B10.2080c	AEL North - ELS Stage 5 & 6 - 2nd trimming (A10)	4			07-Jul-16	11-Jul-16	0%		711						
B10.2080d	AEL North - ELS Stage 5 & 6 - 2nd Lateral Support (.	12			12-Jul-16	26-Jul-16	0%		711						
B10.2080e	AEL North - ELS Stage 5 & 6 - Excavate Pilecap Forn	5			27-Jul-16	01-Aug-16	0%		711						
Portion A11- ELS & Excavation															
B10.2080h	AEL North - ELS Stage 5 & 6 - 1st Trimming (A11)	4			17-Jun-16	21-Jun-16	0%		720						
B10.2080j	AEL North - ELS Stage 5 & 6 - 1st Lateral Support (A	12			22-Jun-16	06-Jul-16	0%		720						
B10.2080k	AEL North - ELS Stage 5 & 6 - 2nd trimming (A11)	6			07-Jul-16	13-Jul-16	0%		720						
B10.2080l	AEL North - ELS Stage 5 & 6 - 2nd Lateral Support (.	12			14-Jul-16	28-Jul-16	0%		720						
B10.2080m	AEL North - ELS Stage 5 & 6 - Excavate Pilecap Forn	6			29-Jul-16	04-Aug-16	0%		720						
Portion A12 - ELS & Excavation															
B10.2080p	AEL North - ELS Stage 5 & 6 - 1st Trimming (A12)	4			17-Jun-16	21-Jun-16	0%		16						
B10.2080q	AEL North - ELS Stage 5 & 6 - 1st Lateral Support (A	12			22-Jun-16	06-Jul-16	0%		16						
B10.2080r	AEL North - ELS Stage 5 & 6 - 2nd trimming (A12)	5			07-Jul-16	12-Jul-16	0%		16						
B10.2080s	AEL North - ELS Stage 5 & 6 - 2nd Lateral Support (.	12			13-Jul-16	27-Jul-16	0%		16						
B10.2080t	AEL North - ELS Stage 5 & 6 - Excavate Pilecap Forn	5			28-Jul-16	02-Aug-16	0%		16						
Portion B8 & A9, B9															
B10.2100	AEL North - ELS Stage 5 Site Formation (B8 & A9, B	16	16-May-16	07-Jun-16	31-May-16	24-Jun-16	0%	-11	18						
AEL South															
DCS															
B10.1160a	DCS - Pre-Loading Test (3-nos)	7			18-Apr-16 A	22-Apr-16 A	100%								
B10.1210	DCS - Excavation for Pile Cap & Sump pit	14	28-Jan-16	16-Feb-16	23-Apr-16 A	10-May-16	80%	-67	38						
B10.1240	DCS - Complete Excavation for Advanced Access of	0		16-Feb-16		10-May-16	0%	-67	38						
B10.2220	DCS - Remove 1st Layer Struts at +4.2mPD	4	20-Jun-16	05-Jul-16	14-Jul-16	19-Jul-16	0%	-8	495						
B10.2230	DCS - Backfilling and Install Access Hatch and Misc.	50	08-Jul-16	20-Sep-16	21-Jul-16	03-Oct-16	0%	-8	495						
AEL South except DCS															
B10.1090	AEL South - Plant Room - Excavate to +2.45mPD fo	16	20-Apr-16	12-May-16	17-May-16	10-Jun-16	0%	-18	222						
AEL North East of Portion A10 (for Area M12 h/o)															
C10.0000	AEL NE Portion A10 - Excavate to +3.7mPD	16	18-Jul-16	09-Aug-16	09-Jul-16	01-Aug-16	0%	5	10						
C10.0010	AEL NE Portion A10 - 1st Layer Struts at +4.2mPD	16	26-Jul-16	18-Aug-16	19-Jul-16	11-Aug-16	0%	5	10						
C10.0020	AEL NE Portion A10 - Excavate to +1.5mPD	16	05-Aug-16	26-Aug-16	28-Jul-16	19-Aug-16	0%	5	10						
ICP															
B10.3180	ICP - Dewatering Commence	0	22-Feb-16		03-May-16		0%	-56	-54						
B10.3190	ICP - Excavate Central Portion from +3.625mPD to	30	22-Feb-16	30-Mar-16	03-May-16	16-Jun-16	0%	-56	-54						
B10.3200	ICP - Excavate Area A to -1.650mPD	30	31-Mar-16	09-May-16	17-Jun-16	01-Aug-16	0%	-55	-54						
Structures															
Basement Structures / Sub-Structure															
Pilecaps															
AEL North															

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- Non-Critical
- Critical Bar

West Kowloon Cultural District Authority
(3MRP) 3-Months Rolling Programme Status 30 April 2016



Date	Revision	Checked	Approved
03-Dec-15	(3MRP) 3-Months Rolling Prog @ ...	Chris / E...	Leo Harnett
06-Jan-16	(3MRP) 3-Months Rolling Prog @ ...	Chris / E...	Leo Harnett
13-Feb-16	(3MRP) 3-Months Rolling Prog @ ...	Chris / E...	Desmond
17-Mar-16	(3MRP) 3-Months Rolling Prog @ ...	Jojo	Desmond

Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016					
										Apr	May	Jun	Jul	Aug	
Stage 1 - Pilecap (A1,A2,A3,B1,B2,B3)															
B10.3027	AEL North - Excavation & Concrete Base for Tower C	6	03-May-16	21-May-16	14-Jul-16	21-Jul-16	0%	-49	46						
Stage 2 & 3 - Pilecap (A4,A5,B4,B5)															
Pilecap (A4 & A5)															
B10.2060	AEL North - ELS Stage 2 - Ist Lateral Support (A4 / I	12	22-Mar-16	08-Apr-16	18-Apr-16 A	23-Apr-16 A	100%	-12							
B10.2060a	AEL North - ELS Stage 2 - 2nd trimming (A4 / A5)	2	09-Apr-16	11-Apr-16	24-Apr-16 A	25-Apr-16 A	100%	-11							
B10.2060b	AEL North - ELS Stage 2 - 2nd Lateral Support (A4 /	8	12-Apr-16	25-Apr-16	26-Apr-16 A	05-May-16	0%	-8	6						
B10.2060c	AEL North - ELS Stage 2 - Excavate Pilecap Formatic	3	26-Apr-16	30-Apr-16	06-May-16	09-May-16	0%	-6	6						
B10.2060d	AEL North - ELS Stage 3 - Construct Pilecap & B2 Sl	8	03-May-16	13-May-16	10-May-16	19-May-16	0%	-4	6						
B10.2060e	AEL North - ELS Stage 3 - 3rd Trimming (A5)	2	16-May-16	17-May-16	20-May-16	21-May-16	0%	-4	6						
B10.2060f	AEL North - ELS Stage 3 - 3rd Lateral Support (A5)	5	17-May-16	21-May-16	21-May-16	26-May-16	0%	-4	6						
B10.2060g	AEL North - ELS Stage 3 - Deep Excavation for Pilec	2	21-May-16	26-May-16	26-May-16	27-May-16	0%	-1	6						
B10.2060h	AEL North - ELS Stage 3 - Construct Pilecap (A5)	4	26-May-16	30-May-16	27-May-16	31-May-16	0%	-1	6						
B10.2060i	AEL North - Remove 3rd Layer Supports (2-nos)	3			01-Jun-16	03-Jun-16	0%		6						
B10.2060j	AEL North - Extend Pile Caps (PC25) to -2.3mPD (T	7			04-Jun-16	13-Jun-16	0%		6						
B10.2060k	AEL North - Backfill & Construct Remaining B2 Slab	4			14-Jun-16	17-Jun-16	0%		6						
B10.2060m	Complete Pilecap (A5) & B2 Slab (A4) (Milestone B4	0				17-Jun-16	0%		6						
Pilecap (B4 & B5)															
B10.2070b	AEL North - ELS Stage 2 - Ist Lateral Support (B4 / I	16	22-Mar-16	08-Apr-16	02-Apr-16 A	23-Apr-16 A	100%	-12							
B10.2070c	AEL North - ELS Stage 2 - 2nd trimming (B4 / B5)	2	09-Apr-16	11-Apr-16	24-Apr-16 A	25-Apr-16 A	100%	-11							
B10.2070d	AEL North - ELS Stage 2 - 2nd Lateral Support (B4 /	8	12-Apr-16	25-Apr-16	26-Apr-16 A	05-May-16	0%	-8	2						
B10.2070e	AEL North - ELS Stage 2 - Excavate Pilecap Formatic	3	26-Apr-16	30-Apr-16	06-May-16	09-May-16	0%	-6	2						
B10.2070f	AEL North - ELS Stage 3 - Construct Pilecap (PC72b	18	03-May-16	13-May-16	09-May-16	30-May-16	0%	-13	2						
B10.2070h	AEL North - ELS Stage 3 - 3rd Trimming (B5)	2	17-May-16	21-May-16	31-May-16	01-Jun-16	0%	-9	2						
B10.2070i	AEL North - ELS Stage 3 - 3rd Lateral Support (B5)	5	21-May-16	26-May-16	01-Jun-16	06-Jun-16	0%	-9	2						
B10.2070j	AEL North - ELS Stage 3 - Deep Excavation for Pilec	2	26-May-16	30-May-16	06-Jun-16	07-Jun-16	0%	-7	2						
B10.2070k	AEL North - ELS Stage 3 - Construct Pilecap & B2 Sl	4	30-May-16	30-May-16	07-Jun-16	11-Jun-16	0%	-10	2						
B10.2070l	AEL North - Remove 3rd Layer Supports (3-nos)	3			13-Jun-16	15-Jun-16	0%		2						
B10.2070m	AEL North - Extend Pile Caps PC70 & PC75 to -2.3m	7			15-Jun-16	22-Jun-16	0%		2						
B10.2070n	AEL North - Backfill & Construct Remaining B2 Slab	4			22-Jun-16	25-Jun-16	0%		2						
B10.2070p	Complete Pilecap (B5) & B2 Slab (B4) (Milestone B4	0				25-Jun-16	0%		2						
Stage 4, 5, 6 & 7 (A6, A7, A8, A9, A10, A11, A12 & B6, B7, B8, B9)															
B10.3101	AEL North - BD Stage 4 - Pile Cap Construction (Por	36	23-Apr-16	27-Jun-16	30-Apr-16	14-Jun-16	0%	11	13						
B10.3102	AEL North - BD Stage 5 - Underground Drainage (Pc	19	25-Apr-16	23-May-16	03-May-16	25-May-16	0%	-2	13						
B10.3103	AEL North - BD Stage 6 - Pile Cap Construction (Por	30	24-May-16	09-Jul-16	11-Jun-16	26-Jul-16	0%	-11	18						
B10.3104	AEL North - BD Stage 6 - Underground Drainage (Pi	12	24-May-16	11-Jun-16	11-Jun-16	27-Jun-16	0%	-11	18						
B10.3590	AEL North - BD Stage 6 - Pile Cap Construction (Por	30	28-Jun-16	13-Aug-16	30-Apr-16	17-Jun-16	0%	37	39						
B10.3600	AEL North - BD Stage 6 - Underground Drainage (Pc	11	28-Jun-16	15-Jul-16	30-Apr-16	19-May-16	0%	37	39						
B10.3610	AEL North - BD Stage 4 - Pile Cap Construction (Por	30	06-Aug-16	19-Sep-16	10-Jun-16	25-Jul-16	0%	37	61						
B10.3620	AEL North - BD Stage 5 - Underground Drainage (Pc	12	08-Aug-16	23-Aug-16	11-Jun-16	27-Jun-16	0%	37	72						
B10.3630	AEL North - BD Stage 6 - Pile Cap Construction (Por	25	06-Aug-16	10-Sep-16	18-Jul-16	22-Aug-16	0%	13	65						
B10.3640	AEL North - BD Stage 6 - Underground Drainage (Pi	8	06-Aug-16	16-Aug-16	18-Jul-16	28-Jul-16	0%	13	87						

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										Apr	May	Jun	Jul	Aug	
C10.0350	AEL North East of GL J' - Pile Caps and Sump Pits for	25	26-Jul-16	30-Aug-16	19-Jul-16	23-Aug-16	0%	5	25						
AEL South															
Stage 1 - East Pilecap & DCS															
B10.1225	AEL South - Excavation & Concrete Base Constructi	28	12-Jan-16	16-Feb-16	30-Apr-16	11-Jun-16	0%	-87	50						
B10.1230	AEL South - DCS - Pile Caps	12	17-Feb-16	23-Mar-16	26-Apr-16 A	10-May-16	10%	-36	38						
B10.1230a	AEL South - DCS - Temporary Shoring for Sump pits	5			19-May-16	24-May-16	0%		38						
B10.1230b	AEL South - DCS - Construction of Sump pits	4			24-May-16	27-May-16	0%		38						
B10.1230c	AEL South - DCS - Overflow pipe installation	4			27-May-16	31-May-16	0%		38						
RC Structures for Trusses															
B6A.2004	AEL South - Construct Pile Cap PC 92'c' & PC 117 fc	18	23-Jun-16	21-Jul-16	06-Apr-16 A	21-Jul-16	30%	0	91						
B6A.2006	AEL South - Complete Pile Caps for Trusses 3 & 4	0		21-Jul-16		21-Jul-16	0%	0	91						
C10.0090	AEL South - East Core Wall from B1/F to 1M/F (Trus	37	31-Mar-16	21-May-16	06-May-16	30-Jun-16	0%	-26	38						
C10.0130	AEL South - Complete Pile Caps PC96, Core Wall for	0		07-Jun-16		30-Jun-16	0%	-19	48						
B2/F Slabs															
Portion A6, A7															
B10.3480	AEL North - B2 Slab - Stage 5 (Portion A6)	14	31-May-16	15-Jul-16	26-May-16	16-Jun-16	0%	19	10						
B10.3485	AEL North - B2 Slab - Stage 5 (Portion A7)	14			17-Jun-16	08-Jul-16	0%		10						
Portion B8, A9															
B10.3490	AEL North - B2 Slab - Stage 7 (Portion B8, A9)	46	06-Jun-16	15-Aug-16	23-Jun-16	30-Aug-16	0%	-11	635						
Portion B9															
B10.3500	AEL North - B2 Slab - Stage 7 (Portion B9)	28	03-Jun-16	15-Jul-16	20-Jun-16	01-Aug-16	0%	-11	18						
Portion A10, A11, A12															
B10.3005	AEL North - B2 Slab - Stage 7 (Portion A10, A11,A12)	41	18-Jul-16	15-Sep-16	30-Jun-16	30-Aug-16	0%	10	12						
Portion A8, B6, A12, B7															
B10.3022	AEL North - B2 Slab - Stage 5 (Portion B6)	18	10-Sep-16	08-Oct-16	18-Jul-16	12-Aug-16	0%	37	61						
AEL South															
B10.2179	AEL South (DCS) - Waterproofing for B2 Slab	10			11-May-16	23-May-16	0%		38						
B10.2179a	AEL South (DCS) - Construct B2 Basement slab	11			19-May-16	31-May-16	0%		38						
B10.2180	AEL South (DCS) - Remaining B2 Slab & Concrete (	4	24-Mar-16	28-Apr-16	01-Jun-16	04-Jun-16	0%	-30	38					
B1/F Slab - Walls, Columns & B1/F Slabs															
AEL North - B1/F Slab other than AEL Zone															
B10.3065	AEL North - Wall, Column & B1 Slab (Portion B1D)	19	11-Apr-16	03-May-16	11-Apr-16 A	04-Jun-16	0%	-20	55						
B10.3520	AEL North - Wall, Column & B1 Slab (Portion B1E)	22	16-Aug-16	17-Sep-16	06-Jun-16	09-Jul-16	0%	46	70						
B10.3540	AEL North - Wall, Column & B1 Slab (Portion B1F)	20	31-May-16	30-Jun-16	06-Jun-16	05-Jul-16	0%	-3	55						
AEL North - B1/F Slab for Truss T1, T2 & T5 Erection															
B10.3090	AEL North - Walls, Column & B1 Slab (Portion A4 & /	18	03-Mar-16	23-Mar-16	27-Jun-16	25-Jul-16	0%	-82	168						
AEL South - B1/F Slab for DCS to facilitate Truss Erection															
B10.2115	AEL South (DCS) - Remove 2nd Layer Struts at 0.0i	4	29-Apr-16	12-May-16	06-Jun-16	10-Jun-16	0%	-23	38						
B10.2125	AEL South (DCS) - Construct Walls & Columns to B:	15	29-Apr-16	06-Jun-16	10-Jun-16	27-Jun-16	0%	-17	38						
B10.2125a	AEL South (DCS) - Puddle Frange Installation	4			23-Jun-16	27-Jun-16	0%		38						
B10.2125b	AEL South (DCS) - Erect Scaffolds & Formworks for	7			27-Jun-16	05-Jul-16	0%		38						
B10.2125c	AEL South (DCS) - Rebar Fixing	5			04-Jul-16	08-Jul-16	0%		38						

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Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016					
										Apr	May	Jun	Jul	Aug	
B10.2130	AEL South (DCS) - Concreting for B1 Slab ~+6.05m	6	20-May-16	18-Jun-16	07-Jul-16	13-Jul-16	0%	-20	38						
AEL South - East Core Wall From B1/F to 1M/F															
B10.1035	AEL South - Construct Core Wall From B1F to G/F L	12			09-May-16	26-May-16	0%		1						
B10.1037	AEL South - Construct Core Wall From G/F to 1/F Lv	12			27-May-16	14-Jun-16	0%		1						
B10.1040	AEL South - Construct Core Wall From 1/F to 1M/F I	12	01-Apr-16	20-May-16	14-Jun-16	30-Jun-16	0%	-27	1						
AEL South - Roadwall Construction Prior H/O to Lyrics Contract by (30 June 2016)															
B10.1045	AEL South (Road Wall) - Construct Basement Plenui	10			10-May-16	24-May-16	0%		21						
B10.1050	AEL South (Road Wall) - Construct B1 Slab Bet GL 8	12	01-Apr-16	20-Apr-16	10-May-16	27-May-16	0%	-25	21						
B10.3290	AEL South (Road Wall) - Construct External Wall Be	14	21-Apr-16	14-Jun-16	28-May-16	18-Jun-16	0%	-3	21						
B10.3300	AEL South (Road Wall) - Construct External Wall Be	14	21-Apr-16	28-May-16	28-May-16	18-Jun-16	0%	-13	21						
B10.3310	AEL South (Road Wall) - Construct External Wall Be	14	29-Apr-16	24-May-16	28-May-16	18-Jun-16	0%	-16	40						
B10.3315	AEL South (Road Wall) - Construct Walls, Column &	18	29-Apr-16	13-Jun-16	26-May-16	21-Jun-16	0%	-6	38						
B10.3320	AEL South (Road Wall) - Construct G/F Slab Bet GL	16	03-Jun-16	27-Jun-16	07-Jun-16	30-Jun-16	0%	-2	38						
B10.3330	Handover Portion M14 to Lyric Contractor (App.D1 I	0		27-Jun-16		30-Jun-16	0%	-2	675						
Podium Super-Structures															
Trusses															
AEL Tunnel Zone -Trusses 1															
C10.0145	AEL Tunnel Zone - Construct RC Columns for Truss	34	08-Jun-16	20-Jul-16	27-Jun-16	06-Aug-16	0%	-15	2						
C10.0150	AEL Tunnel Zone - Erection of Temp Working Platfor	50	25-Jun-16	24-Aug-16	28-Jun-16	26-Aug-16	0%	-2	1						
AEL Tunnel Zone -Trusses 2															
C10.0162	AEL Tunnel Zone - Erection of Temp Working Platfor	50	13-Jul-16	09-Sep-16	14-Jul-16	10-Sep-16	0%	-1	4						
AEL Tunnel Zone -Trusses 5															
C10.0171	AEL Tunnel Zone - Construct Composite Columns fo	34			18-Jun-16	29-Jul-16	0%		6						
C10.0172	AEL Tunnel Zone - Erection of Temp Working Platfor	50	13-Jul-16	09-Sep-16	14-Jul-16	10-Sep-16	0%	-1	8						
G/F Slabs - Walls, Columns & G/F Slab															
AEL North															
B20.0015	Podium G/F Portion GF1 - Wall, Column & G/F slab (	23	19-Sep-16	24-Oct-16	11-Jul-16	13-Aug-16	0%	46	70					
SPS Structures (include Excavation)															
D01.3000	SPS - ELS Works	61	11-Feb-16	26-Apr-16	30-Apr-16	14-Jul-16	0%	-64	-62						
D01.3010	SPS - Construct Basement Structure	100	27-Apr-16	26-Aug-16	15-Jul-16	12-Nov-16	0%	-64	-62						
ICP Structures (include Excavation)															
A3980	ICP - ELS works	110	22-Feb-16	26-Jul-16	22-Apr-16 A	17-Oct-16	1%	-53	-53						
External Works															
M+ External Works															
Utilities															
Drainage															
EW1010	Construct the DN375 and DN600 strom drains withi	75	10-Dec-15	14-Mar-16	12-May-16	03-Sep-16	0%	-117	109						
EW1045	Construct M+ manholes S1.1, S3.2, S3.3, S3.4 (ter	91	10-Dec-15	09-Mar-16	12-May-16	10-Aug-16	0%	-154	821						
Sewage															
EW1000	Construct the DN375 sewer drain within Austin Roa	50	29-Dec-15	29-Feb-16	31-May-16	16-Aug-16	0%	-117	645						
Gas															

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										Apr	May	Jun	Jul	Aug	
EW1025	Construct the branch gas main for M+	50	01-Jun-16	20-Jul-16	28-Jun-16	16-Aug-16	0%	-27	753						
Telecom															
EW1080	Lay Telecom FTNS duct and complete pits connection	72	27-Jun-16	18-Oct-16	25-Jul-16	09-Nov-16	0%	-17	321						
CLP															
EW1090	Excavate trench in footway for the 11kV direct burie	12	02-Jun-16	18-Jun-16	28-Jun-16	18-Jul-16	0%	-18	538						
EW1100	Lay 11kV power cable by CLP (by others)	25	20-Jun-16	28-Jul-16	19-Jul-16	23-Aug-16	0%	-18	538						
Test & Commissioning, Statutory Inspections & OP															
M+															
WSD (FS Pipeworks)															
SH4200	FS - Submit Form WW046 (Part 1 & 2) to WSD (Sut	90	02-Feb-16	01-May-16	13-May-16	10-Aug-16	0%	-101	354						
WSD (Plumbing)															
SH4260	Plumbing - Submit Form WW046 (Part 1 & 2) to WS	90	02-Feb-16	01-May-16	13-May-16	10-Aug-16	0%	-101	354						
Summary Programme															
Preliminary / Pre-Construction															
BIM / CSD / CBWD															
SM0060	M+ Tower - Prepare & Submit BIM / CBWD / CBWD	294	29-Mar-16	27-Apr-17	31-May-16	29-May-17	0%	-25	39						
SM0080	CSF Block - Prepare & Submit BIM / CBWD / CBWD	247	13-Feb-16	13-Dec-16	30-Apr-16	28-Feb-17	0%	-60	89						
SM0100	RDE Bldg - Prepare & Submit BIM / CBWD / CBWD	247	13-Feb-16	13-Dec-16	30-Apr-16	28-Feb-17	0%	-60	89						
SM0120	ICP - Prepare & Submit BIM / CBWD / CBWD	1	02-Oct-15	20-Feb-16	22-Apr-16 A	18-Aug-16	0%	-145	-19						
SM0140	SPS - Prepare & Submit BIM / CBWD / CBWD	0	02-Oct-15	06-Feb-16	22-Apr-16 A	24-Jun-16	0%	-109	766						
Facade - Design / Procurement / Delivery															
SM0210	Facade - BD Embed Submission, consent & appvl fo	194	20-Jun-16	18-Feb-17	20-Jun-16	13-Feb-17	0%	5	10						
SM0220	Facade - BD Embed Submission, consent & appvl fo	205	20-Jun-16	21-Feb-17	20-Jun-16	25-Feb-17	0%	-4	3						
SM0280	Facade - Performance Test Mockup	162	19-May-16	24-Dec-16	13-Jun-16	24-Dec-16	0%	0	27						
Building Services - Design / Procurement / Delivery															
SM0440	Building Services - Manufacture, Fabrication & Deliv	446	28-Jun-16	25-Sep-17	25-Jun-16	13-Sep-17	0%	12	125						
Lift and Escalator - Design / Procurement / Delivery															
SM0480	Lifts & Escalators - Manufacture, Fabrication & Deliv	430	29-May-16	09-Aug-17	15-Jul-16	17-Sep-17	0%	-39	106						
Construction															
SPS															
SM1465	SPS - ELS Works (Provisional)	61	11-Feb-16	26-Apr-16	30-Apr-16	14-Jul-16	0%	-64	-62						
SM1470	SPS - RC Structure	100	27-Apr-16	26-Aug-16	15-Jul-16	12-Nov-16	0%	-64	-62						
ICP															
SM1415	ICP - ELS Works	138	22-Feb-16	26-Jul-16	03-May-16	18-Oct-16	0%	-69	-69						
External Works															
SM1400	M+ External Works	434	10-Dec-15	10-Nov-17	12-May-16	26-Oct-17	0%	12	234						

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3 Months Rolling Programme (3MRP-09)

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										Jun	Jul	Aug	Sep	Oct	
3-MRP Three Months Rolling Programme @ DD 30 June 2016															
Contract Key Dates & Milestones															
Contract Dates															
CP02	Contract Period (1218 days)	1218	26-Sep-15	25-Jan-19	26-Sep-15 A	25-Jan-19	23%	0	0						
Schedule of Milestones															
Cost Centre A - Preliminaries and General Requirements															
MSA.06	Compliance Review to the CA's satisfaction on Project T	0		30-Jun-16		30-Jun-16	0%	0	6						
Cost Centre B - M+															
MSB.04	Complete Pile Caps for Trusses 1, 2 & 5 (t=M9)	0		30-Jun-16		31-Aug-16	0%	-2	30						
Cost Centre C - Public Works and Tunnel Protection Works															
MSC.01	Obtain Notice of No Objection from Contract Administrat	0		29-Feb-16		31-Jul-16	0%	-5	31						
MSC.02	First delivery of major Truss Steelwork elements to the S	0		30-Jun-16		31-Aug-16	0%	-2	30						
MSC.03	Complete Pile Caps for Trusses 1, 2 & 5 (t=M9)	0		30-Jun-16		31-Aug-16	0%	-2	30						
Cost Centre D1 - Sewage Pumping Station															
MSD1.01	Complete all ELS & excavation works for the Sewge pum	0		30-Apr-16		31-Jul-16	0%	-3	31						
Interface Dates															
Access Date															
AD1180	M16 - Lyric Interface South (2nd access) (30Jun16)	0	17-May-16		30-Jun-16		0%	-44	351						
AD1160	M15 - M+ / Lyric Staircase (2nd access) (30Jun16)	0	17-May-16		30-Jun-16		0%	-44	351						
AD1420	M45 - At-grade Road Footpath along M+ Basement (fror	0	01-Jun-16		11-Aug-16		0%	-71	364						
AD1410	M44 - At-grade Road Footpath at ICP / SPS Frontage (fro	0	01-Jun-16		11-Aug-16		0%	-71	407						
AD1350	M39 - Lyric Waterfront / through ESS Compound (Subjec	0	31-Aug-16		31-Aug-16		0%	0	289						
AD1340	M38 - Lyric Waterfront (Part of MTR Area A1) (from Lyric	0	31-Aug-16		31-Aug-16		0%	0	289						
Vacation Date															
VD1330	M35 - Temporary Access Road Junction at KVB (for Acce	0		15-Jun-16		02-Jul-16*	0%	-17	0						
VD1260	M24 - Area Between M+ Site & KVB (for Access by Park C	0		13-Oct-17		02-Jul-16*	0%	468	0						
VD1250	M23 - Park Area West of New Temp Access Road (for Ac	0		13-Oct-17		30-Jul-16*	0%	440	0						
VD1570	M66a - Existing Car Park (for Access by Park Ctr) (15Jun2	0		26-Sep-15		30-Jul-16*	0%	-309	0						
VD1600	M69 - Part of Stockpile Area on M+ side of M+/Park Inte	0		25-Jan-18		30-Jul-16*	0%	544	0						
Preliminaries															
Pre-Construction - Design & Procurements															
External Facade for M+ Podium (By Permasteelisa)															
Facade Shop Drawing Submission															
Tower Facade															
DS.2004.06	2nd Submission	21			15-Apr-16 A	30-Jun-16	90%		43						
DS.2004.08	Comment on 2nd Submission	11			02-Jul-16	14-Jul-16	0%		43						
DS.2004.10	3rd Submission	10			15-Jul-16	27-Jul-16	0%		43						
DS.2004.12	Approval	11			28-Jul-16	09-Aug-16	0%		43						
Podium Facade															
DS.2004.14	1st Submission	10			07-Apr-16 A	06-Jul-16	95%		19						
DS.2004.16	Comment on 1st Submission	12			07-Jul-16	21-Jul-16	0%		19						
DS.2004.18	2nd Submission	6			22-Jul-16	28-Jul-16	0%		19						
DS.2004.20	Comment on 2nd Submission	11			29-Jul-16	10-Aug-16	0%		19						
DS.2004.22	3rd Submission	6			11-Aug-16	17-Aug-16	0%		19						
DS.2004.24	Approval	12			18-Aug-16	31-Aug-16	0%		19						
Glass Wall with T Mullion (Kinked & Straight B1/F & G/F),CW-01a to 03d															
DS.2004.26	1st Submission	8			30-Apr-16 A	08-Jul-16	90%		33						

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West Kowloon Cultural District Authority

3 Months Rolling Programme (3MRP-09)

Status @ 30 June 2016

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08-Apr-16	3 MRP-06 Status at Mar 2016	Ricky Lau	Chris Chau
05-May-16	3 MRP-07 Status at Apr 2016	Ricky Lau	Chris Chau
14-Jun-16	3 MRP-08 Status at May 2016	Ricky Lau	Chris Chau
13-Jul-16	3 MRP-09 Status at Jun 2016	Ricky Lau	Chris Chau

3 Months Rolling Programme (3MRP-09)

Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016					
										Jun	Jul	Aug	Sep	Oct	
DS.2004.28	Comment on 1st Submission	10			11-Jul-16	22-Jul-16	0%		33			Comment on 1st Submission			
DS.2004.30	2nd Submission	5			23-Jul-16	28-Jul-16	0%		33			2nd Submission			
DS.2004.32	Comment on 2nd Submission	10			30-Jul-16	11-Aug-16	0%		33			Comment on 2nd Submission			
DS.2004.34	3rd Submission	7			11-Aug-16	18-Aug-16	0%		33			3rd Submission			
DS.2004.36	Approval	12			19-Aug-16	01-Sep-16	0%		33			Approval			
Glass Wall with Precast Mullion & Ceramic Mullion, CW-04-05d and 07															
DS.2004.38	1st Submission	10			30-May-16	15-Jul-16	60%		68			1st Submission	1st Submission		
DS.2004.40	Comment on 1st Submission	10			18-Jul-16	28-Jul-16	0%		68			Comment on 1st Submission			
DS.2004.42	2nd Submission	6			29-Jul-16	04-Aug-16	0%		68			2nd Submission			
DS.2004.44	Comment on 2nd Submission	11			06-Aug-16	18-Aug-16	0%		68			Comment on 2nd Submission			
DS.2004.46	3rd Submission	6			19-Aug-16	25-Aug-16	0%		68			3rd Submission			
DS.2004.48	Approval	12			26-Aug-16	08-Sep-16	0%		68			Approval			
Podium Ceramic Concrete Tubes & with Perforated Cladding, FAC-CW-07															
DS.2004.50	1st Submission	10			27-May-16	22-Jul-16	0%		63			1st Submission	1st Submission		
DS.2004.52	Comment on 1st Submission	10			25-Jul-16	04-Aug-16	0%		63			Comment on 1st Submission			
DS.2004.54	2nd Submission	6			05-Aug-16	11-Aug-16	0%		63			2nd Submission			
DS.2004.56	Comment on 2nd Submission	11			12-Aug-16	24-Aug-16	0%		63			Comment on 2nd Submission			
DS.2004.58	3rd Submission	6			25-Aug-16	31-Aug-16	0%		63			3rd Submission			
DS.2004.60	Approval	12			01-Sep-16	14-Sep-16	0%		63			Approval			
Garden Gallery Ceramic Cladding & Ceiling, CE-03a,03b,03c															
DS.2004.62	1st Submission	10			17-Apr-16 A	06-Jul-16	90%		140			1st Submission	1st Submission		
DS.2004.64	Comment on 1st Submission	11			07-Jul-16	21-Jul-16	0%		140			Comment on 1st Submission			
DS.2004.66	2nd Submission	6			21-Jul-16	28-Jul-16	0%		140			2nd Submission			
DS.2004.68	Comment on 2nd Submission	11			28-Jul-16	10-Aug-16	0%		140			Comment on 2nd Submission			
DS.2004.70	3rd Submission	6			10-Aug-16	17-Aug-16	0%		140			3rd Submission			
DS.2004.72	Approval	12			17-Aug-16	31-Aug-16	0%		140			Approval			
L3 Storefront, CW-08a,08b															
DS.2004.76	Comment on 1st Submission	12			25-Jun-16 A	09-Jul-16	0%		206			Comment on 1st Submission	Comment on 1st Submission		
DS.2004.78	2nd Submission	5			11-Jul-16	15-Jul-16	0%		206			2nd Submission			
DS.2004.80	Comment on 2nd Submission	11			18-Jul-16	29-Jul-16	0%		206			Comment on 2nd Submission			
DS.2004.82	3rd Submission	6			30-Jul-16	05-Aug-16	0%		206			3rd Submission			
DS.2004.84	Approval	12			06-Aug-16	19-Aug-16	0%		206			Approval			
Strip Glazing at Skylight Gallery L3 & Plaza Skylight, CW10, SK-01,02															
DS.2004.86	1st Submission	10			14-May-16	11-Jul-16	0%		134			1st Submission	1st Submission		
DS.2004.88	Comment on 1st Submission	10			12-Jul-16	23-Jul-16	0%		134			Comment on 1st Submission			
DS.2004.90	2nd Submission	5			25-Jul-16	29-Jul-16	0%		134			2nd Submission			
DS.2004.92	Comment on 2nd Submission	11			01-Aug-16	12-Aug-16	0%		134			Comment on 2nd Submission			
DS.2004.94	3rd Submission	6			13-Aug-16	19-Aug-16	0%		194			3rd Submission			
DS.2004.96	Approval	12			20-Aug-16	02-Sep-16	0%		194			Approval			
Shop Drawings Metal Cladding FAC-LV-01b (Additional Scope)															
DS.2004.106	1st Submission	11			15-Aug-16*	27-Aug-16	0%		116			1st Submission			
DS.2004.116	Comment on 1st Submission	12			29-Aug-16	10-Sep-16	0%		116			Comment on 1st Submission			
DS.2004.126	2nd Submission	5			12-Sep-16	17-Sep-16	0%		116			2nd Submission			
DS.2004.136	Comment on 2nd Submission	11			19-Sep-16	30-Sep-16	0%		116			Comment on 2nd Submission			
Facade Doors - Shop Drawings Submission (Additional Works)															
Facade Door Package # 1: Glazed Doors Bet Ceramic Concrete Mullion (Total = 53 nos)															
DS.2004.166	Facade Door Package # 1 - 1st Submission	12			08-Aug-16*	22-Aug-16	0%		49			Facade Door Package # 1 - 1st Submission			
DS.2004.176	Facade Door Package # 1 - Comment on 1st Submission	12			23-Aug-16	05-Sep-16	0%		49			Facade Door Package # 1 - Comment on 1st Submission			
DS.2004.186	Facade Door Package # 1 - 2nd Submission	17			06-Sep-16	26-Sep-16	0%		49			Facade Door Package # 1 - 2nd Submission			
DS.2004.196	Facade Door Package # 1 - Comment on 2nd Submission	10			27-Sep-16	08-Oct-16	0%		49			Facade Door Package # 1 - Comment on 2nd Submission			
Facade Door Package # 2: Sliding Door in L3 Storefront (Total = 4 nos automatic)															

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Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016					
										Jun	Jul	Aug	Sep	Oct	
DS.2004.226	Facade Door Package # 2 - 1st Submission	12			18-Jul-16*	01-Aug-16	0%		67			Facade Door Package # 2 - 1st Submission			
DS.2004.236	Facade Door Package # 2 - Comment on 1st Submission	12			01-Aug-16	15-Aug-16	0%		67			Facade Door Package # 2 - Comment on 1st Submission			
DS.2004.246	Facade Door Package # 2 - 2nd Submission	18			15-Aug-16	05-Sep-16	0%		67			Facade Door Package # 2 - 2nd Submission			
DS.2004.256	Facade Door Package # 2 - Comment on 2nd Submission	11			06-Sep-16	19-Sep-16	0%		67			Facade Door Package # 2 - Comment on 2nd Submission			
DS.2004.266	Facade Door Package # 2 - 3rd Submission	11			20-Sep-16	03-Oct-16	0%		67			Facade Door Package # 2 - 3rd Submission			
Facade Door Package # 3: Swing Door at L3 Cafe (Total = 1 no Manual)															
DS.2004.286	Facade Door Package # 3 - 1st Submission	12			18-Jul-16*	01-Aug-16	0%		56			Facade Door Package # 3 - 1st Submission			
DS.2004.296	Facade Door Package # 3 - Comment on 1st Submission	12			01-Aug-16	15-Aug-16	0%		56			Facade Door Package # 3 - Comment on 1st Submission			
DS.2004.306	Facade Door Package # 3 - 2nd Submission	12			15-Aug-16	29-Aug-16	0%		56			Facade Door Package # 3 - 2nd Submission			
DS.2004.316	Facade Door Package # 3 - Comment on 2nd Submission	12			30-Aug-16	12-Sep-16	0%		56			Facade Door Package # 3 - Comment on 2nd Submission			
DS.2004.326	Facade Door Package # 3 - 3rd Submission	5			13-Sep-16	19-Sep-16	0%		56			Facade Door Package # 3 - 3rd Submission			
DS.2004.336	Facade Door Package # 3 - Approval	11			20-Sep-16	03-Oct-16	0%		56			Facade Door Package # 3 - Approval			
Facade Door Package # 4: Swing Door Mounted in GW with T-Mullion (Total = 29 nos)															
DS.2004.346	Facade Door Package # 4 - 1st Submission	14			15-Aug-16*	31-Aug-16	0%		35			Facade Door Package # 4 - 1st Submission			
DS.2004.356	Facade Door Package # 4 - Comment on 1st Submission	12			01-Sep-16	14-Sep-16	0%		35			Facade Door Package # 4 - Comment on 1st Submission			
DS.2004.366	Facade Door Package # 4 - 2nd Submission	14			15-Sep-16	03-Oct-16	0%		35			Facade Door Package # 4 - 2nd Submission			
Facade Door Package # 5: Large Double Door at B1/F Transformer Room (Total = 1 no manual)															
DS.2004.406	Facade Door Package # 5 - 1st Submission	14			15-Aug-16*	31-Aug-16	0%		53			Facade Door Package # 5 - 1st Submission			
DS.2004.416	Facade Door Package # 5 - Comment on 1st Submission	12			31-Aug-16	14-Sep-16	0%		53			Facade Door Package # 5 - Comment on 1st Submission			
DS.2004.426	Facade Door Package # 5 - 2nd Submission	11			14-Sep-16	28-Sep-16	0%		53			Facade Door Package # 5 - 2nd Submission			
DS.2004.436	Facade Door Package # 5 - Comment on 2nd Submission	10			29-Sep-16	12-Oct-16	0%		53			Facade Door Package # 5 - Comment on 2nd Submission			
Facade Door Package # 6: B1/F Exit Doors (Total = 7 nos manual)															
DS.2004.466	Facade Door Package # 6 - 1st Submission	13			12-Sep-16*	28-Sep-16	0%		29			Facade Door Package # 6 - 1st Submission			
DS.2004.476	Facade Door Package # 6 - Comment on 1st Submission	10			29-Sep-16	12-Oct-16	0%		29			Facade Door Package # 6 - Comment on 1st Submission			
Facade Door Package # 7: Garden Gallery Door (Total = 2 nos manual)															
DS.2004.526	Facade Door Package # 7 - 1st Submission	12			25-Jul-16*	08-Aug-16	0%		73			Facade Door Package # 7 - 1st Submission			
DS.2004.536	Facade Door Package # 7 - Comment on 1st Submission	12			08-Aug-16	22-Aug-16	0%		73			Facade Door Package # 7 - Comment on 1st Submission			
DS.2004.546	Facade Door Package # 7 - 2nd Submission	12			22-Aug-16	05-Sep-16	0%		73			Facade Door Package # 7 - 2nd Submission			
DS.2004.556	Facade Door Package # 7 - Comment on 2nd Submission	11			06-Sep-16	19-Sep-16	0%		73			Facade Door Package # 7 - Comment on 2nd Submission			
DS.2004.566	Facade Door Package # 7 - 3rd Submission	6			20-Sep-16	26-Sep-16	0%		73			Facade Door Package # 7 - 3rd Submission			
DS.2004.576	Facade Door Package # 7 - Approval	10			27-Sep-16	08-Oct-16	0%		73			Facade Door Package # 7 - Approval			
Facade Door Package # 8: Door Located at Metal Claddings (Total = 20 nos manual)															
DS.2004.586	Facade Door Package # 8 - 1st Submission	11			15-Aug-16*	27-Aug-16	0%		61			Facade Door Package # 8 - 1st Submission			
DS.2004.596	Facade Door Package # 8 - Comment on 1st Submission	12			29-Aug-16	10-Sep-16	0%		61			Facade Door Package # 8 - Comment on 1st Submission			
DS.2004.606	Facade Door Package # 8 - 2nd Submission	6			12-Sep-16	19-Sep-16	0%		61			Facade Door Package # 8 - 2nd Submission			
DS.2004.616	Facade Door Package # 8 - Comment on 2nd Submission	11			20-Sep-16	03-Oct-16	0%		61			Facade Door Package # 8 - Comment on 2nd Submission			
Facade Door Package # 9: G/F Access Door in Ceramic Tube (Total = 8 nos)															
DS.2004.646	Facade Door Package # 9 - 1st Submission	12			25-Jul-16*	08-Aug-16	0%		72			Facade Door Package # 9 - 1st Submission			
DS.2004.656	Facade Door Package # 9 - Comment on 1st Submission	12			08-Aug-16	22-Aug-16	0%		72			Facade Door Package # 9 - Comment on 1st Submission			
DS.2004.666	Facade Door Package # 9 - 2nd Submission	12			23-Aug-16	05-Sep-16	0%		72			Facade Door Package # 9 - 2nd Submission			
DS.2004.676	Facade Door Package # 9 - Comment on 2nd Submission	11			06-Sep-16	19-Sep-16	0%		72			Facade Door Package # 9 - Comment on 2nd Submission			
DS.2004.686	Facade Door Package # 9 - 3rd Submission	6			20-Sep-16	26-Sep-16	0%		72			Facade Door Package # 9 - 3rd Submission			
DS.2004.696	Facade Door Package # 9 - Approval	11			27-Sep-16	11-Oct-16	0%		72			Facade Door Package # 9 - Approval			
Facade Door Package # 10: B1/F Carriageway Access Panel / Doors (Total = 24 nos)															
DS.2004.706	Facade Door Package # 10 - 1st Submission	12			15-Aug-16*	29-Aug-16	0%		41			Facade Door Package # 10 - 1st Submission			
DS.2004.716	Facade Door Package # 10 - Comment on 1st Submission	11			29-Aug-16	10-Sep-16	0%		41			Facade Door Package # 10 - Comment on 1st Submission			
DS.2004.726	Facade Door Package # 10 - 2nd Submission	18			12-Sep-16	04-Oct-16	0%		41			Facade Door Package # 10 - 2nd Submission			
Facade Door Package # 11: CSF Bldg (Total = 2 nos)															
DS.2004.766	Facade Door Package # 11 - 1st Submission	12			15-Aug-16*	29-Aug-16	0%		55			Facade Door Package # 11 - 1st Submission			
DS.2004.776	Facade Door Package # 11 - Comment on 1st Submission	12			30-Aug-16	12-Sep-16	0%		55			Facade Door Package # 11 - Comment on 1st Submission			

