

Development at West Kowloon Cultural District

Quarterly Environmental Monitoring and Audit (EM&A) Report (February 2019 - April 2019)

May 2019

20/F AIA Kowloon Tower Landmark East 100 How Ming Street Kwun Tong Kowloon Hong Kong

T +852 2828 5757 F +852 2827 1823 mottmac.hk

Development at West Kowloon Cultural District

Quarterly Environmental Monitoring and Audit (EM&A) Report (February 2019 - April 2019)

May 2019

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

6 June 2019

Verified by:

Jul

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

Date

10 June 2019

Contents

Exe	cecutive summary	1
1	Introduction	2
	1.1 Background	2
	1.2 Project Organisation	2
	1.3 Environmental Status in the Reporting Period	2
2	Summary of EM&A Requirements	4
	2.1 Monitoring Requirements	4
	2.2 Environmental Mitigation Measures	5
3	Summary of EM&A Monitoring Results	6
	3.1 Monitoring Data	6
	3.2 Monitoring Exceedances	6
	3.2.1 1-hour TSP Monitoring	6
	3.2.2 24-hour TSP Monitoring	6
	3.2.3 Construction Noise Monitoring	6
	3.2.4 Landscape and Visual Monitoring	7
4	Waste Management	8
	4.1 M+ Museum	8
	4.2 Lyric Theatre Complex	8
5	Environmental Non-conformance	9
6	Comments, Recommendations and Conclusion	10
	6.1 Comments	10
	6.2 Recommendations	10
	6.3 Conclusion	10

Figure 1 Site Layout Plan and Monitoring Stations

Appendices

A. Project Organisation

B. Construction Programme

- C. Environmental Mitigation Measures Implementation Status
- D. Meteorological Data Extracted from Hong Kong Observatory
- E. Graphical Plots of the Monitoring Results
- F. Waste Flow table
- G. Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Executive summary

This Quarterly EM&A Report presents the monitoring works at both the main works of M+ Museum and Lyric Theatre Complex conducted from 1 February 2019 to 30 April 2019.

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 contractors where appropriate in the reporting quarter.

Exceedance of Action and Limit Levels

One exceedance of Action Level of 24-hour TSP for Air Quality were recorded. There was no breach of 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.

Record of Complaints

No environmental complaint was received during 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 including the Foundation Works (Contract No.: CC/2015/3A/014) and L1 Contract (Contract No. CC/2017/3A/030) 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/B (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, semitransparent 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/B. This Quarterly EM&A Report presents the monitoring works conducted from 1 February 2019 to 30 April 2019. 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:

- Structure
 - Podium GF and RF: Falsework, formwork and rebar

- M+ Podium 1/F: Structural works
- Podium 2F: Scaffold & formwork dismantling
- CSF RT/F: Scaffold & formwork dismantling
- RDE 8-13F: Slab rebar & column preparation
- Facade
 - Installation of panels on M+ tower
 - Erection of 1MF scaffold for 1MF Installation
 - Installation of façade on 2/F of RDE
- MEP
 - Cast-in items as per concrete pouring schedule
 - Remaining work at DCS plant room, Sea Water Pump Cells and Heat Exchanger plant room
 - BEL, ELV, BFS, BPD, BME works from B2 to 3/F of M+
 - BEL, ELV, BFS, BPD, BME works from G/F to 15/F of RDE
 - Fix work at M+ podium, RDE and CSF
- ABWF
 - M+, RDE and CSF material delivery and block work
 - Block wall erection, floor screed for plant room area and corridor area, wall plastering work up to M+ G/F
 - Blockwork plaster, paint/sealer, plaster, drywall subframe, front of house work wall plastering work up to M+ 16/F
 - Steel platform, plastering, artwall/drywall stud erection, false ceiling sub-frame installation of RDE from 1MF to 2/F
 - Fairface remedial work, gypsum block, waterproofing, flor screed, foamglass and gypsum block, skim coat and painting, self-levelling screed, floating floor of CSF building from 1/F to 8/F
- External
 - Trench reinstatement
 - FS pipe, ICT, PW connection

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

- Extended basement structure construction of Area 06
- Excavation and ELS works at Main Cofferdam
- Artist Square (ASB) bored pile work near Area 06
- Drainage and water mains work (PIW works)

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**.

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/m³
	24-Hour TSP	AM2A/ AM2B – Austin Road West opposite to The Harbourside Tower 1	At least once every 6 days	151.1 μg/m ³	260 μg/m ³
	1-Hour TSP	AM2A/ AM2B – Austin Road West opposite to The Harbourside Tower 1	At least 3 times every 6 days	274.2 μg/m ³	500 μg/m ³
Noise	Leq, 30 minutes	NM1A- 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

Table 2.1: Summary of Impact EM&A Requirements

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. However, the electricity supply at AM2 was suspended from 31 August 2016 and was no longer available. In order to have a more secure electricity supply, an alternative air monitoring location (AM2A) was identified at Austin Road West opposite to The Harbourside Tower 1, which is close to Lyric Theatre Complex site entrance. This alternative air monitoring location was approved by EPD on 28 September 2016. Due to works programme, the air monitoring location AM2A has been relocated to the alternative monitoring location AM2B at the 1st floor of Gammon's site office, which was approved by EPD on 21 February 2019. Meanwhile, the opportunity of setting up the air monitoring location at The Harbourside is being explored. 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.

363512 | 05/03 | 0 | May 2019 \\mottmac\Project\Hong Kong\ENL\PROJECTS\363512 WKCD M+ Superstructure\05 Deliverables\03 Quarterly EM&A Summary Report\(14) Quarterly EM&A Report (Feb 19 - Apr 19)\Rev.0\Quarterly EM&A Report (Feb19-Apr19)_v0.docx

2.2 Environmental Mitigation Measures

Environmental mitigation measures have been recommended in the EM&A Manual. Summary of implementation status of the environmental mitigation measures is 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**.

Parameter	Monitoring Location	Minimum	Maximum	Average
Air Quality				
1 hour TSP	AM1	32	89	58
1 hour TSP	AM2A/ AM2B	44	101	68
24 hour TSP	AM1	21	76	48
24 hour TSP	AM2A/ AM2B	18	207	72
Construction Noise				
Leq(30min)	NM1A	67	70	69

Table 3.1: Summary of Monitoring Data

3.2 Monitoring Exceedances

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

Table 3.2: Summary of Exceedances

Monitoring Station	Parameter	No. o	f Exceedance	Action Taken
		Action Level	Limit Level	
Air Quality				
AM1	1 hour TSP	0	0	N/A
	24 hour TSP	0	0	N/A
AM2A	1 hour TSP	0	0	N/A
	24 hour TSP	1	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. One exceedance of Action Level of 24-hour TSP for Air Quality were recorded, while there was no Limit Level exceedance.