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14-Jun-16	3 MRP-08 Status at May 2016	Ricky Lau	Chris Chau
13-Jul-16	3 MRP-09 Status at Jun 2016	Ricky Lau	Chris Chau



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Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016					
										Jun	Jul	Aug	Sep	Oct	
DS.2004.786	Facade Door Package # 11 - 2nd Submission	11			13-Sep-16	26-Sep-16	0%		55						
DS.2004.796	Facade Door Package # 11 - Comment on 2nd Submissio	10			27-Sep-16	08-Oct-16	0%		55						
Facade Door Package # 12: B1/F Smoke Vent Panel (Total = 1 no)															
DS.2004.826	Facade Door Package # 12 - 1st Submission	12			15-Aug-16*	29-Aug-16	0%		53						
DS.2004.836	Facade Door Package # 12 - Comment on 1st Submission	11			30-Aug-16	10-Sep-16	0%		53						
DS.2004.846	Facade Door Package # 12 - 2nd Submission	12			12-Sep-16	26-Sep-16	0%		53						
DS.2004.856	Facade Door Package # 12 - Comment on 2nd Submissio	12			27-Sep-16	12-Oct-16	0%		53						
Embed BD Submission															
M+ Podium															
M+ Podium (B1/F) - Embed Submission															
DS.2005.08	2nd embed BD submission Comments	11			16-May-16	07-Jul-16	0%		8						
DS.2005.09	RSC Submitted to BD	3			08-Jul-16	11-Jul-16	0%		8						
DS.2005.10	BD Submission & Approval	60			12-Jul-16	09-Sep-16	0%		10						
DS.2005.12	Preparation of BD Consent Application	5			10-Sep-16	15-Sep-16	0%		7						
DS.2005.14	BD Consent Application	30			16-Sep-16	15-Oct-16	0%		9						
M+ Podium (G/F to 3/F) - Embed Submission															
DS.2005.22	RSC Submitted to BD	3			30-Jun-16	04-Jul-16	0%		50						
DS.2005.24	BD Submission & Approval	60			05-Jul-16	02-Sep-16	0%		59						
DS.2005.26	Preparation of BD Consent Application	6			03-Sep-16	09-Sep-16	0%		47						
DS.2005.28	BD Consent Application	30			10-Sep-16	09-Oct-16	0%		59						
M+ Tower															
M+ Tower (4/F to RF/F) - Embed Submission															
DS.2006.02	1st embed BD submission to Consultants	11			04-Jul-16*	15-Jul-16	0%		86						
DS.2006.04	1st embed BD submission Comments	11			18-Jul-16	29-Jul-16	0%		86						
DS.2006.06	2nd embed BD submission to Consultants	6			30-Jul-16	05-Aug-16	0%		86						
DS.2006.08	RSC Submitted to BD	3			06-Aug-16	10-Aug-16	0%		86						
DS.2006.10	BD Submission & Approval	60			10-Aug-16	09-Oct-16	0%		104						
BD Submission, Consent & Approval															
Tower Precast Unitized Facade															
DS.2016.12	1st BD Submission to Consultant	10			05-Jun-16 A	20-Jul-16	50%		78						
DS.2016.14	Comment on 1st Submission	11			21-Jul-16	02-Aug-16	0%		78						
DS.2016.16	2nd Submission	10			03-Aug-16	13-Aug-16	0%		78						
DS.2016.18	Comment on 2nd Submission	11			15-Aug-16	27-Aug-16	0%		78						
DS.2016.20	3rd Submission	10			27-Aug-16	07-Sep-16	0%		78						
DS.2016.22	Comment on 3rd Submission	12			08-Sep-16	22-Sep-16	0%		78						
DS.2016.24	RSE Submitted to BD	4			23-Sep-16	27-Sep-16	0%		78						
DS.2016.26	BD Submission & Approval	60			28-Sep-16	26-Nov-16	0%		95						
Podium Precast Unitized Facade															
DS.2016.32	1st BD Submission to Consultant	9			11-Aug-16*	20-Aug-16	0%		112						
DS.2016.34	Comment on 1st Submission	12			22-Aug-16	03-Sep-16	0%		112						
DS.2016.36	2nd Submission	9			05-Sep-16	14-Sep-16	0%		112						
DS.2016.38	Comment on 2nd Submission	11			15-Sep-16	28-Sep-16	0%		112						
DS.2016.40	3rd Submission	11			29-Sep-16	13-Oct-16	0%		112						
Glass Wall with T Mullion (Kinked & Straight B1/F & G/F),CW-01a-03d															
DS.2016.52	1st BD Submission to Consultant	10			11-Aug-16	22-Aug-16	0%		149						
DS.2016.54	Comment on 1st Submission	11			23-Aug-16	05-Sep-16	0%		149						
DS.2016.56	2nd Submission	10			05-Sep-16	17-Sep-16	0%		149						
DS.2016.58	Comment on 2nd Submission	12			17-Sep-16	03-Oct-16	0%		149						
Glass Wall with Precast Mullion & Ceramic Mullion,CW-04 to 05d and 07															
DS.2016.72	1st BD Submission to Consultant	10			21-Jul-16*	01-Aug-16	0%		140						
DS.2016.74	Comment on 1st Submission	11			02-Aug-16	15-Aug-16	0%		140						

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										Jun	Jul	Aug	Sep	Oct
DS.2016.76	2nd Submission	11			16-Aug-16	27-Aug-16	0%		140					2nd Submission
DS.2016.78	Comment on 2nd Submission	12			29-Aug-16	10-Sep-16	0%		140					Comment on 2nd Submission
DS.2016.80	3rd Submission	9			12-Sep-16	22-Sep-16	0%		140					3rd Submission
DS.2016.82	Comment on 3rd Submission	11			23-Sep-16	06-Oct-16	0%		140					Comment on 3rd Submission
Podium Ceramic Concrete Tubes & with Perforated Cladding,CE01a,01b,02a														
DS.2016.092	1st BD Submission to Consultant	9			25-Aug-16*	05-Sep-16	0%		131					1st BD Submission to Consultant
DS.2016.094	Comment on 1st Submission	12			05-Sep-16	20-Sep-16	0%		131					Comment on 1st Submission
DS.2016.096	2nd Submission	10			20-Sep-16	03-Oct-16	0%		131					2nd Submission
Garden Gallery Ceramic Cladding & Ceiling,CE-3a,3b,3c														
DS.2016.112	1st BD Submission to Consultant	9			10-Aug-16*	20-Aug-16	0%		221					1st BD Submission to Consultant
DS.2016.114	Comment on 1st Submission	11			20-Aug-16	02-Sep-16	0%		221					Comment on 1st Submission
DS.2016.116	2nd Submission	11			02-Sep-16	15-Sep-16	0%		221					2nd Submission
DS.2016.118	Comment on 2nd Submission	11			15-Sep-16	29-Sep-16	0%		221					Comment on 2nd Submission
DS.2016.120	3rd Submission	10			29-Sep-16	13-Oct-16	0%		221					3rd Submission
L3 Storefront,CW-08a,08b														
DS.2016.132	1st BD Submission to Consultant	10			30-Jul-16*	10-Aug-16	0%		305					1st BD Submission to Consultant
DS.2016.134	Comment on 1st Submission	12			10-Aug-16	24-Aug-16	0%		305					Comment on 1st Submission
DS.2016.136	2nd Submission	10			24-Aug-16	05-Sep-16	0%		305					2nd Submission
DS.2016.138	Comment on 2nd Submission	11			05-Sep-16	19-Sep-16	0%		305					Comment on 2nd Submission
DS.2016.140	3rd Submission	10			19-Sep-16	30-Sep-16	0%		305					3rd Submission
Strip Glazing at Skylight Gallery L3 & Plaza Skylight,CW-10,SK-01,02														
DS.2016.152	1st BD Submission to Consultant	10			13-Aug-16*	24-Aug-16	0%		254					1st BD Submission to Consultant
DS.2016.154	Comment on 1st Submission	12			25-Aug-16	07-Sep-16	0%		254					Comment on 1st Submission
DS.2016.156	2nd Submission	10			07-Sep-16	20-Sep-16	0%		254					2nd Submission
DS.2016.158	Comment on 2nd Submission	11			21-Sep-16	05-Oct-16	0%		254					Comment on 2nd Submission
Material Submission & Approval														
Material Approval														
DS.2020.12	Approval for Terracotta Colour	11			27-Dec-15 A	30-Jul-16	80%		70					Approval for Terracotta Colour, Approval for Terracotta Colour
DS.2020.14	Low-e Glass Samples	208			21-Dec-15 A	30-Jul-16	90%		78					Low-e Glass Samples, Low-e Glass Samples
DS.2020.16	Reflective Glass (Glass Wall With T- Mullion)	208			21-Dec-15 A	30-Jul-16	90%		70					Reflective Glass (Glass Wall With T- Mullion), Reflective Glass (Glass Wall With T- Mullion)
DS.2020.10	Lighting Submission , conduits , trucking , wiring , junctic	11			20-Dec-15 A	30-Jul-16	80%		135					Lighting Submission , conduits , trucking , wiring , junction box, etc., Lighting Submission
Visual Mock Up														
Tower Facade Panel Visual Mock Up														
Terracotta														
DS.2021.20	Production & delivery of Terracotta to Precast Factory	12			05-Apr-16 A	21-Jul-16	90%		29					Production & delivery of Terracotta to Precast Factory, Production & delivery of Terracotta to Precast Factory
DS.2021.22	Production of Precast Panel & Delivery to site	30			22-Jul-16	25-Aug-16	0%		29					Production of Precast Panel & Delivery to site
Installation														
DS.2021.24	Handover of Working Area	0			26-Aug-16		0%		29					Handover of Working Area
DS.2021.26	Installation on Mock Up	2			26-Aug-16	27-Aug-16	0%		29					Installation on Mock Up
DS.2021.28	Glazing and Sealant application	3			29-Aug-16	31-Aug-16	0%		29					Glazing and Sealant application
DS.2021.30	Inspection & Approval of Visual Mock Up	11			01-Sep-16	13-Sep-16	0%		29					Inspection & Approval of Visual Mock Up
Concrete Shell Mock Up														
Podium Facade Panel Visual Mock Up														
Installation														
DS.2021.58	Installation on Mock Up	5			30-Jun-16	06-Jul-16	0%		33					Installation on Mock Up
DS.2021.59	Inspection & Approval of Visual Mock Up	11			03-Aug-16	15-Aug-16	0%		33					Inspection & Approval of Visual Mock Up
Ground Floor Ceramic Cladding , Glass Wall with Ceramic Mullion & Concrete Mullion														
Visual Mock Up Drawing Submission														
DS.2021.77	Drawing Approval	13			30-Jun-16	15-Jul-16	0%		88					Drawing Approval
Ordering & Production of Concrete Shell Mock Up Material														
DS.2021.78	Coated Glass production	60			02-Mar-16	14-Jul-16	90%		97					Coated Glass production, Coated Glass production

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DS.2021.88	Production & delivery of Terracotta to Precast Factory	12			24-Mar-16	07-Jul-16	90%		77		Production & delivery of Terracotta to Precast Factory, Production & delivery of Terracotta to P				
DS.2021.90	Production of Precast Panel & Delivery	18			08-Jul-16	29-Jul-16	0%		77		Production of Precast Panel & Delivery				
Installation															
DS.2021.94	Installation on Frame	8			30-Jul-16	08-Aug-16	0%		77		Installation on Frame				
DS.2021.96	Glazing & Sealant Application	2			09-Aug-16	10-Aug-16	0%		77		Glazing & Sealant Application				
DS.2021.97	Inspection & Approval of Visual Mock Up	10			18-Aug-16	30-Aug-16	0%		77		Inspection & Approval of Visual Mock Up				
Hybrid Mock Up															
Glass Wall with T-Mullion,CW-02a,02b															
Shopdrawing Submission															
DS.2021.116	Approval of Visual Mock Up Drawing	13			27-May-16	15-Jul-16	5%		48		Approval of Visual Mock Up Drawing, Approval of Visual Mock Up Drawing				
Ordering & Production of Hybrid Mock Up Mateial															
DS.2021.118	Production of Steel Frame and Alum Cladding	30			02-Mar-16	06-Jul-16	90%		60		Production of Steel Frame and Alum Cladding, Production of Steel Frame and Alum Cladding				
Installation of Mock Up Sample															
DS.2021.124	Installation of Steel Frame and Flashing	10			15-Jul-16	28-Jul-16	0%		48		Installation of Steel Frame and Flashing				
DS.2021.126	Glazing	2			28-Jul-16	30-Jul-16	0%		48		Glazing				
DS.2021.128	Application of Structural Sealant	2			30-Jul-16	01-Aug-16	0%		48		Application of Structural Sealant				
DS.2021.98	Inspection & Approval of Visual Mock Up	10			04-Aug-16	15-Aug-16	0%		48		Inspection & Approval of Visual Mock Up				
L3 Storefront,CW-08															
Shopdrawing Submission															
DS.2021.146	Approval of Visual Mock Up Drawing	13			11-May-16	15-Jul-16	50%		156		Approval of Visual Mock Up Drawing, Approval of Visual Mock Up Drawing				
Ordering & Production of Hybrid Mock Up Mateial															
DS.2021.152	Production of Steel Frame and Alum Cladding	36			04-Mar-16	18-Jul-16	70%		149		Production of Steel Frame and Alum Cladding, Production of Steel Frame and Alum				
Installation of Mock Up Sample															
DS.2021.158	Installation of Steel Frame and Flashing	6			19-Jul-16	25-Jul-16	0%		149		Installation of Steel Frame and Flashing				
DS.2021.160	Install Glazing	2			25-Jul-16	27-Jul-16	0%		149		Install Glazing				
DS.2021.162	Application of Structural Sealant	2			27-Jul-16	28-Jul-16	0%		149		Application of Structural Sealant				
DS.2021.163	Inspection & Approval of Visual Mock Up	11			30-Jul-16	12-Aug-16	0%		149		Inspection & Approval of Visual Mock Up				
Garden Galley Visual Mock Up,ce-03a,03c															
Visual Mock Up Drawing Submission															
DS.2021.172	Approval on Shop Drawings	10			30-Jun-16*	12-Jul-16	0%		135		Approval on Shop Drawings				
DS.2021.174	Approval of Sample of Terracotta	4			09-Jul-16	13-Jul-16	0%		135		Approval of Sample of Terracotta				
Terracotta															
DS.2021.176	Production of Terracotta	24			18-Jul-16	13-Aug-16	0%		135		Production of Terracotta				
DS.2021.178	Delivery of Terracotta to Precast Factory	1			25-Aug-16	25-Aug-16	0%		135		Delivery of Terracotta to Precast Factory				
Installation															
DS.2021.187	Delivery of ceramic precast mullion to site	2			26-Aug-16	27-Aug-16	0%		135		Delivery of ceramic precast mullion to site				
DS.2021.188	Installation of Terracotta on Mock-up	6			30-Aug-16	05-Sep-16	0%		135		Installation of Terracotta on Moc				
Production Mock Up															
Tower Precast Facade Panels w/ Percast Concrete , Terracotta, lighting & Curtain Wall															
Tower Facade - Ordering & Production of Material															
Tower Facade - Glass Production & Fabrication															
DS.2022.6	Coated Glass Production	48			14-Sep-16*	11-Nov-16	0%		61						
Tower Facade - Curtain Wall glazed panel production and Fabrication															
DS.2022.12	Die Making	50			14-Sep-16*	14-Nov-16	0%		48						
Tower Facade - Terracotta															
DS.2022.22	Ordering of Terracotta	10			19-Aug-16*	01-Sep-16	0%		34		Ordering of Terracotta				
DS.2022.24	Die Making of Terracotta	50			01-Sep-16	01-Nov-16	0%		34						
Tower Facade - Precast Concrete Facade															
Tower Facade - Precast Facade Die Making															
DS.2022.28	Tower Facade Precast Concrete Mould Making	74			12-Sep-16	09-Dec-16	0%		37						
Podium Precast Facade Panel w/ Percast Concrete , Terracotta & Curtain Wall															
Podium Facade - Ordering & Production of Material															
Podium Facade - Glass Production & Fabrication															
DS.2022.42	Sealant Ordering (Typical two weeks time, tailor made n	12			01-Sep-16*	14-Sep-16	0%		139		Sealant Ordering (Typic				

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										Jun	Jul	Aug	Sep	Oct
DS.2022.44	Coated Glass Production	48			01-Sep-16	29-Oct-16	0%		91					
Podium Facade - Curtain Wall glazed panel production and Fabrication														
DS.2022.48	Die Making	48			01-Sep-16	29-Oct-16	0%		86					
DS.2022.46	PVF2 Paint Ordering	12			01-Sep-16	14-Sep-16	0%		134					
Podium Facade - Terracotta														
DS.2022.58	Ordering of Terracotta	11			01-Sep-16	14-Sep-16	0%		19					
DS.2022.60	Die Making of Terracotta	72			14-Sep-16	10-Dec-16	0%		19					
Podium Facade - Precast Concrete Facade														
Podium Facade - Precast Concrete Die Making														
DS.2022.64	Percast Concrete Mould Making	72			01-Sep-16	26-Nov-16	0%		54					
Kinked Glass Wall with T Mullion and reflective Glass at B1,CW-02b														
Kinked Glass Wall with T Mullion - Ordering & Production of Material														
Kinked Glass Wall with T Mullion - Glass Production & Fabrication														
DS.2022.78	Coated Glass Production	48			01-Sep-16*	29-Oct-16	0%		39					
DS.2022.76	Sealant Ordering (Typical two weeks time, tailor made n	12			02-Sep-16*	15-Sep-16	0%		86					
Kinked Glass Wall with T Mullion - Curtain Wall glazed panel production and Fabrication														
DS.2022.82	Die Making	48			02-Sep-16*	31-Oct-16	0%		33					
L3 Storefront,CW-08														
L3 Storefront - Ordering & Production of Material														
Glass Production & Fabrication														
DS.2022.130	Sealant Ordering (Typical two weeks time, tailor made n	12			20-Aug-16	02-Sep-16	0%		259					
DS.2022.132	Coated Glass Production	48			20-Aug-16	18-Oct-16	0%		211					
Glass Wall glazed panel production and Fabrication														
DS.2022.138	Die Making	48			20-Aug-16	18-Oct-16	0%		206					
DS.2022.136	PVF2 Paint Ordering	12			20-Aug-16	02-Sep-16	0%		254					
G/F Facade - Precast Concrete Tubes , Ceramic Rows Rainscreen Cladding, Ceramic Precast Mull														
G/F Facade - Ordering & Production of Material														
DS.2022.152	Sealant Ordering (Typical two weeks time, tailor made n	12			09-Sep-16*	23-Sep-16	0%		98					
G/F Facade - Glass Production & Fabrication														
DS.2022.154	Coated Glass production	48			09-Sep-16	07-Nov-16	0%		83					
G/F Facade - Curtain Wall glazed panel production and Fabrication														
DS.2022.160	Die Making	48			09-Sep-16	07-Nov-16	0%		77					
DS.2022.158	PVF2 Paint Ordering	12			09-Sep-16	23-Sep-16	0%		125					
G/F Facade - Terracotta														
DS.2022.168	Ordering of Terracotta	11			09-Sep-16*	23-Sep-16	0%		71					
Garden Gallery,CE-03a,03c														
Garden Gallery - Ordering & Production of Material														
Garden Gallery - Terracotta														
DS.2022.186	Ordering of Terracotta	11			06-Sep-16	20-Sep-16	0%		135					
DS.2022.188	Die Making of Terracotta	36			20-Sep-16	03-Nov-16	0%		135					
Performance Testing Mock Up														
Tower Precast Facade Panels w/ Precast Concrete , Terracotta, lighting & Curtain Wall														
Tower Facade - Drawing Submission														
DS.2026.2	1st Shop Drawing Submission	11			15-Jul-16*	29-Jul-16	0%		77					
DS.2026.4	1st Shop Drawing Comment	11			29-Jul-16	11-Aug-16	0%		77					
DS.2026.6	2nd Shop Drawing Submission	11			11-Aug-16	24-Aug-16	0%		77					
DS.2026.8	Approval of Performance Mock Up Drawing	11			24-Aug-16	06-Sep-16	0%		77					
Tower Facade - Submission of Testing Proposal														
DS.2026.10	1st Submission of Testing Proposal	11			06-Sep-16	20-Sep-16	0%		368					
DS.2026.12	1st comment	6			21-Sep-16	27-Sep-16	0%		368					
DS.2026.14	2nd Submission of Testing Proposal	6			27-Sep-16	05-Oct-16	0%		368					
Tower Facade - Ordering & Production of Material														
DS.2026.18	Sealant Ordering (Typical two weeks time, tailor made n	12			14-Sep-16	28-Sep-16	0%		130					
Tower Facade - Glass Production & Fabrication														

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DS.2026.26	Coated Glass Production	48			14-Sep-16	11-Nov-16	0%		71					
Tower Facade - Curtain Wall glazed panel production and Fabrication														
DS.2026.22	Die Making	48			14-Sep-16	11-Nov-16	0%		66					
DS.2026.24	PVF2 Paint Ordering	12			14-Sep-16*	28-Sep-16	0%		114					
Tower Facade - Terracotta														
DS.2026.36	Ordering of Terracotta	11			14-Sep-16	28-Sep-16	0%		42					
DS.2026.38	Die Making of Terracotta	24			28-Sep-16	28-Oct-16	0%		42					
Tower Facade - Precast Concrete Facade														
Tower Facade - Precast Facade Die Making														
DS.2026.42	Percast Concrete Mould Making	96			14-Sep-16	10-Jan-17	0%		29					
Podium Facade Wall Performance Testing														
Podium Facade - Drawing Submission														
DS.2026.58	1st PMU Drawing Submission	11			11-Aug-16	24-Aug-16	0%		124					
DS.2026.60	1st PMU Drawing Comment	11			24-Aug-16	06-Sep-16	0%		124					
DS.2026.62	2nd PMU Drawing Submission	11			06-Sep-16	20-Sep-16	0%		124					
DS.2026.64	Approval of Performance Mock Up Drawing	11			20-Sep-16	04-Oct-16	0%		132					
Podium Facade - Ordering & Production of Material														
DS.2026.74	Sealant Ordering (Typical two weeks time, tailor made n	12			16-Aug-16	29-Aug-16	0%		207					
Podium Facade - Glass Production & Fabrication														
DS.2026.76	Coated Glass Production	48			16-Aug-16	13-Oct-16	0%		195					
Podium Facade - Curtain Wall glazed panel production and Fabrication														
DS.2026.80	Die Making	48			16-Aug-16	13-Oct-16	0%		153					
Podium Facade - Terracotta														
DS.2026.90	Ordering of Terracotta	11			20-Sep-16	04-Oct-16	0%		124					
Podium Facade - Precast Concrete Facade														
Podium Facade - Precast Facade Die Making														
DS.2026.108	Percast Concrete Mould Making	96			16-Aug-16	08-Dec-16	0%		117					
Kinked Glass Wall with T Mullion and Reflective Glass at B1,CW-02b														
Kinked Glass Wall - Ordering & Production of Material														
Kinked Glass Wall - Curtain Wall glazed panel production and Fabrication														
DS.2026.146	Die Making	48			16-Aug-16	13-Oct-16	0%		218					
DS.2026.144	PVF2 Paint Ordering	49			16-Aug-16	14-Oct-16	0%		229					
Kinked Glass Wall - T Steel Mullion Production														
DS.2026.154	Order of Paint	24			16-Aug-16	12-Sep-16	0%		279					
DS.2026.156	Painting of Steel Mullion	4			13-Sep-16	17-Sep-16	0%		279					
Kinked Glass Wall - Installation														
DS.2026.160	Installation on Mock Up	11			19-Sep-16	03-Oct-16	0%		279					
Glass Wall with Ceramic Precast Mullions at ground Flr Main Entrance,CW-04														
Glass Wall with PC Mullions - Drawing Submission														
DS.2026.168	1st Shop Drawing Submission	11			03-Aug-16	16-Aug-16	0%		221					
DS.2026.170	1st Shop Drawing Comment	11			16-Aug-16	29-Aug-16	0%		221					
DS.2026.172	2nd Shop Drawing Submission	11			29-Aug-16	10-Sep-16	0%		221					
DS.2026.174	Approval of Performance Mock Up Drawing	11			10-Sep-16	24-Sep-16	0%		221					
Glass Wall with PC Mullions - Glass Production & Fabrication														
DS.2026.176	Coated Glass Production	72			30-Aug-16	25-Nov-16	0%		170					
Glass Wall with PC Mullions - Glazed Panel production and Fabrication														
DS.2026.180	Die Making	36			09-Sep-16	24-Oct-16	0%		168					
Glass Wall with PC Mullions - Precast Concrete Facade														
Glass Wall with PC Mullions - Precast Facade Die Making														
DS.2026.188	Percast Concrete Mould Making	24			09-Sep-16	08-Oct-16	0%		187					
Vertical Glass Wall at Skylight Gallery,CW-10														
Vertical Glass Wall @ Gallery - Drawing Submission														
DS.2026.204	1st Shop Drawing Submission	11			13-Aug-16	25-Aug-16	0%		134					
DS.2026.206	1st Shop Drawing Comment	11			26-Aug-16	08-Sep-16	0%		134					

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3 Months Rolling Programme (3MRP-09)

Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016				
										Jun	Jul	Aug	Sep	Oct
DS.2026.208	2nd Shop Drawing Submission	11			09-Sep-16	23-Sep-16	0%		134					2nd Shop Draw
DS.2026.210	Approval of Performance Mock Up Drawing	11			24-Sep-16	08-Oct-16	0%		134					
Vertical Glass Wall @ Gallery - Alum Frame														
DS.2026.212	Die Making	38			13-Aug-16*	27-Sep-16	0%		167					Die Making
3/F Plaza Skylight & Terrace,SK-01														
DS.2026.224	Glass Production & Fabrication	24			30-Jul-16	26-Aug-16	0%		304					Glass Production & Fabrication
3/F Plaza Skylight - Drawing Submission														
DS.2026.228	1st Shop Drawing Submission	11			30-Jul-16	12-Aug-16	0%		225					1st Shop Drawing Submission
DS.2026.230	1st Shop Drawing Comment	11			12-Aug-16	25-Aug-16	0%		225					1st Shop Drawing Comment
DS.2026.232	2nd Shop Drawing Submission	11			25-Aug-16	07-Sep-16	0%		225					2nd Shop Drawing Submission
DS.2026.234	Approval of Performance Mock Up Drawing	11			07-Sep-16	21-Sep-16	0%		225					Approval of Perfo
3/F Plaza Skylight - Alum Frame														
DS.2026.236	Die Making	36			21-Sep-16	04-Nov-16	0%		225					
(By Permasteelisa) External Facade for CSF Bldg														
CSF Glass Wall (South Ele. 6/F-7/F, North Ele. 6/F-8/F, South Ele. G/F)														
CSF Glass Wall Shopdawning Submission & Approval														
DS.2260.10	1st Shop Drawing Submission	11			18-May-16	28-Jul-16	0%		28					1st Shop Drawing Submission, 1st Shop Drawing Submission
DS.2260.12	1st Shop Drawing Comment	11			29-Jul-16	10-Aug-16	0%		160					1st Shop Drawing Comment
DS.2260.14	2nd Shop Drawing Submission	5			11-Aug-16	16-Aug-16	0%		160					2nd Shop Drawing Submission
DS.2260.16	2nd Shopdawning comments	11			17-Aug-16	30-Aug-16	0%		160					2nd Shopdawning comments
CSF Louvre - FAC-LV-03 (Additional Works)														
DS.2260.18	1st Shop Drawing Submission	11			29-Jul-16	10-Aug-16	0%		28					1st Shop Drawing Submission
DS.2260.20	1st Shop Drawing Comment	11			11-Aug-16	23-Aug-16	0%		148					1st Shop Drawing Comment
DS.2260.21	2nd Shop Drawing Submission	6			24-Aug-16	30-Aug-16	0%		148					2nd Shop Drawing Submission
DS.2260.22	Shop Drawing Approval	11			31-Aug-16	13-Sep-16	0%		148					Shop Drawing Approval
CSF Embed BD Submission & Approval														
DS.2260.24	BD Drawing Preparation & 1st BD Submission to Consult:	11			30-Jun-16*	14-Jul-16	0%		85					BD Drawing Preparation & 1st BD Submission to Consultants
DS.2260.26	BD Drawing submission 1st Comments	11			14-Jul-16	28-Jul-16	0%		85					BD Drawing submission 1st Comments
DS.2260.28	BD Drawing Preparation & 2nd BD Submission to Consul:	11			28-Jul-16	10-Aug-16	0%		85					BD Drawing Preparation & 2nd BD Submission to Consultant
DS.2260.30	RSE Submission to BD	3			10-Aug-16	13-Aug-16	0%		85					RSE Submission to BD
DS.2260.32	BD Submission & Approval	48			13-Aug-16	12-Oct-16	0%		85					
CSF Glass Wall BD Submission & Approval														
DS.2260.38	BD Drawing Preparation & 1st BD Submission to Consult:	11			11-Aug-16	24-Aug-16	0%		28					BD Drawing Preparation & 1st BD Submission
DS.2260.40	BD Drawing submission 1st Comments	11			24-Aug-16	06-Sep-16	0%		28					BD Drawing submission 1st Com
DS.2260.42	BD Drawing Preparation & 2nd BD Submission to Consul:	11			06-Sep-16	20-Sep-16	0%		28					BD Drawing Prepa
DS.2260.44	BD Drawing submission 2nd Comments	11			20-Sep-16	04-Oct-16	0%		28					BD
CSF Glass Wall Performance Testing														
Ordering & Production of Material														
Glass Production & Fabrication														
DS.2260.66	Coated Glass Production	48			13-Sep-16*	11-Nov-16	0%		148					
Curtain Wall glazed panel production and Fabrication														
DS.2260.70	Die Making	48			01-Sep-16*	29-Oct-16	0%		152					
DS.2260.72	PVF2 Paint Ordering	49			01-Sep-16*	31-Oct-16	0%		168					
(Redland) Precast Facade for M+ Podium & CSF Bldg														
(Redland) General Submission														
(Redland) Project Quality Plan														
DS.3210	Submit Project Quality Plan	0			04-Jul-16*		0%		52					Submit Project Quality Plan
DS.3220	PQP - 1st Submission	6			04-Jul-16	09-Jul-16	0%		52					PQP - 1st Submission
DS.3230	PQP - Comment on 1st Submission	12			11-Jul-16	25-Jul-16	0%		52					PQP - Comment on 1st Submission
DS.3240	PQP - 2nd Submission and Approval	12			26-Jul-16	08-Aug-16	0%		52					PQP - 2nd Submission and Approval
DS.3250	PQP - Approval of Project Quality Plan	0				08-Aug-16	0%		52					PQP - Approval of Project Quality Plan

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West Kowloon Cultural District Authority

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14-Jun-16	3 MRP-08 Status at May 2016	Ricky Lau	Chris Chau
13-Jul-16	3 MRP-09 Status at Jun 2016	Ricky Lau	Chris Chau



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										Jun	Jul	Aug	Sep	Oct	
(Redland) Production Method Statement															
DS.3260	Submit Production Method Statement	0			15-Jul-16*		0%		42						
DS.3270	PMS - 1st Submission	6			15-Jul-16	22-Jul-16	0%		42						
DS.3280	PMS - Comment on 1st Submission	12			23-Jul-16	05-Aug-16	0%		42						
DS.3290	PMS - 2nd Submission and Approval	12			06-Aug-16	19-Aug-16	0%		42						
DS.3300	PMS - Approval of Production Method Statement	0				19-Aug-16	0%		42						
(Redland) Drawing Submission and Approval															
DS.3320	1st Submission	6			15-Jul-16	22-Jul-16	0%		42						
DS.3310	Submit Schematic Design Drawings	0			15-Jul-16*		0%		42						
DS.3330	Comment on 1st Submission	12			23-Jul-16	05-Aug-16	0%		42						
DS.3340	2nd Submission and Approval	12			06-Aug-16	19-Aug-16	0%		42						
DS.3350	Approval of Schematic Design Drawings	0				19-Aug-16	0%		42						
(Redland) Visual Mock-Up FAC-PC-04															
DS.3360	Submit VMU Drawings	0			02-Jul-16*		0%		0						
DS.3370	1st Submission	6			02-Jul-16	08-Jul-16	0%		53						
DS.3380	Comment on 1st Submission	12			09-Jul-16	23-Jul-16	0%		53						
DS.3390	2nd Submission and Approval	12			25-Jul-16	06-Aug-16	0%		53						
DS.3400	Approval of VMU Drawings	0				06-Aug-16	0%		53						
(Redland) BD Submission and Approval															
(Redland) BD Submission															
DS.3420	BD Comments and review	36			15-Jul-16	26-Aug-16	0%		36						
DS.3410	BD Submission	0			15-Jul-16*		0%		36						
DS.3430	Approval of BD Submission	0				26-Aug-16	0%		36						
(Redland) Fixing Layout for ARUP's Onward Submission to BD															
DS.3450	BD Comments and review	36			15-Jul-16	26-Aug-16	0%		36						
DS.3440	BD Submission	0			15-Jul-16*		0%		36						
DS.3460	Approval of BD Submission	0				26-Aug-16	0%		36						
(Redland) Shop Drawings															
DS.3470	Submit Shop Drawings	0			27-Aug-16		0%		36						
DS.3480	1st Submission	6			27-Aug-16	02-Sep-16	0%		36						
DS.3490	Comment on 1st Submission	12			03-Sep-16	17-Sep-16	0%		36						
DS.3500	2nd Submission and Approval	12			19-Sep-16	03-Oct-16	0%		36						
Structural Steel Trusses															
DS.1130	Steel Tuss - Procurement, Fabrication & Delivery	188			29-Jan-16 A	30-Sep-16	19%		605						
MS.1000	Factory Pre-Inspection / Major truss delivery subject to :	0			30-Jun-16*		0%		0						
Design, Shop Dwgs, Materials, Method Statement & Welding)															
DS.1030	Steel Tuss - Architect's Comment and Approval	75	01-Dec-15	13-Feb-16	03-Dec-15 A	24-Jul-16	95%	-162	915						
DS.1020	Steel Tuss - Incorporate Comments & Resubmit	30	31-Dec-15	29-Jan-16	09-Nov-15 A	09-Jul-16	95%	-162	930						
Method statement for Construction of Mega Trusses with Temporary Works Design															
DS.1030.23	3rd Submission & Approval (RSS-MJV Review & endorse)	14			30-Jun-16	13-Jul-16	0%		51						
Method Statement for Erection															
DS.1030.30e	3rd Submission & Approval of Method statement for Ere	14			30-Jun-16	13-Jul-16	0%		49						
Shop Drawings															
DS.1030.41	Shop Drawing submission and approval of Steelwork for	117			21-Dec-15 A	24-Jul-16	75%		19						
Welding Procedure															
DS.1030.61	Revision of Site welding procedure	14			31-Mar-16	06-Jul-16	45%		42						
DS.1030.71	3rd Submission & Approval for site welding procedure	14			07-Jul-16	20-Jul-16	0%		42						
Statutory Approval Status e.g. (BD & MTRC Approval)-1															
DS.7060b10	MTRC Review and Endorsement for ARUP to submit to E	30			12-May-16	10-Jul-16	90%		38						
DS.7060b11	BD issue endorsement to ARUP	14			11-Jul-16	24-Jul-16	0%		38						
Materials Procurements															

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DS.1040	Steel Tuss - Procurement, Fabrication & Delivery	150	14-Feb-16	12-Jul-16	01-Oct-15 A	30-Aug-16	70%	-49	35	Steel Tuss - Procurement, Fabrication & Delivery					
Material Sampling and Lab Test															
DS.1040.66	Material Sampling and Lab Test (6th Lot) if required	30			30-Jun-16	29-Jul-16	0%		910	Material Sampling and Lab Test (6th Lot) if required					
DS.1040.65	Material Sampling and Lab Test (5th Lot) if required	30			27-Jun-16 A	27-Jul-16	50%		912	Material Sampling and Lab Test (5th Lot) if required, Material Sampling and					
Fabrication & Delivery To Site															
DS.1050	Steel Tuss - First Batch Arrival on Site (Contract Requir	0	01-Jun-16		30-Jul-16		0%	-59	35	Steel Tuss - First Batch Arrival on Site (Contract Requirement - MSC.02 o					
Temporary Support System for Trusses - Proprietary & Non Proprietary System															
DS.1040.68	Fabrication & Delivery of non-proprietary system	50			11-Jun-16 A	18-Aug-16	20%		7	Fabrication & Delivery of non-proprietary system, Fa					
Hanger Column															
DS.1040.85	Fabrication of Hanger Column Suspended from RC	43			02-Jul-16	13-Aug-16	0%		19	Fabrication of Hanger Column Suspended from RC					
DS.1040.80	Fabrication of Hanger Column Suspended from mega Ti	43			02-Jul-16	13-Aug-16	0%		119	Fabrication of Hanger Column Suspended from mega Tr					
DS.1040.86	Delivery of hanger column	0			04-Sep-16		0%		19	Delivery of hanger column					
Composite Column															
DS.1040.91	Composite Column Fabrication	34			02-Jan-16 A	13-Jul-16	95%		82	Composite Column Fabrication, Composite Column Fabrication					
Steel Truss Support Fabrication															
DS.1050.01	Steel Truss Support @ East Core Wall for Trusses # 1, 2 & 5	21			23-Apr-16 A	30-Jul-16	45%		30	Steel Truss Support @ East Core Wall for Trusses # 1, 2 & 5, Steel Truss					
DS.1055	Steel Truss Support Fabrication for Truss # 1 & 2 (Column	21			09-May-16	30-Jul-16	36%		53	Steel Truss Support Fabrication for Truss # 1 & 2 (Column 68 & Column 7					
DS.1110	Steel Truss Support Fabrication for Truss 5 (*C25)	21			25-Jun-16 A	30-Jul-16	1%		97	Steel Truss Support Fabrication for Truss 5 (*C25), Steel Truss Support Fa					
DS.1056	Steel Truss Support Fabrication for Truss 3 (*C85 & C86)	21			11-Jul-16	31-Jul-16	0%		65	Steel Truss Support Fabrication for Truss 3 (*C85 & C86)					
DS.1090	Steel Truss Support Fabrication for Truss 4 (*C94 & *C96)	21			01-Aug-16	21-Aug-16	0%		86	Steel Truss Support Fabrication for Truss 4 (*C94					
Steel Truss Support Delivery to Site															
DS.1050.10	Steel Truss Support @ East Core Wall for Trusses # 1, 2 & 5	0			01-Aug-16		0%		21	Steel Truss Support @ East Core Wall for Trusses # 1, 2 & 5					
DS.1130.10	Steel Truss Support for Truss # 5 (*C25)	0			19-Aug-16		0%		89	Steel Truss Support for Truss # 5 (*C25)					
DS.1055.10	Steel Truss Support for Truss # 1 & 2 (Column 68 & Colurr	0			01-Sep-16		0%		21	Steel Truss Support for Truss # 1 & 2 (C					
DS.1090.10	Steel Truss Support for Truss # 3 (*C85 & C86)	0			01-Sep-16		0%		65	Steel Truss Support for Truss # 3 (*C85					
DS.1110.10	Steel Truss Support for Truss # 4 (*C94 & *C96)	0			11-Sep-16		0%		66	Steel Truss Support for Truss # 4 (*C94					
Steel Truss Members Fabrication															
DS.1080	Steel Truss Fabrication for Truss # 3	69			23-Apr-16 A	17-Sep-16	1%		853	Steel Truss Fabrication for Truss # 3					
DS.1070	Steel Truss Fabrication for Truss # 2	69			23-Apr-16 A	27-Aug-16	19%		881	Steel Truss Fabrication for Truss # 2, Steel T					
DS.1060.1	Steel Truss Fabrication for Truss # 1	69			23-Apr-16 A	13-Aug-16	27%		884	Steel Truss Fabrication for Truss # 1, Steel Truss Fabrication					
DS.1100	Steel Truss Fabrication for Truss # 4	69			09-May-16	24-Sep-16	1%		853	Steel Truss Fabrication for Truss # 4					
DS.1120	Steel Truss Fabrication for Truss # 5	69			23-Apr-16 A	17-Sep-16	1%		859	Steel Truss Fabrication for Truss # 5					
Steel Truss Members Delivery to Site															
DS.1070.10	Steel Truss Members for Truss # 1	0			12-Sep-16		0%		866	Steel Truss Members for Truss # 1					
DS.1100.10	Steel Truss Members for Truss # 3	0			17-Sep-16		0%		861	Steel Truss Members for Truss # 3					
DS.1140.10	Steel Truss Members for Truss # 5	0			19-Sep-16		0%		859	Steel Truss Members for Truss # 5					
DS.1080.10	Steel Truss Members for Truss # 2	0			21-Sep-16		0%		857	Steel Truss Members for Truss # 2					
DS.1120.10	Steel Truss Members for Truss # 4	0			25-Sep-16		0%		853	Steel Truss Members for Truss # 4					
Building Services															
MVAC															
DS.3070	MVAC - Shop Drawings, Materials & Method Statements	120	01-Dec-15	29-Mar-16	01-Dec-15 A	31-Aug-16	31%	-155	21	MVAC - Shop Drawings, Materials & M					
DS.3080	MVAC - CA Review & Comments	30	30-Mar-16	28-Apr-16	01-Apr-16 A	31-Jul-16	80%	-94	24	MVAC - CA Review & Comments, MVAC - CA Review & Comments					
DS.3090	MVAC - Incorporate Comments & Resubmit	30	29-Apr-16	28-May-16	15-Apr-16 A	14-Aug-16	70%	-78	24	MVAC - Incorporate Comments & Resubmit, MVAC - Inc					
DS.3100	MVAC - CA Review & Approval	30	29-May-16	27-Jun-16	02-May-16	28-Aug-16	60%	-62	24	MVAC - CA Review & Approval, MVAC - CA					
DS.3110	MVAC - Procurement and Delivery	180	28-Jun-16	24-Dec-16	01-Sep-16	27-Feb-17	0%	-65	21	MVAC - Procurement and Delivery					
Electrical and ELV Systems															
DS.4120	Elect & ELV Systems - Shop Drawings and Materials Subn	120	01-Dec-15	29-Mar-16	01-Dec-15 A	31-Aug-16	39%	-155	51	Elect & ELV Systems - Shop Drawings a					
DS.4130	Elect & ELV Systems - CA Review & Comments	30	30-Mar-16	28-Apr-16	01-Apr-16 A	31-Jul-16	80%	-94	54	Elect & ELV Systems - CA Review & Comments, Elect & ELV Systems - C					
DS.4150	Elect & ELV Systems - CA Review & Approval	30	29-May-16	27-Jun-16	16-May-16	28-Aug-16	60%	-62	54	Elect & ELV Systems - CA Review & Appro					
DS.4140	Elect & ELV Systems - Incorporate Comments & Resubm	30	29-Apr-16	28-May-16	15-Apr-16 A	14-Aug-16	70%	-78	54	Elect & ELV Systems - Incorporate Comments & Resubm					
DS.4160	Elect & ELV Systems - Procurement and Delivery	150	28-Jun-16	24-Nov-16	01-Sep-16	28-Jan-17	0%	-65	51	Elect & ELV Systems - Procurement and Delivery					

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										Jun	Jul	Aug	Sep	Oct	
Fire Services															
DS.4010	FS - Shop Drawings and Materials Submission and Appro	120	01-Dec-15	29-Mar-16	01-Dec-15 A	31-Jul-16	44%	-124	32						
DS.4020	FS - CA Review & Comments	30	30-Mar-16	28-Apr-16	15-Apr-16 A	01-Jul-16	80%	-64	34						
DS.4040	FS - CA Review & Approval	30	29-May-16	27-Jun-16	16-May-16	29-Jul-16	60%	-32	34						
DS.4030	FS - Incorporate Comments & Resubmit	30	29-Apr-16	28-May-16	22-Apr-16 A	15-Jul-16	70%	-48	34						
DS.4050	FS - Procurement and Delivery	200	28-Jun-16	13-Jan-17	01-Aug-16	16-Feb-17	0%	-34	32						
Plumbing and Drainage															
DS.3010	Plumbing & Drainage - Shop Drawings, Materials & Meth	90	31-Dec-15	29-Mar-16	30-Dec-15 A	31-Aug-16	48%	-155	51						
DS.3020	Plumbing & Drainage - CA Review & Comments	30	30-Mar-16	28-Apr-16	01-Apr-16 A	11-Jul-16	80%	-74	60						
DS.3030	Plumbing & Drainage - Incorporate Comments & Resubn	30	29-Apr-16	28-May-16	14-Apr-16 A	28-Jul-16	70%	-61	57						
DS.3040	Plumbing & Drainage - CA Review & Approval	30	29-May-16	27-Jun-16	02-May-16	25-Aug-16	60%	-59	57						
DS.3050	Plumbing & Drainage - Procurement and Delivery	150	28-Jun-16	24-Nov-16	01-Sep-16	28-Jan-17	0%	-65	51						
Mechanical and Lifting Platform															
DS.5210	Lifting Platform - Shop Drawings, Materials & Method St	90	01-Dec-15	28-Feb-16	01-Dec-15 A	16-Jul-16	33%	-139	106						
DS.5220	Lifting Platform - CA Review & Comments	30	29-Feb-16	29-Mar-16	17-Jul-16	15-Aug-16	0%	-139	106						
DS.5230	Lifting Platform - Incorporate Comments & Resubmit	30	30-Mar-16	28-Apr-16	16-Aug-16	14-Sep-16	0%	-139	106						
DS.5240	Lifting Platform - CA Review & Approval	30	29-Apr-16	28-May-16	15-Sep-16	14-Oct-16	0%	-139	106						
Lifts and Escalator															
DS.5110	Lift & Escalator - Shop Drawings, Materials & Method St	90	01-Dec-15	28-Feb-16	01-Dec-15 A	31-Aug-16	34%	-185	100						
DS.5120	Lift & Escalator - CA Review & Comments	30	29-Feb-16	29-Mar-16	15-Apr-16 A	31-Jul-16	60%	-124	103						
DS.5130	Lift & Escalator - Incorporate Comments & Resubmit	30	30-Mar-16	28-Apr-16	30-Apr-16 A	14-Aug-16	50%	-108	103						
DS.5140	Lift & Escalator- CA Review & Approval	30	29-Apr-16	28-May-16	16-May-16	28-Aug-16	40%	-92	103						
DS.5150	Lift & Escalator - Procurement and Delivery	300	29-May-16	24-Mar-17	01-Sep-16	27-Jun-17	0%	-95	100						
Art Lift (LT-11 & LT-13)															
DS.5020	Art Lift - Shop Drawings, Materials & Method Statement	90	01-Dec-15	28-Feb-16	01-Dec-15 A	31-Aug-16	50%	-185	123						
DS.5025	Art Lift - CA Review & Comments	30	29-Feb-16	29-Mar-16	15-Apr-16 A	29-Jul-16	50%	-122	123						
DS.5030	Art Lift - Incorporate Comments & Resubmit	30	30-Mar-16	28-Apr-16	30-Jul-16	28-Aug-16	0%	-122	123						
DS.5040	Art Lift - CA Review & Approval	30	29-Apr-16	28-May-16	29-Aug-16	27-Sep-16	0%	-122	123						
DS.5050	Art Lift - Procurement and Delivery	300	29-May-16	24-Mar-17	28-Sep-16	24-Jul-17	0%	-122	123						
ABWF and Fitout															
Ceramic Tile															
DS.6010	Ceramic Tile - Shop Drawings, Materials Sample Submiss	90	30-Nov-15	27-Feb-16	30-Nov-15 A	30-Jul-16	90%	-154	190						
DS.6020	Ceramic Tile - CA Review & Comments	30	28-Feb-16	28-Mar-16	31-Jul-16	29-Aug-16	0%	-154	190						
DS.6030	Ceramic Tile - Incorporate Comments & Resubmit	30	29-Mar-16	27-Apr-16	30-Aug-16	28-Sep-16	0%	-154	190						
DS.6040	Ceramic Tile - CA Review & Approval	30	28-Apr-16	27-May-16	29-Sep-16	28-Oct-16	0%	-154	190						
Soft and Hard Landscaping															
DS.7010	Landscaping - Shop Drawings, Materials & Method State	90	18-Apr-16	16-Jul-16	30-Jun-16	27-Sep-16	0%	-73	218						
DS.7000	Landscaping - Award Specialist Subcontractor	0	18-Apr-16		30-Jun-16		0%	-73	218						
DS.7020	Landscaping - CA Review & Comments	30	17-Jul-16	15-Aug-16	28-Sep-16	27-Oct-16	0%	-73	218						
Design Detailing / Buildability Co-ordination															
Spatial Coordination for BIM / CSD / CBWD															
Basement															
B00.0010	Preparation and submission for BIM / CSD / CBWD at B1	60	01-Oct-15	29-Nov-15	01-Oct-15 A	15-Jul-16	75%	-229	18						
B00.0030	Approval for BIM / CSD / CBWD at B1/F (Team B)	30	30-Nov-15	29-Dec-15	30-Nov-15 A	30-Jul-16	20%	-214	79						
M+ Podium															
B00.0040	Preparation and submission for BIM / CSD / CBWD at G/	60	30-Nov-15	28-Jan-16	30-Nov-15 A	10-Jul-16	50%	-164	17						
B00.0080	Preparation and submission for BIM / CSD / CBWD at 1M	60	29-Jan-16	28-Mar-16	30-Jun-16	28-Aug-16	0%	-153	17						
B00.0120	Preparation and submission for BIM / CSD / CBWD at 3/	60	29-Mar-16	27-May-16	30-Jun-16	28-Aug-16	0%	-93	17						
B00.0060	Review, resubmission and approval for BIM / CSD / CBW	30	29-Jan-16	27-Feb-16	11-Jul-16	09-Aug-16	0%	-164	76						
B00.0050	Preparation and submission for BIM / CSD / CBWD at 1/	60	30-Nov-15	28-Jan-16	16-Jul-16	13-Sep-16	0%	-229	18						

- ◆ Baseline Milestone
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West Kowloon Cultural District Authority

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08-Apr-16	3 MRP-06 Status at Mar 2016	Ricky Lau	Chris Chau
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13-Jul-16	3 MRP-09 Status at Jun 2016	Ricky Lau	Chris Chau



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Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016				
										Jun	Jul	Aug	Sep	Oct
B00.0100	Review, resubmission and approval for BIM / CSD / CBW	30	29-Mar-16	27-Apr-16	29-Aug-16	27-Sep-16	0%	-153	71					Review, resubmission and approval for BIM / CSD / CBW
B00.0130	Review, resubmission and approval for BIM / CSD / CBW	30	28-May-16	26-Jun-16	29-Aug-16	27-Sep-16	0%	-93	116					Review, resubmission and approval for BIM / CSD / CBW
B00.0070	Review, resubmission and approval for BIM / CSD / CBW	30	29-Jan-16	27-Feb-16	14-Sep-16	13-Oct-16	0%	-229	34					
B00.0090	Preparation and submission for BIM / CSD / CBWD at 2/	60	29-Jan-16	28-Mar-16	14-Sep-16	12-Nov-16	0%	-229	18					
M+ Tower														
B6B.0030	Preparation and submission for BIM / CSD / CBWD at 5/	45	28-May-16	11-Jul-16	29-Aug-16	12-Oct-16	0%	-93	17					
B6B.0000	Preparation and submission for BIM / CSD / CBWD at 4/	45	29-Mar-16	12-May-16	14-Sep-16	28-Oct-16	0%	-169	19					
CSF Block														
B20.0280	Preparation and submission for BIM / CSD / CBWD at G/	45	13-Feb-16	28-Mar-16	30-Jun-16*	13-Aug-16	0%	-138	34					Preparation and submission for BIM / CSD / CBWD at G/
B20.0290	Review, resubmission and approval for BIM / CSD / CBW	20	29-Mar-16	17-Apr-16	14-Aug-16	02-Sep-16	0%	-138	215					Review, resubmission and approval for BIM / CSD / CBW
B20.0300	Preparation and submission for BIM / CSD / CBWD at 1-!	60	29-Mar-16	27-May-16	14-Aug-16	12-Oct-16	0%	-138	34					
Interfacing Car Park and Sewage Pumping Station (SPS)														
D02.0010	Review, resubmission and approval for BIM / CSD / CBW	15	15-Nov-15	29-Nov-15	16-Jun-16 A	14-Jul-16	0%	-228	43					Review, resubmission and approval for BIM / CSD / CBW at ICP B1/F (Team C), Review, resubmission and approval for BIM / CSD / CBW at SPS (Team C), Review, resubmission and approval for BIM / CSD / CBW at ICP B1/F (Team C), Review, resubmission and approval for BIM / CSD / CBW at SPS (Team C)
D01.0010	Review, resubmission and approval for BIM / CSD / CBW	15	13-Feb-16	27-Feb-16	16-Jun-16 A	14-Jul-16	0%	-138	-84					
D02.0020	Preparation and submission for BIM / CSD / CBWD at ICI	45	15-Nov-15	29-Dec-15	30-Jun-16	13-Aug-16	0%	-228	-17					Preparation and submission for BIM / CSD / CBWD at ICP B1/F (Team C), Review, resubmission and approval for BIM / CSD / CBW at SPS (Team C)
D02.0030	Review, resubmission and approval for BIM / CSD / CBW	30	30-Dec-15	28-Jan-16	14-Aug-16	12-Sep-16	0%	-228	-17					Review, resubmission and approval for BIM / CSD / CBW at ICP B1/F (Team C), Review, resubmission and approval for BIM / CSD / CBW at SPS (Team C)
4D Time Management (1st Draft)														
B00.0160	Facade works	75	14-Jan-16	28-Mar-16	30-Jun-16	12-Sep-16	0%	-168	399					Facade works
B20.0420	ICP and SPS	75	14-Jan-16	28-Mar-16	30-Jun-16	12-Sep-16	0%	-168	170					ICP and SPS
Visual Mock-Up (VMU)														
VMU Preliminary														
A00.3610	VMU Works Period (Contract requirement of 200 calend	333	01-Oct-15	17-Apr-16	01-Oct-15 A	30-Aug-16	0%	-135	22					VMU Works Period (Contract requirement of 200 calendar days including obtain OP)
VMU Document / Drawing Submission														
A00.3040	Submit & Approve of ABWF Shop Drawing & Sample	65	01-Oct-15	04-Dec-15	22-Jan-16 A	31-Jul-16	85%	-240	53					Submit & Approve of ABWF Shop Drawing & Sample, Submit & Approve of CSD/CBWD, Submit & Approve of CSD/CBWD
A00.3050	Submit & Approve of CSD/CBWD	46	05-Oct-15	19-Nov-15	25-Nov-15 A	31-Jul-16	85%	-255	28					
VMU Procurements / Materials Delivery to Site														
A00.3620	Facade - Ordering & Production for Concrete Shell Mock	84	24-Nov-15	15-Feb-16	29-Feb-16 A	30-Jul-16	70%	-166	28					Facade - Ordering & Production for Concrete Shell Mock-Up, Facade - Ordering & Production for Hybrid Mock-Up, Facade - Ordering & Production for Hybrid Mock-Up
A00.3630	Building Services Works - Materials Ordering / Fabricatio	90	27-Oct-15	24-Jan-16	01-Feb-16 A	30-Jul-16	70%	-188	28					
A00.3625	Facade - Ordering & Production for Hybrid Mock-Up	114	25-Oct-15	15-Feb-16	24-Mar-16	30-Jul-16	80%	-166	28					
VMU Construction														
Step 2.0 - Existing Concrete Shell														
VMU Building Service Works														
A00.3202	Building Services (MVAC) - (1st & 2nd Fix) Ceiling Bracket	12	20-Nov-15	03-Dec-15	16-May-16	15-Jul-16	80%	-178	22					Building Services (MVAC) - (1st & 2nd Fix) Ceiling Bracket / Ductworks, Building Services (FS) - Install Cable Containment / Wiring for ELV at Floor, Building Services (FS) - (Final Fix) Fire Alarm, PA Speaker, Smoke Detector, Sprinkler head
A00.3208	Building Services (FS) - Install Cable Containment / Wirin	6	15-Jan-16	21-Jan-16	30-Apr-16 A	15-Jul-16	90%	-140	36					
A00.3230	Building Services (FS) - (Final Fix) Fire Alarm, PA Speaker, !	6	29-Feb-16	05-Mar-16	01-Apr-16 A	15-Jul-16	90%	-105	36					
A00.3210	Building Services (MVAC) - Final Fix Ceiling dumper, Air C	4	19-Feb-16	23-Feb-16	11-Jul-16	14-Jul-16	0%	-114	743					Building Services (MVAC) - Final Fix Ceiling dumper, Air Grilles
A00.3220	Building Services (Elect & ELV) - (Final Fix) CCTV Camera,	6	24-Feb-16	01-Mar-16	15-Jul-16	22-Jul-16	0%	-114	743					Building Services (Elect & ELV) - (Final Fix) CCTV Camera, Emergency lightings, Sn
VMU ABWF & Finishes														
VMU Gallery & B1 Plaza Space														
VMU Floor														
A00.3120	Install Raised Flooring	8	15-Jan-16	23-Jan-16	17-May-16	15-Jul-16	90%	-138	43					Install Raised Flooring, Install Raised Flooring
A00.3130	Install Timber Flanks Flooring	6	07-Mar-16	12-Mar-16	20-Jun-16 A	15-Jul-16	10%	-99	36					Install Timber Flanks Flooring, Install Timber Flanks Flooring
VMU Wall														
A00.3140	Install Gypsum Wall & Door Frames	15	22-Jan-16	11-Feb-16	17-May-16	15-Jul-16	75%	-125	43					Install Gypsum Wall & Door Frames, Install Gypsum Wall & Door Frames
A00.3150	Wall Painting	6	12-Feb-16	18-Feb-16	23-May-16	07-Jul-16	90%	-112	43					Wall Painting, Wall Painting
A00.3160	Install Door Panels	4	14-Mar-16	17-Mar-16	27-Jun-16 A	15-Jul-16	10%	-95	36					Install Door Panels, Install Door Panels
A00.3145	Installation of Mullion cap on facade glass panel	12	22-Jan-16	05-Feb-16	23-May-16	15-Jul-16	90%	-127	36					Installation of Mullion cap on facade glass panel, Installation of Mullion cap on facade
VMU Lobby Space														
VMU Wall														
A00.3200	Install Glass Balustrade with Rubber handrail	10	05-Feb-16	19-Feb-16	15-Jun-16 A	30-Jun-16	0%	-106	41					Install Glass Balustrade with Rubber handrail, Install Glass Balustrade with Rubber handrail

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										Jun	Jul	Aug	Sep	Oct	
A00.3650	Install Metal Mesh Balustrade	10	20-Feb-16	02-Mar-16	15-Jun-16 A	30-Jun-16	0%	-96	41		Install Metal Mesh Balustrade	Install Metal Mesh Balustrade			
A00.3190	Install Ceramic Cladding & Rain Screen	7	28-Jan-16	04-Feb-16	02-Jul-16	09-Jul-16	0%	-123	41		Install Ceramic Cladding & Rain Screen				
VMU Floor															
A00.3670	Precast Concrete Paver Installation	12	29-Dec-15	12-Jan-16	11-May-16	08-Jul-16	80%	-142	22		Precast Concrete Paver Installation, Precast Concrete Paver Installation				
VMU Facade Works															
A00.3690	Erection of Scaffolds for Shell Mock-Up	4	16-Feb-16	19-Feb-16	30-Jun-16	05-Jul-16	0%	-109	22		Erection of Scaffolds for Shell Mock-Up				
A00.3700	Install Facade Mock-Up Panels	7	20-Feb-16	27-Feb-16	06-Jul-16	13-Jul-16	0%	-109	22		Install Facade Mock-Up Panels				
A00.3815	Install Glazing & Sealant Application	2	29-Feb-16	01-Mar-16	14-Jul-16	15-Jul-16	0%	-109	22		Install Glazing & Sealant Application				
A00.3825	Install Glazing & Sealant Application	14	02-Mar-16	17-Mar-16	18-Jul-16	02-Aug-16	0%	-109	22		Install Glazing & Sealant Application				
VMU Step 2.1 - Hybrid Shell Mock-Up															
VMU ABWF & Finishes															
A00.3310	Hybrid Mock Up - Floor Screeding & Cure	4	13-Jan-16	16-Jan-16	23-May-16	05-Jul-16	90%	-135	24		Hybrid Mock Up - Floor Screeding & Cure, Hybrid Mock Up - Floor Screeding & Cure				
A00.3320	Hybrid Mock Up - Install wooden slat & tower open mes	6	29-Jan-16	04-Feb-16	04-May-16	07-Jul-16	30%	-121	24		Hybrid Mock Up - Install wooden slat & tower open mesh ceiling, Hybrid Mock Up - Install wood				
A00.3330	Hybrid Mock Up - Install MML Inclines Concrete Ceiling f	3	02-Feb-16	04-Feb-16	30-Jun-16	04-Jul-16	0%	-118	24		Hybrid Mock Up - Install MML Inclines Concrete Ceiling for Lightings Acoustic Mesh				
A00.3280	Hybrid Mock Up - Install PC Paver at External Floor	12	19-Dec-15	06-Jan-16	30-Jun-16	14-Jul-16	0%	-152	21		Hybrid Mock Up - Install PC Paver at External Floor				
A00.3340	Hybrid Mock Up - Timber Floor Installation	6	16-Feb-16	22-Feb-16	15-Jul-16	22-Jul-16	0%	-121	21		Hybrid Mock Up - Timber Floor Installation				
A00.3350	Hybrid Mock Up - Install Panel Doors (2-nos)	5	22-Feb-16	26-Feb-16	22-Jul-16	27-Jul-16	0%	-121	21		Hybrid Mock Up - Install Panel Doors (2-nos)				
VMU MEP Building Service Works															
A00.3390	Hybrid Mock Up - Building Services (FS) - Hose Reel Pane	6	05-Feb-16	15-Feb-16	06-Jul-16	12-Jul-16	0%	-119	39		Hybrid Mock Up - Building Services (FS) - Hose Reel Panel Installation				
A00.3400	Hybrid Mock Up - Building Services (FS) - (Final Fix) Sprinkl	6	05-Feb-16	15-Feb-16	16-Jun-16 A	12-Jul-16	50%	-119	39		Hybrid Mock Up - Building Services (FS) - (Final Fix) Sprinkler Head & Exit Sign, Hybrid Mock				
A00.3370	Hybrid Mock Up - Building Services (FS) - (1st & 2nd Fix) I	10	18-Jan-16	28-Jan-16	01-Apr-16 A	14-Jul-16	90%	-133	39		Hybrid Mock Up - Building Services (FS) - (1st & 2nd Fix) Main & Secondary FS Pipeworks				
A00.3380	Hybrid Mock Up - Building Services (Elect) - (Final Fix) Srr	6	05-Feb-16	15-Feb-16	15-Apr-16 A	12-Jul-16	90%	-119	39		Hybrid Mock Up - Building Services (Elect) - (Final Fix) Small Powers & Lightings, Hybrid Mo				
VMU External Facade															
A00.3785	Hybrid Mock Up - Install External Facade for Hybrid Moc	14	23-Jan-16	11-Feb-16	20-Jun-16 A	15-Jul-16	10%	-125	20		Hybrid Mock Up - Install External Facade for Hybrid Mock-Up, Hybrid Mock Up - Install				
A00.3795	Hybrid Mock Up - Install Glazing & Sealant Application	2	12-Feb-16	13-Feb-16	18-Jul-16	19-Jul-16	0%	-125	20		Hybrid Mock Up - Install Glazing & Sealant Application				
A00.3805	Hybrid Mock Up - Inspection and Approval of Visual Moc	14	15-Feb-16	01-Mar-16	20-Jul-16	04-Aug-16	0%	-125	20		Hybrid Mock Up - Inspection and Approval of Visual Mock-up				
VMU External Works															
VMU MEP - FS Pipeworks															
A00.3835	Hybrid Mock Up - Excavation Works From Existing Dog H	3	22-Jan-16	25-Jan-16	20-Jun-16 A	04-Jul-16	10%	-127	18		Hybrid Mock Up - Excavation Works From Existing Dog House to Hybrid Mock-Up, Hybrid Mock Up				
A00.3845	Hybrid Mock Up - Install FS Water Pipeworks & PVC duct	6	25-Jan-16	30-Jan-16	04-Jul-16	09-Jul-16	0%	-127	18		Hybrid Mock Up - Install FS Water Pipeworks & PVC ducts				
A00.3855	Hybrid Mock Up - Lay Cabling / Wiring and Termination	4	01-Feb-16	04-Feb-16	11-Jul-16	14-Jul-16	0%	-127	18		Hybrid Mock Up - Lay Cabling / Wiring and Termination				
VMU MEP - Electrical Works															
A00.3865	Hybrid Mock Up - Install Pipe ducts From Hybrid Mock-U	6	06-Jan-16	12-Jan-16	30-Jun-16	07-Jul-16	0%	-141	27		Hybrid Mock Up - Install Pipe ducts From Hybrid Mock-Up to Existing Pit				
A00.3875	Hybrid Mock Up - Lay Cabling & Termination From Hybri	10	13-Jan-16	23-Jan-16	08-Jul-16	20-Jul-16	0%	-141	27		Hybrid Mock Up - Lay Cabling & Termination From Hybrid Mock-Up to Exist MCB				
VMU Step 2.2 - Concrete Stair															
VMU ABWF & Finishes															
A00.3430	Concrete Stair - Timber Tread & Risers Installation	10	02-Dec-15	12-Dec-15	30-Jun-16	12-Jul-16	0%	-167	33		Concrete Stair - Timber Tread & Risers Installation				
VMU MEP Building Service Works															
A00.3480	Concrete Stair - Electrical Works for LED Lighting on Han	8	18-Dec-15	30-Dec-15	02-May-16	12-Jul-16	10%	-155	33		Concrete Stair - Electrical Works for LED Lighting on Handrail & Stair, Concrete Stair - Elect				
VMU MEP Testing and Commissioning															
A00.3485	VMU - Building Services Testing and Commissioning	6	07-Mar-16	17-Mar-16	01-Aug-16	06-Aug-16	0%	-113	18		VMU - Building Services Testing and Commissioning				
VMU Statutory Submission & Inspection															
VMU WSD (FS Pipeworks)															
A00.3880	VMU - Submit Form WW046 (Part 1 & 2) to WSD (Subjec	90	04-Nov-15	01-Feb-16	12-Jan-16 A	09-Jul-16	86%	-159	21		VMU - Submit Form WW046 (Part 1 & 2) to WSD (Subject to MJV 1st Subn), VMU - Submit For				
A00.3890	VMU - Submit Form WW046 (Part 3) to WSD (by MJV)	6	02-Feb-16	13-Feb-16	10-Jul-16	15-Jul-16	0%	-153	21		VMU - Submit Form WW046 (Part 3) to WSD (by MJV)				
A00.3900	VMU - Submit Form WW046 (Part 4) to WSD	6	14-Feb-16	25-Feb-16	16-Jul-16	21-Jul-16	0%	-147	21		VMU - Submit Form WW046 (Part 4) to WSD				
A00.3910	VMU - Inspection and Approval by WSD	1	03-Mar-16	03-Mar-16	28-Jul-16	28-Jul-16	0%	-147	21		VMU - Inspection and Approval by WSD				
A00.3920	VMU - Tie-In Connection to Existing Dog House	2	04-Mar-16	05-Mar-16	29-Jul-16	30-Jul-16	0%	-117	18		VMU - Tie-In Connection to Existing Dog House				
VMU EMSD (Electrical)															
A00.3930	VMU - Prepare & Submit Form WR1 to EMSD (For recor	6	18-Mar-16	24-Mar-16	08-Aug-16	13-Aug-16	0%	-113	23		VMU - Prepare & Submit Form WR1 to EMSD (For record				
VMU FSD (Fire Service)															

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—	Primary Baseline
◆	Milestone
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A00.3490	VMU - Form 314 & 501 Submission	0	18-Mar-16		07-Aug-16		0%	-142	22			◆ VMU - Form 314 & 501 Submission, VMU - Form 314 & 501 Sub			
A00.3500	VMU - FSD's Inspection & Fire Certificate Issuance	12	18-Mar-16	01-Apr-16	07-Aug-16	18-Aug-16	0%	-139	22			VMU - FSD's Inspection & Fire Certificate Issuance			
VMU BD (OP)															
A00.3510	VMU - Submission of BA14	0	02-Apr-16		19-Aug-16		0%	-139	22			◆ VMU - Submission of BA14, VMU - Submission of B			
A00.3520	VMU - BD Inspection	12	02-Apr-16	17-Apr-16	19-Aug-16	30-Aug-16	0%	-135	22			VMU - BD Inspection			
A00.3530	VMU - M+ OP	0		17-Apr-16		30-Aug-16	0%	-135	22			◆ VMU - M+ OP, VMU - M+ OP			
Preliminaries / Construction															
Plant & Equipment															
Provision for Tower Crane															
Tower Crane 2															
A00.2005	Tower Crane 2 - Excavation & Construction of Concrete	18			04-Jul-16*	30-Jul-16	0%		0			Tower Crane 2 - Excavation & Construction of Concrete Base			
A00.2015	Tower Crane 2 - Erection of Equipment	14			01-Aug-16	20-Aug-16	0%		14			Tower Crane 2 - Erection of Equipment			
A00.2025	Tower Crane 2 - Testing & Commissioning	2			22-Aug-16	23-Aug-16	0%		14			Tower Crane 2 - Testing & Commissioning			
A00.2035	Tower Crane 2 - Commence Operation	0				23-Aug-16	0%		14			◆ Tower Crane 2 - Commence Operation			
Tower Crane 3															
A00.2105	Tower Crane 3 - Pile Caps 117	10			27-Jun-16 A	09-Jul-16	40%		31			Tower Crane 3 - Pile Caps 117, Tower Crane 3 - Pile Caps 117			
A00.2115	Tower Crane 3 - Concrete Tie Beam	5			11-Jul-16	18-Jul-16	0%		31			Tower Crane 3 - Concrete Tie Beam			
A00.2125	Tower Crane 3 - Erection of Equipment	7			19-Jul-16	28-Jul-16	0%		31			Tower Crane 3 - Erection of Equipment			
A00.2135	Tower Crane 3 - Testing & Commissioning	3			29-Jul-16	01-Aug-16	0%		31			Tower Crane 3 - Testing & Commissioning			
A00.2145	Tower Crane 3 - Commence operation	0				01-Aug-16	0%		31			◆ Tower Crane 3 - Commence operation			
Excavation & ELS															
AEL North															
Portion A8, B6, A12, B7															
Portion A8															
B10.3570	AEL North - ELS Stage 4 Site Formation (Portion A8)	26	19-Mar-16	22-Apr-16	29-Mar-16	30-Jul-16	50%	-64	35			AEL North - ELS Stage 4 Site Formation (Portion A8), AEL North - ELS Sta			
Portion A12															
B10.3910	AEL North - ELS Stage 4 Site Formation (Portion A12) - 1:	7			15-Aug-16*	23-Aug-16	0%		0			AEL North - ELS Stage 4 Site Formation (Portion			
B10.3920	AEL North - ELS Stage 4 Site Formation (Portion A12) - 2i	5			20-Aug-16	26-Aug-16	0%		1			AEL North - ELS Stage 4 Site Formation (Por			
B10.3930	AEL North - ELS Stage 4 Site Formation (Portion A12) - Tr	6			28-Aug-16	02-Sep-16	0%		2			AEL North - ELS Stage 4 Site Formati			
Portion A6, A7, A10, A11															
B10.2110	AEL North - ELS Stage 5 Site Formation (Portion A10a, A	30	20-Jun-16	05-Aug-16	06-May-16	04-Oct-16	30%	-40	-20			AEL			
Portion A10-a															
B10.2170	AEL North - ELS Stage 5 Portion A10a - 1st layer struts	9			21-Jul-16	01-Aug-16	0%		7			AEL North - ELS Stage 5 Portion A10a - 1st layer struts			
B10.2190	AEL North - ELS Stage 5 Portion A10a - 2nd layer struts	7			02-Aug-16	12-Aug-16	0%		7			AEL North - ELS Stage 5 Portion A10a - 2nd layer struts			
B10.2200	AEL North - ELS Stage 5 Portion A10a - Trim Piles & Blind	6			13-Aug-16	20-Aug-16	0%		9			AEL North - ELS Stage 5 Portion A10a - Trim Piles &			
Portion A10-b															
B10.2120	AEL North - ELS Stage 5 Portion A10b - 1st layer struts	9	18-Jul-16	29-Aug-16	18-Jul-16*	27-Jul-16	0%		28	9		AEL North - ELS Stage 5 Portion A10b - 1			
B10.2150	AEL North - ELS Stage 5 Portion A10b - 2nd layer struts	12			23-Jul-16	05-Aug-16	0%		9			AEL North - ELS Stage 5 Portion A10b - 2nd layer struts			
B10.2160	AEL North - ELS Stage 5 Portion A10b - Trim Piles & Blind	8			02-Aug-16	10-Aug-16	0%		9			AEL North - ELS Stage 5 Portion A10b - Trim Piles & Blinding			
Portion A11															
B10.2210	AEL North - ELS Stage 5 Portion A11 - 1st layer struts	5			02-Aug-16	09-Aug-16	0%		7			AEL North - ELS Stage 5 Portion A11 - 1st layer struts			
B10.2240	AEL North - ELS Stage 5 Portion A11 - 2nd layer struts	7			06-Aug-16	15-Aug-16	0%		7			AEL North - ELS Stage 5 Portion A11 - 2nd layer struts			
B10.2250	AEL North - ELS Stage 5 Portion A11- Trim Piles & Blindin	6			16-Aug-16	23-Aug-16	0%		7			AEL North - ELS Stage 5 Portion A11- Trim Piles			
Portion B8 & A9, B9															
Portion B8															
B10.2100	AEL North - ELS Stage 5 Site Formation (B8) - 1st layer tri	4	16-May-16	07-Jun-16	01-Aug-16*	06-Aug-16	0%	-38	0			AEL North - ELS Stage 5 Site Formation (B8) - 1st layer trim			
B10.2300	AEL North - ELS Stage 5 Site Formation (B8) - 1st layer st	7			08-Aug-16	16-Aug-16	0%		1			AEL North - ELS Stage 5 Site Formation (B8) - 1st layer			
B10.2310	AEL North - ELS Stage 5 Site Formation (B8) - 2nd layer t	6			18-Aug-16	25-Aug-16	0%		1			AEL North - ELS Stage 5 Site Formation (B8)			
B10.2320	AEL North - ELS Stage 5 Site Formation (B8) - 2nd layer s	8			26-Aug-16	06-Sep-16	0%		1			AEL North - ELS Stage 5 Site Forr			

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										Jun	Jul	Aug	Sep	Oct	
Portion B9															
B10.2370	AEL North - ELS Stage 5 Site Formation (B9) - 1st layer tr	5			18-Jul-16	23-Jul-16	0%		12						
B10.2380	AEL North - ELS Stage 5 Site Formation (B9) - 1st layer sl	8			25-Jul-16	05-Aug-16	0%		12						
B10.2390	AEL North - ELS Stage 5 Site Formation (B9) - 2nd layer t	6			06-Aug-16	13-Aug-16	0%		12						
B10.2400	AEL North - ELS Stage 5 Site Formation (B9) - 2nd layer s	8			15-Aug-16	25-Aug-16	0%		12						
Portion A9															
B10.2330	AEL North - ELS Stage 5 Site Formation (A9) - 1st layer tr	4			01-Aug-16	06-Aug-16	0%		1						
B10.2340	AEL North - ELS Stage 5 Site Formation (A9) - 1st layer sl	7			08-Aug-16	16-Aug-16	0%		1						
B10.2350	AEL North - ELS Stage 5 Site Formation (A9) - 2nd layer t	6			18-Aug-16	25-Aug-16	0%		1						
B10.2360	AEL North - ELS Stage 5 Site Formation (A9) - 2nd layer s	8			26-Aug-16	06-Sep-16	0%		1						
AEL South															
DCS															
B10.2220	DCS - Remove 1st Layer Struts at +4.2mPD	11	20-Jun-16	05-Jul-16	12-Aug-16	26-Aug-16	0%	-34	215						
B10.1210a	DCS - Construct Sump Pit & Overflow Pipes (Defer Area)	25			22-Aug-16	20-Sep-16	0%		277						
B10.2230	DCS - Backfilling and Install Access Hatch and Misc. Worl	50	08-Jul-16	20-Sep-16	27-Aug-16	09-Nov-16	0%	-34	215						
AEL South except DCS															
B10.1090	AEL South - Plant Room - Excavate to +2.45mPD for Plar	16	20-Apr-16	12-May-16	30-Jun-16	25-Jul-16	0%	-47	189						
AEL North East of Portion A10 (for Area M12 h/o)															
C10.0000	Erect Hoardings and handover to F2 Contractors (21 Ma	16	18-Jul-16	09-Aug-16	06-May-16	04-Jul-16	30%	23	58						
C10.0390	Vacate Portion M12 for Lyric Contractor for Foundation:	0		23-Sep-16		04-Jul-16	0%	53	58						
ICP															
B10.3200	ICP - Deep Excavation for Area A to -1.650mPD	30	31-Mar-16	09-May-16	13-Jun-16 A	15-Jul-16	0%	-43	-63						
B10.3190	ICP - Excavate Central Portion from +3.625mPD to -1.65	30	22-Feb-16	30-Mar-16	20-May-16	30-Jul-16	58%	-83	-63						
B10.3210	ICP - Deep Excavation for Area B to -1.650mPD	20	10-May-16	10-Jun-16	18-Jul-16	15-Aug-16	0%	-43	-58						
B10.3220	ICP - Pile Cap Construction of Area A	25	10-May-16	17-Jun-16	18-Jul-16	22-Aug-16	0%	-43	-63						
B10.3230	ICP - Pile Cap Construction of Area B	25	18-Jun-16	26-Jul-16	23-Aug-16	29-Sep-16	0%	-43	-63						
B10.3240	ICP - Lateral Support	50	10-May-16	26-Jul-16	17-Sep-16	24-Nov-16	0%	-84	-63						
Structures															
Basement Structures / Sub-Structure															
Pilecaps															
AEL South															
Stage 1 - East Pilecap & DCS															
B10.1225	AEL South - Excavation & Concrete Base for Tower Cran	14	12-Jan-16	16-Feb-16	27-Jun-16 A	15-Jul-16	10%	-109	31						
AEL North															
Stage 2 - Pilecap (A1,A2,A3,B1,B2,B3)															
B10.3027	AEL North - Excavation & Concrete Base for Tower Cran	18	03-May-16	21-May-16	04-Jul-16	30-Jul-16	0%	-45	19						
Stage 3 - Pilecap (A4,A5,B4,B5)															
Pilecap (A4 & A5)															
Pile cap Portion A5															
B10.2060g	AEL North - ELS Stage 3 - 3rd Trim / Deep Excav for Pilec	6	21-May-16	26-May-16	02-Jul-16	08-Jul-16	0%	-35	19						
B10.2060h	AEL North - ELS Stage 4 - Construct Lower Pile caps (A5)	5	26-May-16	30-May-16	09-Jul-16	14-Jul-16	0%	-37	19						
B10.2070h	AEL North - ELS Stage 3 - Pre-Loading for Lateral Suppor	2	17-May-16	21-May-16	09-Jul-16	11-Jul-16	0%	-41	752						
B10.2060k	AEL North - ELS Stage 4 - Extended Upper Pile caps (A5) i	10			15-Jul-16	27-Jul-16	0%		27						
B10.2060m	Complete Pile Caps for Composite Column of Steel Truss	0				27-Jul-16	0%		32						
B10.2060p	AEL North - ELS Stage 4 - Extend 1st height of basement	10			28-Jul-16	08-Aug-16	0%		54						
Pilecap (B4 & B5)															
Pile cap Portion B4															
B10.2070f	AEL North - ELS Stage 3 - Construct Pilecap & B2 Slab (B4)	10	03-May-16	13-May-16	24-May-16	05-Jul-16	30%	-42	-6						
Pile Cap Portion B5															