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, 58.4 tonnes, 822.9 tonnes and 552.3 tonnes of inert C&D material were disposed of as public fill to Chai Wan Public Fill Barging Point, Tuen Mun Area 38 and Tseung Kwan O Area 137 Public Fill respectively, while 1,552.3 tonnes of general refuse were disposed of at SENT landfill. 75.1 tonnes of metals, 1.2 tonnes of paper/cardboard packaging, 0 tonne of plastic and 340.0 tonne of timber were collected by recycling contractors in the reporting quarter. 0 tonne of inert C&D materials were reused on site. 0 tonne of inert C&D materials were reused in other projects and 614.6 tonnes of inert C&D materials were disposed to sorting facility. 0.9 tonne 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, 16,904.26 tonnes and 3,349.73 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137 and Tuen Mun Area 38 respectively, while 88.0 tonnes of general refuse were disposed of at SENT landfill. 152.3 tonnes of metals, 0 tonnes of paper/cardboard packaging, 0.8 tonne of plastic and 0 tonne of timber were collected by recycling contractors in the reporting quarter. 0 tonne of inert C&D materials was reused on site. 354.3 tonnes of fill materials were imported for use at site and 44,784.5 tonnes of inert C&D materials were reused in other projects. 0 tonnes of inert C&D materials were disposed to sorting facility and 0 tonne of chemical wastes were 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

One exceedance of Action Level of 24-hour TSP for Air Quality were recorded at monitoring station AM2A, while there was no breach of Limit Level for Air Quality and Action or Limit Levels for Noise monitoring in the reporting quarter. Details of the exceedances are as follows:

On 4 February 2019, an exceedance of 24-hr TSP was recorded at monitoring station AM2A. The measured level was at 207 µg/m³ while the action level is at 151.1 µg/m³. The contractors, IEC and ER were informed of the exceedance. Investigation has been carried out and it is revealed that the contractors of M+ Museum and Lyric Theatre Complex have already implemented dust mitigation measures to reduce the dust impact from their construction works. An observation regarding not providing water spraying for handling dusty materials was recorded during the environmental site inspection at Lyric Theatre Complex on 4 Feb 2019. But the contractor had immediately rectified the observation within 5-10 minutes of noticing this observation, so it is deemed that the contribution to the exceedance was minor. Moreover, it should be noted that there was open trench excavation carried out by another contractor at Austin Road West on 4 Feb 2019, but no dust mitigation measures were provided. This may also have contributed to the 24-hr TSP exceedance during the concerned monitoring period. Nonetheless, the contractors were reminded to strengthen the implementation of the recommended dust control measures.

There was no breach of Limit Level for Air Quality and Action or Limit Levels for Noise monitoring in the reporting month.

No environmental complaints and no notifications of summons or successful prosecution were received in the 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 continue, 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 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. One exceedance of Action Level of 24-hour TSP for Air Quality were recorded. There was no breach of Limit levels for Air Quality (1-hour TSP and 24-hour TSP) and Noise in this reporting quarter.

No environmental complaint was received during the reporting quarter. No notification of summons and no 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

11



Appendices

- A. Project Organisation
- B. Construction Programme
- C. Environmental Mitigation Measures Implementation Status
- D. Meteorological Data Extracted from Hong Kong Observatory
- E. Graphical Plots of the Monitoring Results
- F. Waste Flow table
- G. Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

A. Project Organisation

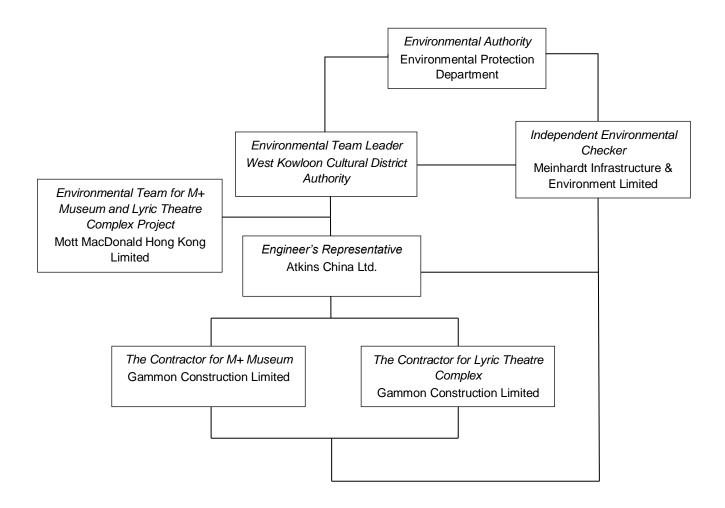


Table A-1: Contact information

Company Name	Role	Name	Telephone
Atkins China Ltd.	Assistant Resident Engineer	Ms. Gloria Lui	5506 6361
Meinhardt Infrastructure & Environment Limited	Independent Environmental Checker	Mr. Fredrick Leong	2859 1739
Gammon Construction Limited (M+ Museum)	Environmental Manager	Mr. Andy Leung	9489 0035
Gammon Construction Limited (Lyric Theatre Complex)	Environmental Manager	Ms. Sammie Chan	9864 4296
Mott MacDonald Hong Kong Ltd.	Contractor's Environmental Team Leader	Mr. Thomas Chan	2828 5757
West Kowloon Cultural District Authority	Senior Environmental Specialist	Mr. Brian Tam	2200 0059

B. Construction Programme

M+ Museum

		-	-	-		arget Program (Re	v_0; 28Jan19) -	CMWP_R0								age 1	/ 4
ID	Activity	OD	Start	Finish	TF	Qtr 4 p Oct Nov Dec	Qtr 1 Jan Feb Mar	Qtr 2 Apr May		Qtr 3	Sep	Qtr 4 Oct Nov Dec	Qtr 1 Jan Feb		Qtr 2		tr 3 Jul
	+ Project Remaining Works @ 10 Sep 2018 Target Program (Rev_0; 28Jan1 AL & PRELIMINARIES (Remaining Works @ 10 SEP 2018)	9)	•								++			·····			
PROJE	CT KEY COMPLETION DATES									· · · · · · · · · · · · · · · · · · ·							
OP1	tion Obligations (*constrained dates for critical paths) Podium, M+ Tower & CSF - Obtain OP for the Whole of M+	0		31-Mar-20*	0												
PC2 OP2	CSF - Obtain PC for H'over to Employer (Incl. Zone B2_Z07 - Loading Bays) RDE - Obtain OP for H'over to Employer	0		31-Mar-20* 30-May-20*	1 1												
PC1 BASEME	Podium, M+ Tower & RDE - Obtain PC for Hover to Employer ENT & PODIUM	0		30-Jun-20*	0				-	·	++		·				
Constru										 							
	rium > GF ? Summary										++						
1202	[LoE] POD_GF_AUD - Rem Structural Works	140	29-Dec-18	21-Jun-19	180					·	++						
9350 9351	[LoE] POD_GF_AUD - MEP 1st, 2nd & final fix [LoE] POD_GF_AUD - ABWF Works	165 253	23-Apr-19 23-Apr-19	07-Nov-19 28-Feb-20	5 101						· · · · · · · · ·						
	s (B1-GF) 2 Summary				_						++						
9352 9361	[LoE] POD_GF_Cinema - Structural Works	120 116	11-Feb-19 18-Jul-19	04-Jul-19 03-Dec-19	2 13			*****	*****			· · · · · · · · · · · · · · · · · · ·					
9371	[LoE] POD_GF_Cinema - MEP Works [LoE] POD_GF_Cinema - ABWF Works	139	02-Jul-19	13-Dec-19	52					KXXXXXX	******						
	Image Centre Lobby/Bar & Museum Shop No.2 (B1-GF) - POD_B1_Z09b 2 Summary									·							
9380 9381	LoE] POD_B1_Z09b - Struct'l Works LoE] POD_B1_Z09b - MEP Works	97 83	09-Apr-19 26-Aug-19	02-Aug-19 03-Dec-19	17							······					
9382 9489	LoE] POD_B1_Z09b - ABWF Wrks (Drying w/ Wild Air not req'd) LoE] POD_B1_Z09b - ABWF Wrks (Drying w/ Wild Air req'd)	100 41	26-Jul-19 27-Nov-19	22-Nov-19 15-Jan-20	1 132												
Lecture	Theatre & Adja cent Areas	41	27-1107-13	13-5411-20	132					· · · · · · · · · · · · · · · · · · ·		·····					
1203	2 Summary [LoE] POD GF LTH - Struct'I WOrks	203	15-Nov-18	23-Jul-19	10			· · · · · · · · · · · · · · · · · · ·		××							
8205 8204	[LoE] POD_GF_LTH - MEP Works [LoE] POD_GF_LTH - ABWF Wiks (Drying w/ Wild Air not req'd)	95 166	03-Jul-19 03-Jun-19	24-Oct-19 18-Dec-19	35 148					· · · · · · · · · · · · · · · · · · ·	÷÷						
9383	[LoE] POD_GF_LTH - ABWF Wiks (Drying w/ Wild Air req'd)	45	18-Nov-19	10-Jan-20	136					·	$\frac{1}{1}$ $\frac{1}{1}$						
	g Centre & Adjacent Areas (GF & 1/F) 2 <i>Summary</i>										+ + + + + + + + + + + + + + + + + + +						
9398 9399	[LoE] POD_GF_LC & Adj Areas (GF & 1/F) - Struct'l Wrks [LoE] POD_GF_LC & Adj Areas (GF & 1/F) - MEP Wrks	160 129	24-Sep-18 29-May-19	11-Apr-19 31-Oct-19	71 89				-¦ -	· · · · · · · · · · · · · · · · · · ·	+ + + +				- <mark> </mark>		
9426	[LoE] POD_GF_LC & Adj Areas (GF & 1/F) - ABWF Wrks (Drying w/ Wild Air not req	140	18-May-19	02-Nov-19	193					·	++						
9451 Moving	[LoE] POD_GF_LC & Adj Areas (GF & 1/F)_L2SUM - ABWF Wrks (Drying w/ Wild A Image Centre (GF-1M) - POD_GF_Z01	42	18-Nov-19	07-Jan-20	139					·							
Level 2 9452	2 Summary [LoE] POD_GF_Z01_MIC (GF-1M) - Struct'l Works	111	28-Sep-18	15-Feb-19	51					· · · · · · · · · · · · · · · · · · ·							
9453	[LoE] POD_GF_Z01_MIC (GF-1M - MEP Works	101	22-May-19	19-Sep-19	63			C		· · · · · · · · · · · · · · · · · · ·	÷	·····					
9454 Found 8	[LoE] POD_GF_Z01_MIC (GF-1M - ABWF Works Industrial Spaces (B2-GF) - POD_B2_Z13	163	23-Apr-19	05-Nov-19	191					·	++						
Level 2 9852	2 Summary [LoE] POD_GF_B2_Z13_Fnd & Ind'I Sps (B2-GF) - Struct Works _Floating Slab	60	23-May-19	02-Aug-19	50					· · · · · · · · · · · · · · · · · · ·	+ + +	· · · · · · · · · · · · · · · · · · ·					
9455	[LoE] POD_GF_B2_Z13_Fnd & Ind'I Sps (B2-GF) - MEP Wrks	90	04-Jul-19	19-Oct-19	16			· · · · · · · · · · · · · · · · · · ·		 	++						
9456 9457	[LoE] POD_GF_B2_Z13_Fnd & Ind'I Sps (B2-GF) - ABWF Wrks (Drying w/ Wild Air [LoE] POD_GF_B2_Z13_Fnd & Ind'I Sps (B2-GF) - ABWF Wrks (Drying w/ Wild Air	164 82	09-May-19 20-Nov-19	21-Nov-19 04-Mar-20	99 97												
Level 8	2 2 Summary													· · · · · · · · · · · · · · · · · · ·			
9458	[LoE] POD_B2 - Struct'l Works	192	26-Nov-18	20-Jul-19	37		++	+			++						
9459 9460	[LoE] POD_B2_Z01 to B2_Z04_Plant Rms - MEP Works [LoE] POD_B2_Z01 to B2_Z04_Plant Rms - ABWF Works	282 279	12-Oct-18 03-Dec-18	21-Sep-19 09-Nov-19	61 187				-! !		·····						
9461 9462	[LoE] POD_B2_Z05 to B2_Z06_Toilets - MEP Works [LoE] POD_B2_Z05 to B2_Z06_Toilets - ABWF Wrks (Drying w/ Wild Air not req'd)	127 142	13-Apr-19 28-Mar-19	11-Sep-19 13-Sep-19	129 227				-; ;								
9767 9465	[LoE] POD_B2_Z05 to B2_Z06_Toilets - ABWF Wrks (Drying w/ Wild Air req'd) [LoE] POD_B2_Z07 to B2_Z08_Plant Rms - MEP Works	18 223	18-Nov-19 26-Feb-19	07-Dec-19 20-Nov-19	163 12			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~	*****	×××××						