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B10.2070g	AEL North - ELS Stage 3 - 3rd Lateral Support (B5)	4	16-May-16	17-May-16	05-Jul-16	08-Jul-16	0%	-43	-6						
B10.2070i	AEL North - ELS Stage 3 - Deep Excavation for Pilecap (B	5	21-May-16	26-May-16	09-Jul-16	14-Jul-16	0%	-40	-6						
B10.2070j	AEL North - ELS Stage 4 - Construct Lower Pilecap for B5	8	26-May-16	30-May-16	15-Jul-16	25-Jul-16	0%	-45	-6						
B10.2070k	AEL North - ELS Stage 4 - Extend Upper Pile caps (B5) for	14	30-May-16	30-May-16	26-Jul-16	10-Aug-16	0%	-59	-6						
B10.2070l	AEL North - Complete Pilecaps for RC Columns of Truss	0				10-Aug-16	0%		-6						
B10.2070m	AEL North - ELS Stage 4 - Extend 1st height of basement	9			11-Aug-16	20-Aug-16	0%		15						
Stage 4 to 7: ELS & Excavation (A6, A7, A8, A9, A10, A11, A12 & B6, B7, B8, B9)															
Pilecaps - Portion (A6, A7 & A8)															
Pile cap Portion A6															
B10.4210	AEL North - BD Stage 4 - Pile Cap Construction (Portion /	43			27-Apr-16 A	15-Jul-16	70%		-3						
B10.3141	AEL North - BD Stage 4 - Pile Cap Construction (Portion /	43			27-Apr-16 A	19-Jul-16	70%		-5						
Pile Cap Portion A7															
B10.3111	AEL North - BD Stage 4 - Pile Cap Construction (Portion /	43			27-Apr-16 A	19-Jul-16	75%		7						
Pile Cap Portion A8															
B10.3131	AEL North - BD Stage 4 - Underground Drainage (Portion	9			01-Apr-16 A	04-Aug-16	50%		-26						
B10.3151	AEL North - BD Stage 4 -Pile cap Construction (Portion /	4			25-Jun-16 A	04-Aug-16	0%		-26						
Pilecaps - Portion (B8, A9 & B9)															
Pile Cap Portion B8															
B10.3103	AEL North - BD Stage 6 - Pile Cap Construction (Portion /	5	24-May-16	09-Jul-16	08-Sep-16	13-Sep-16	0%	-44	1						
B10.3104	AEL North - BD Stage 6 - Underground Drainage (Portior	5	24-May-16	11-Jun-16	08-Sep-16	13-Sep-16	0%	-62	1						
Pile Cap Portion B9															
B10.3134	AEL North - BD Stage 6 - Pile Cap Construction (Portion	4			26-Aug-16	30-Aug-16	0%		15						
B10.3144	AEL North - BD Stage 6 - Underground Drainage (Portion	4			26-Aug-16	30-Aug-16	0%		15						
Pilecaps - Portion (A9)															
B10.3114	AEL North - BD Stage 6 - Pile Cap Construction (Portion	6			30-Aug-16	08-Sep-16	0%		1						
B10.3124	AEL North - BD Stage 6 - Underground Drainage (Portion	6			30-Aug-16	08-Sep-16	0%		1						
Pilecaps - Portion (A10a, A10b, A11 & A12)															
Pile Cap Portion A10a															
B10.3790	AEL North - BD Stage 6 - Pile Construction (Portion A10a	9			22-Aug-16	03-Sep-16	0%		624						
B10.3900	AEL North - BD Stage 6 - Underground Drainage (Portion	7			22-Aug-16	30-Aug-16	0%		635						
Pile Cap Portion A10b															
B10.3590	AEL North - BD Stage 6 - Pile Cap Construction (Portion /	12	28-Jun-16	13-Aug-16	11-Aug-16	24-Aug-16	0%	-9	9						
B10.3600	AEL North - BD Stage 6 - Underground Drainage (Portion	9	28-Jun-16	15-Jul-16	11-Aug-16	20-Aug-16	0%	-30	10						
Pile Cap Portion A11															
B10.3710	AEL North - BD Stage 6 - Pile Cap Construction (Portion /	7			25-Aug-16	03-Sep-16	0%		24						
B10.3720	AEL North - BD Stage 6 - Underground Drainage (Portion	6			25-Aug-16	02-Sep-16	0%		634						
Pile Cap Portion A12															
B10.3730	AEL North - BD Stage 6 - Pile Cap Construction (Portion /	8			03-Sep-16	13-Sep-16	0%		626						
B10.3740	AEL North - BD Stage 6 - Underground Drainage (Portior	6			03-Sep-16	10-Sep-16	0%		628						
Pilecaps - Portion (B6)															
B10.3610	AEL North - BD Stage 4 - Pile Cap Construction (Portion /	30	06-Aug-16	19-Sep-16	25-Aug-16	11-Oct-16	0%	-13	19						
B10.3620	AEL North - BD Stage 5 - Underground Drainage (Portion	12	08-Aug-16	23-Aug-16	26-Aug-16	12-Sep-16	0%	-13	19						
RC Structures for Trusses															
B6A.2002	AEL South - Construct Pile Cap PC 88'a' & PC 107 for Tru:	18	03-Jun-16	28-Jun-16	28-Jan-16 A	15-Jul-16	70%	-10	39						
B6A.2004	AEL South - Construct Pile Cap PC 92'c' & PC 117 for Tru:	18	23-Jun-16	21-Jul-16	06-Apr-16 A	30-Jul-16	50%	-7	39						
B6A.2006	AEL South - Complete Pile Caps for Trusses 3 & 4	0		21-Jul-16		30-Jul-16	0%	-7	58						
RC Structure for Water Tank															
B10.3355	AEL North - Construct Water Tank Part 2 (West of Portio	35	16-Aug-16	08-Oct-16	30-Mar-16	14-Jul-16	0%	56	47						
B2/F Slabs															
B2 Slab - Portion (A6, A7 & A8)															
B2 Slab - Portion A6															
B10.3700	AEL North (Stage 5) - B2 Slab (Portion A6) - part 1 includ	7			05-Apr-16 A	15-Jul-16	50%		-3						

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B10.3940	AEL North (Stage 5) - B2 Slab (Portion A6) - part 2 include	6			27-Apr-16 A	22-Jul-16	50%		-11	AEL North (Stage 5) - B2 Slab (Portion A6) - part 2 includes corbel for ELS, AEL N					
B2 Slab - Portion A7															
B10.3480	AEL North (Stage 5) - B2 Slab (Portion A7 & A8)	29	31-May-16	15-Jul-16	24-May-16	08-Aug-16	40%		-15	AEL North (Stage 5) - B2 Slab (Portion A7 & A8), AEL North (Sta					
B2 Slab - Portion A8															
B10.3510	AEL North (Stage 5) - B2 Slab (Portion A8-2) includes corl	5			05-Aug-16	11-Aug-16	0%		-20	AEL North (Stage 5) - B2 Slab (Portion A8-2) includes corbel					
B2 Slab - Portion B8, A9 & B9															
B2 Slab - Portion B8															
B10.3490	AEL North - B2 Slab - Stage 7 (Portion B8)	9	06-Jun-16	15-Aug-16	08-Sep-16	20-Sep-16	0%		-24	AEL North - B2 Sla					
B2 Slab - Portion A9															
B10.3530	AEL North - B2 Slab - Stage 7 (Portion A9)	9			08-Sep-16	20-Sep-16	0%		1	AEL North - B2 Sla					
B2 Slab - Portion B9															
B10.3500	AEL North - B2 Slab - Stage 7 (Portion B9)	9	03-Jun-16	15-Jul-16	26-Aug-16	08-Sep-16	0%		-36	AEL North - B2 Slab - Stage 7 (
B2 Slab - Portion A10a, A10b, A11 & A12															
B2 Slab - Portion A10a															
B10.3045	AEL North - B2 Slab - Stage 7 (Portion A10a)	9			05-Sep-16	17-Sep-16	0%		624	AEL North - B2 Slab -					
B2 Slab - Portion A10b															
B10.3035	AEL North - B2 Slab - Stage 7 (Portion A10b)	8			25-Aug-16	05-Sep-16	0%		35	AEL North - B2 Slab - Stage 7 (Por					
B2 Slab - Portion A11															
B10.3075	AEL North - B2 Slab - Stage 7 (Portion A11)	13			06-Sep-16	21-Sep-16	0%		31	AEL North - B2 S					
B2 Slab - Portion (B6 & B7)															
B10.3022	AEL North - B2 Slab - Stage 5 (Portion B6)	19	10-Sep-16	08-Oct-16	13-Sep-16	14-Oct-16	0%		-3	AEL North - B2 Sla					
AEL South															
B10.2180	AEL South (DCS) - Construct Basement B2 Slab at -2.15m	27	24-Mar-16	28-Apr-16	16-May-16	11-Jul-16	50%		-46	AEL South (DCS) - Construct Basement B2 Slab at -2.15mPD to -1.5mPD, AEL South (DCS) -					
B1/F Slab - Walls, Columns & B1/F Slabs															
AEL North - B1/F Slab other than AEL Zone															
B10.3060	AEL North - Wall, Column & B1 Slab (Portion B1C)	34	01-Apr-16	17-May-16	24-Mar-16	14-Jul-16	70%		-37	AEL North - Wall, Column & B1 Slab (Portion B1C), AEL North - Wall, Column & B1 Slab (
B10.3520	AEL North - Wall, Column & B1 Slab (Portion B1E)	22	16-Aug-16	17-Sep-16	30-Mar-16	29-Sep-16	20%		-8	AEL Nort					
B10.3522	AEL North - Wall, Column & B1 Slab (Portion B1E-2)	18			24-Jun-16 A	11-Jul-16	0%		55	AEL North - Wall, Column & B1 Slab (Portion B1E-2), AEL North - Wall, Column & B1 Slab (P					
B10.3055	AEL North - Wall, Column & B1 Slab (Portion B1B)	15	19-Mar-16	09-Apr-16	30-Mar-16	14-Jul-16	70%		-64	AEL North - Wall, Column & B1 Slab (Portion B1B), AEL North - Wall, Column & B1 Slab (
B10.3525	AEL North - Wall, Column & B1 Slab (Portion B1E-5)	7			12-Jul-16	18-Jul-16	0%		55	AEL North - Wall, Column & B1 Slab (Portion B1E-5)					
B10.3065	AEL North - Wall, Column & B1 Slab (Portion B1D)	19	11-Apr-16	03-May-16	15-Jul-16	12-Aug-16	0%		-64	AEL North - Wall, Column & B1 Slab (Portion B1D)					
B10.3526	AEL North - Wall, Column & B1 Slab (Portion B1E-6)	43			19-Jul-16	30-Aug-16	0%		55	AEL North - Wall, Column & B1 Slab (Po					
B10.3540	AEL North - Wall, Column & B1 Slab (Portion B1F)	20	31-May-16	30-Jun-16	22-Aug-16	20-Sep-16	0%		-53	AEL North - Wall,					
B10.3690	AEL North - Wall, Column & B1 Slab (Portion B1R)	20	18-Jul-16	15-Aug-16	22-Sep-16	22-Oct-16	0%		-44	AEL North - Wall,					
AEL North - B1/F Slab for Truss T1, T2 & T5 Erection															
B10.3100	AEL North - Wall, Column & B1 Slab (Portion A5)	18			30-Jun-16	22-Jul-16	0%		202	AEL North - Wall, Column & B1 Slab (Portion A5)					
B10.3090	AEL North - Wall, Column & B1 Slab (Portion A4)	18	03-Mar-16	23-Mar-16	28-Jul-16	22-Aug-16	0%		-101	AEL North - Wall, Column & B1 Slab (Portion A4					
C10.0120	AEL North - Construct Found Space Basement Wall and	15	02-Sep-16	23-Sep-16	02-Aug-16	23-Aug-16	0%		20	AEL North - Co					
AEL South - B1/F Slab for DCS to facilitate Truss Erection															
B10.2125	AEL South (DCS) - Construct Walls & Columns to B1 Slab	5	29-Apr-16	06-Jun-16	30-Jun-16	08-Jul-16	0%		-20	AEL South (DCS) - Construct Walls & Columns to B1 Slab - part 1					
B10.2115	AEL South (DCS) - Remove 2nd Layer Struts at 0.0mPD of	8	29-Apr-16	12-May-16	02-Jul-16	14-Jul-16	0%		-40	AEL South (DCS) - Remove 2nd Layer Struts at 0.0mPD of DCS Plant Room					
B10.2126	AEL South (DCS) - Construct Walls & Columns to B1 Slab	5			09-Jul-16	15-Jul-16	0%		-27	AEL South (DCS) - Construct Walls & Columns to B1 Slab - part 2					
B10.2128	AEL South (DCS) - Construct Walls & Columns to B1 Slab	6			15-Jul-16	23-Jul-16	0%		-27	AEL South (DCS) - Construct Walls & Columns to B1 Slab - part 3					
B10.2130	AEL South (DCS) - B1 Floor Slab at ~+6.05mPD - part 1	7	20-May-16	18-Jun-16	25-Jul-16	02-Aug-16	0%		-29	AEL South (DCS) - B1 Floor Slab at ~+6.05mPD - part 1					
B10.2135	AEL South (DCS) - B1 Floor Slab at ~+6.05mPD - part 2	6			05-Aug-16	12-Aug-16	0%		-27	AEL South (DCS) - B1 Floor Slab at ~+6.05mPD - part 2					
B10.2145	AEL South (DCS) -- Pile caps & Sump Pits (Deferred area)	9			13-Aug-16	25-Aug-16	0%		-27	AEL South (DCS) -- Pile caps & Sump Pits (Def					
AEL South - RC Structures Prior to Area M14 H/O															
B10.3310	AEL South - Construct Basement Road Wall between PC	17	29-Apr-16	24-May-16	30-Jun-16	26-Jul-16	0%		-40	AEL South - Construct Basement Road Wall between PC 109 & 116 to G/F L					
B10.1040	AEL South - Construct Core Wall on PC96 from B1F to 1M	35	01-Apr-16	20-May-16	09-May-16	09-Aug-16	30%		-52	AEL South - Construct Core Wall on PC96 from B1F to 1M/F L					
B10.3290	AEL South - Construct Basement Road Wall between PC	17	21-Apr-16	14-Jun-16	30-Jun-16	26-Jul-16	0%		-27	AEL South - Construct Basement Road Wall between PC 96 & PC 105 to G/F					

◆ Baseline Milestone
— Primary Baseline
◆ Milestone
 Non-Critical
 Critical Bar
 Actual Work

West Kowloon Cultural District Authority
3 Months Rolling Programme (3MRP-09)
Status @ 30 June 2016

Date	Revision	Revision	
		Checked	Approved
08-Apr-16	3 MRP-06 Status at Mar 2016	Ricky Lau	Chris Chau
05-May-16	3 MRP-07 Status at Apr 2016	Ricky Lau	Chris Chau
14-Jun-16	3 MRP-08 Status at May 2016	Ricky Lau	Chris Chau
13-Jul-16	3 MRP-09 Status at Jun 2016	Ricky Lau	Chris Chau



3 Months Rolling Programme (3MRP-09)

Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016					
										Jun	Jul	Aug	Sep	Oct	
B10.3300	AEL South - Construct External Wall between PC 96 & PC	25	21-Apr-16	28-May-16	28-Jul-16	02-Sep-16	0%	-62	202						
B10.3315	AEL South - Construct Walls, Column & Staircases to G/F	27	29-Apr-16	13-Jun-16	08-Aug-16	15-Sep-16	0%	-62	202						
B10.3320	AEL South - Construct G/F slab between PC 105, 109 & 1	16	03-Jun-16	27-Jun-16	08-Sep-16	30-Sep-16	0%	-62	202						
Podium Super-Structures															
Trusses															
AEL Tunnel Zone -Trusses 1															
C10.0150	AEL Tunnel Zone - Erection of Temp Working Platform ar	50	25-Jun-16	24-Aug-16	11-Jul-16	07-Sep-16	0%	-12	6						
C10.0145	AEL Tunnel Zone - Construct RC Column for Steel Trusse:	27	08-Jun-16	20-Jul-16	11-Aug-16	10-Sep-16	0%	-45	3						
C10.0155	AEL Tunnel Zone - Truss 1 Construction Summary	117	25-Aug-16	27-Jan-17	23-Sep-16	15-Feb-17	0%	-13	0						
C10.0160	AEL Tunnel Zone - Truss 1 Concreting of 1st pour of both	12	25-Aug-16	10-Sep-16	23-Sep-16	07-Oct-16	0%	-21	-6						
AEL Tunnel Zone -Trusses 2															
C10.0162	AEL Tunnel Zone - Erection of Temp Working Platform ar	50	13-Jul-16	09-Sep-16	19-Jul-16	14-Sep-16	0%	-4	6						
C10.0161	AEL Tunnel Zone - Construct RC Column for Steel Trusse:	27			11-Aug-16	10-Sep-16	0%		-6						
AEL Tunnel Zone -Trusses 5															
C10.0172	AEL Tunnel Zone - Erection of Temp Working Platform ar	50	13-Jul-16	09-Sep-16	02-Jul-16	30-Aug-16	0%	9	47						
C10.0168	AEL Tunnel Zone - Construct Composite Columns for Tru	26			01-Aug-16	30-Aug-16	0%		27						
C10.0180	AEL Tunnel Zone - Truss 5 Concreting of 1st pour of both	12	19-Sep-16	07-Oct-16	23-Sep-16	07-Oct-16	0%	0	8						
C10.0175	AEL Tunnel Zone - Truss 5 Construction Summary	105	19-Sep-16	04-Feb-17	23-Sep-16	01-Feb-17	0%	3	8						
AEL South - Trusses 3															
B6A.1999	AEL Tunnel Zone - Construct Composite/RC Columns for	35			18-Jul-16	26-Aug-16	0%		51						
B6A.2000	AEL South - Erection of Temp Working Platform and Falsi	50	20-Jul-16	15-Sep-16	20-Jul-16*	15-Sep-16	0%	0	34						
B6A.2030	AEL South - Truss 3 Concreting of 1st pour of bottom ch	12	17-Sep-16	04-Oct-16	17-Sep-16	30-Sep-16	0%	2	34						
B6A.2020	AEL South - Truss 3 Construction Summary	144	17-Sep-16	21-Mar-17	17-Sep-16	13-Mar-17	0%	7	34						
AEL South - Trusses 4															
B6A.2024	AEL Tunnel Zone - Construct Composite Columns for Tru	34			01-Aug-16	08-Sep-16	0%		49						
B6A.2025	AEL South - Erection of Temp Working Platform and Falsi	50	02-Aug-16	29-Sep-16	02-Aug-16	29-Sep-16	0%	0	40						
B6A.2040	AEL South - Truss 4 Concreting of 1st pour of bottom ch	12	30-Sep-16	20-Oct-16	28-Sep-16	13-Oct-16	0%	6	34						
B6A.2035	AEL South - Truss 4 Construction Summary	105	30-Sep-16	14-Feb-17	28-Sep-16	06-Feb-17	0%	7	34						
SPS Structures (include Excavation)															
D01.3000	SPS - ELS Works (Provisional)	61	11-Feb-16	26-Apr-16	20-May-16	22-Jul-16	46%	-70	-74						
D01.3010	SPS - Construct Basement Structure	100	27-Apr-16	26-Aug-16	23-Jul-16	19-Nov-16	0%	-70	-74						
ICP Structures (include Excavation)															
A3980	ICP - ELS works (Provisional)	110	22-Feb-16	26-Jul-16	20-May-16	24-Nov-16	30%	-101	-74						
External Works															
M+ External Works															
Utilities															
Drainage															
Storm Drain DN600 at Portion M45															
Storm Drain along Gridline D'-E'/1'-2'															
EW1750	PIW handover of WHC6_1c for M+ connection	0				30-Jun-16*	0%		0						
EW1700	Fence off work area for DN600 storm drain excavation	1			02-Jul-16	02-Jul-16	0%		303						
EW1705	Excavate trial trench for existing Underground Utilities	14			02-Jul-16	23-Jul-16	0%		303						
EW1708	Intall support to exisiting Underground Utilities	7			25-Jul-16	02-Aug-16	0%		303						
EW1710	Excavate trench for DN600 and install shoring	10			05-Aug-16	18-Aug-16	0%		303						
EW1730	Lay down DN600 pipe between WHC6_1c & MHS3.4	7			19-Aug-16	27-Aug-16	0%		303						
EW1740	Backfill and reinstate pavement	2			29-Aug-16	30-Aug-16	0%		303						
Storm Drain DN375 at Portion M45															
Storm Drain along Gridline A-K' / 5'															
EW1640	PIW handover of WHC6_1e for M+ connection	0				01-Aug-16*	0%		0						

- ◆ Baseline Milestone
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West Kowloon Cultural District Authority

3 Months Rolling Programme (3MRP-09)

Status @ 30 June 2016

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08-Apr-16	3 MRP-06 Status at Mar 2016	Ricky Lau	Chris Chau
05-May-16	3 MRP-07 Status at Apr 2016	Ricky Lau	Chris Chau
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13-Jul-16	3 MRP-09 Status at Jun 2016	Ricky Lau	Chris Chau



3 Months Rolling Programme (3MRP-09)

Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016					
										Jun	Jul	Aug	Sep	Oct	
EW6110	Fence off Work area for DN375 storm drain excavation	1			02-Aug-16	02-Aug-16	0%		342			█ Fence off Work area for DN375 storm drain excavation			
EW1615	Excavate Trial Trench for existing Underground Utilities	14			02-Aug-16	22-Aug-16	0%		342			█ Excavate Trial Trench for existing Underground Utilities			
EW1618	Install support to existing underground Utilities	14			23-Aug-16	12-Sep-16	0%		342			█ Install support to existing			
EW6120	Excavate trench for DN375 and install shoring	15			13-Sep-16	07-Oct-16	0%		342			█ Excavate trench for DN375 and install shoring			
Storm Drain DN150 at Portion M45															
Storm Drain along Gridline A / 5' - 6'															
EW1900	PIW handover of WHC6_1f for M+ connection	0				11-Aug-16*	0%		0			◆ PIW handover of WHC6_1f for M+ connection			
EW1910	Fence off work area for DN150 storm drain excavation	1			11-Aug-16	11-Aug-16	0%		355			█ Fence off work area for DN150 storm drain excavation			
EW1915	Excavate Trial Trench for existing Underground Utilities	14			12-Aug-16	30-Aug-16	0%		355			█ Excavate Trial Trench for existing Underground Utilities			
EW1930	Install support to existing Underground Utilities	8			02-Sep-16	12-Sep-16	0%		355			█ Install support to existing			
EW1920	Excavate trench for DN150 and install shoring	6			13-Sep-16	22-Sep-16	0%		355			█ Excavate trench			
EW1940	Lay down DN150 and connect to WHC6_1f	9			23-Sep-16	07-Oct-16	0%		355			█ Lay down DN150 and connect to WHC6_1f			
Storm Drain DN300 along Gridline G-M/14															
EW1945	DCS Plant Room RC Structure complete (including defere	0				06-Sep-16	0%		304			◆ DCS Plant Room RC Structure co			
EW1955	Prepare / Submit Temp Works ELS with ICE Cert	14			08-Sep-16	27-Sep-16	0%		304			█ Prepare / S			
EW1960	Excavate Trial Trench for existing underground utilities	14			15-Sep-16	07-Oct-16	0%		304			█ Excavate Trial Trench for existing underground utilities			
Storm Drain DN600 along Gridline B-G/14															
EW8605	Completion of B1 Slab (Portion B1E)	0				06-Sep-16	0%		197			◆ Completion of B1 Slab (Portion B1E)			
EW8610	Excavate Trial Trench for existing underground utilities	14			08-Sep-16	27-Sep-16	0%		197			█ Excavate T			
EW8620	Install support on existing underground utilities	14			29-Sep-16	21-Oct-16	0%		197			█ Install support on existing underground utilities			
Gas															
EW1025	Construct the branch gas main for M+	50	01-Jun-16	20-Jul-16	11-Aug-16	29-Sep-16	0%	-71	709			█ Construct the branch gas main for M+			
Gas Main at Portion M45															
Gas Main along Gridline E' - I' / 1'															
EW1035	Take Possession date of M45 (M45 IS Appendix D1, 31 Ju	0			31-Jul-16*		0%		0			◆ Take Possession date of M45 (M45 IS Appendix D1, 31 July 16)			
WSD															
Water Main Works at Portion M45															
EW1147	Watermain (FH-CH250) interface : M+Planned date (1 Ju	0			30-Jun-16*		0%		-29			◆ Watermain (FH-CH250) interface : M+Planned date (1 Jun16)			
EW1150	PIW Contractor Handover Portion M45 to HCC (IS Apper	0			31-Jul-16*		0%		0			◆ PIW Contractor Handover Portion M45 to HCC (IS Appendix D1, item 3)			
EW1160	Remove existing hoarding fixed to Sheet pile	14			01-Aug-16	20-Aug-16	0%		77			█ Remove existing hoarding fixed to Sheet pile			
EW1170	Install a new hoarding with 500mm clearance from roac	7			22-Aug-16	30-Aug-16	0%		77			█ Install a new hoarding with 500mm cle			
EW1180	Excavate Trench to expose watermains by PIW & install :	7			02-Sep-16	10-Sep-16	0%		77			█ Excavate Trench to expose v			
EW1190	Cut down sheet piles for water pipe connections	7			12-Sep-16	22-Sep-16	0%		77			█ Cut down sheet			
EW1510	Construct Incoming Water Mains (1- DN100 salt water)	21			23-Sep-16	13-Oct-16	0%		103			█ Construct Incoming Water Mains (1- DN100 salt water)			
EW1500	Construct Incoming Water Mains (2- DN150 Fresh Water	21			23-Sep-16	13-Oct-16	0%		103			█ Construct Incoming Water Mains (2- DN150 Fresh Water			
Telecom															
EW1080	Lay Telecom FTNS duct and complete pits connection	72	27-Jun-16	18-Oct-16	05-Sep-16	10-Dec-16	0%	-44	292			█ Lay Telecom FTNS duct and complete pits connection			
CLP															
EW1090	Excavate trench in footway for the 11kV direct buried ca	12	02-Jun-16	18-Jun-16	11-Aug-16	26-Aug-16	0%	-45	511			█ Excavate trench in footway for the 11kV dir			
EW1100	Lay 11kV power cable by CLP (by others)	25	20-Jun-16	28-Jul-16	27-Aug-16	04-Oct-16	0%	-45	511			█ Lay 11kV power cable by CLP (by others)			
Sea Water Drainage Pipe															
Sea Water Drainage Pipe															
Seawater Intake and Outfall Pipeworks															
EW8960	Take Possession of M38 & M39 (Appendix D2. 31Aug16)	0			31-Aug-16*		0%		0			◆ Take Possession of M38 & M39 (Appen			
Seawater outfall pipeworks underground section Ch0 - 108 (starting from Ch108)															
EW3080	Trial Pits and trenches for exposing Underground Utilities	40			02-Sep-16	01-Nov-16	0%		177			█ Trial Pits and trenches for exposing Underground Utilities			
EW3090	Detailed design for trench lateral support and undergrou	14			13-Sep-16	04-Oct-16	0%		177			█ Detailed design for trench lateral support and undergrou			
Intaking Chiller Mains															
Seawater Intake and Chilled Water Pipeworks															
Seawater Intake Pipeworks															
Setting-out / Preparation Works															

- ◆ Baseline Milestone
- Primary Baseline
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- █ Critical Bar
- █ Actual Work

West Kowloon Cultural District Authority

3 Months Rolling Programme (3MRP-09)

Status @ 30 June 2016

Date	Revision		
	Revision	Checked	Approved
08-Apr-16	3 MRP-06 Status at Mar 2016	Ricky Lau	Chris Chau
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13-Jul-16	3 MRP-09 Status at Jun 2016	Ricky Lau	Chris Chau



3 Months Rolling Programme (3MRP-09)

Activity ID	Activity Name	Ori. Dur.	BaseLine Start	BaseLine Finish	Forecast / Actual Start	Forecast / Actual Finish	% Compl.	Finish Variance	Current Float	2016					
										Jun	Jul	Aug	Sep	Oct	
B10.1423	AEL South - DCS Construct Walls & Columnsto B1 Slab cc	0				26-Jul-16	0%		197						◆ AEL South - DCS Construct Walls & Columnsto B1 Slab complete
B10.1440	Prepare Detailed Design and Modifcation	14			18-Jun-16 A	18-Aug-16	20%		198						█ Prepare Detailed Design and Modifcation, Prepare D
B10.1425	Trial Pits and Trench	14			05-Aug-16	22-Aug-16	0%		195						█ Trial Pits and Trench
Stage 1 - Pipeworks Adjacent DCS															
B10.1428	Stage 1 - Form Access Road / Traffic Diversion (Along Se	7			15-Aug-16	22-Aug-16	0%		242						█ Stage 1 - Form Access Road / Traffic Diversion (A
B10.1450	Stage 1 - Drill holes, Inject Curtain Grout & backfill (Adjar	20			22-Aug-16	14-Sep-16	0%		195						█ Stage 1 - Drill holes, Inje
B10.1200	Stage 1 - Excavate from G/F (+4.5mPD) to formation Lev	25			14-Sep-16	17-Oct-16	0%		195						█
Stage 2 - Pipeworks Adjacent Waterfront / Seawall															
B10.1452	Stage 2 - Form Access Road / Traffic Diversion (Adjacent	7			14-Sep-16	21-Sep-16	0%		326						█ Stage 2 - Form Ac
B10.1455	Stage 2 - Drillholes and Inject Curtain Grout (Along Seaw	20			22-Sep-16	15-Oct-16	0%		265						█
Statutory Inspections & Occupation Permit (OP)															
M+ Museum - Statutory Inspection & Approval															
M+ Museum - WSD (FS Pipeworks) Inspection & Approval															
SH4200	FS - Submit Form WW046 (Part 1 & 2) and Approval by W	90	02-Feb-16	01-May-16	10-Jul-16*	07-Oct-16	0%	-159	294						█
M+ Museum - WSD (Plumbing) Inspection & Approval															
SH4260	Plumbing - Submit Form WW046 (Part 1 & 2) to WSD (Su	90	02-Feb-16	01-May-16	10-Jul-16*	07-Oct-16	0%	-159	294						█

◆	Baseline Milestone
—	Primary Baseline
◆	Milestone
█	Non-Critical
█	Critical Bar
█	Actual Work

West Kowloon Cultural District Authority

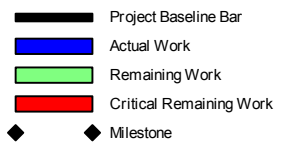
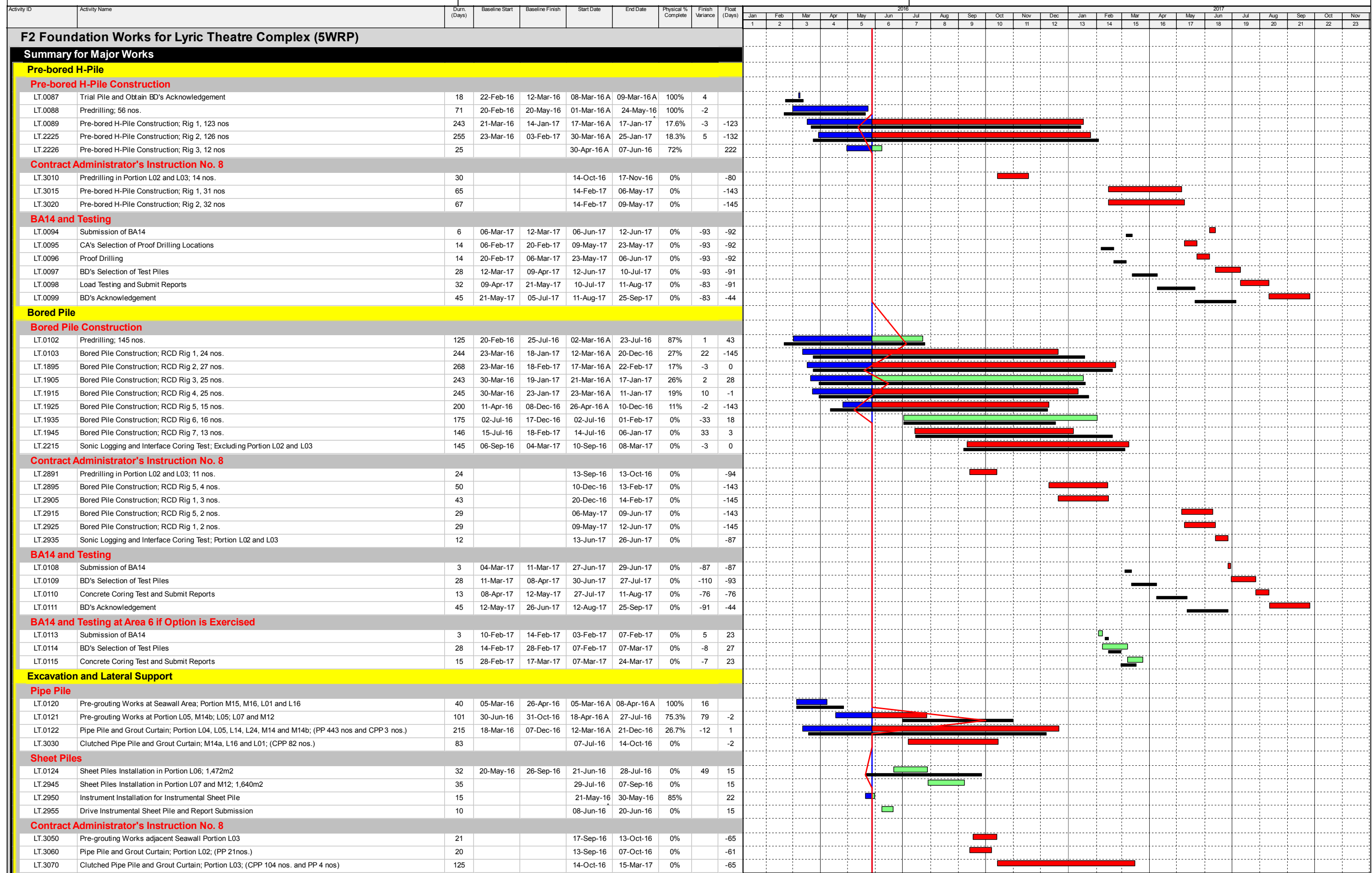
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Lyric Theatre Complex



WEST KOWLOON CULTURAL DISTRICT AUTHORITY
 FOUNDATION WORKS FOR LYRIC THEATRE COMPLEX
 AND THE EXTENDED BASEMENT IN ZONE 3B
 SUMAMRY PROGRAMME BASED ON
 CONSTRUCTION WORKS PROGRAMME - REV. "0"



Date	Revision	Checked	Approved
27-May-16	For Information	R.L.	A.W.

Activity ID	Activity Name	Durn. (Days)	Programme Rev A Start	Programme Rev A Finish	Current / Actual Start	Current / Actual Finish	Physical % Complete	Finish Variance	Float (Days)	2016												2017											
										Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
F2 Foundation Works for Lyric Theatre Complex																																	
Summary for Major Works																																	
Pre-bored H-Pile																																	
Pre-bored H-Pile Construction																																	
LT.0087	Trial Pile and Obtain BD's Acknowledgement	18	22-Feb-16	12-Mar-16	08-Mar-16 A	09-Mar-16 A	100%	4																									
LT.0088	Predrilling, Excluding Portions L02 and L03; 56 nos.	71	20-Feb-16	20-May-16	01-Mar-16 A	13-Jul-16 A	100%	-43																									
LT.0089	Pre-bored H-Pile Construction; Rig 1, 120 nos	243	01-Apr-16	21-Jan-17	17-Mar-16 A	13-Jan-17	38.3%	7	24																								
LT.2225	Pre-bored H-Pile Construction; Rig 2, 116 nos	255	01-Apr-16	08-Feb-17	30-Mar-16 A	11-Feb-17	33.6%	-3	1																								
LT.2226	Pre-bored H-Pile Construction; Rig 3, 25 nos	25	01-Apr-16	30-Apr-16	30-Apr-16 A	06-Jul-16 A	100%	-52																									
Contract Administrator's Instruction No. 8																																	
LT.3010	Predrilling in Portions L02 and L03; 14 nos.	30	14-Oct-16	17-Nov-16	14-Oct-16	17-Nov-16	0%	0	69																								
LT.3015	Pre-bored H-Pile Construction; Rig 1, 31 nos	65	14-Feb-17	06-May-17	09-Feb-17	29-Apr-17	0%	4	5																								
LT.3020	Pre-bored H-Pile Construction; Rig 2, 32 nos	67	14-Feb-17	09-May-17	13-Feb-17	08-May-17	0%	1	1																								
BA14 and Testing																																	
LT.0094	Submission of BA14	6	06-Jun-17	12-Jun-17	06-Jun-17	11-Jun-17	0%	1	2																								
LT.0095	CA's Selection of Proof Drilling Locations	14	09-May-17	23-May-17	09-May-17	22-May-17	0%	1	2																								
LT.0096	Proof Drilling	14	23-May-17	06-Jun-17	23-May-17	05-Jun-17	0%	1	2																								
LT.0097	BD's Selection of Test Piles	28	12-Jun-17	10-Jul-17	12-Jun-17	09-Jul-17	0%	1	2																								
LT.0098	Load Testing and Submit Reports	32	10-Jul-17	11-Aug-17	09-Jul-17	10-Aug-17	0%	1	2																								
LT.0099	BD's Acknowledgement	45	11-Aug-17	25-Sep-17	11-Aug-17	24-Sep-17	0%	1	19																								
Bored Pile																																	
Bored Pile Construction																																	
LT.0102	Predrilling, Excluding Portions L02 and L03; 145 nos.	125	20-Feb-16	25-Jul-16	02-Mar-16 A	16-Aug-16*	99%	-19	23																								
LT.0103	Bored Pile Construction; RCD Rig 1, 25 nos.	244	07-Apr-16	27-Jan-17	12-Mar-16 A	17-Dec-16	51%	32	4																								
LT.1895	Bored Pile Construction; RCD Rig 2, 27 nos.	268	18-Mar-16	13-Feb-17	17-Mar-16 A	17-Feb-17	36%	-4	92																								
LT.1905	Bored Pile Construction; RCD Rig 3, 25 nos.	243	14-Apr-16	06-Feb-17	21-Mar-16 A	17-Jan-17	45%	14	116																								
LT.1915	Bored Pile Construction; RCD Rig 4, 23 nos.	245	29-Mar-16	20-Jan-17	23-Mar-16 A	06-Jan-17	37%	12	6																								
LT.1925	Bored Pile Construction; RCD Rig 5, 18 nos.	200	28-Apr-16	24-Dec-16	26-Apr-16 A	03-Dec-16	52%	18	4																								
LT.1935	Bored Pile Construction; RCD Rig 7, 14 nos.	175	12-Jul-16	10-Feb-17	30-Jul-16	09-Feb-17	0%	1	99																								
LT.1945	Bored Pile Construction; RCD Rig 6, 13 nos.	146	14-Jul-16	06-Jan-17	22-Jul-16 A	13-Jan-17	5%	-6	-1																								
LT.2215	Sonic Logging and Interface Coring Test; Excluding Portions L02 and L03	145	10-Sep-16	08-Mar-17	06-Sep-16	03-Mar-17	0%	4	92																								
Contract Administrator's Instruction No. 8																																	
LT.2891	Predrilling in Portions L02 and L03; 11 nos.	24	13-Sep-16	13-Oct-16	13-Sep-16	13-Oct-16	0%	0	48																								
LT.2895	Bored Pile Construction; RCD Rig 5, 4 nos.	51	10-Dec-16	14-Feb-17	05-Dec-16	08-Feb-17	0%	5	4																								
LT.2905	Bored Pile Construction; RCD Rig 1, 3 nos.	43	20-Dec-16	14-Feb-17	15-Dec-16	09-Feb-17	0%	4	4																								
LT.2915	Bored Pile Construction; RCD Rig 5, 2 nos.	30	06-May-17	10-Jun-17	08-May-17	12-Jun-17	0%	-1	1																								
LT.2925	Bored Pile Construction; RCD Rig 1, 2 nos.	29	09-May-17	12-Jun-17	08-May-17	10-Jun-17	0%	1	2																								
LT.2935	Sonic Logging and Interface Coring Test; Portions L02 and L03	12	13-Jun-17	26-Jun-17	13-Jun-17	26-Jun-17	0%	0	1																								
BA14 and Testing																																	
LT.0108	Submission of BA14	3	27-Jun-17	29-Jun-17	27-Jun-17	29-Jun-17	0%	0	1																								
LT.0109	BD's Selection of Test Piles	28	30-Jun-17	27-Jul-17	30-Jun-17	27-Jul-17	0%	0	1																								
LT.0110	Concrete Coring Test and Submit Reports	13	27-Jul-17	11-Aug-17	27-Jul-17	11-Aug-17	0%	0	1																								
LT.0111	BD's Acknowledgement	45	12-Aug-17	25-Sep-17	12-Aug-17	25-Sep-17	0%	0	18																								
BA14 and Testing at Area 6 if Option is Exercised																																	
LT.0113	Submission of BA14	3	03-Feb-17	07-Feb-17	06-Feb-17	09-Feb-17	0%	-2	22																								
LT.0114	BD's Selection of Test Piles	28	07-Feb-17	07-Mar-17	09-Feb-17	09-Mar-17	0%	-2	26																								
LT.0115	Concrete Coring Test and Submit Reports	15	07-Mar-17	24-Mar-17	09-Mar-17	27-Mar-17	0%	-2	22																								
LT.3110	BD's Acknowledgement	45	24-Mar-17	08-May-17	27-Mar-17	11-May-17	0%	-3	94																								
Excavation and Lateral Support																																	
Pipe Pile																																	
LT.0120	Pre-grouting Works at Seawall Area; Portions M15, M16, L01 and L16	40	05-Mar-16	26-Apr-16	05-Mar-16 A	08-Apr-16 A	100%	16																									
LT.0121	Pre-grouting Works at Portions L05, L07, M14b and M12	101	23-Apr-16	23-Aug-16	18-Apr-16 A	26-Jul-16 A	100%	25																									
LT.0122	Pipe Pile and Grout Curtain; Portions L04, L05, L14, L24, M14 and M14b (PP 443 nos and CPP 3 nos.)	215	21-May-16	08-Feb-17	12-Mar-16 A	12-Jan-17	42.6%	20	139																								

- ◆ Secondary Baseline
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

WEST KOWLOON CULTURAL DISTRICT AUTHORITY
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Date	Revision	Checked	Approved
29-Jul-16	For Information	R.L.	A.W.