9466	[LoE] POD_B2_Z07 to B2_Z08_Plant Rms - ABWF Works	354	17-Dec-18	29-Feb-20	100						1 1	·					
	2 Summary									· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·			
9471 9472	[LoE] POD_B1 - Structural Works [LoE] POD_B1_Z02 to B1_Z05_ BoH/Plant Rm/Kit - MEP Works	213 247	27-Oct-18 22-Jan-19	16-Jul-19 20-Nov-19	26 160						<u>+</u> +						
9475 9476	[LoE] POD_B1_Z02 to B1_Z05_BoH/Plant Rm/Kit - ABWF Works [LoE] POD_B1_Z06_Toilets - MEP Works	274 244	09-Jan-19 26-Feb-19	09-Dec-19 14-Dec-19	162 51												
9477 9479	[LoE] POD_B1_Z06_Toilets - ABWF Works [LoE] POD_B1_Z07_BoH/Lobbies/Non-FR Corr - MEP Works	293 156	02-Jan-19 26-Feb-19	24-Dec-19 30-Aug-19	149 79						<u>+</u> +	·					
9480	[LoE] POD_B1_Z07_BoH/Lobbies/Non-FR Corr - ABWF Works	211	11-Feb-19	22-Oct-19	203						-						
9482 9483	[LoE] POD_B1_Z08/09a/10_FoH MEP Works [LoE] POD_B1_Z08/09a/10_FoH ABWF Works	137 233	24-Jun-19 17-Jun-19	04-Dec-19 28-Mar-20	0 76						·····						
9484 9485	[LoE] POD_B1_Z11/12/14/16/17/18a_BoH/R Corr/Lobby/Carpark_Z - MEP Works [LoE] POD_B1_Z11/12/14/16/17/18a_BoH/R Corr/Lobby/Carpark ABWF Works	215 246	26-Feb-19 04-Mar-19	11-Nov-19 23-Dec-19	20 150									· · · · · · · · · · · · · · · · · · ·			
9486 9487	[LoE] POD_B1_Z15_Carriageway & Ramp - Stage 1_ABWF & MEP Works [LoE] POD_B1_Z15_Carriageway & Ramp - Stage 2_ABWF & MEP Works	90 78	23-Apr-19 27-Aug-19	08-Aug-19 28-Nov-19	74 97						1 1			 			
Level Lo										·	++		·				
9488	2 Summary [LoE] POD_LG - Structural Works	58	15-May-19	23-Jul-19	1				·	<u>∞∞</u>	· · · · · · · · · · · · · · · · · · ·						
9490 9491	[LoE] POD_LG_Z01/02/03_BoH/FR Corr/Lob/Carpark - MEP Works [LoE] POD_LG_Z01/02/03_BoH/FR Corr/Lob/Carpark - ABWF Works	144 227	26-Feb-19 28-Jan-19	16-Aug-19 02-Nov-19	91 193				-!!								
9492 9493	[LoE] POD_LG_Z04/5/6/18d_Multi-Media/Cine Lob/Corr/BoH - MEP Works [LoE] POD_LG_Z04/5/6/18d_Multi-Media/Cine Lob/Corr/BoH - ABWF Works	113 163	22-Jul-19 10-Jul-19	03-Dec-19 21-Jan-20	1 127			, , , , , , , , , , , , , , , , , , ,			÷*****						
Level G	F										· + + + + + + + + + + + + + +			· · · · · · · · · · · · · · · · · · ·			
9494	2 Summary [LoE] POD_GF - Structural Works_Slab (excl. FG/5-7)	60	24-Sep-18	05-Dec-18	0												
9495 9496	[LoE] POD_GF - Structural Works_Slab_FG/5-7 [LoE] POD_GF - Structural Works_Walls	42 138	26-Mar-19 06-Nov-18	15-May-19 25-Apr-19	3 35												
9497 9520	[LoE] POD_GF - Structural Works_Staircases [LoE] POD_GF_Z02_Toilets/BoH/Corr/Lob - MEP Works	131 207	04-Dec-18 15-Feb-19	16-May-19 22-Oct-19	84 97					· · · · · · · · · · · · · · · · · · ·							
9523 9524	[LoE] POD_GF_Z02_Toilets/BoH/Corr/Lob - ABWF Works [LoE] POD_GF_Z03_Museum Shop & BoH - MEP Works	237 105	28-Jan-19 29-Apr-19	14-Nov-19 31-Aug-19	183 78			· · · · · · ·	-! !	·	++ 1 :						
9525	[LoE] POD_GF_Z03_Museum Shop & BoH - ABWF Works	148	15-Apr-19	10-Oct-19	213					· · · · · · · · · · · · · · · · · · ·							
9526 9527	[LoE] POD_GF_Z07_FoH Main Lobby - MEP Works [LoE] POD_GF_Z07_FoH Main Lobby - ABWF Works	141 231	30-Mar-19 09-Mar-19	16-Sep-19 11-Dec-19	30 160				-i i	·	÷						
9528 9529	[LoE] POD_GF_Z08 & GF_Z04_Ext Perimeter & Courtyard - MEP Works [LoE] POD_GF_Z08 & GF_Z04_Ext Perimeter & Courtyard - ABWF Works	96 158	25-Jul-19 18-May-19	16-Nov-19 23-Nov-19	15 175			: : 🗖	• •		· ·						
9530 9531	[LoE] POD_GF_Z09_Temp Exh. & BoH Surrounding - MEP Works [LoE] POD_GF_Z09_Temp Exh. & BoH Surndg - ABWF Works (Drying w/ Wild Air r	160 191	20-Apr-19 07-Mar-19	30-Oct-19 23-Oct-19	30 96				;		++						
9532	[LoE] POD_GF_Z09_Temp Exh. & BoH Sumdg - ABWF Works (Drying w/ Wild Air r	37	18-Nov-19	31-Dec-19	144					· · · · · · · · · · · · · · · · · · ·	++						
Level 1 Level 2	2 Summary																
9533 9534	[LoE] POD_L1 - Structural Works [LoE] POD_L1_Museum Shop Offices/Store/Lob - MEP Works	113 73	30-Oct-18 03-May-19	19-Mar-19 29-Jul-19	90 107					· · · · · · · · · · · · · · · · · · ·		·	·	-			
9535	[LoE] POD_L1_Museum Shop Offices/Store/Lob - ABWF Works	121	11-Apr-19	02-Sep-19	243					;							
Level 11	MF 2 <i>Summary</i>																
9536 9537	[LoE] POD_1M - Structural Works [LoE] POD_1M_Z01 to 1M_Z04_MEP Plant Rms/Lob/Corr - MEP Works	95 227	24-Oct-18 26-Feb-19	20-Feb-19 25-Nov-19	83 2			· · · · · · · · · · · · · · · · · · ·	······		÷÷	××××××××××××					
9537 9538	[LoE] POD_1M_201 to 1M_204_MEP Plant Rms/Lob/Corr - MEP Works [LoE] POD_1M_Z01 to 1M_Z04_MEP Plant Rms/Lob/Corr - ABWF Works	329	26-Feb-19 06-Dec-18	25-Nov-19 13-Jan-20	134						++						
	▼ ▼ Milestone Current - Fcd Works Current - Other Works ⊠ Critical Works	CMW		-) 10 Sep 2018 Targ			19)	Date 28-Jan-19	CMV	Revisi WP Rev. 0 - Submiss	-		cked A BG	Approve à	эd
50	Current - Struct Works Current - MEP Works		ı arget F	rogramn	ne - L	evel 2 Summ	ary Bar Ch	art								_	
	Current - ABWF Works																

D Activity		ining Works @ 1 Start Finis		arget Program	(Rev_0; 28Jan19) -	CMWP_R0_1 201	9	 202	•	e 2 / 4
				Qtr 4 p Oct Nov [Qtr 1 Dec Jan Feb Mar	Qtr 2	Qtr 3	Qtr 1	Qtr 2	Qtr 3 Jul
Level 2 Level 2 Summary								 		·
9543[LoE] POD_L2 - Structural Works9547[LoE] POD_L2_Z01_Temp Exh/Gal/BoH/Lob/Corr - MEP Works9548[LoE] POD_L2_Z01_Temp Exh/Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air9549[LoE] POD_L2_Z01_Temp Exh/Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air9550[LoE] POD_L2_Z02_Gal/BoH/Lob/Corr - MEP Works9551[LoE] POD_L2_Z02_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air not req'd)9552[LoE] POD_L2_Z02_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air req'd)9553[LoE] POD_L2_Z03_Gal/BoH/Lob/Corr - MEP Works9554[LoE] POD_L2_Z03_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air not req'd)	199 26- 201 13- 81 23- 209 21- 211 14- 130 18- 210 16-	Oct-18 25-Mar Feb-19 23-Oct Feb-19 12-Oct Dec-19 06-Apr Mar-19 27-Nov Mar-19 22-Nov Nov-19 28-Apr Mar-19 23-Nov Mar-19 17-Dec	-19 36 -19 205 -20 70 -19 6 -19 176 -20 51 -19 9							
9555 [LoE] POD_L2_Z03_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air req'd) 9557 [LoE] POD_L2_Z04_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air not req'd) 9558 [LoE] POD_L2_Z04_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air not req'd) 9559 [LoE] POD_L2_Z04_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air not req'd) 9559 [LoE] POD_L2_Z04_Gal/BoH/Lob/Corr - ABWF Wrks (Drying w/ Wild Air req'd) 9560 [LoE] POD_L2_Z05_Plaza - MEP Works 9561 [LoE] POD_L2_Z05_Plaza - ABWF Works Level L3 Laster Las	91 21- 207 23- 250 19- 150 18- 108 08	Jan-20 15-May Mar-19 27-Nov Mar-19 14-Jan Nov-19 22-May -Jul-19 14-Nov Jun-19 20-Jan	-20 37 -19 66 -20 133 -20 31 -19 18							
Level 2 Summary9562[LoE] POD_L3 - Structural Works9563[LoE] POD_L3_Z01 & L3_Z02 - MEP Works9564[LoE] POD_L3_Z01 & L3_Z02 - ABWF Works9751[LoE] POD_L3_Hard & Soft Landscaping incl MEP Works	159 19- 201 25-	Oct-18 22-May Apr-19 29-Oct Mar-19 22-Nov Mar-19 17-Feb	-19 32 -19 177							
EWS (External Wall System) Level 2 Summary										
1210 [LoE] POD_EWS_1MF - Podium Level 1MF Install Facade 8049 [LoE] POD_EWS_L2 - Podium Level 2 Install Facade 9565 [LoE] POD_EWS_B1F - Pisa South Peri_Install GW 9566 [LoE] POD_EWS_GF - Pisa Ceramic Tube Wall/GW w/ Ceramic Mullion Install 9567 [LoE] POD_EWS_2F_BF/11-13 - Pisa_East/West_Install GW 9568 [LoE] POD_EWS_3F- Skylight/Shop Front Glazing/Garden Roof & Wall Install 9569 [LoE] POD_EWS_GF- Corrugated Alum Perforated Panels Vertical Tra nspor ta tion Level 2 Summary	139 18- 110 04- 60 08- 72 03 154 01-	Oct-18 25-Jul Dec-18 10-Jun May-19 11-Sep Jun-19 17-Aug -Jul-19 25-Sep Mar-19 02-Sep Apr-19 24-Dec	-19 13 -19 1 -19 18 -19 118 -19 118							
9752 [LoE] POD_Verti_ Transport_Lift - Fireman's Lift 9753 [LoE] POD_Verti_ Transport_Lift - Other Lift		Dec-18 05-Jun Jan-19 14-Aug						 		
9754 [LoE] POD_Verti_ Transport_Esc - Escalators Risers Level 2 Summary		May-19 29-Nov	-19 64							· · · · · · · · · · · · · · · · · · ·
9570 [LoE] POD_Risers (Stg 1_Duct 1/2/3/5) 9787 [LoE] POD_Risers (Stg 2_Duct 4)		Nov-18 22-Apr -Jul-19 12-Sep								
Staircases Level 2 Summary										
9761 [LoE] POD_Staircases - Not Required for Pressurisation 9762 [LoE] POD_Staircases - Required for Pressurisation		-Apr-19 28-Oct -Apr-19 22-Oct								
M+ TOWER Construction										
Level 4										
Level 2 Summary 9851 [LoE] TW_L4 - Rem Structural Works (ST-02/02A) 6562 [LoE] TW_L4 - MEP Works (exd other prelim works) 6561 [LoE] TW_L4 - ABWF Works (excl wet trades or other prelim works) Level 5	98 01-	Nov-18 21-Nov Jun-19 26-Sep Apr-19 30-Oct	-19 21							
Level 2 Summary 6546 [LoE] TW_L5 - MEP Works (exd other prelim works)	135 30-	-Apr-19 10-Oct	-19 99						·	
6545 [LoE] TW_L5 - ABWF Works (excl wet trades or other prelim works) Level 6 Level 2 Summary		Apr-19 31-Oct								
6559 [LoE] TW_L5 - MEP Works (exd other prelim works) 6558 [LoE] TW_L6 - ABWF Works (excl wet trades or other prelim works) Level 7 Level 2 Summary		Feb-19 08-Nov Apr-19 18-Nov								· · · · · · · · · · · ·
6557 [LoE] TW_L7 - MEP Works (exd other prelim works) 6556 [LoE] TW_L7 - ABWF Works (excl wet trades or other prelim works) Level 8 Level 2 Summary	178 23	Feb-19 13-Nov Apr-19 22-Nov	-19 70							
6555 [LoE] TW_L8 - MEP Works (exd other prelim works) 6554 [LoE] TW_L8 - ABWF Works (excl wet trades or other prelim works) Level 9 Level 2 Summary		Feb-19 19-Nov Apr-19 28-Nov								· · · · · · · · · · · · · · · · · · ·
6553 [LoE] TW_L9 - MEP Works (exd other prelim works) 6552 [LoE] TW_L9 - ABWF Works (excl wet trades or other prelim works) Level 10 Level 2 Summary		Feb-19 28-Nov Apr-19 07-Dec								
6551 [LoE] TW_L10 - MEP Works (excl other prelim works) 6550 [LoE] TW_L10 - ABWF Works (excl wet trades or other prelim works) Level 11 Level 2 Summary		Feb-19 28-Nov Feb-19 07-Dec								
6548 [LoE] TW_L11 - MEP Works (excl other prelim works) 6547 [LoE] TW_L11 - ABWF Works (excl wet trades or other prelim works)		Feb-19 26-Nov Feb-19 06-Dec				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
Level 12 Level 2 Summary								 		
6563 [LoE] TW_L12 - Structural Works (ST-02/02a) 6565 [LoE] TW_L12 - MEP Works (excl other prelim works)		-Oct-18 05-Nov Feb-19 03-Dec					· · · · · · · · · · · · · · · · · · ·			
6564 [LoE] TW_L12 - ABWF Works (excl wet trades or other prelim works) Level 13 Level 2 Summary	255 11-	Feb-19 12-Dec								· · · · · · · · · · · · · · · · · · ·
6566 [LoE] TW_L13 - Structural Works (ST-02/02a) 6568 [LoE] TW_L13 - MEP Works (excl other prelim works) 6567 [LoE] TW_L13 - ABWF Works (excl wet trades or other prelim works) Level 14	242 26-	Nov-18 26-Nov Feb-19 12-Dec Mar-19 21-Dec	-19 50							
Level 2 Summary 6569 [LoE] TW_L14 - Structural Works (ST-03, 02, 02a) 6572 [LoE] TW_L14 - MEP Works 6570 [LoE] TW_L14 - ABWF Works (excl wet trades or other prelim works) Level 15	242 26-	Nov-18 17-Dec Feb-19 12-Dec Mar-19 21-Dec	-19 50							
Level 2 Summary 6573 [LoE] TW_L15 - Structural Works (ST-02/02a/03 & East Core Rem Structure)	61 29	-Oct-18 09-Jan	-19 161							
6575 [LoE] TW_L15 - MEP Works 6574 [LoE] TW_L15 - ABWF Works (excl wet trades or other prelim works) Level 16 Level 2 Summary	225 26-	Feb-19 23-Nov Mar-19 03-Dec	-19 67							
6576 [LoE] TW_L16 - Structural Works (Rem Superstructure & Stair Cases) 6578 [LoE] TW_L16 - MEP Works		-Oct-18 14-Jan Feb-19 09-Nov								
6578 [LoE] TW_L16 - MEP Works 6577 [LoE] TW_L16 - ABWF Works (excl wet trades or other prelim works) Level RF Level 2 Summary		Heb-19 09-Nov Apr-19 19-Nov								
6579 [LoE] TW_RF - Structural Works (Rem Super-structure Works) 6581 [LoE] TW_RF - MEP Works	183 29-	Oct-18 14-Jan Jan-19 11-Sep	-19 118			·····		 		
6580 [LoE] TW_RF - ABWF Works	192 19-	Feb-19 09-Oct	-19 109							