Activity ID	Activity Name	Durn. (Days)	Programme Rev A Start	Programme Rev A Finish	Current / Actual Start	Current / Actual Finish	Physical % Complete	Finish Variance	Float (Days)	2016												2017											
										Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	23
LT.3030	Clutched Pipe Pile and Grout Curtain; Portions M14a, L16 and L01 (CPP 82 nos.)	89	25-Jun-16	12-Oct-16	07-Jul-16 A	31-Oct-16	12%	-17	74	[Gantt chart bars for LT.3030]																							
Sheet Piles																																	
LT.0124	Sheet Piles Installation in Portion L06; 1,472m2	32	21-Jun-16	28-Jul-16	07-Jun-16 A	25-Jul-16 A	100%	4		[Gantt chart bars for LT.0124]																							
LT.2945	Sheet Piles Installation in Portions L07 and M12; 1,640m2	35	29-Jul-16	07-Sep-16	04-Jul-16 A	31-Aug-16	20%	6	96	[Gantt chart bars for LT.2945]																							
LT.2950	Instrument Installation for Instrumental Sheet Pile	15	28-May-16	15-Jun-16	21-May-16 A	31-May-16 A	100%	13		[Gantt chart bars for LT.2950]																							
LT.2955	Drive Instrumental Sheet Pile and Report Submission	10	08-Jun-16	20-Jun-16	01-Jun-16 A	16-Jun-16 A	100%	4		[Gantt chart bars for LT.2955]																							
Contract Administrator's Instruction No. 8																																	
LT.3050	Pre-grouting Works adjacent Seawall Portion L03	21	17-Sep-16	13-Oct-16	17-Sep-16	13-Oct-16	0%	0	89	[Gantt chart bars for LT.3050]																							
LT.3060	Pipe Pile and Grout Curtain; Portion L02 (PP 21nos.)	20	13-Sep-16	07-Oct-16	03-Oct-16	26-Oct-16	0%	-15	78	[Gantt chart bars for LT.3060]																							
LT.3070	Clutched Pipe Pile and Grout Curtain; Portion L03 (CPP 104 nos. and PP 4 nos.)	125	14-Oct-16	15-Mar-17	01-Nov-16	01-Apr-17	0%	-15	74	[Gantt chart bars for LT.3070]																							
BA14																																	
LT.0126	Submission of BA14 for Stage 1 ELS Sheet Piling Works at Area 6	2	08-Sep-16	09-Sep-16	01-Sep-16	02-Sep-16	0%	6	96	[Gantt chart bars for LT.0126]																							
LT.0127	BD's Acknowledgement	14	09-Sep-16	23-Sep-16	02-Sep-16	16-Sep-16	0%	7	118	[Gantt chart bars for LT.0127]																							
LT.0128	Submission of BA14 for Stage 1 ELS Piling Works at Area 1 to 5	2	16-Mar-17	17-Mar-17	03-Apr-17	04-Apr-17	0%	-15	74	[Gantt chart bars for LT.0128]																							
LT.0129	BD's Acknowledgement	14	17-Mar-17	31-Mar-17	04-Apr-17	18-Apr-17	0%	-18	96	[Gantt chart bars for LT.0129]																							
Pumping Test																																	
LT.0131	Install Area 1 to Area 5 Pumping Test Instrumentation & Wells (16 PW + 32 OW) and Submission of Initial Readin	22	13-Jun-17	08-Jul-17	13-Jun-17	08-Jul-17	0%	0	12	[Gantt chart bars for LT.0131]																							
LT.0132	Carry Out Pumping Test in Area 1 to Area 5 and Submission to BD	20	09-Jul-17	28-Jul-17	09-Jul-17	28-Jul-17	0%	0	15	[Gantt chart bars for LT.0132]																							
LT.0133	Obtain BD's Acknowledgement of Area 1 to 5 Pumping Test Results	45	29-Jul-17	11-Sep-17	29-Jul-17	11-Sep-17	0%	0	32	[Gantt chart bars for LT.0133]																							
LT.0134	Install Area 6 Pumping Test Instrumentation & Wells (3 PW + 6 OW) and Submission of Initial Readings	21	07-Dec-16	04-Jan-17	14-Dec-16	11-Jan-17	0%	-6	2	[Gantt chart bars for LT.0134]																							
LT.0135	Carry Out Pumping Test in Area 6 and submission to BD	16	11-Jan-17	26-Jan-17	14-Jan-17	29-Jan-17	0%	-4	-1	[Gantt chart bars for LT.0135]																							
LT.0136	Obtain BD's Acknowledgement of Area 6 Pumping Test Results	45	26-Jan-17	12-Mar-17	30-Jan-17	15-Mar-17	0%	-4	-1	[Gantt chart bars for LT.0136]																							
Option Stage 2 ELS and Excavation Works at Area 6																																	
LT.0138	Bulk Excavation and Installation of Struts	102	25-Apr-17	26-Aug-17	27-Apr-17	29-Aug-17	0%	-3	-2	[Gantt chart bars for LT.0138]																							
LT.0139	Trim Pile Head and Clearance	27	26-Aug-17	27-Sep-17	29-Aug-17	29-Sep-17	0%	-3	10	[Gantt chart bars for LT.0139]																							
LT.3075	Submission of BA8 and BA10 for Bulk Excavation Works	35	14-Mar-17	18-Apr-17	18-Mar-17	21-Apr-17	0%	-4	-1	[Gantt chart bars for LT.3075]																							
LT.3080	Installation of Temporary Platform	22	18-Apr-17	16-May-17	21-Apr-17	19-May-17	0%	-4	-1	[Gantt chart bars for LT.3080]																							
BA14 for Option Stage 2 ELS and Excavation Works at Area 6																																	
LT.0141	Submission of BA14 for Stage 2 ELS and Excavation Works at Area 6	2	26-Aug-17	29-Aug-17	29-Aug-17	31-Aug-17	0%	-3	-2	[Gantt chart bars for LT.0141]																							
LT.0142	BD's Acknowledgement	45	28-Aug-17	12-Oct-17	01-Sep-17	15-Oct-17	0%	-4	-2	[Gantt chart bars for LT.0142]																							

- Secondary Baseline
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29-Jul-16	For Information	R.L.	A.W.

C. Environmental Mitigation Measures – Implementation Status

Table C-1: Environmental Mitigation Measures Implementation Status

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
Air Quality Impact (Construction)							
2.1 & 10.3.1	<p>General Dust Control Measures</p> <p>Frequent water spraying for active construction areas (12 times a day or once every one hour), including Heavy construction activities such as construction of buildings or roads, drilling, ground excavation, cut and fill operations (i.e., earth moving)</p>	Rem	Rem	✓	✓	Rem/Obs	Obs
2.1 & 10.3.1	<p>Best Practice For Dust Control</p> <p>The relevant best practices for dust control as stipulated in the Air Pollution Control (construction Dust) Regulation should be adopted to further reduce the construction dust impacts from the Project. These best practices include:</p> <p><i>Good Site Management</i></p> <ul style="list-style-type: none"> Good site management is important to help reducing potential air quality impact down to an acceptable level. As a general guide, the Contractor should maintain high standard of housekeeping to prevent emission of fugitive dust. Loading, unloading, handling and storage of raw materials, wastes or by-products should be carried out in a manner so as to minimise the release of visible dust emission. Any piles of materials accumulated on or around the work areas should be cleaned up regularly. Cleaning, repair and maintenance of all plant facilities within the work areas should be carried out in a manner minimising generation of fugitive dust emissions. The material should be handled properly to prevent fugitive dust emission before cleaning. <p><i>Disturbed Parts of the Roads</i></p> <ul style="list-style-type: none"> Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials; or Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet. <p><i>Exposed Earth</i></p> <ul style="list-style-type: none"> Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or seeding 	✓	✓	✓	Rem	✓	Obs
		✓	✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
	with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies.	N/A	N/A	N/A	N/A	N/A	N/A
	<i>Loading, Unloading or Transfer of Dusty Materials</i>	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> All dusty materials should be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet. 						
	<i>Debris Handling</i>	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides. Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped. 	✓	✓	✓	✓	✓	✓
	<i>Transport of Dusty Materials</i>	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards. 	✓	✓	✓	✓	✓	✓
	<i>Wheel washing</i>	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels. 	✓	✓	✓	✓	✓	✓
	<i>Use of vehicles</i>	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels. Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle. 	✓	✓	✓	✓	✓	✓
	<i>Site hoarding</i>	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of 	✓	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
	the site boundary except for a site entrance or exit.						
2.1 & 10.3.1	<p>Best Practicable Means for Cement Works (Concrete Batching Plant)</p> <p>The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant) BPM 3/2(93) should be followed and implemented to further reduce the construction dust impacts of the Project. These best practices include:</p> <p>Exhaust from Dust Arrestment Plant</p> <ul style="list-style-type: none"> Wherever possible the final discharge point from particulate matter arrestment plant, where is not necessary to achieve dispersion from residual pollutants, should be at low level to minimise the effect on the local community in the case of abnormal emissions and to facilitate maintenance and inspection <p>Emission Limits</p> <ul style="list-style-type: none"> All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke <p>Engineering Design/Technical Requirements</p> <ul style="list-style-type: none"> As a general guidance, the loading, unloading, handling and storage of fuel, raw materials, products, wastes or by-products should be carried out in a manner so as to prevent the release of visible dust and/or other noxious or offensive emissions 	✓	✓	✓	✓	✓	✓
-	<p>Non-Road Mobile Machinery (NRMM):</p> <p>All NRMMs operating on-site which are subject to emission control of Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation are approved/exempted (as the case may be) and affixed with the requisite approval/exemption labels.</p>	✓	✓	✓	✓	✓	✓
Noise Impact (Construction)							
3.1 & 10.4.1	<p>Good Site Practice</p> <p>Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:</p> <ul style="list-style-type: none"> only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works; 	✓	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
	<ul style="list-style-type: none"> ▪ machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum; ▪ plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs; ▪ mobile plant should be sited as far away from NSRs as possible; and ▪ material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities. 	✓	✓	✓	✓	✓	✓
3.1 & 10.4.1	<p>Adoption of Quieter PME</p> <p>The recommended quieter PME adopted in the assessment were taken from the EPD's QPME Inventory and "Sound Power Levels of Other Commonly Used PME" are presented in Table 4.26 in the EIA report. It should be noted that the silenced PME selected for assessment can be found in Hong Kong.</p>	N/A	N/A	N/A	N/A	N/A	N/A
3.1 & 10.4.1	<p>Use of Movable Noise Barriers</p> <p>Movable noise barriers can be very effective in screening noise from particular items of plant when constructing the Project. Noise barriers located along the active works area close to the noise generating component of a PME could produce at least 10 dB(A) screening for stationary plant and 5 dB(A) for mobile plant provided the direct line of sight between the PME and the NSRs is blocked.</p>	✓	✓	✓	✓	✓	✓
3.1 & 10.4.1	<p>Use of Noise Enclosure/ Acoustic Shed</p> <p>The use of noise enclosure or acoustic shed is to cover stationary PME such as air compressor and concrete pump. With the adoption of the noise enclosure, the PME could be completely screened, and noise reduction of 15 dB(A) can be achieved according to the EIAO Guidance Note No.9/2010.</p>	N/A	N/A	N/A	N/A	N/A	N/A
3.1 & 10.4.1	<p>Use of Noise Insulating Fabric</p> <p>Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, piling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR-127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.</p>	✓	Obs	✓	✓	✓	✓
3.1 & 10.4.1	<p>Scheduling of Construction Works outside School Examination Periods</p> <p>During construction phase, the contractor should liaise with the educational institutions (including NSRs LCS and CRGPS) to obtain the examination schedule and avoid the noisy construction activities during school examination periods.</p>	N/A	N/A	N/A	N/A	N/A	N/A
Water Quality Impact (Construction)							

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
4.1 & 10.5.1	<p>Construction site runoff and drainage</p> <p>The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended to protect water quality and sensitive uses of the coastal area, and when properly implemented should be sufficient to adequately control site discharges so as to avoid water quality impacts:</p> <ul style="list-style-type: none"> At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the WKCDA's Contractor prior to the commencement of construction; Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the WKCDA's Contractor prior to the commencement of construction. All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit should be regularly removed, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times. Measures should be taken to minimize the ingress of site drainage into excavations. If excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from foundation excavations should be discharged into storm drains via silt removal facilities. All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facility should be provided at construction site exit where practicable. Wash-water should have sand and silt settled out and removed regularly to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains. Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin 	Rem	Obs	Obs	✓	Obs	Rem
		✓	✓	✓	✓	Obs	Obs
		Rem/ Obs	Rem/ Obs	Rem/ Obs	✓	✓	✓
		✓	✓	✓	✓	✓	✓
		Obs	Obs	Rem	Obs	✓	Rem

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
	or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.	✓	Obs	Obs	✓	✓	✓
	<ul style="list-style-type: none"> Manholes (including newly constructed ones) should be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and stormwater runoff being directed into foul sewers. 	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> Precautions should be taken at any time of the year when rainstorms are likely. Actions should be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC Note PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes. 	✓	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> Bentonite slurries used in piling or slurry walling should be reconditioned and reused wherever practicable. Temporary enclosed storage locations should be provided on-site for any unused bentonite that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC Note PN 1/94 should be adhered to in the handling and disposal of bentonite slurries. 	N/A	N/A	N/A	N/A	N/A	N/A
	Barging facilities and activities						
	Recommendations for good site practices during operation of the proposed barging point include:						
	<ul style="list-style-type: none"> All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; 	N/A	N/A	N/A	N/A	N/A	N/A
	<ul style="list-style-type: none"> Loading of barges and hoppers should be controlled to prevent splashing of material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation; 	N/A	N/A	N/A	N/A	N/A	N/A
	<ul style="list-style-type: none"> All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; and 	N/A	N/A	N/A	N/A	N/A	N/A
	<ul style="list-style-type: none"> Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site. 	N/A	N/A	N/A	N/A	N/A	N/A
4.1 & 10.5.1	Sewage effluent from construction workforce						
	Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	✓	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
4.1 & 10.5.1	General construction activities <ul style="list-style-type: none"> ▪ Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used. ▪ Oils and fuels should only be stored in designated areas which have pollution prevention facilities. To prevent spillage of fuels and solvents to any nearby storm water drain, all fuel tanks and storage areas should be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event. 	✓	Obs	Obs	✓	✓	✓
		Obs	Obs	Obs	Obs/Rem	Obs	Obs/Rem
Waste Management Implications (Construction)							
6.1 & 10.7.1	Good Site Practices Recommendations for good site practices during the construction activities include: <ul style="list-style-type: none"> ▪ Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site ▪ Training of site personnel in proper waste management and chemical handling procedures ▪ Provision of sufficient waste disposal points and regular collection of waste ▪ Appropriate measures to minimise windblown litter and dust/odour during transportation of waste by either covering trucks or by transporting wastes in enclosed containers ▪ Provision of wheel washing facilities before the trucks leaving the works area so as to minimise dust introduction to public roads ▪ Well planned delivery programme for offsite disposal such that adverse environmental impact from transporting the inert or non-inert C&D materials is not anticipated 	✓	✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓	✓
		✓	Obs	Obs	✓	✓	✓
		✓	✓	✓	✓	✓	✓
		Obs	✓	✓	Obs	✓	✓
		✓	✓	✓	✓	✓	✓
6.1 & 10.7.1	Waste Reduction Measures Recommendations to achieve waste reduction include: <ul style="list-style-type: none"> ▪ Sort inert C&D material to recover any recyclable portions such as metals ▪ Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal 	✓	✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
	<ul style="list-style-type: none"> ▪ Encourage collection of recyclable waste such as waste paper and aluminium cans by providing separate labelled bins to enable such waste to be segregated from other general refuse generated by the work force ▪ Proper site practices to minimise the potential for damage or contamination of inert C&D materials ▪ Plan the use of construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste 	✓	✓	✓	✓	✓	✓
6.1 & 10.7.1	<p>Inert and Non-inert C&D Materials</p> <p>In order to minimise impacts resulting from collection and transportation of inert C&D material for off-site disposal, the excavated materials should be reused on-site as fill material as far as practicable. In addition, inert C&D material generated from excavation works could be reused as fill materials in local projects that require public fill for reclamation.</p> <ul style="list-style-type: none"> ▪ The surplus inert C&D material will be disposed of at the Government's PFRFs for beneficial use by other projects in Hong Kong. ▪ Liaison with the CEDD Public Fill Committee (PFC) on the allocation of space for disposal of the inert C&D materials at PFRF is underway. No construction work is allowed to proceed until all issues on management of inert C&D materials have been resolved and all relevant arrangements have been endorsed by the relevant authorities including PFC and EPD. ▪ The C&D materials generated from general site clearance should be sorted on site to segregate any inert materials for reuse or disposal of at PFRFs whereas the non-inert materials will be disposed of at the designated landfill site. ▪ In order to monitor the disposal of inert and non-inert C&D materials at respectively PFRFs and the designated landfill site, and to control fly-tipping, it is recommended that the Contractor should follow the Technical Circular (Works) No.6/2010 for Trip Ticket System for Disposal of Construction & Demolition Materials issued by Development Bureau. In addition, it is also recommended that the Contractor should prepare and implement a Waste Management Plan detailing their various waste arising and waste management practices in accordance with the relevant requirements of the Technical Circular (Works) No. 19/2005 Environmental Management on Construction Site. 	✓	✓	✓	✓	✓	✓
6.1 &	Chemical Waste						

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
10.7.1	<ul style="list-style-type: none"> If chemical wastes are produced at the construction site, the Contractor will be required to register with the EPD as a chemical waste producer and to follow the guidelines stated in the "Code of Practice on the Packaging Labelling and Storage of Chemical Wastes". Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor should use a licensed collector to transport and dispose of the chemical wastes at the approved Chemical Waste Treatment Centre or other licensed recycling facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation. Potential environmental impacts arising from the handling activities (including storage, collection, transportation and disposal of chemical waste) are expected to be minimal with the implementation of appropriate mitigation measures as recommended. 	Obs	Obs/Rem	Obs	Obs/Rem	Rem	Obs/Rem
		✓	✓	✓	✓	✓	✓
6.1 & 10.7.1	<p>General Refuse</p> <p>General refuse should be stored in enclosed bins or compaction units separated from inert C&D materials. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from inert C&D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.</p>	✓	✓	✓	✓	Rem	✓
Land Contamination (Construction)							
7.1 & 10.8.1	<p>The potential for land contamination issues at the TST Fire Station due to its future relocation will be confirmed by site investigation after land acquisition. Where necessary, mitigation measures for minimising potential exposure to contaminated materials (if any) or remediation measures will be identified. If contaminated land is identified (e.g., during decommissioning of fuel oil storage tanks) after the commencement of works, mitigation measures are proposed in order to minimise the potentially adverse effects on the health and safety of construction workers and impacts arising from the disposal of potentially contaminated materials.</p> <p>The following measures are proposed for excavation and transportation of contaminated material:</p> <ul style="list-style-type: none"> To minimize the chance for construction workers to come into contact with any contaminated materials, bulk earth-moving excavation equipment should be employed; Contact with contaminated materials can be minimised by wearing appropriate clothing and personal protective equipment such as gloves and masks (especially when interacting directly with contaminated 						
		N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
	material), provision of washing facilities and prohibition of smoking and eating on site;						
	<ul style="list-style-type: none"> ▪ Stockpiling of contaminated excavated materials on site should be avoided as far as possible; ▪ The use of contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out; ▪ Vehicles containing any contaminated excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater; ▪ Truck bodies and tailgates should be sealed to stop any discharge; ▪ Only licensed waste haulers should be used to collect and transport contaminated material to treatment/disposal site and should be equipped with tracking system to avoid fly tipping; ▪ Speed control for trucks carrying contaminated materials should be exercised; ▪ Observe all relevant regulations in relation to waste handling, such as Waste Disposal Ordinance (Cap 354), Waste Disposal (Chemical Waste) (General) Regulation (Cap 354) and obtain all necessary permits where required; and ▪ Maintain records of waste generation and disposal quantities and disposal arrangements. 	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A
Ecological Impact (Construction)							
	No mitigation measure is required.						
Landscape and Visual Impact (Construction)							
Table 9.1 & 10.8 (CM1)	Trees should be retained in situ on site as far as possible. Should tree removal be unavoidable due to construction impacts, trees will be transplanted or felled with reference to the stated criteria in the Tree Removal Applications to be submitted to relevant government departments for approval in accordance to ETWB TCW No. 29/2004 and 3/2006.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM2)	Compensatory tree planting shall be incorporated to the proposed project and maximize the new tree, shrubs and other vegetation planting to compensate tree felled and vegetation removed. Also, implementation of compensatory planting should be of a ratio not less than 1:1 in terms of quality and quantity within the site.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM3)	Buffer trees for screening purposes to soften the hard architectural and engineering structures and facilities.	N/A	N/A	N/A	N/A	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
Table 9.1 & 10.8 (CM4)	Softscape treatments such as vertical green wall panel /planting of climbing and/or weeping plants, etc, to maximize the green coverage and soften the hard architectural and engineering structures and facilities.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM5)	Roof greening by means of intensive and extensive green roof to maximize the green coverage and improve aesthetic appeal and visual quality of the building/structure.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM6)	Sensitive streetscape design should be incorporated along all new roads and streets.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM7)	Structure, ornamental planting shall be provided along amenity strips to enhance the landscape quality.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 & 10.8 (CM8)	Landscape design shall be incorporated to architectural and engineering structures in order to provide aesthetically pleasing designs.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.1 (CM9)	Minimize the structure of marine facilities to built on the seabed and foreshore in order to minimize the affected extent to the waterbody	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP1)	Use of decorative screen hoarding/boards	✓	✓	✓	✓	✓	✓
Table 9.2 & 10.9 (MCP2)	Early introduction of landscape treatments	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP3)	Adoption of light colour for the temporary ventilation shafts for the basement during the transition period.	N/A	N/A	N/A	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP4)	Control of night time lighting	✓	✓	✓	✓	✓	✓

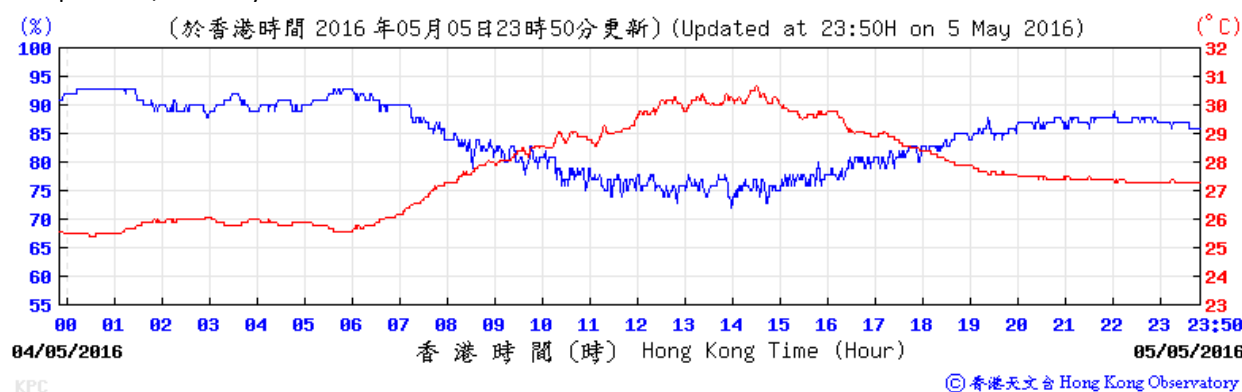
EM&A Ref.	Recommendation Measures	Implementation Stage					
		M+ Museum			Lyric Theatre Complex		
		May 2016	Jun 2016	Jul 2016	May 2016	Jun 2016	Jul 2016
Table 9.2 & 10.9 (MCP5)	Use of greenery such as grass cover for the temporary open areas will help achieve the visual balance and soften the hard edges of the structures.	N/A	N/A	N/A	N/A	N/A	N/A

- N/A - Not Applicable
- ✓ - Implemented
- Obs - Observed
- Rem - Reminder

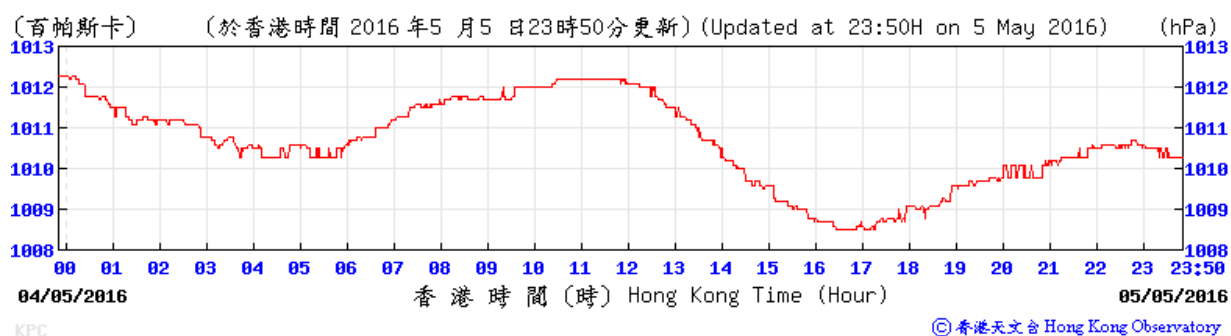
D. Meteorological Data Extracted from Hong Kong Observatory

Table D-1: Extract of Meteorological Observations for King's Park Automatic Weather Station in the reporting quarter

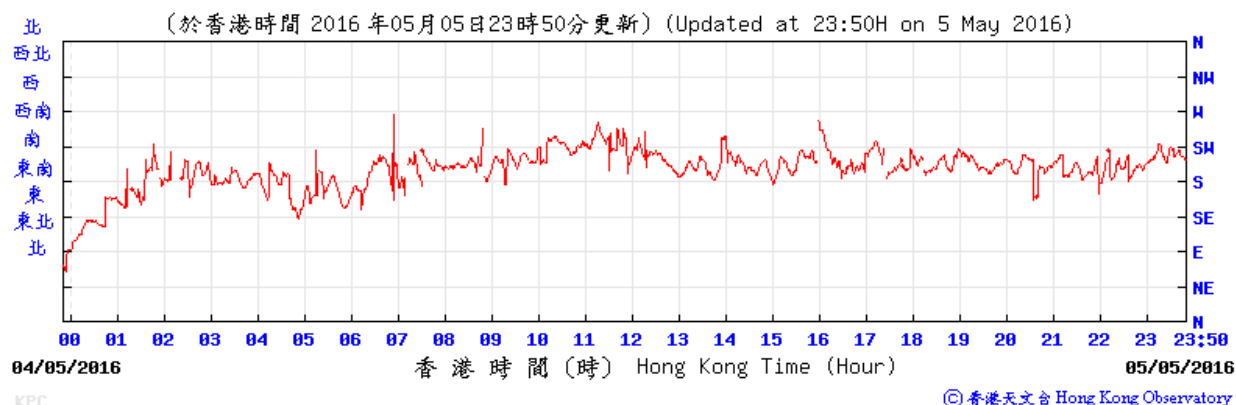
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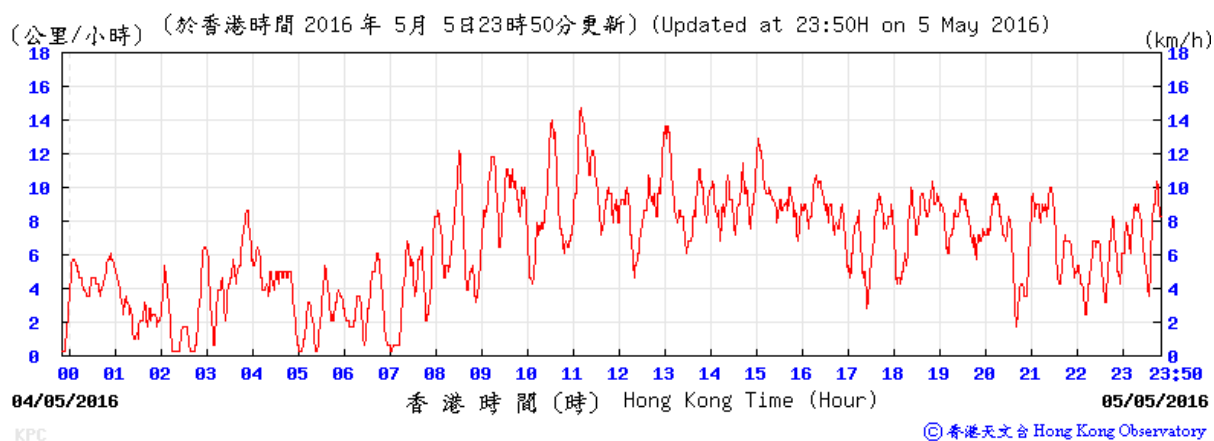
Pressure:



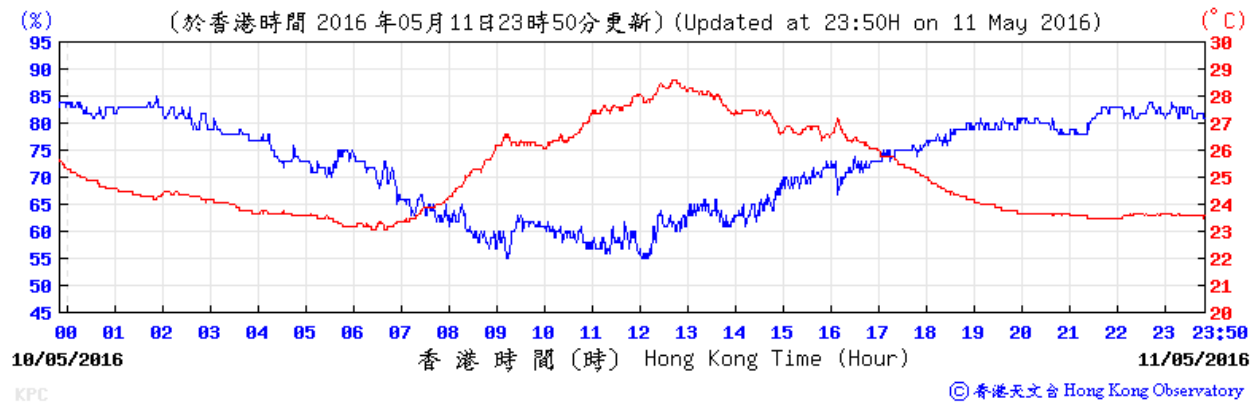
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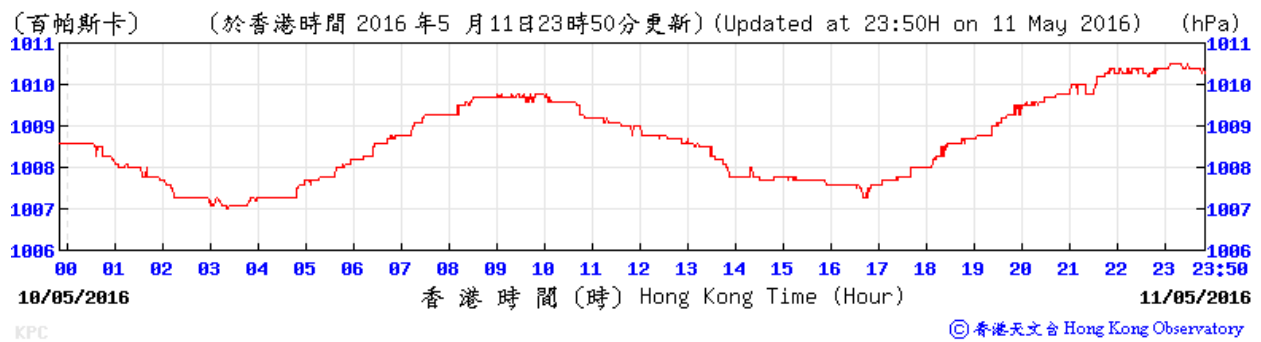
Wind Speed:



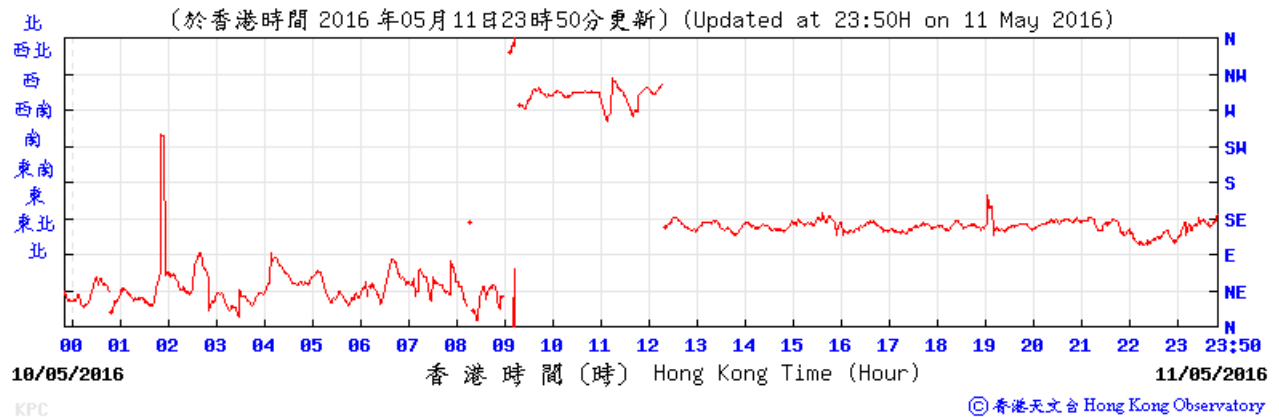
Temperature/Humidity:



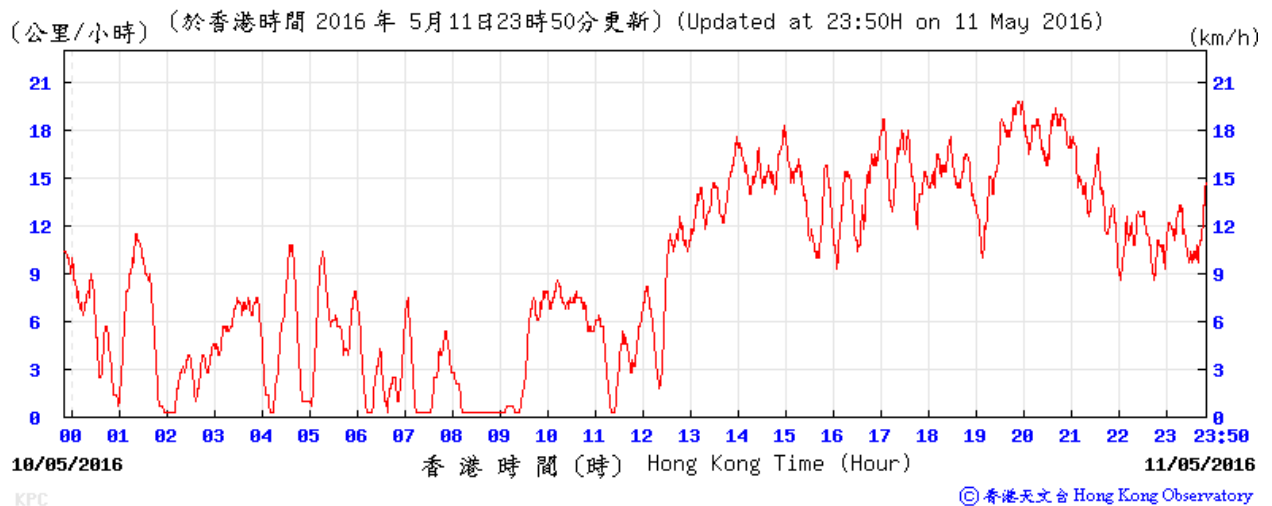
Pressure:



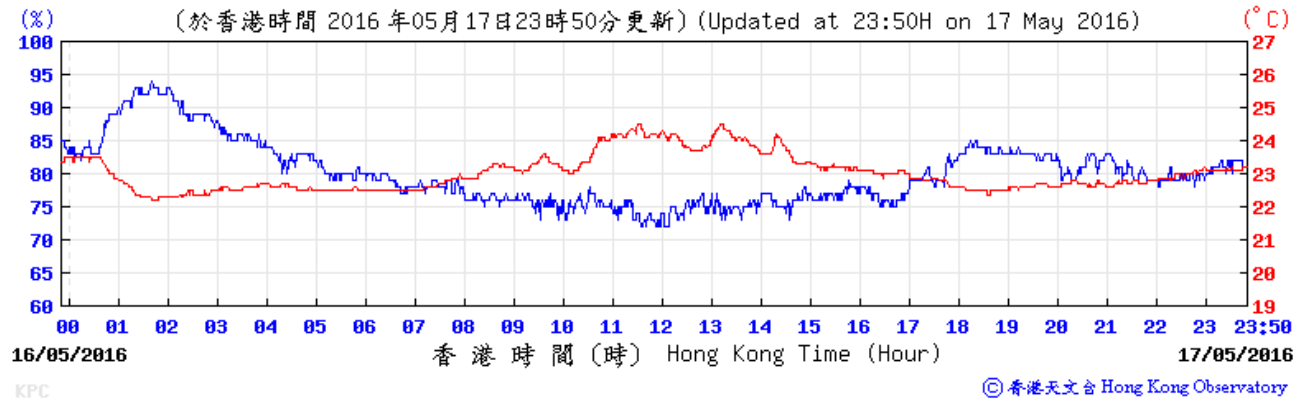
Wind Direction:



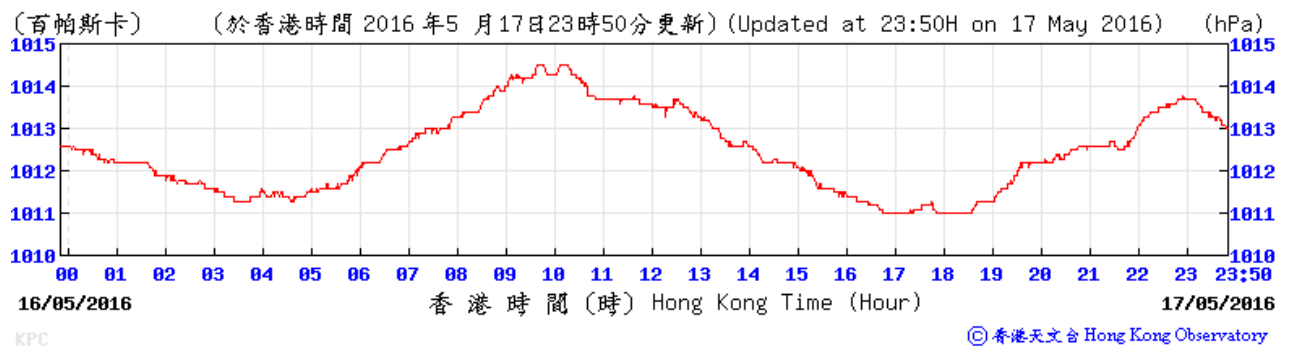
Wind Speed:



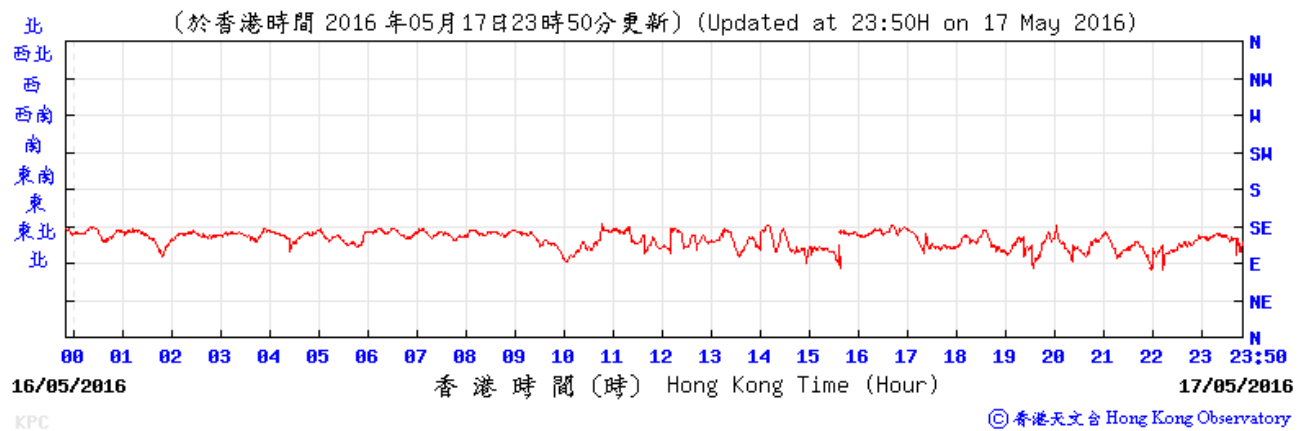
Temperature/Humidity:



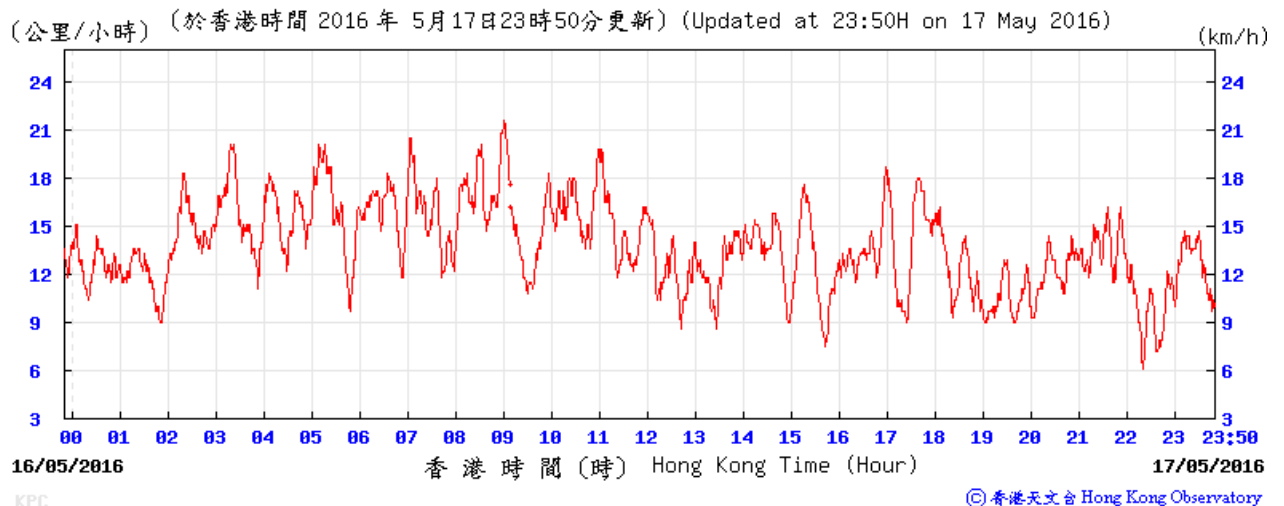
Pressure:



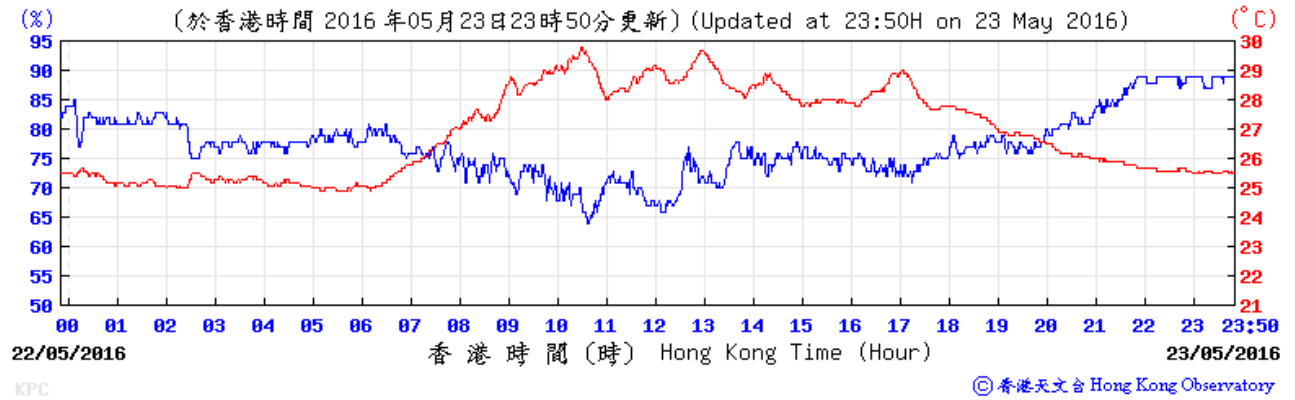
Wind Direction:



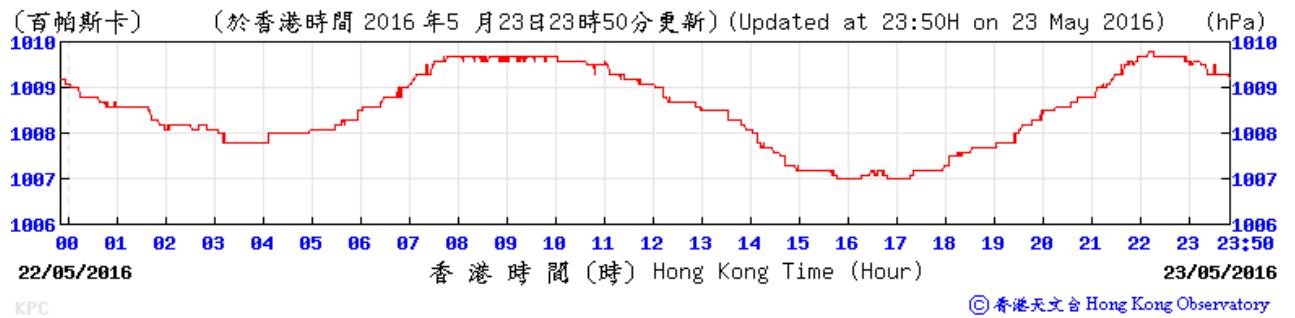
Wind Speed:



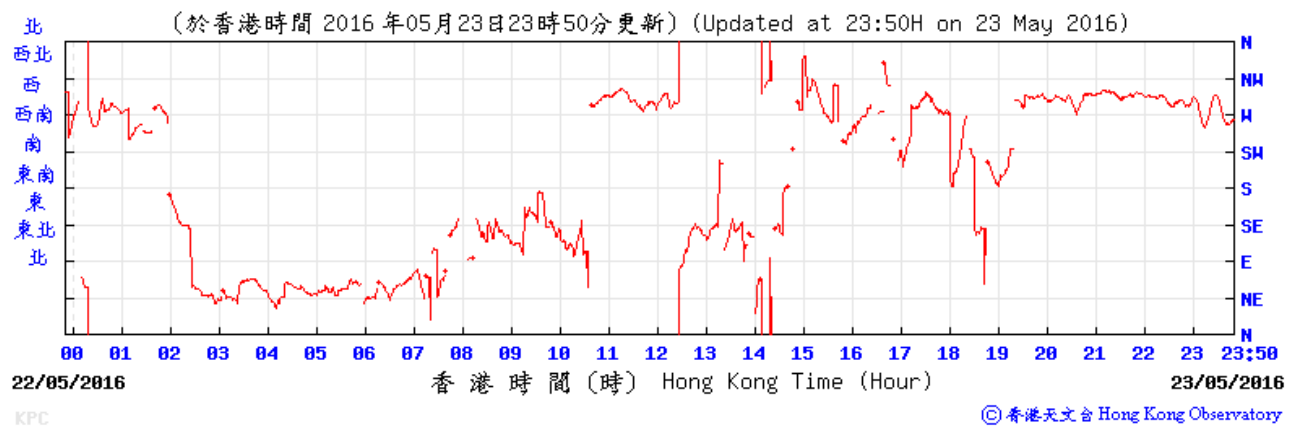
Temperature/Humidity:



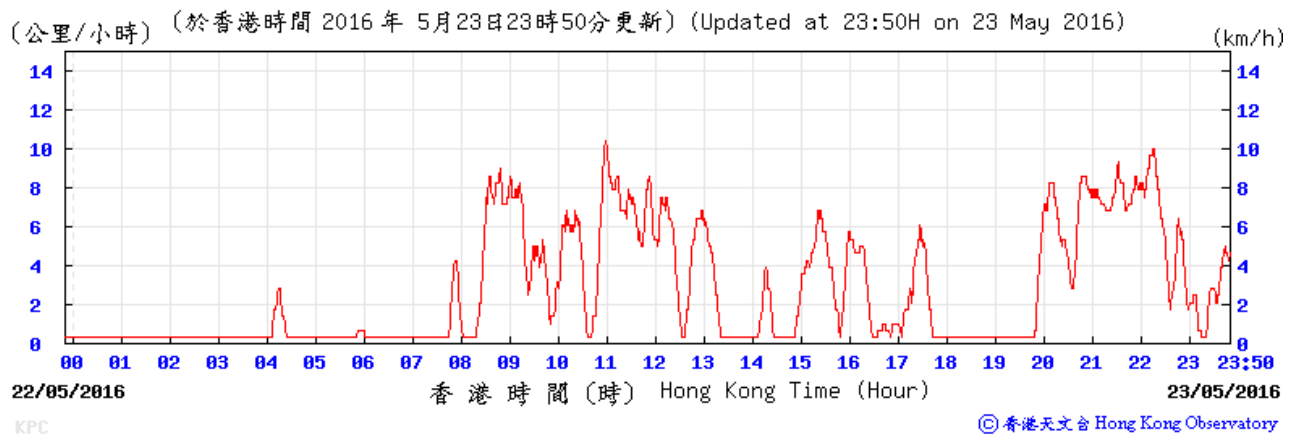
Pressure:



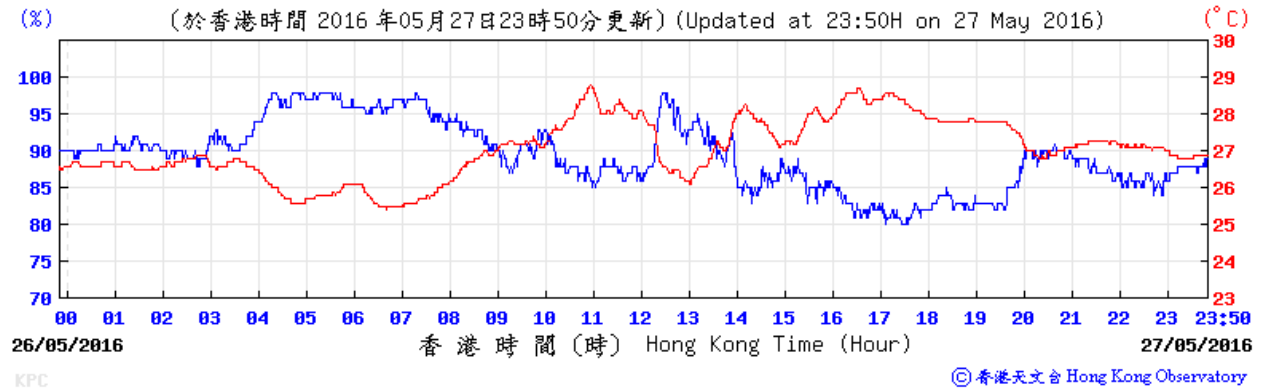
Wind Direction:



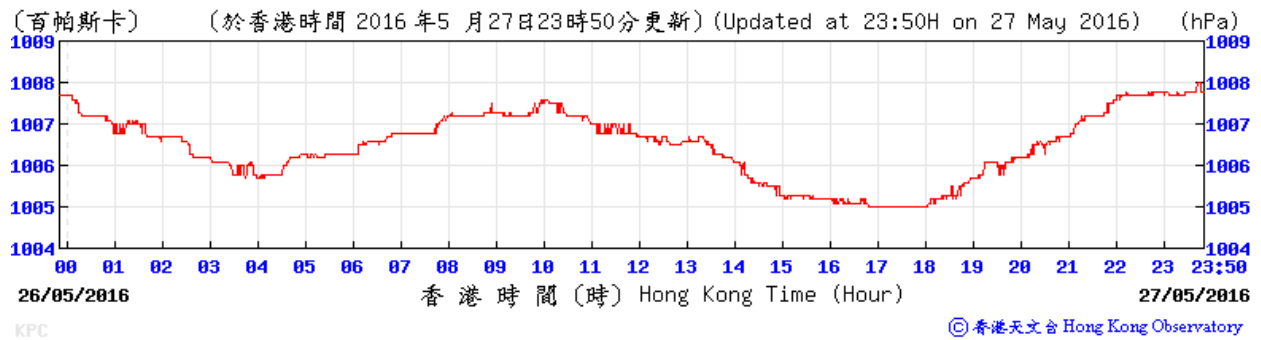
Wind Speed:



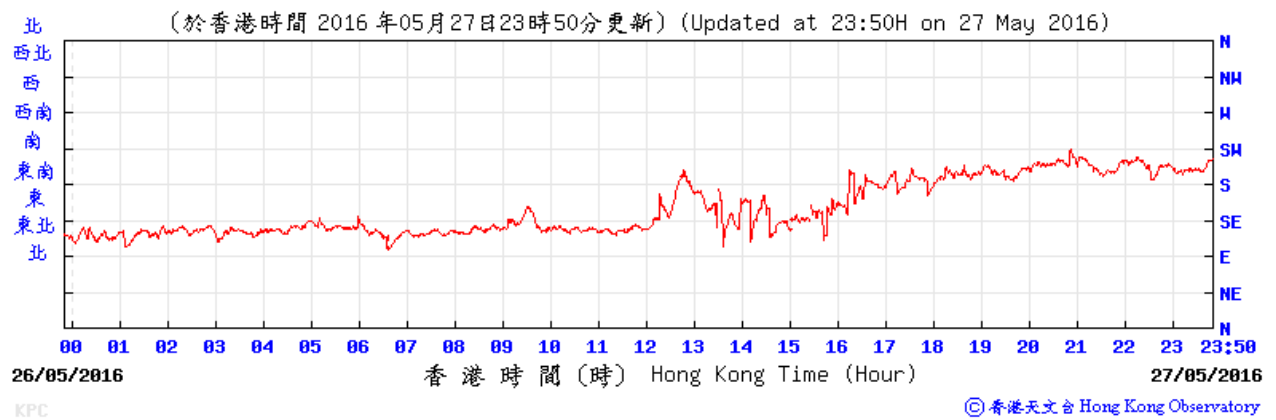
Temperature/Humidity:



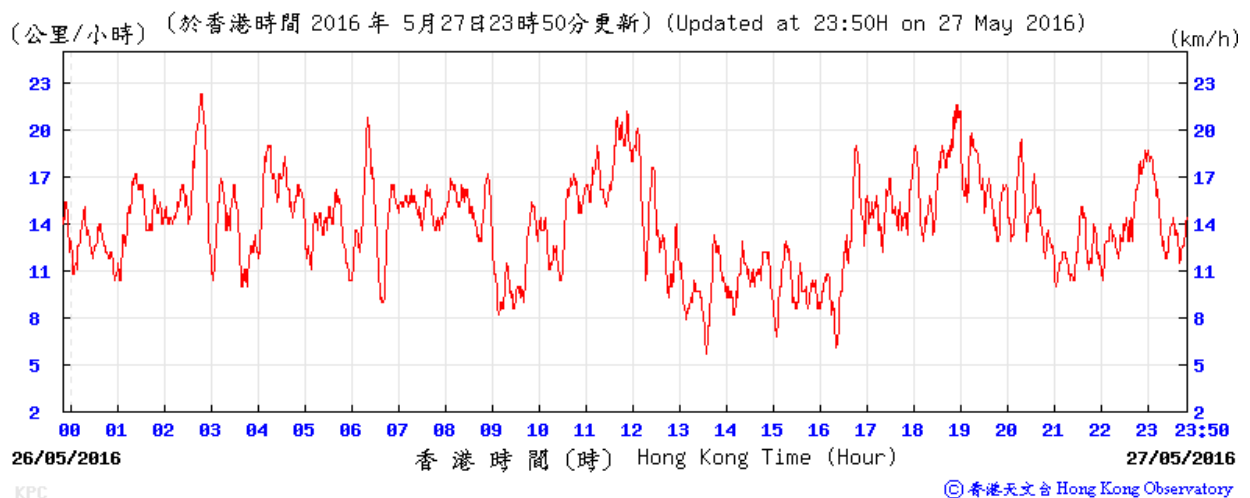
Pressure:



Wind Direction:

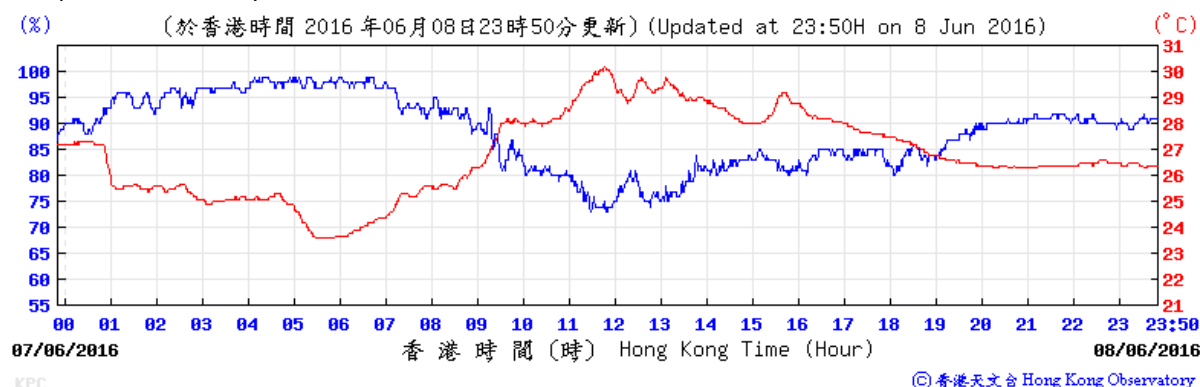


Wind Speed:

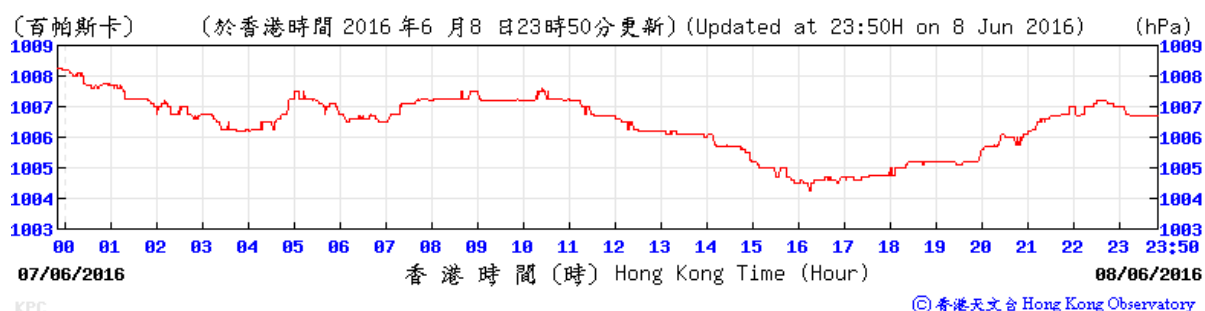


Meteorological data for 2/6/2016 is not available.

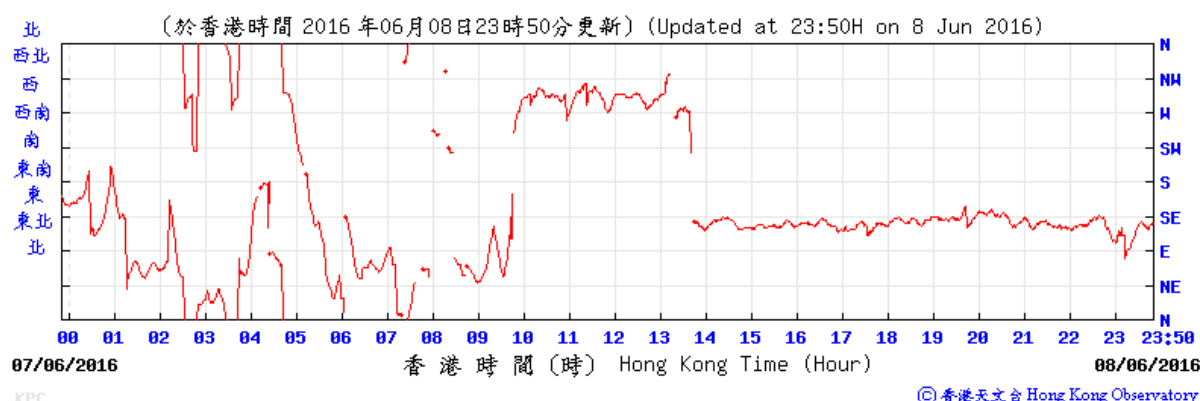
Temperature/Humidity:



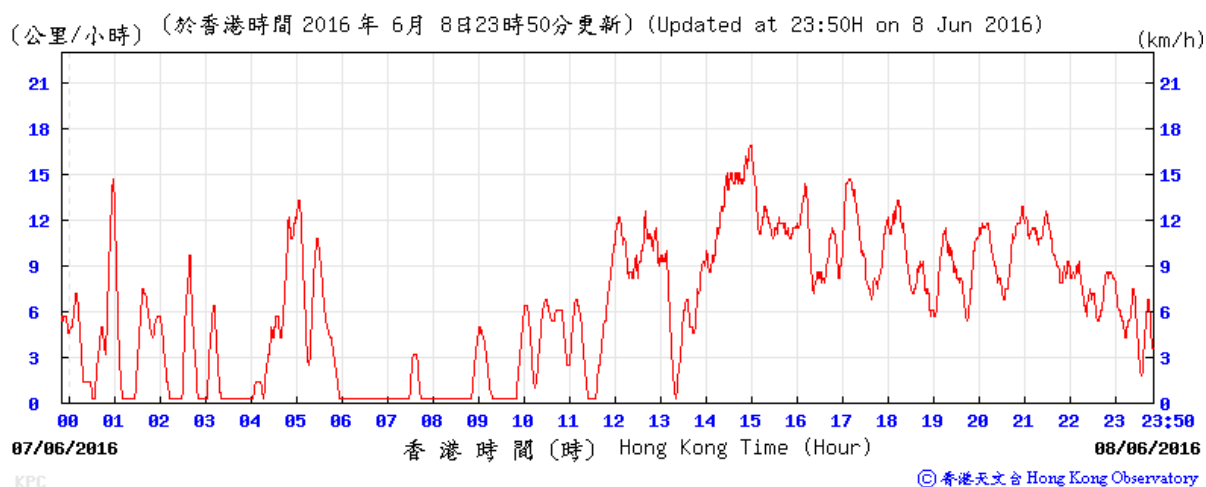
Pressure:



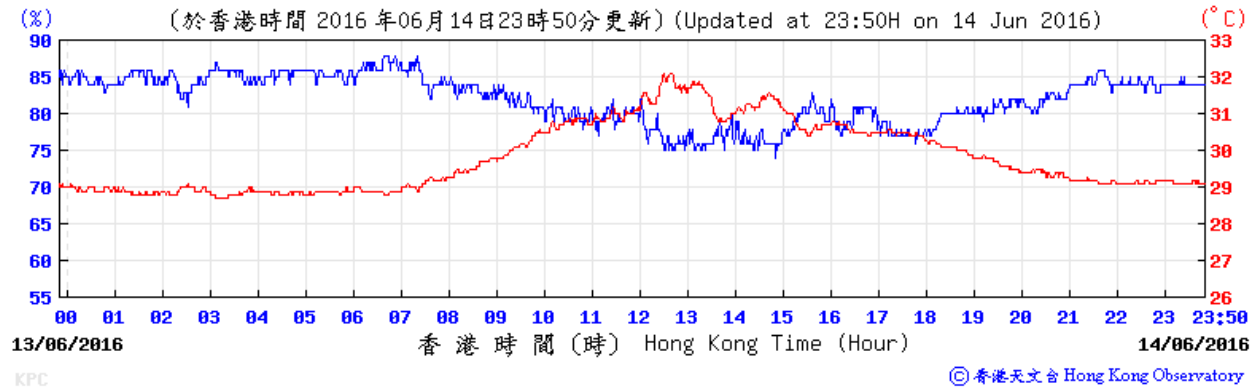
Wind Direction:



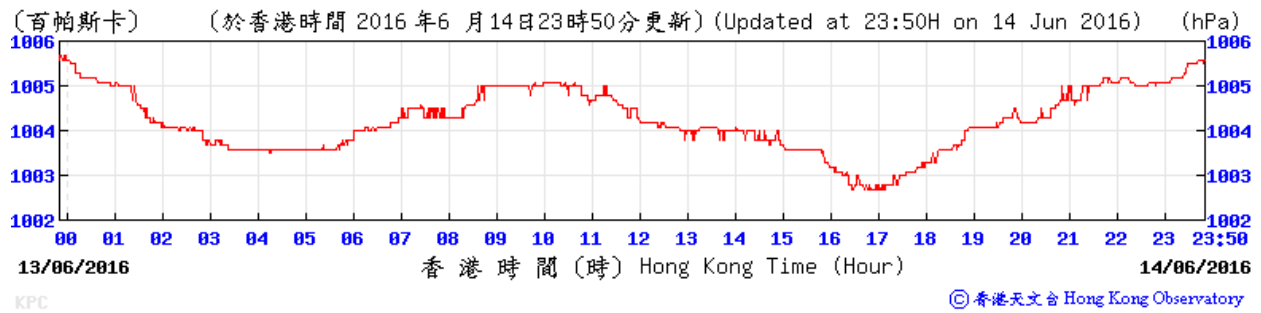
Wind Speed:



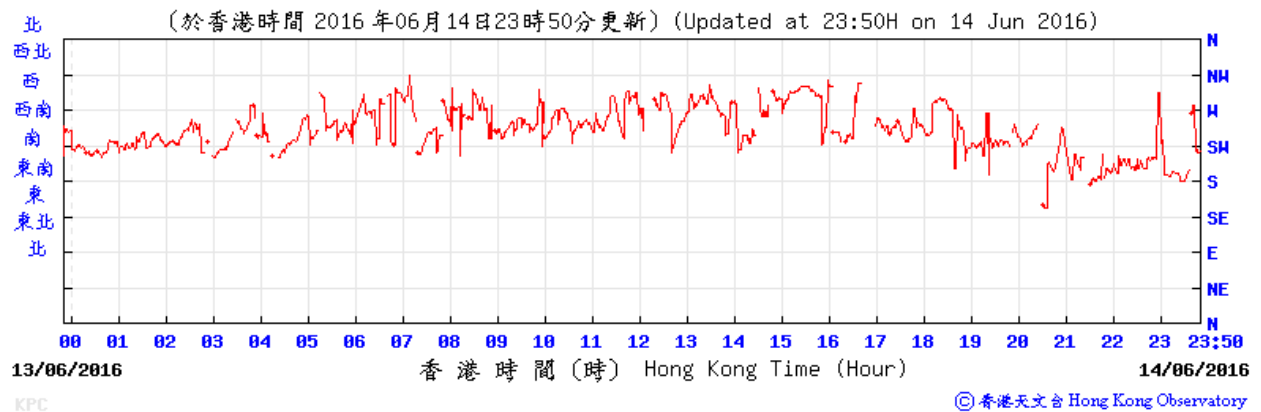
Temperature/Humidity:



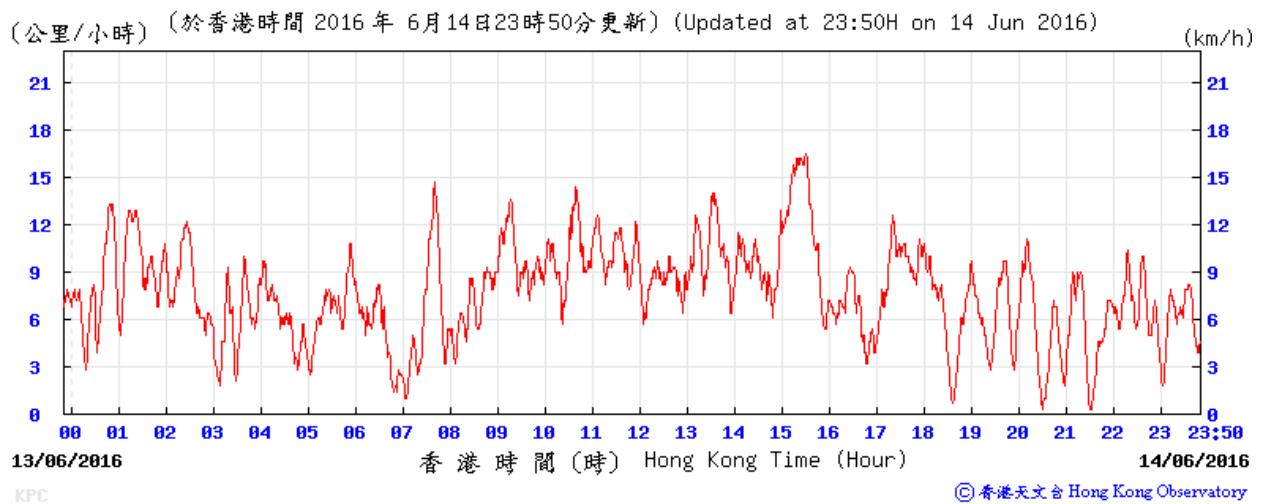
Pressure:



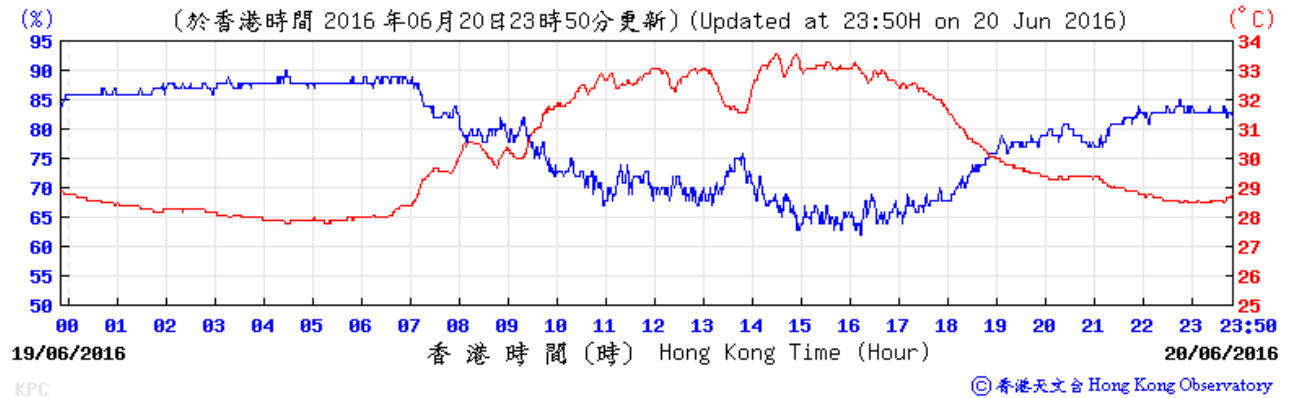
Wind Direction:



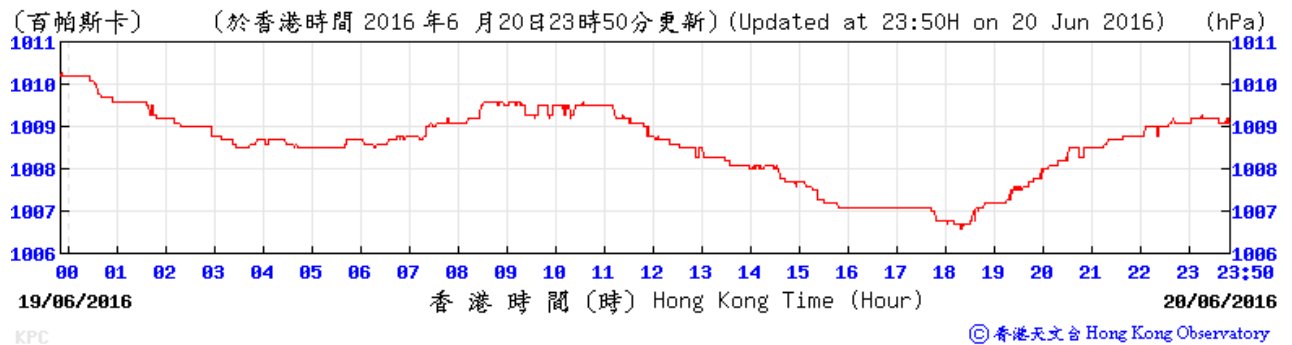
Wind Speed:



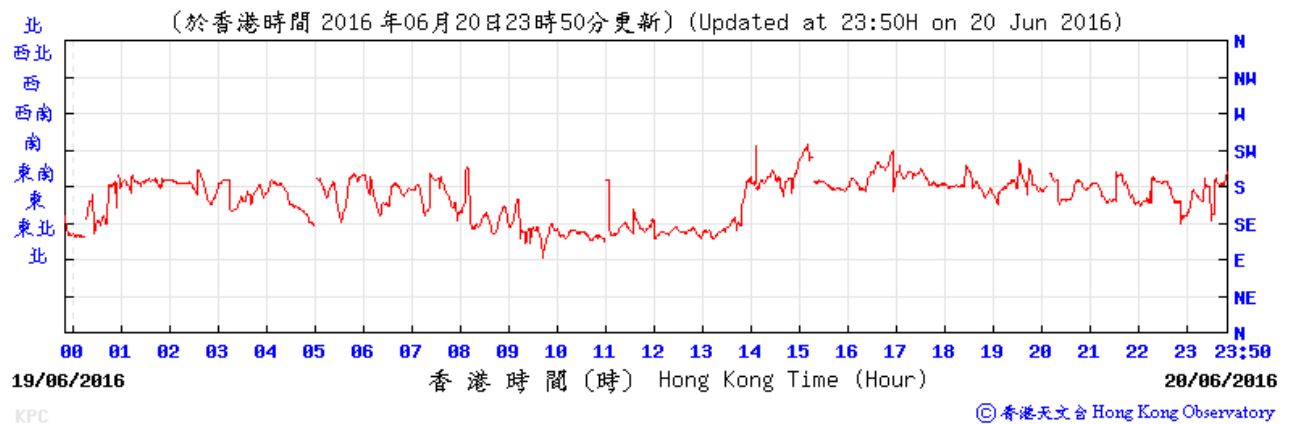
Temperature/Humidity:



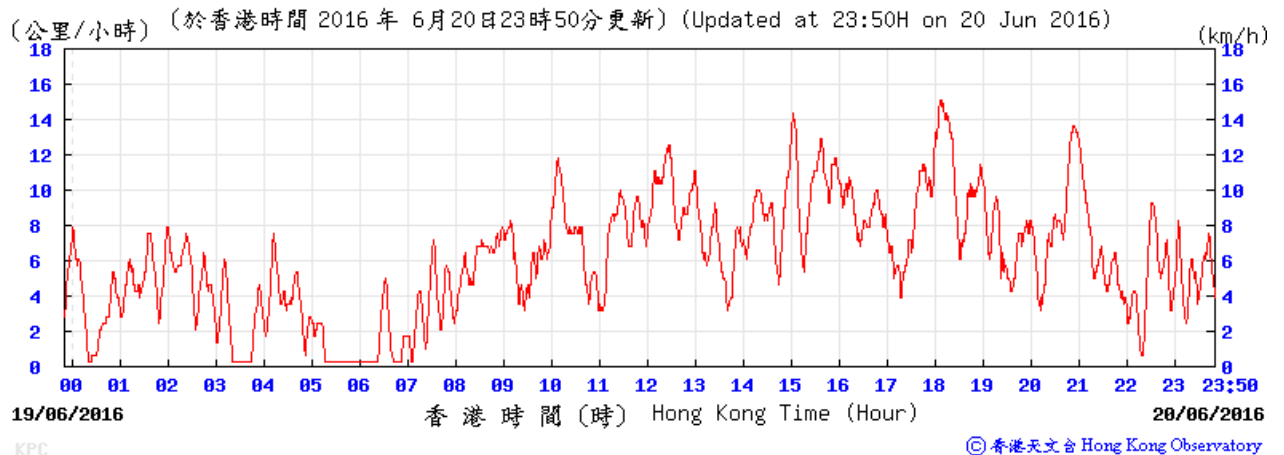
Pressure:



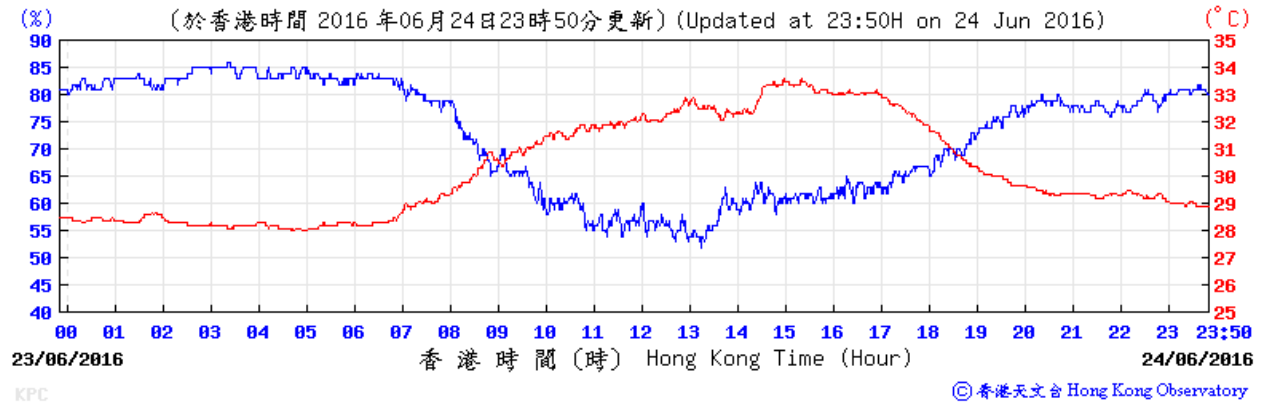
Wind Direction:



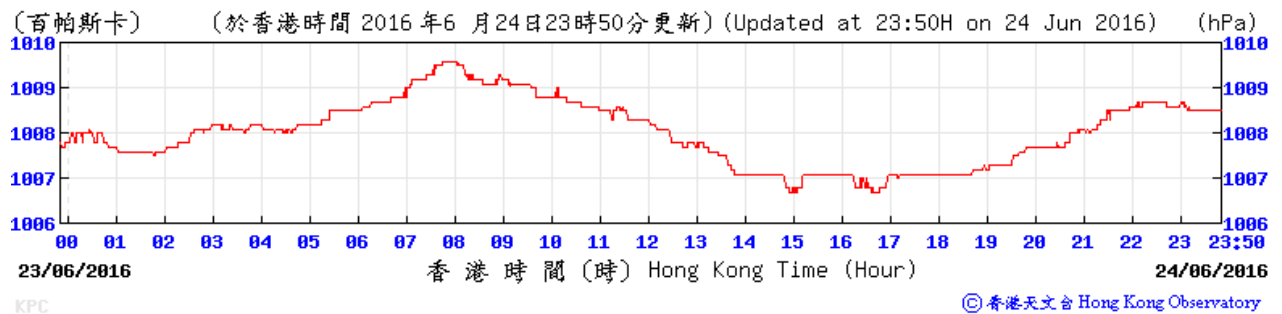
Wind Speed:



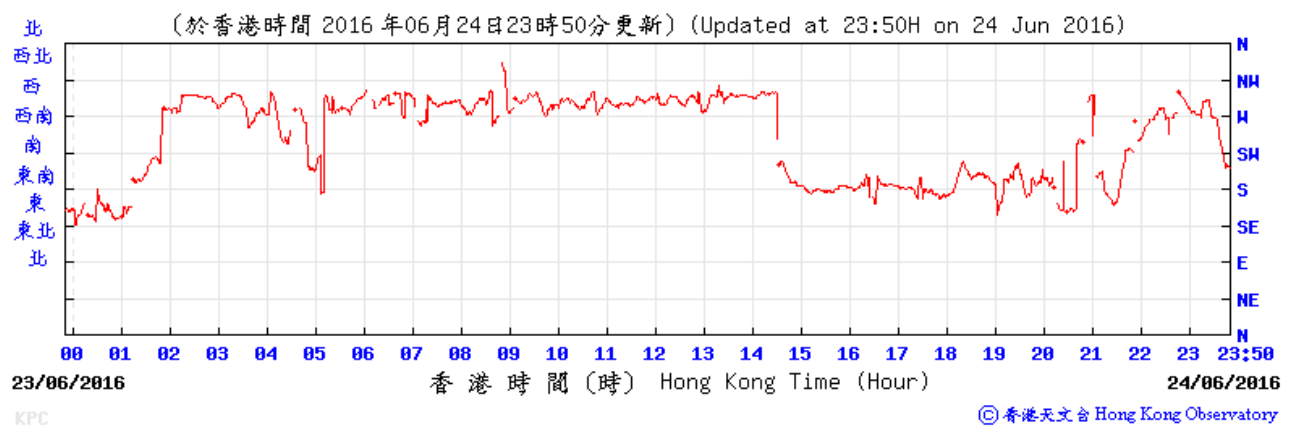
Temperature/Humidity:



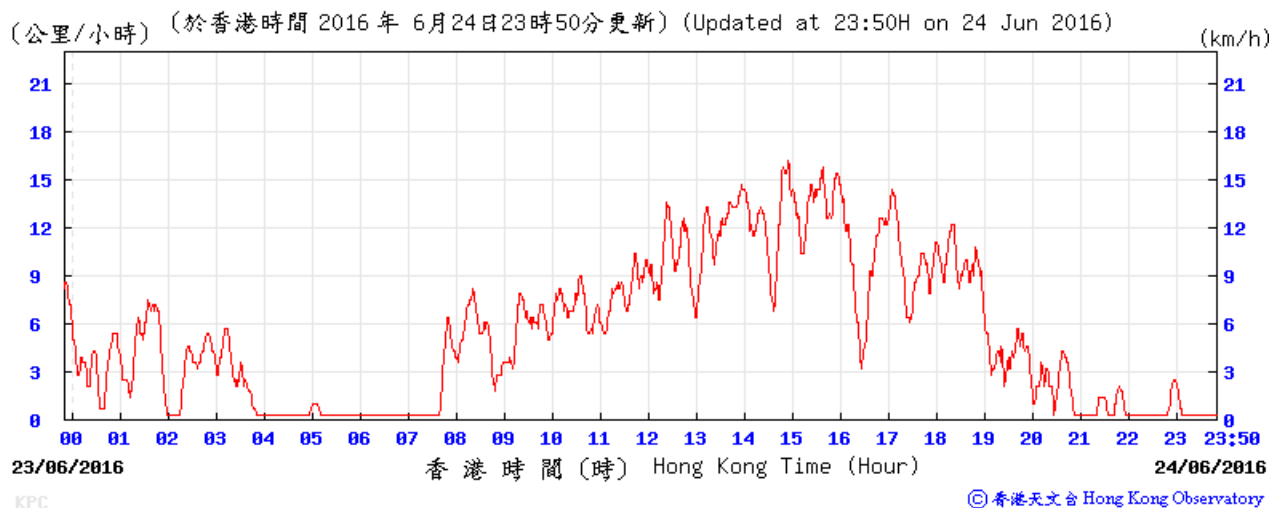
Pressure:



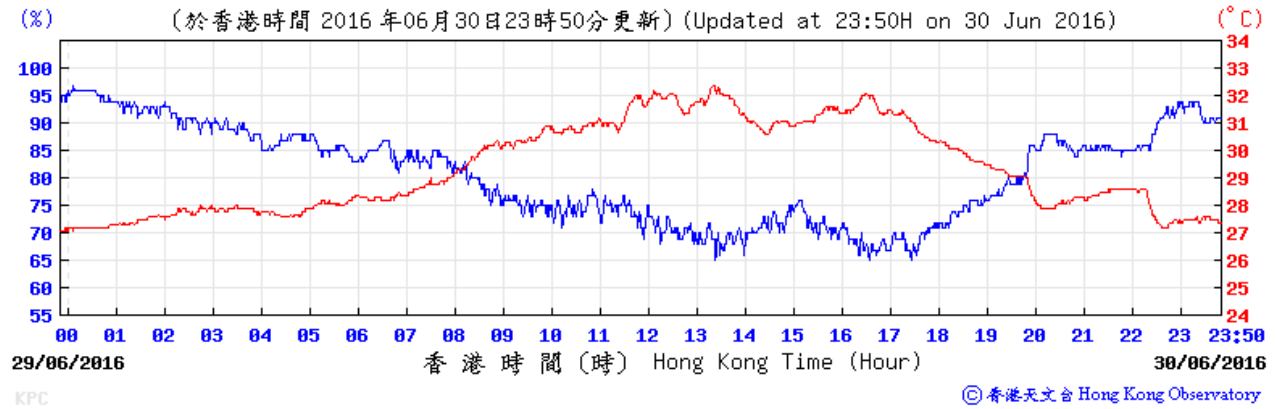
Wind Direction:



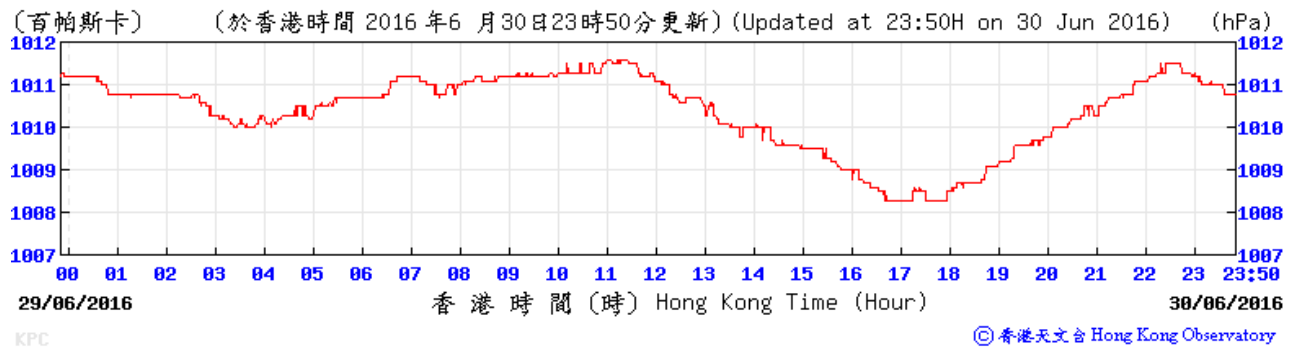
Wind Speed:



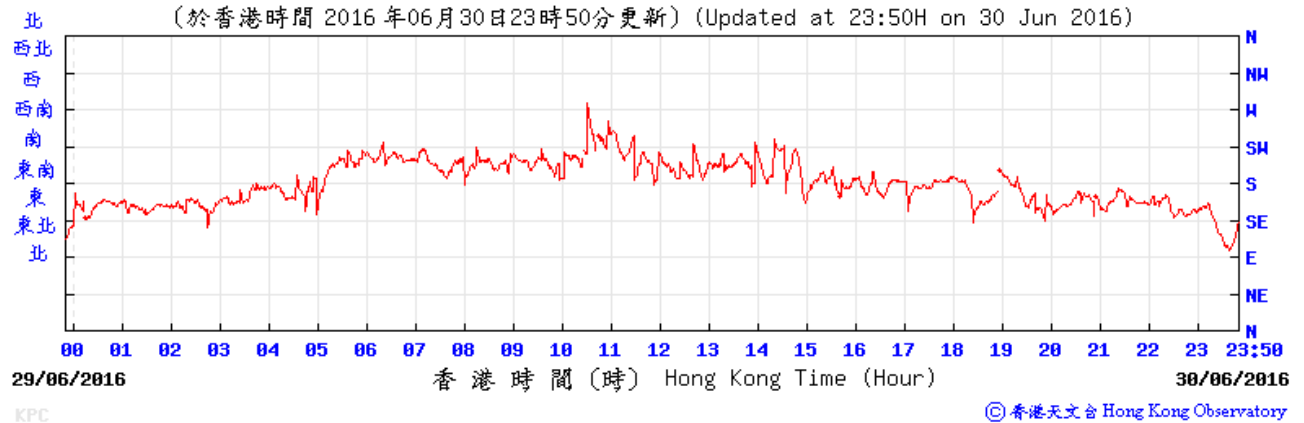
Temperature/Humidity:



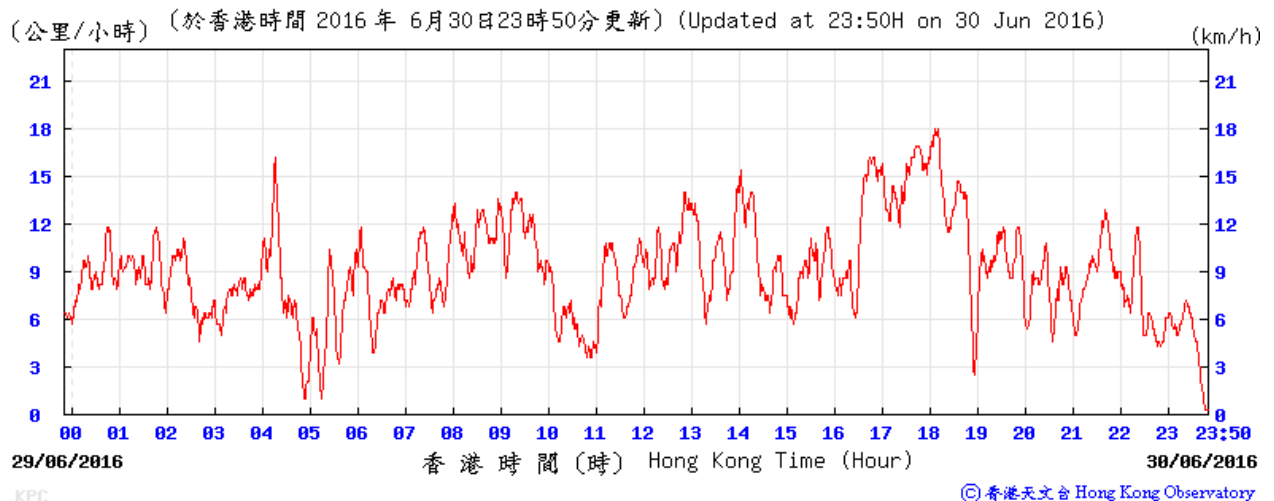
Pressure:



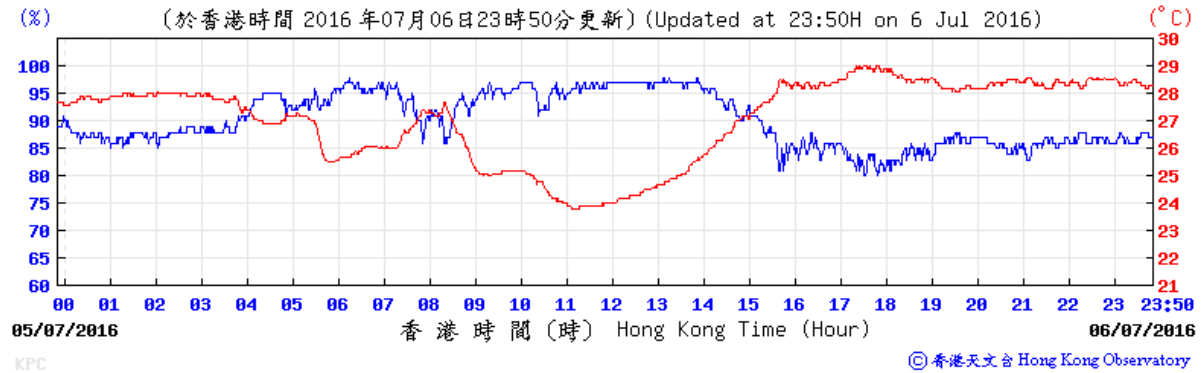
Wind Direction:



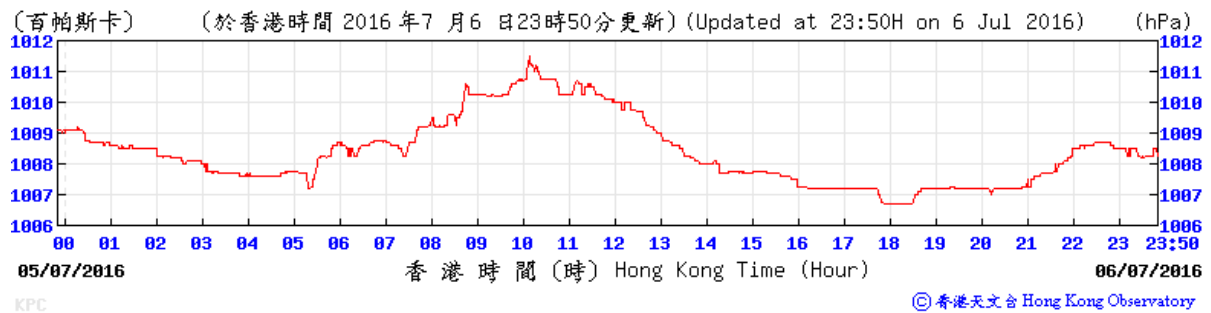
Wind Speed:



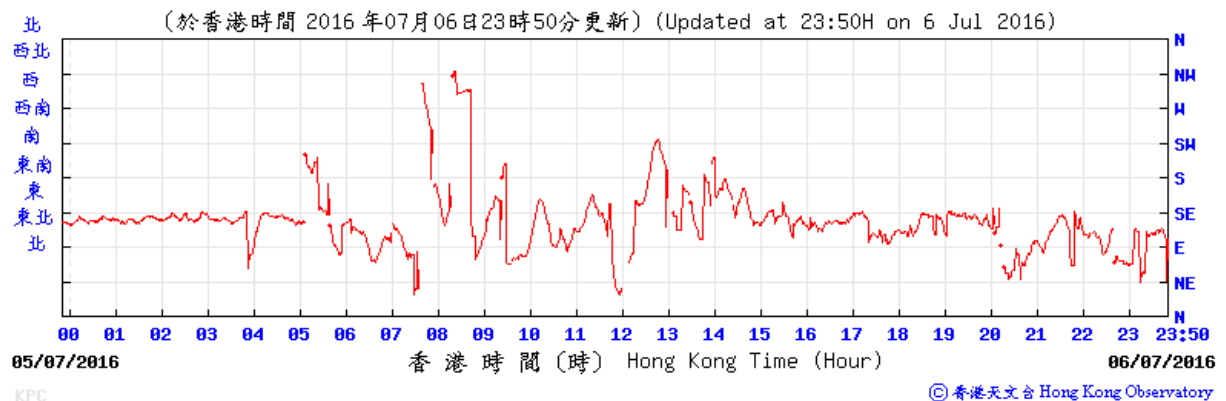
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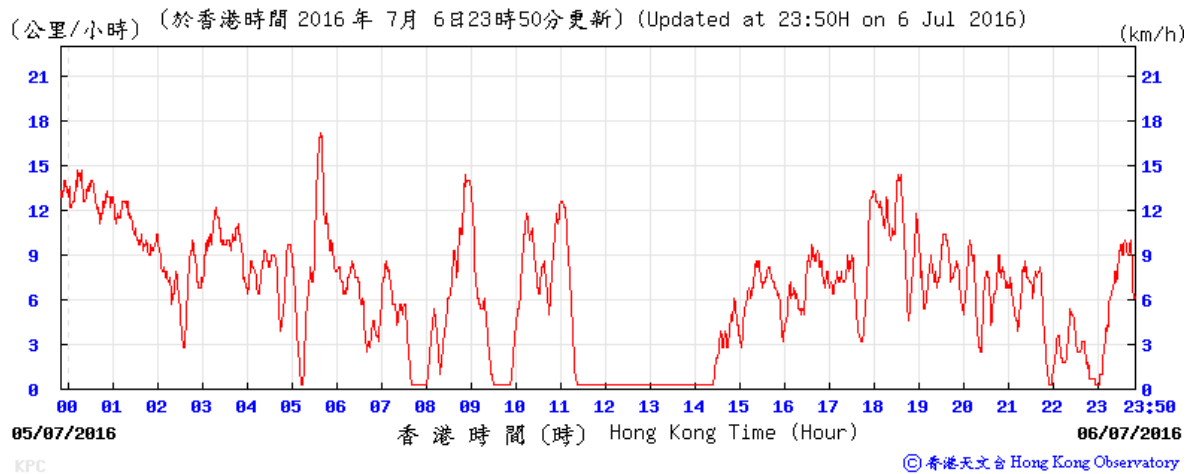
Pressure:



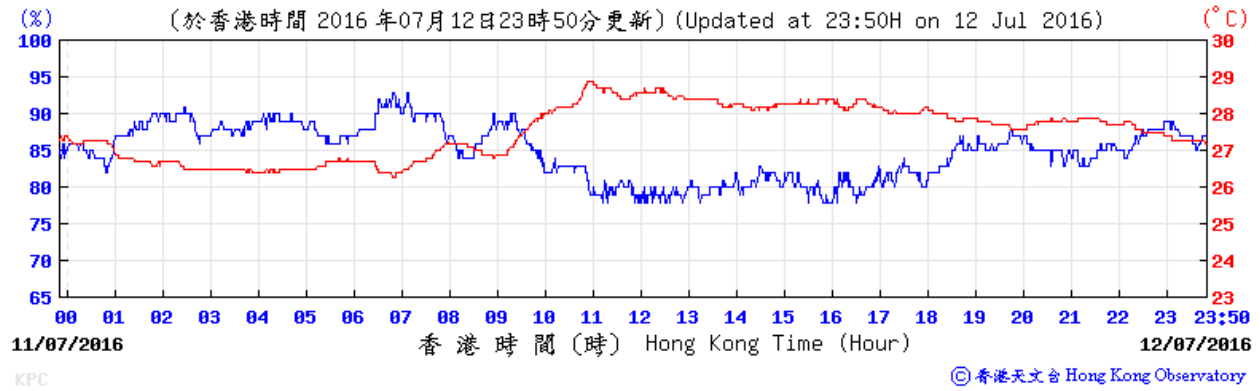
Wind Direction:



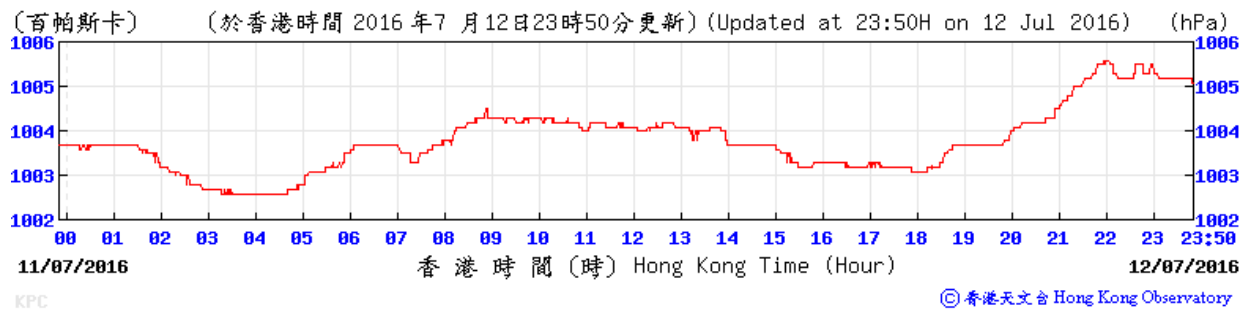
Wind Speed:



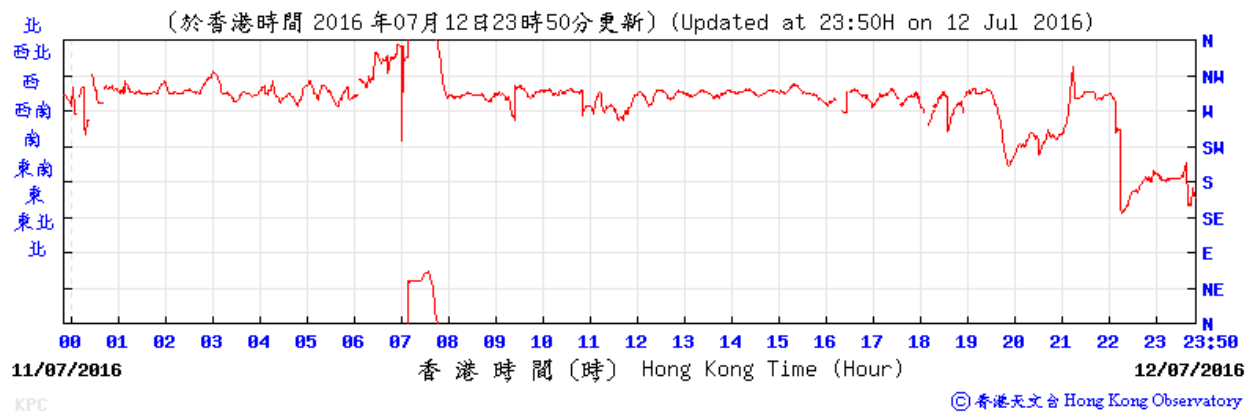
Temperature/Humidity:



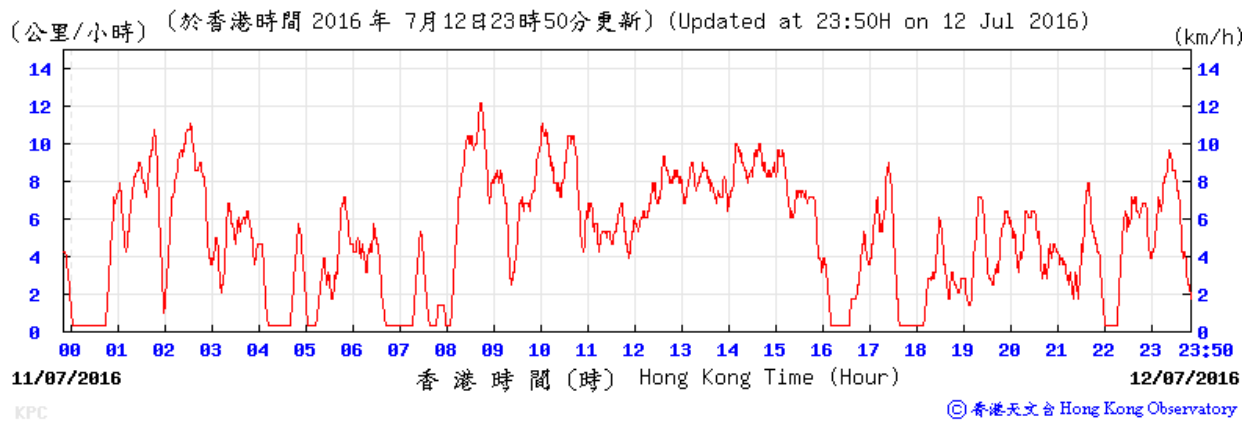
Pressure:



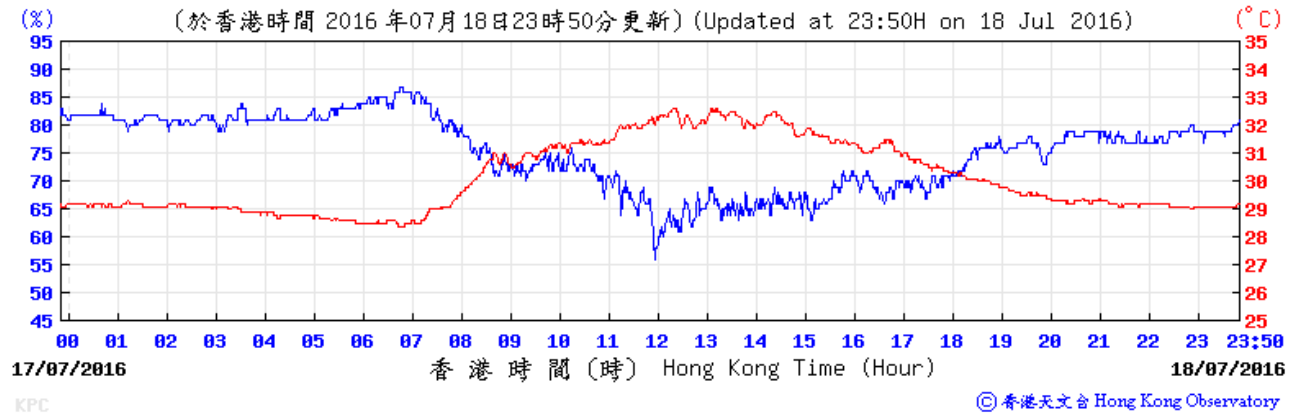
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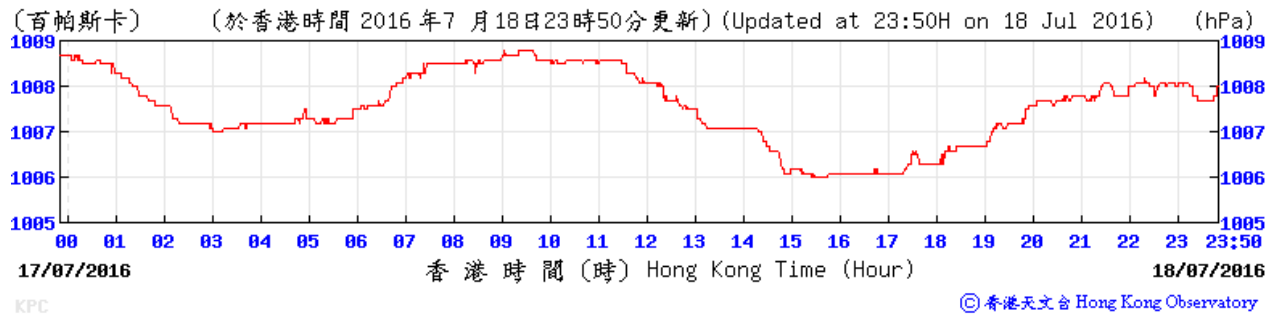
Wind Speed:



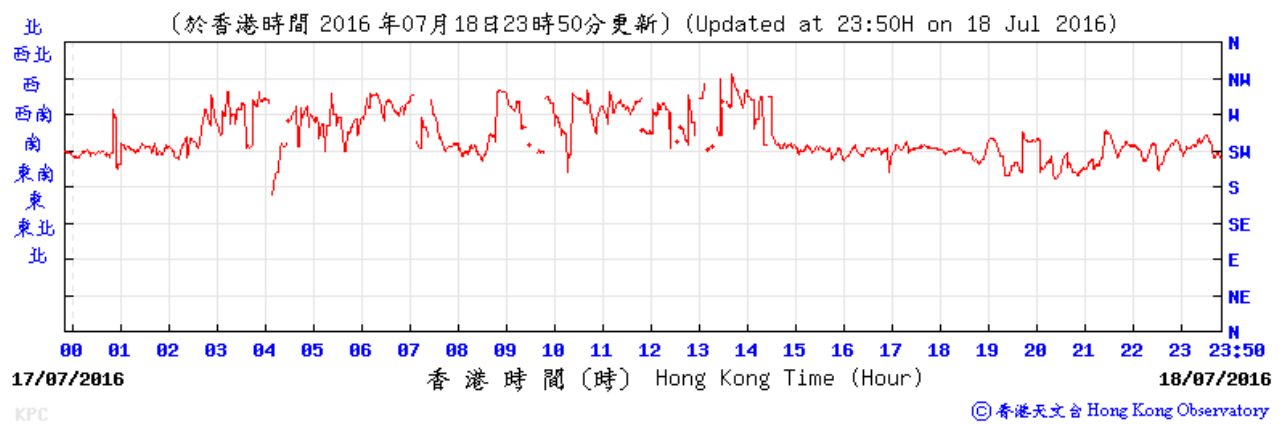
Temperature/Humidity:



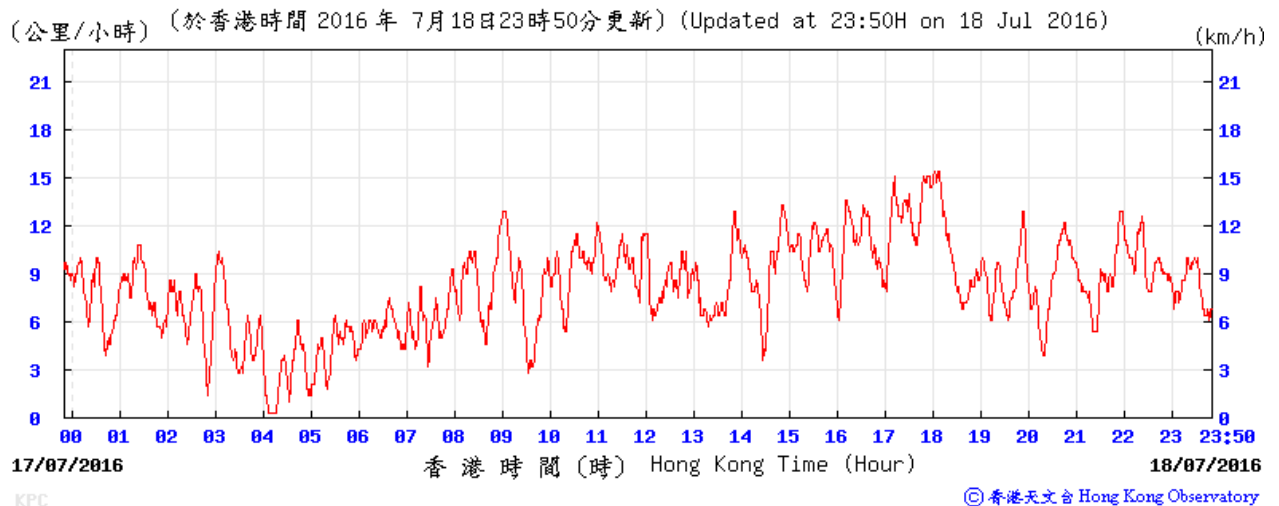
Pressure:



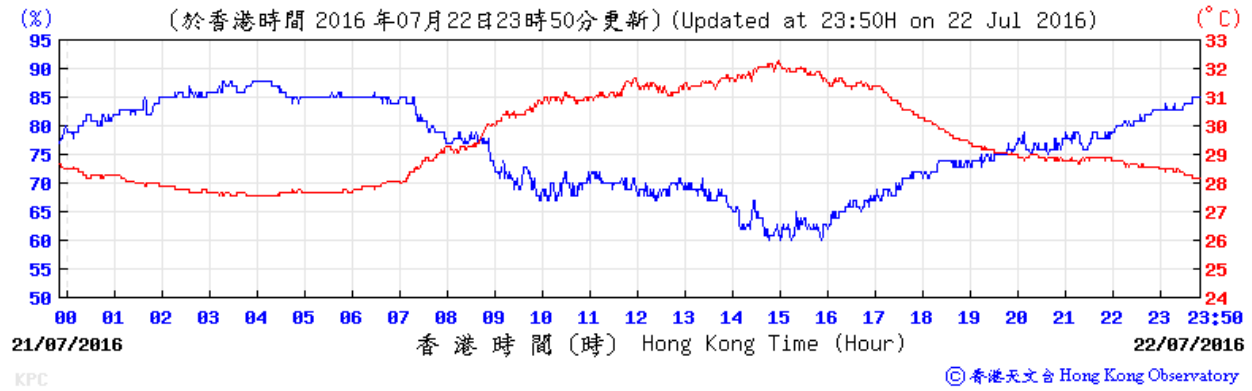
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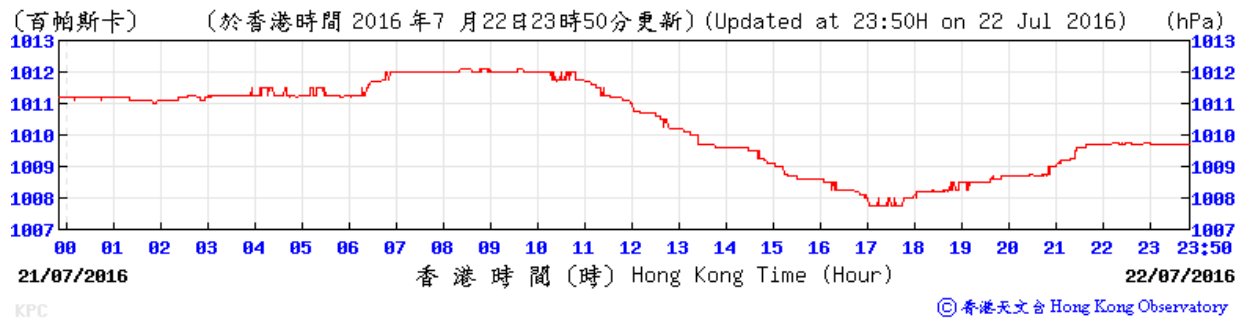
Wind Speed:



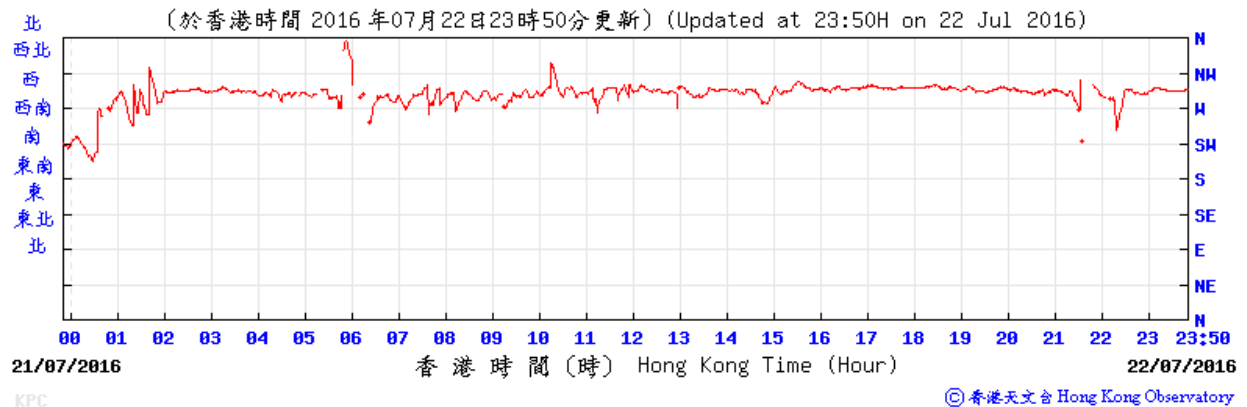
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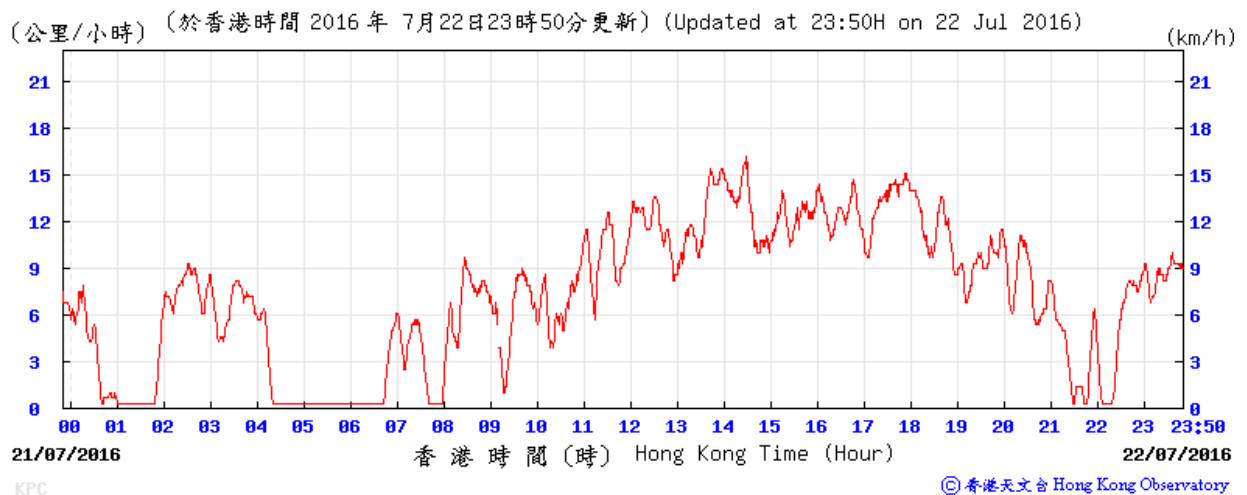
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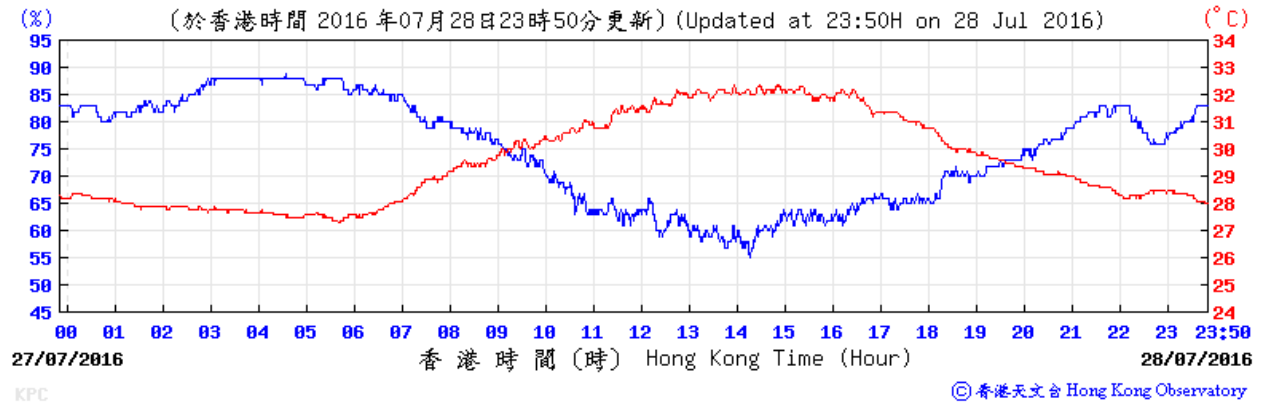
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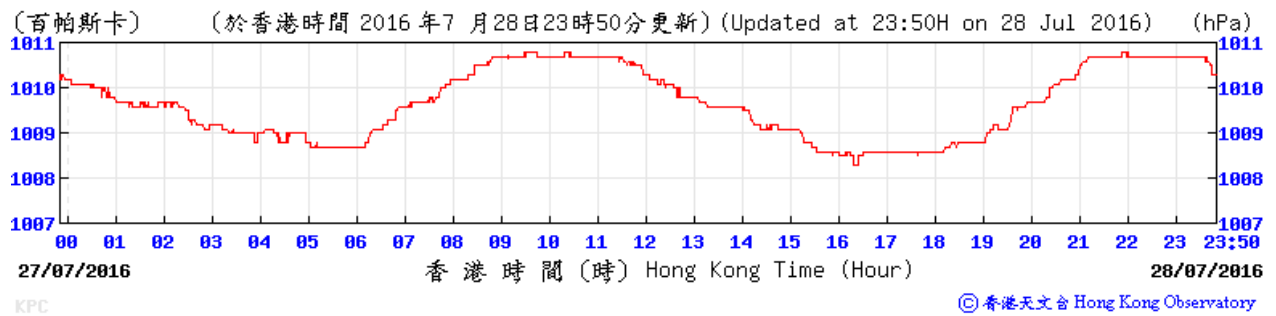
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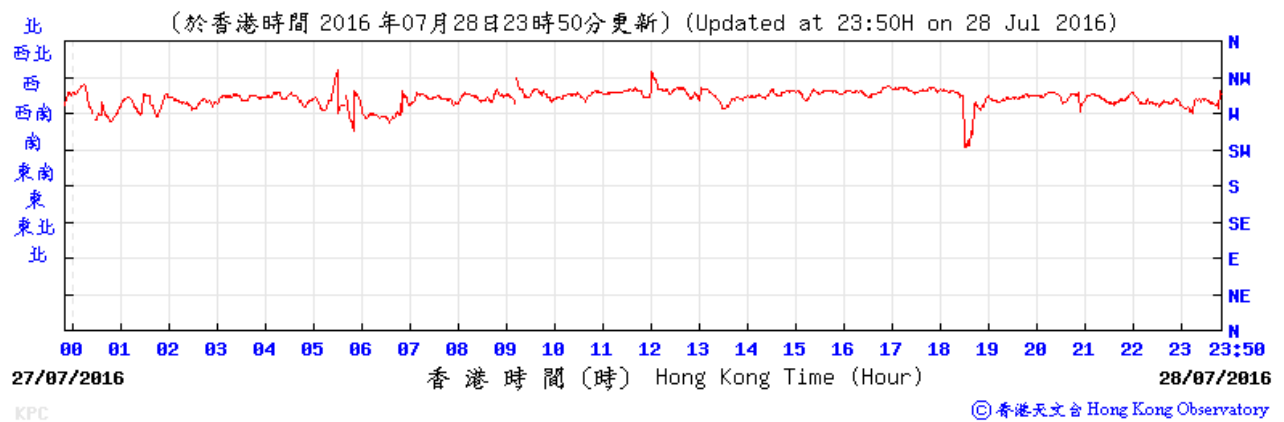
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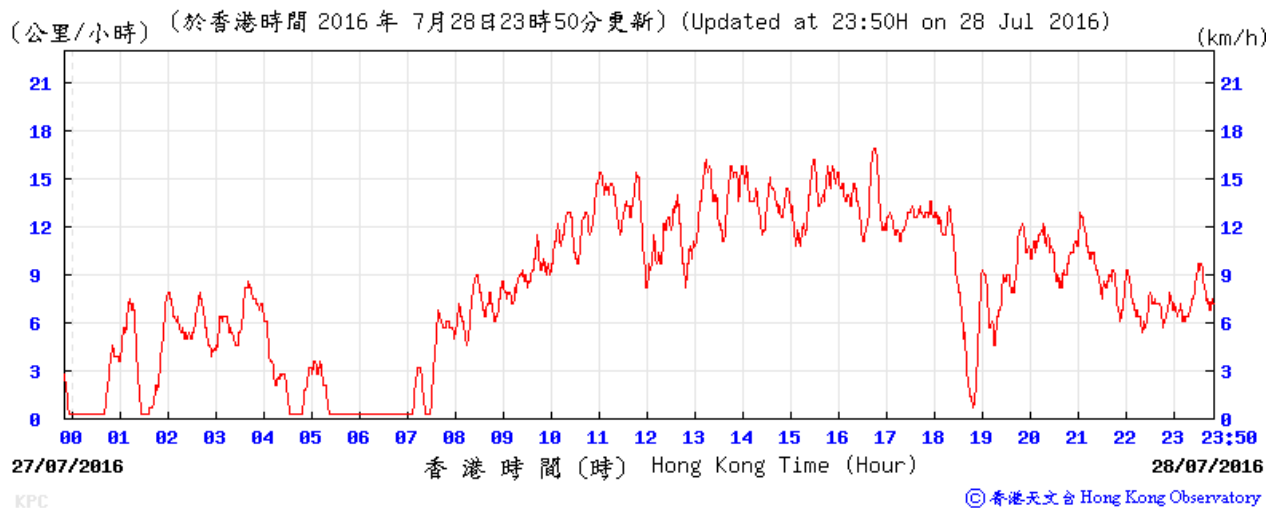
Pressure:



Wind Direction:



Wind Speed:

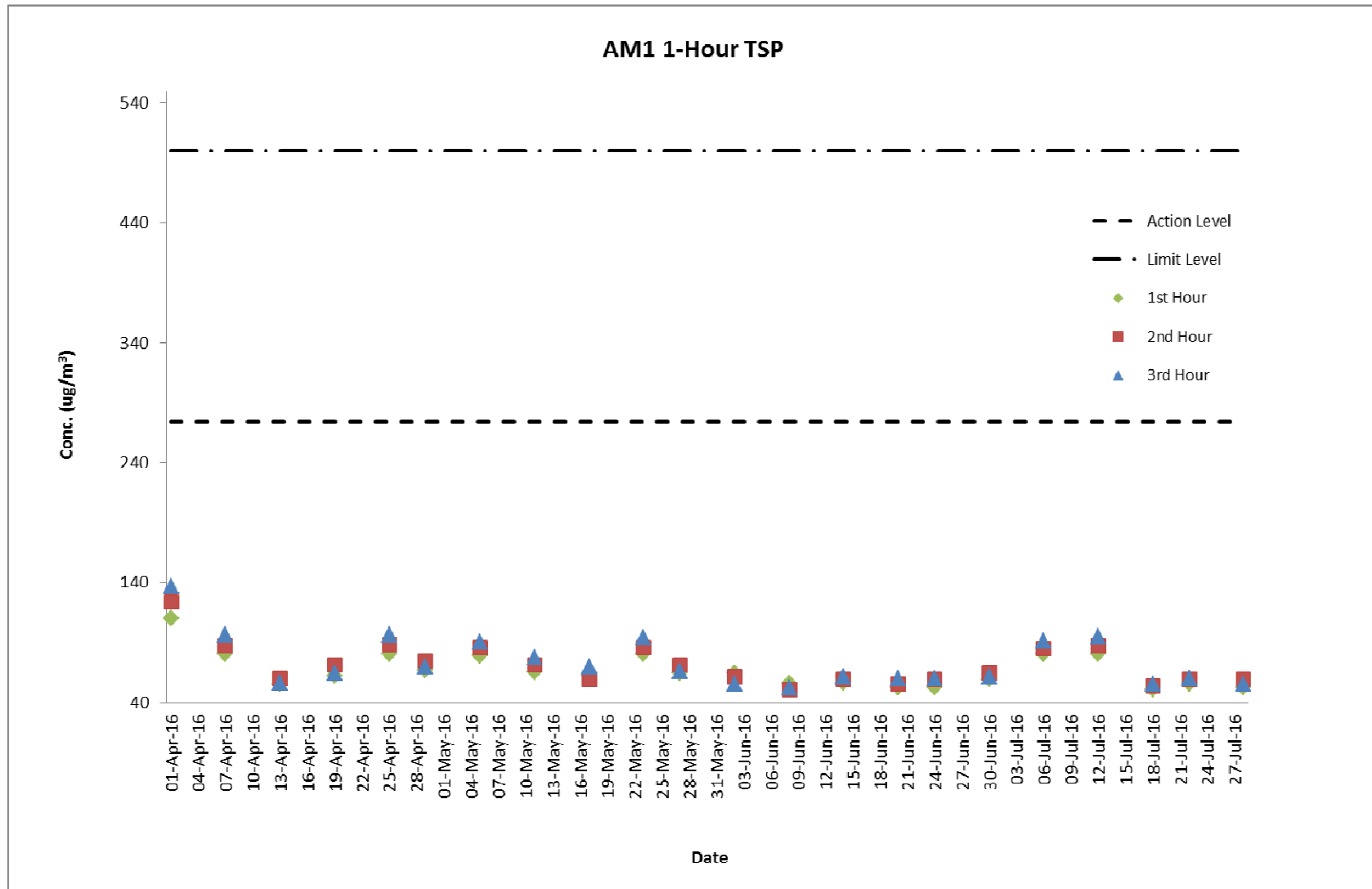


E. Graphical Plots of the Monitoring Results

Air Quality Monitoring Result at Station AM1 (1-hour TSP)

Date	Weather Condition	Time	Conc. ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1 st Hour	2 nd Hour	3 rd Hour		
05-May-16	Fine	10:42 - 16:00	79	86	90	273.7	500
11-May-16	Sunny	10:38 - 16:00	65	71	77	273.7	500
17-May-16	Cloudy	10:48 - 16:00	62	59	70	273.7	500
23-May-16	Sunny	10:42 - 16:00	80	86	94	273.7	500
27-May-16	Cloudy	8:02 - 11:02	64	71	66	273.7	500
02-Jun-16	Sunny	10:38 - 16:00	64	61	55	273.7	500
08-Jun-16	Cloudy	10:30 - 16:00	56	51	52	273.7	500
14-Jun-16	Cloudy	10:30 - 16:00	56	59	61	273.7	500
20-Jun-16	Sunny	10:40 - 16:00	52	55	60	273.7	500
24-Jun-16	Sunny	8:15 - 11:15	52	59	60	273.7	500
30-Jun-16	Fine	10:30 - 16:00	59	64	61	273.7	500
06-Jul-16	Cloudy	14:00 - 17:00	80	85	91	273.7	500
12-Jul-16	Cloudy	10:40 - 16:00	80	87	95	273.7	500
18-Jul-16	Sunny	10:40 - 16:00	51	54	55	273.7	500
22-Jul-16	Sunny	8:00 - 11:00	55	59	60	273.7	500
28-Jul-16	Sunny	10:38 - 16:00	52	59	55	273.7	500

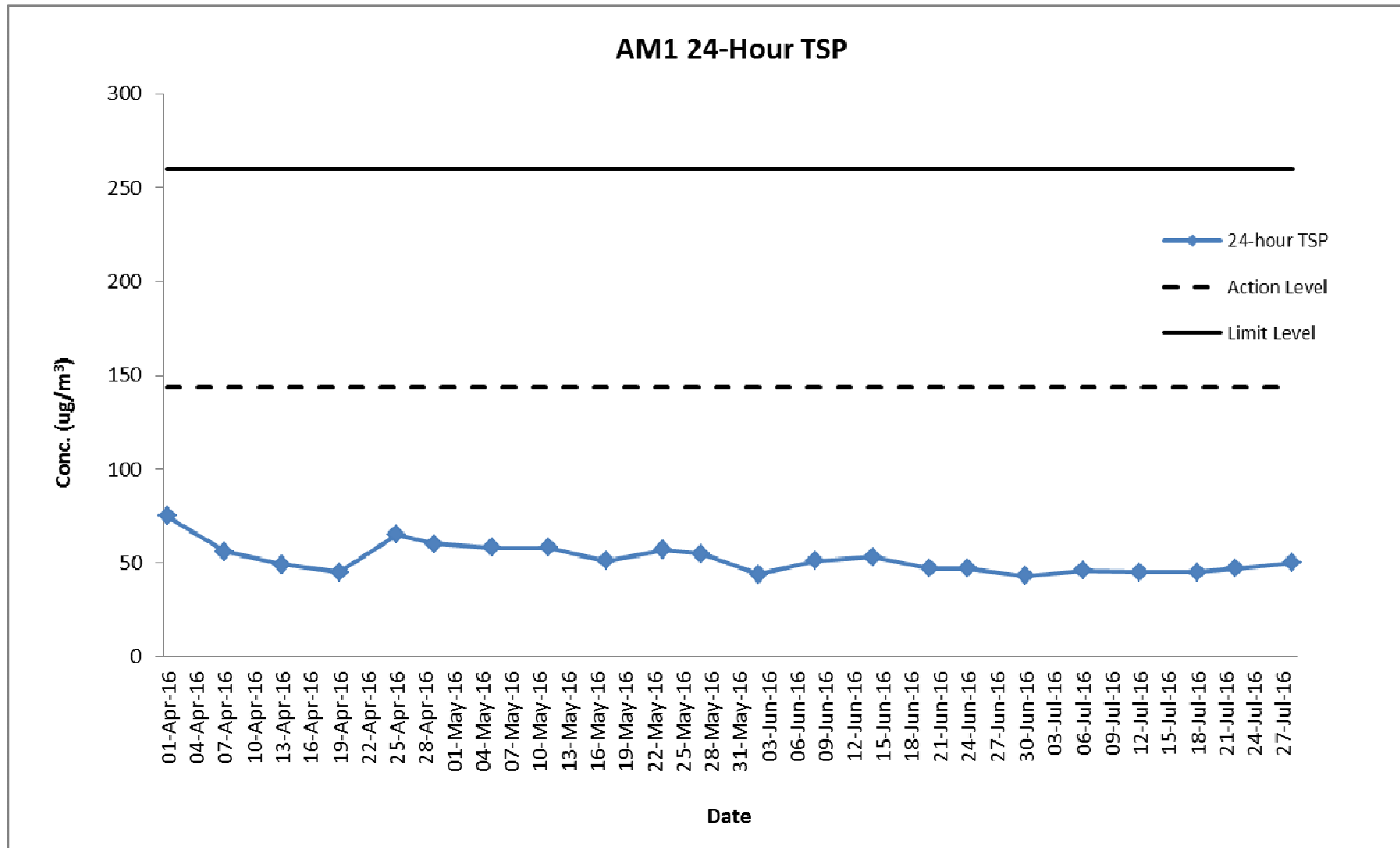
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (1-hour TSP)



Air Quality Monitoring Result at Station AM1 (24-hour TSP)

Start		Finish		Filter Weight (g)		Reading		Sampling Time (hrs)	Flow Rate (m ³ /min)			Conc. (µg/m ³)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
05-May-16	10:40	06-May-16	10:40	2.7988	2.8998	19440.38	19464.38	24	1.2	1.2	1.2	58	Fine	143.6	260
11-May-16	10:39	12-May-16	10:39	2.7969	2.8972	19464.38	19488.38	24	1.2	1.2	1.2	58	Sunny	143.6	260
17-May-16	10:50	18-May-16	10:50	2.8082	2.8966	19488.38	19512.38	24	1.2	1.2	1.2	51	Cloudy	143.6	260
23-May-16	10:40	24-May-16	10:40	2.806	2.904	19512.38	19536.38	24	1.2	1.2	1.2	57	Sunny	143.6	260
27-May-16	08:00	28-May-16	08:00	2.8045	2.899	19536.38	19560.38	24	1.2	1.2	1.2	55	Cloudy	143.6	260
02-Jun-16	10:35	03-Jun-16	10:35	2.7874	2.8642	19560.38	19584.38	24	1.2	1.2	1.2	44	Sunny	143.6	260
08-Jun-16	10:32	09-Jun-16	10:32	2.8129	2.9009	19584.38	19608.38	24	1.2	1.2	1.2	51	Cloudy	143.6	260
14-Jun-16	10:32	15-Jun-16	10:32	2.8003	2.8911	19608.38	19632.38	24	1.2	1.2	1.2	53	Cloudy	143.6	260
20-Jun-16	10:38	21-Jun-16	10:38	2.8135	2.8972	19632.38	19656.38	24	1.24	1.24	1.24	47	Sunny	143.6	260
24-Jun-16	08:17	25-Jun-16	08:17	2.8138	2.8972	19656.38	19680.38	24	1.24	1.24	1.24	47	Sunny	143.6	260
30-Jun-16	10:32	01-Jul-16	10:32	2.7961	2.8727	19680.38	19704.38	24	1.24	1.24	1.24	43	Fine	143.6	260
06-Jul-16	13:10	07-Jul-16	13:10	2.7846	2.8661	19704.38	19728.38	24	1.24	1.24	1.24	46	Cloudy	143.6	260
12-Jul-16	10:37	13-Jul-16	10:37	2.7919	2.8727	19728.38	19752.38	24	1.24	1.24	1.24	45	Cloudy	143.6	260
18-Jul-16	10:38	19-Jul-16	10:38	2.8011	2.8821	19752.38	19776.38	24	1.24	1.24	1.24	45	Sunny	143.6	260
22-Jul-16	08:02	23-Jul-16	08:02	2.7864	2.87	19776.38	19800.38	24	1.24	1.24	1.24	47	Sunny	143.6	260
28-Jul-16	10:40	29-Jul-16	10:40	2.81	2.9	19800.28	19824.28	24	1.24	1.24	1.24	50	Sunny	143.6	260

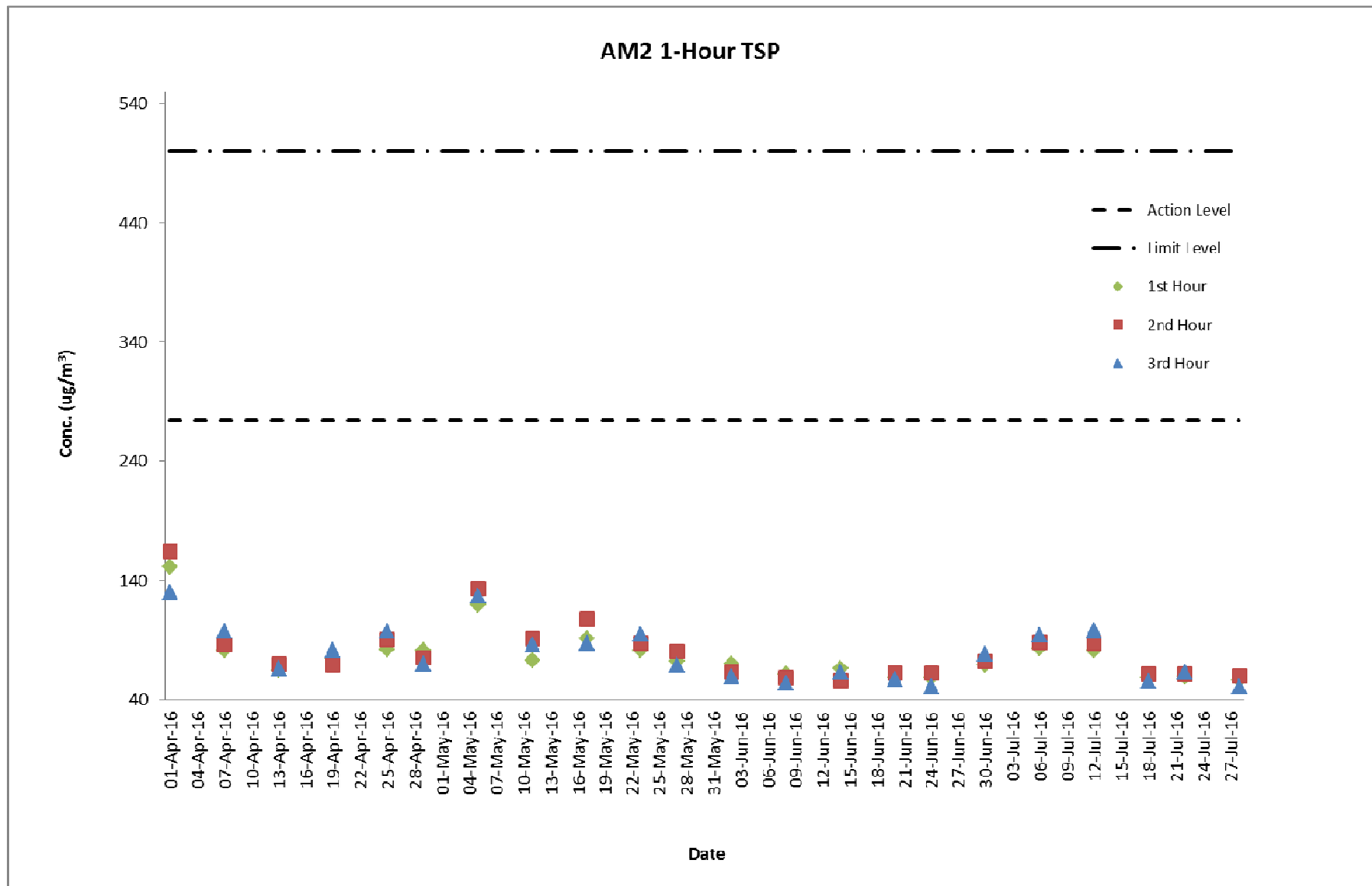
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)



Air Quality Monitoring Result at Station AM2 (1-hour TSP)

Date	Weather Condition	Time	Conc. ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1 st Hour	2 nd Hour	3 rd Hour		
05-May-16	Fine	10:52 - 16:10	119	133	127	274.2	500
11-May-16	Sunny	10:50 - 16:10	73	91	86	274.2	500
17-May-16	Cloudy	11:00 - 16:10	91	108	87	274.2	500
23-May-16	Sunny	10:52 - 16:10	81	87	95	274.2	500
27-May-16	Cloudy	8:12 - 16:10	72	80	69	274.2	500
02-Jun-16	Sunny	10:48 - 16:10	70	63	59	274.2	500
08-Jun-16	Cloudy	10:37 - 16:10	61	58	54	274.2	500
14-Jun-16	Cloudy	10:42 - 16:10	66	56	63	274.2	500
20-Jun-16	Sunny	10:50 - 16:10	58	62	57	274.2	500
24-Jun-16	Sunny	8:27 - 11:27	58	62	51	274.2	500
30-Jun-16	Fine	10:40 - 16:10	69	72	78	274.2	500
06-Jul-16	Cloudy	14:10 - 17:10	83	88	94	274.2	500
12-Jul-16	Cloudy	10:50 - 16:10	81	87	98	274.2	500
18-Jul-16	Sunny	10:50 - 16:10	58	61	55	274.2	500
22-Jul-16	Sunny	8:12 - 11:12	59	61	63	274.2	500
28-Jul-16	Sunny	10:48 - 16:10	56	60	51	274.2	500

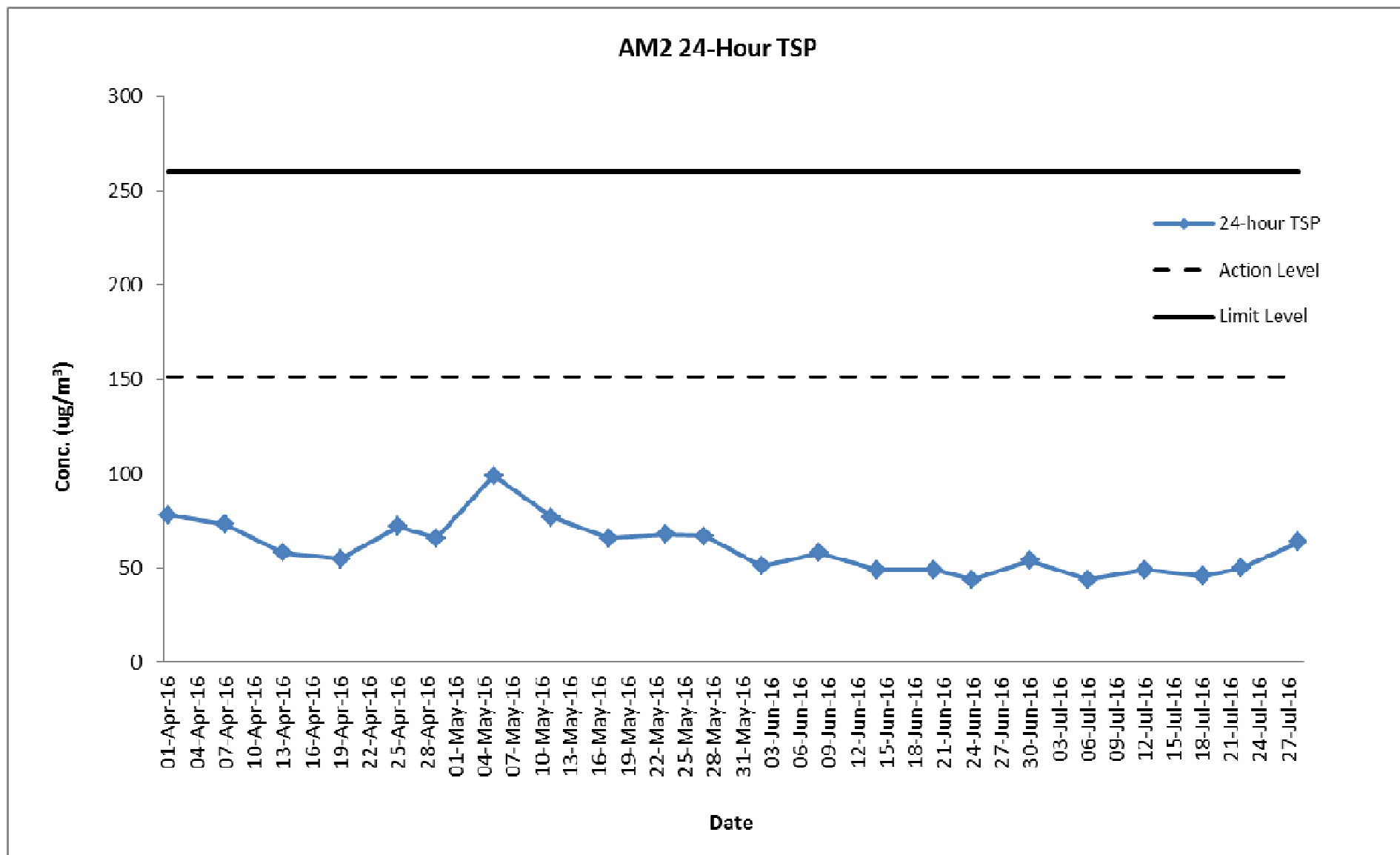
Graphical Presentation of Air Quality Monitoring Result at Station AM2 (1-hour TSP)



Air Quality Monitoring Result at Station AM2 (24-hour TSP)

Start		Finish		Filter Weight (g)		Reading		Sampling Time (hrs)	Flow Rate (m ³ /min)			Conc. (µg/m ³)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
05-May-16	10:55	06-May-16	10:55	2.8027	2.9803	15143.59	15167.59	24	1.25	1.25	1.25	99	Fine	151.1	260
11-May-16	10:52	12-May-16	10:52	2.802	2.9411	15167.59	15191.59	24	1.25	1.25	1.25	77	Sunny	151.1	260
17-May-16	11:02	18-May-16	11:02	2.8327	2.9511	15191.59	15215.59	24	1.25	1.25	1.25	66	Cloudy	151.1	260
23-May-16	10:54	24-May-16	10:54	2.8103	2.9327	15215.59	15239.59	24	1.25	1.25	1.25	68	Sunny	151.1	260
27-May-16	08:17	28-May-16	08:17	2.8205	2.9411	15239.59	15263.59	24	1.25	1.25	1.25	67	Cloudy	151.1	260
02-Jun-16	10:50	03-Jun-16	10:50	2.7965	2.8891	15263.59	15287.59	24	1.25	1.25	1.25	51	Sunny	151.1	260
08-Jun-16	10:40	09-Jun-16	10:40	2.7756	2.8802	15287.59	15311.59	24	1.25	1.25	1.25	58	Cloudy	151.1	260
14-Jun-16	10:44	15-Jun-16	10:44	2.8118	2.9006	15311.59	15335.59	24	1.25	1.25	1.25	49	Cloudy	151.1	260
20-Jun-16	10:51	21-Jun-16	10:51	2.82	2.9112	15335.59	15359.59	24	1.28	1.28	1.28	49	Sunny	151.1	260
24-Jun-16	08:30	25-Jun-16	08:30	2.8073	2.8883	15359.59	15383.59	24	1.28	1.28	1.28	44	Sunny	151.1	260
30-Jun-16	10:42	01-Jul-16	10:42	2.8178	2.9179	15383.59	15407.59	24	1.28	1.28	1.28	54	Fine	151.1	260
06-Jul-16	13:20	07-Jul-16	13:20	2.8005	2.8811	15407.59	15431.59	24	1.28	1.28	1.28	44	Cloudy	151.1	260
12-Jul-16	14:40	13-Jul-16	14:40	2.79	2.88	15431.59	15455.59	24	1.28	1.28	1.28	49	Cloudy	151.1	260
18-Jul-16	10:52	19-Jul-16	10:52	2.797	2.8825	15455.59	15479.59	24	1.28	1.28	1.28	46	Sunny	151.1	260
22-Jul-16	08:17	23-Jul-16	08:17	2.7789	2.8719	15479.59	15503.59	24	1.28	1.28	1.28	50	Sunny	151.1	260
28-Jul-16	10:50	29-Jul-16	10:50	2.8216	2.94	15503.59	15527.59	24	1.28	1.28	1.28	64	Sunny	151.1	260

Graphical Presentation of Air Quality Monitoring Result at Station AM2 (24-hour TSP)



Noise Monitoring Result at Station NM1A

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
05-May-16	14:00	68.0	63.7	69.1
05-May-16	14:05	66.9	62.1	
05-May-16	14:10	67.7	63.0	
05-May-16	14:15	67.4	63.3	
05-May-16	14:20	69.0	64.1	
05-May-16	14:25	68.4	63.4	
11-May-16	14:00	66.0	62.0	68.0
11-May-16	14:05	66.0	61.1	
11-May-16	14:10	66.7	62.9	
11-May-16	14:15	67.0	63.0	
11-May-16	14:20	67.4	63.4	
11-May-16	14:25	67.7	63.9	
17-May-16	14:00	67.0	62.7	68.6
17-May-16	14:05	67.4	63.4	
17-May-16	14:10	67.7	63.7	
17-May-16	14:15	66.9	62.9	
17-May-16	14:20	67.8	63.4	
17-May-16	14:25	68.0	64.0	
23-May-16	14:00	67.0	62.7	68.6
23-May-16	14:05	68.0	63.0	
23-May-16	14:10	67.7	63.4	
23-May-16	14:15	67.4	63.2	
23-May-16	14:20	66.2	62.8	
23-May-16	14:25	67.9	63.4	
02-Jun-16	14:00	67.1	63.7	69.4
02-Jun-16	14:05	66.8	62.9	
02-Jun-16	14:10	68.9	64.1	
02-Jun-16	14:15	69	65	
02-Jun-16	14:20	69.9	65.5	
02-Jun-16	14:25	68	63.7	
08-Jun-16	14:00	66	61.1	67.8
08-Jun-16	14:05	66.4	62.2	
08-Jun-16	14:10	66.9	62.9	
08-Jun-16	14:15	67.2	63.1	
08-Jun-16	14:20	67.7	63.4	
08-Jun-16	14:25	67.1	62.8	
14-Jun-16	14:00	66	62	68.7
14-Jun-16	14:05	68	64.1	
14-Jun-16	14:10	68.7	64.7	
14-Jun-16	14:15	67.9	63.9	
14-Jun-16	14:20	66.8	62.8	
14-Jun-16	14:25	68	64.7	
20-Jun-16	14:00	67	63.1	68.7
20-Jun-16	14:05	67	62.7	
20-Jun-16	14:10	68.2	64	
20-Jun-16	14:15	67.7	64.2	
20-Jun-16	14:20	68	63.9	
20-Jun-16	14:25	67.9	63.6	

30-Jun-16	14:00	68	64.1	69.4
30-Jun-16	14:05	67.9	63.9	
30-Jun-16	14:10	68.4	64.7	
30-Jun-16	14:15	67.7	63.8	
30-Jun-16	14:20	68.7	64.9	
30-Jun-16	14:25	68.8	64.7	
06-Jul-16	16:14	66.2	62.1	69.3
06-Jul-16	16:19	68	64.1	
06-Jul-16	16:24	68.9	64.5	
06-Jul-16	16:29	67	62.7	
06-Jul-16	16:34	68.7	63.9	
06-Jul-16	16:39	69.2	65.1	
12-Jul-16	14:00	67.2	63.2	69.0
12-Jul-16	14:05	68.2	64	
12-Jul-16	14:10	68.9	64.7	
12-Jul-16	14:15	67	62.9	
12-Jul-16	14:20	68.7	64.5	
12-Jul-16	14:25	67.7	63.9	
18-Jul-16	14:00	68	64.2	68.8
18-Jul-16	14:05	67.9	63.4	
18-Jul-16	14:10	67.9	63.5	
18-Jul-16	14:15	68.8	64	
18-Jul-16	14:20	66.7	62.7	
18-Jul-16	14:25	67	63.1	
28-Jul-16	14:00	68.2	64.1	69.2
28-Jul-16	14:05	69	64.7	
28-Jul-16	14:10	67.7	63.9	
28-Jul-16	14:15	67.9	63.9	
28-Jul-16	14:20	68	64.2	
28-Jul-16	14:25	67.9	63.8	

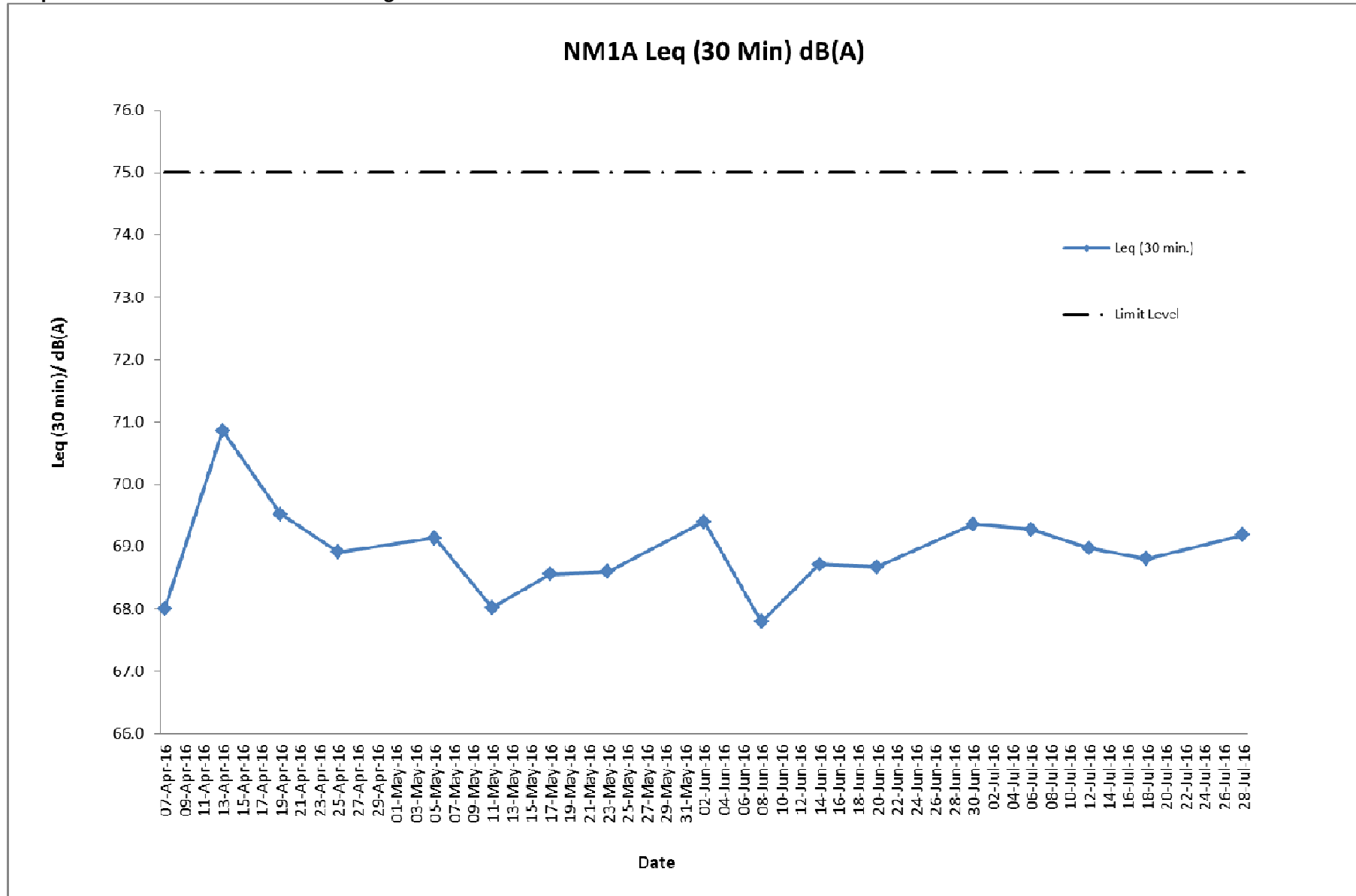
Remarks:

+3dB (A) correction was applied to free-field measurement.



The station set-up of a free-field measurement at Station NM1A.

Graphical Presentation Noise Monitoring Result at Station NM1A



F. Waste Flow table

M+ Museum

Table F-1: Waste Flow Table for M+ Museum

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2015													
Nov	46607.4	0.0	0.0	8240.0	38367.4	0.0	0.0	76.2	0.0	0.0	0.0	0.0	67.6
Dec	29652.9	0.0	0.0	29621.4	31.5	0.0	0.0	26.3	0.0	0.0	0.0	1.0	66.0
Sub-total (2015)	76260.3	0.0	0.0	37861.4	38398.9	0.0	0.0	102.5	0.0	0.0	0.0	1.0	133.6
2016													
Jan	21077.4	0.0	6352.0	14576.0	149.4	0.0	0.0	18.8	0.0	0.0	0.0	0.0	23.2
Feb	7626.2	0.0	3424.0	4048.0	154.2	0.0	0.0	59.8	0.0	0.0	0.0	0.0	20.5
Mar	10442.5	0.0	1600.0	7888.0	954.5	0.0	0.0	29.7	0.0	0.0	0.0	0.0	46.3
Apr	30413.2	0.0	6352.0	23408.0	653.2	0.0	0.0	25.8	0.1	0.0	27.8	0.0	34.5
May	24083.5	0.0	112.0	23216.0	755.5	0.0	0.0	61.5	0.4	0.0	33.6	0.0	62.3
Jun	7880.1	0.0	4736.0	2384.0	760.1	0.0	0.0	106.6	0.1	0.0	14.6	0.0	52.8
Jul	5893.1	0.0	2656.0	2240.0	997.1	0.0	0.0	77.6	0.0	0.0	33.6	0.0	83.1
Aug													
Sep													
Oct													
Nov													
Dec													
Sub-total (2016)	107415.9	0.0	25232.0	77760.0	4423.9	0.0	0.0	379.8	0.6	0.0	109.6	0.0	322.7
Total	183676.2	0.0	25232.0	115621.4	42822.8	0.0	0.0	482.3	0.6	0.0	109.6	1.0	456.3

Note:
-543.1 ton, 1,946.2 ton and 23.4 ton of inert C&D material were disposed of as public fill to Tuen Mun Area 38, Tseung Kwan O Area 137 and Chai Wan Public Fill Barging Point respectively in the reporting quarter.
-For inert C&D materials reused in other projects, the projects refer to (1) Green Valley; (2) Advance Works for Shek Wu Hui Sewage Treatment Works (3) Design and Construction of Kai Tak Cable Tunnel, CLP; (4) MTR Contract 1002 Whampoa Station and Overrun Tunnel; (5) CEDD Tuen Mun Area 54 Contract No. CV/2015/03; (6) Union Construction Ltd.'s site.

Lyric Theatre Complex

Table F-2: Waste Flow Table for Lyric Theatre Complex

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2016													
Mar	2702.1	0.0	0.0	0.0	2702.1	0.0	0.0	4.5	0.1	0.0	0.0	0.0	30.6
Apr	8631.5	0.0	0.0	0.0	8631.5	0.0	0.0	16.0	0.0	0.0	0.0	0.0	19.2
May	12487.8	0.0	0.0	0.0	12487.8	0.0	0.0	34.0	0.0	0.0	0.0	0.7	60.5
Jun	8600.8	0.0	0.0	0.0	8600.8	0.0	0.0	31.4	0.1	0.0	0.0	0.5	13.5
Jul	12624.2	0.0	0.0	0.0	12624.2	0.0	0.0	19.6	0.0	0.0	0.0	2.0	9.9
Aug	0.0												
Sep	0.0												
Oct	0.0												
Nov	0.0												
Dec	0.0												
Sub-total (2016)	45046.4	0.0	0.0	0.0	45046.4	0.0	0.0	105.4	0.2	0.0	0.0	3.2	133.7
2017													
Jan	0.0												
Feb	0.0												
Mar	0.0												
Apr	0.0												
May	0.0												
Jun	0.0												
Sub-total (2017)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	45046.4	0.0	0.0	0.0	45046.4	0.0	0.0	105.4	0.2	0.0	0.0	3.2	133.7

Note:
 -3413.5 ton and 30299.3 ton of inert C&D material were disposed of as public fill to Tuen Mun Area 38 and Tseung Kwan O Area 137 respectively in the reporting quarter.

G. Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Cumulative statistics for complaints, notifications of summons and successful prosecutions for the Project account for period starting from the date of commencement of construction works (i.e. 31 October 2015 for M+ Museum main works and 1 March 2016 for Lyric Theatre Complex foundation works) to the end of the reporting quarter and are summarized in the in the **Table G-1** and **Table G-2** below respectively.

Table G-1: Statistics for complaints, notifications of summons and successful prosecutions for M+ Museum Main Works

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of summons	Successful prosecutions
This reporting quarter	2	0	0
From 31 October 2015 to end of the reporting quarter	3	0	0

Table G-2: Statistics for complaints, notifications of summons and successful prosecutions for Lyric Theatre Complex Foundation Works

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of summons	Successful prosecutions
This reporting quarter	2	0	0
From 1 March 2016 to end of the reporting month	2	0	0