Activity	OD	Start	Finish	TF		Qtr 4	Qtr 1		019	Otr 4		2020	2
					p Oct		Dec Jan Feb Mar A	Qtr 2 pr May Jur	Qtr 3 Jul Aug Sep O	Qtr 4 ct Nov Dec	Qtr 1 c Jan Feb Ma	Qtr Ir Apr Ma	
Level 2 Summary 6583 [LoE] TW_URF - Structural Works	75	31-Oct-18	29-Jan-19	34		+			+				
6583 [LOE] TW_URF - Structural Works 9857 [LoE] TW_URF - MEP Works	75 48	27-Jul-19	29-Jan-19 23-Sep-19	43		++							
WS (External Wall System)						++							
Level 2 Summary 4246 [LoE] TW_EWS - Facade Erection (Super Structure Weather Tight Phase)	187	12-Oct-18	31-May-19	29		++							
4246 [LoE] TW_EWS - Facade Erection (Super Structure Weather Fight Phase) 9858 [LoE] TW_EWS - Facade Erection (Wet Zone)	75	31-May-19	29-Aug-19	141					- <u>-</u>				
ertical Transportation													
Level 2 Summary 4247 [LoE] TW_Lift - Lifts Install (Shaft & Lift Works Summarised)	208	15 Jan 10	26-Sep-19	117									
lisers	208	15-Jan-19	20-3ep-19	117		++							
Level 2 Summary						+ + + + + + +		¹ , ¹ ,		·			
1234 [LoE] TW_Riser - Risers	120	15-Dec-18	16-May-19	95									
taircases						++							
Level 2 Summary 4248 [LoE] TW_ST - ST02a and ST02 ABWF & MEP Works	93	24-Jan-19	21-May-19	224		$\frac{1}{7}$ $\frac{1}{7}$							
9859 [LoE] TW_ST - ST02a and ST02 Finishing Works	22	11-Jul-19	05-Aug-19	161									
9860 [LoE] TW_ST - ST01 and ST03 ABWF & MEP Works	74	18-Jul-19	16-Oct-19	103		<u> </u> <u>+</u> <u>+</u>							
F BUILDING													
evel GF			,	_									
Level 2 Summary													
9861 [LoE] CSF_GF - Rem Parapet Wal, Struct Remedial Works	36	21-Jan-19	09-Mar-19	79		ii i				·			
5790 [LoE] CSF_GF - MEP Works5789 [LoE] CSF_GF - ABWF Works (excl wet trades / other prelim works)	102 145	13-May-19 18-Mar-19	10-Sep-19 06-Sep-19	144 165									
9862 [LoE] CSF_GF - ABWF Works (Excl wer trades / other plenth works)	23	22-Jan-20	25-Feb-20	30		++							
evel 1						= = = = + + + + + + + + + + + + + +							
Evel 2 Summary		00.01115	04 D: 10	000	<u>-</u> -	· · · · · · · · · · · · · · · · · · ·				·			
5501 [LoE] CSF_L1 - MEP Works (early works) 9864 [LoE] CSF_L1 - MEP Works	56 174	20-Oct-18 17-Jan-19	24-Dec-18 19-Aug-19	233 71		4 4			<u></u>				
5500 [LoE] CSF_L1 - ABWF Works (excl wet trades / other prelim works)	144	07-Mar-19	26-Aug-19	175	 -;	$\frac{1}{1} = \frac{1}{1}$ $\frac{1}{1} = \frac{1}{1}$							
evel 2						¦			+				
Level 2 Summary 5731 [LoE] CSF_L2 - MEP Works (early works)	56	20-Oct-18	24-Dec-18	232	<u>-</u> -	; ; ;				·			
9865 [LoE] CSF_L2 - MEP Works	150	26-Feb-19	23-Aug-19	79	1				-;;;;;;;				
5730 [LoE] CSF_L2 - ABWF Works (excl wet trades / other prelim works)	168	12-Feb-19	30-Aug-19	171		+ 							
evel 3 Level 2 Summary													<u>-</u>
5677 [LoE] CSF_L3 - MEP Works (early works)	56	20-Oct-18	24-Dec-18	233		<u></u>			······				
9867 [LoE] CSF_L3 - MEP Works	174	17-Jan-19	19-Aug-19	101									
5676 [LoE] CSF_L3 - ABWF Works (excl wet trades / other prelim works) evel 4	140	12-Mar-19	26-Aug-19	175									
Level 2 Summary					- <u> </u>	++			+				
5621 [LoE] CSF_L4 - MEP Works	106	26-Apr-19	30-Aug-19	61	1	+ + + + + + + + + + + + + + +							
5620 [LoE] CSF_L4 - ABWF Works (excl wet trades / other prelim works) evel 5	127	09-Apr-19	06-Sep-19	165									
evel 5 Level 2 Summary						· · · · · · ·			+				
5502 [LoE] CSF_L5 - Structural Works (ST-52)	18	29-Oct-18	17-Nov-18	154									
5566 [LoE] CSF_L5 - MEP Works	106	26-Apr-19	30-Aug-19	73									
5565 [LoE] CSF_L5 -ABWF Works (excl wet trades / other prelim works) evel 6	115	23-Apr-19	06-Sep-19	165		++							
Level 2 Summary						++							
5791 [LoE] CSF_L6 - Structural Works	29	06-Nov-18	08-Dec-18	154				<u>-</u>					
5849 [LoE] CSF_L6 - MEP Works 5848 [LoE] CSF_L6 - ABWF Works (excl wet trades / other prelim works)	119 137	26-Apr-19 23-Apr-19	16-Sep-19 04-Oct-19	48 143									
evel 7	10,	2070110	0100010	110		<u>+</u> <u>+</u>							
Level 2 Summary													
5850 [LoE] CSF_L7 - Structural Works (Perim. Wall to 8/F) 9868 [LoE] CSF_L7 - Structural Works (ST-52)	38 18	12-Oct-18 22-Feb-19	26-Nov-18 14-Mar-19	170 98		;							
6105 [LoE] CSF_L7 - MEP Works	173	26-Apr-19	20-Nov-19	9		++		*******					
6104 [LoE] CSF_L7 - ABWF Works (excl wet trades / other prelim works)	188	23-Apr-19	04-Dec-19	92									
evel 8 & Roof Level Level 2 Summary										·			
6255 [LoE] CSF_L8 - Structural Works	124	12-Oct-18	15-Mar-19	31		<u></u>		 					
6257 [LoE] CSF_L8 - MEP Works	237	31-Jan-19	18-Nov-19	8		+ + + + +		*****		×××××			
6256 [LoE] CSF_L8 - ABWF Works WS (External Wall System)	241	16-Feb-19	02-Dec-19	94									
Level 2 Summary						++							
3844 [LoE] CSF_L8_&_Roof - EWS (External Wall System)	177	20-Dec-18	27-Jul-19	42	1	·							
6331 [LoE] CSF_L8_&_Roof - Roof Waterpoofing & Panels ertical Transportation	153	15-Apr-19	16-Oct-19	30		· · · · · · · · · · · · · · · · · · ·			- I				
Level 2 Summary													
3845 [LoE] CSF_LT-51/LT-53	213	16-Mar-19	27-Nov-19	54		1 1 1			- <u>-</u> <u>+</u> <u>+</u> <u>+</u>	· · · · · · · · · · · · · · · · · · ·			
6163 [LoE] CSF_LT-52	118	10-Jul-19	27-Nov-19	54		$\frac{1}{1}$							
lisers Level 2 Summary													
3846 [LoE] CSF_RISERS - Risers MEP Works	142	12-Nov-18	07-May-19	125		++	iiiiiii						
taircases										·			
Level 2 Summary		4014	04.1.15	000					·				
6187 [LoE] CSF_ST - Stair Cases (ST51 & ST52) esting & Commissioning	80	18-Mar-19	21-Jun-19	230		++							
evel 2 Summary						1 1 1 1 1 1 1 1 1 1 1							
[LoE] Level 2 Summary - Wild Air Stage 1 T&C (1/F to 5/F)	96	15-Apr-19	07-Aug-19	130		++		 					
Image: Signal	46 36	09-Oct-19 05-Nov-19	30-Nov-19 16-Dec-19	34 50									
E BUILDING	30	00-1400-19	-0-Dec-19	- 50		++							
onstruction						<u>+</u> <u>+</u>				·			
evel GF													
Level 2 Summary					[[T T 							
6588 [LoE] RDE_GF - MEP Works 6587 [LoE] RDE_GF - ABWF Works	251 276	16-Jan-19 29-Dec-18	19-Nov-19 02-Dec-19	29 168		т + 							
6587 [LoE] RDE_GF - ABWF Works evel 1	210	20-Det-10	02-Dec-18	100	1								
Level 2 Summary						+ + 							L
6589 [LoE] RDE_L1 - Structural Works (late cast area)	5	02-Mar-19	07-Mar-19	112	- <u> </u>								
6591 [LoE] RDE_L1 - MEP Works 6590 [LoE] RDE_L1 - ABWF Works	321 347	29-Nov-18 10-Nov-18	26-Dec-19 08-Jan-20	16 138					-;;;;;				
evel 2						T T 							
Level 2 Summary						T T T				·			
6592 [LoE] RDE_L2 - Structural Works (late cast area)	5	25-Feb-19	01-Mar-19	13						·		, = = = = = = = = = = = = = =	
6595 [LoE] RDE_L2 - MEP Works 6594 [LoE] RDE_L2 - ABWF Works	259 287	01-Dec-18 10-Nov-18	16-Oct-19 29-Oct-19	58 198						.			L
evel 3										· • • • • • • • • • • • • • • • • • • •			
Level 2 Summary													
6596[LoE] RDE_L13 - Structural Works (late cast strip)6598[LoE] RDE_L13 - MEP Works	5 259	19-Feb-19 01-Dec-18	23-Feb-19 16-Oct-19	13 58			S		<u></u>				
6598 [LOE] RDE_L13 - MEP Works 6597 [LoE] RDE_L13 - ABWF Works	259	10-Nov-18	29-Oct-19	58 198	- <u> </u>								
					1-2-2-2	+ 1 1							

Activity		OD	Start	Finish	TF	Qtr 4 Qtr 1 D Oct Nov Dec Jan Feb Mar	2019 Qtr 2 Apr May Jun Jul	Qtr 3 Aug Sep	Qtr 4	4 Qtr ⁻	1	020 Qtr 2 pr May	Jun
	DE_L4 - Structural Works (late cast strip) DE_L4 - MEP Works	5 271	13-Feb-19 01-Dec-18	18-Feb-19 30-Oct-19	13 46								
6600 [LoE] R	DE_L4 - ABWF Works	271	10-Nov-18	11-Nov-19	186			· • +	+				
Level 5 <i>Level 2 Summa</i>	ry												
6602 [LoE] R	DE_L5 - Structural Works (ST & late cast strip)	90	22-Oct-18	12-Feb-19	13		1 I I I 1 I I I		i i				
6603 [LoE] R	IDE_L5 - MEP Works IDE_L5 - ABWF Works	277 294	23-Nov-18 10-Nov-18	29-Oct-19 05-Nov-19	47 191		; ; ; ; ; ;	·					
∟evel 6 <i>Level 2 Summa</i>	rv								 	· · · · · · · · · · · · · · · · · · ·			
6584 [LoE] R	DE_L6 - Structural Works (ST & Late Cast Strip)	67	12-Nov-18	30-Jan-19	13				+				
	DE_L6 - MEP Works DE_L6 - ABWF Works	233 294	16-Jan-19 10-Nov-18	29-Oct-19 05-Nov-19	47 191		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					
Level 7													
Level 2 Summa 6606 [LoE] R	DE_L7 - Structural Works (ST & Late Cast Strip)	44	03-Dec-18	24-Jan-19	13			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			
	DE_L7 - MEP Works DE_L7 - ABWF Works	245 281	16-Jan-19 10-Dec-18	12-Nov-19 19-Nov-19	35 179		· · · · · · · · · · · · · · · · · · ·		<u>.</u>				
Level 8									*	· · · · · · · · · · · · · · · · · · ·			
Level 2 Summa 6609 [LoE] R	ry DE_L8 - Structural Works (Rem Slab/Columns; ST & Late Cast Strip)	82	12-Oct-18	18-Jan-19	176				i i i +				
	DE_L8 - MEP Works DE_L8 - ABWF Works	244 261	17-Jan-19 04-Jan-19	12-Nov-19 19-Nov-19	35 179				·				
_evel 9				10110110					+				
6612 [LoE] R	ry DE_L9 - Structural Works, ST & Staircases	78	05-Nov-18	12-Feb-19	89				· · · · · · · · · · · · · · · · · · ·				
6614 [LoE] R	DE_L9 - MEP Works DE_L9 - ABWF Works	223 240	18-Feb-19 29-Jan-19	12-Nov-19 19-Nov-19	35 179			· · · · · · · · · · · · · · · · · · ·	+	· · · · · · · · · · · · · · · · · · ·			
_evel 10		240	25-0411-15	13110713	175								
Level 2 Summa 6616 [LoE] R	ry IDE L10 - Structural Works & Staircases	78	28-Nov-18	07-Mar-19	87								
6617 [LoE] R	DE_L10 - ABWF Works	223	01-Mar-19	23-Nov-19	175		·····	· · · · · · · · · · · · · · · · · · ·	+				
6618 [LoE] R .evel 11	DE_L10 - MEP Works	206	14-Mar-19	16-Nov-19	31								
Level 2 Summa		70	22 Dec 10	01 0= 10	0.4				, , , , , , , , , , , , , , , , ,				
6621 [LoE] R	DE_L11 - Structural Works & Staircases DE_L11 - MEP Works	78 185	22-Dec-18 09-Apr-19	01-Apr-19 16-Nov-19	84 31			· · · · · · · · · · · · · · · · · · ·	<u>.</u>				
6620 [LoE] R _evel 12	DE_L11 - ABWF Works	202	26-Mar-19	23-Nov-19	175								
Level 2 Summa							· · · · · · · · · · · · · · · · · · ·		+			·····	
	DE_L12 - Structural Works & Staircases DE_L12 - MEP Works	88 133	18-Jan-19 16-May-19	09-May-19 23-Oct-19	71 52			· · · · · · · · · · · · · · · · · · ·	<u></u>				
	DE_L12 - ABWF Works	154	03-May-19	05-Nov-19	192			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
Level 2 Summa									1 1 +				
	DE_L13 - Needle Beam, Structural Works & Staircases DE_L13 - MEP Works	88 125	19-Feb-19 11-Jun-19	03-Jun-19 07-Nov-19	68 39								
6627 [LoE] R	DE_L13 - ABWF Works	146	28-May-19	20-Nov-19	179				<u> </u>				
.evel 14 <i>Level 2 Summa</i>	ry												
6629 [LoE] R	DE_L14 - Structural Works & Staircases DE_L14 - MEP Works	67 122	06-Apr-19 06-Jul-19	25-Jun-19 28-Nov-19	68 21				+				
6630 [LoE] R	DE_L14 - MEP Works DE_L14 - ABWF Works	122	22-Jun-19	11-Dec-19	161	↓ - ↓ + → ↓ + → + → + → + → + → + → + → + → + → + → + → + → + → + → + → + → + → - + + → - + → - + + → - + → - + → - + + → - + + → - + + → - + + → - + → - + + = + → - + + → - + + = + → + + + = + + + + = + + + + = + + + +		-	+				
.evel 15 <i>Level 2 Summa</i>	ry							· · · · · · · · · · · · · · · · · · ·					
6632 [LoE] R	DE_L15 - Structural Works & Staircases	94	22-Apr-19	12-Aug-19	46	↓	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
6633 [LoE] R	DE_L15 - MEP Works DE_L15 - ABWF Works	101 117	17-Aug-19 06-Aug-19	16-Dec-19 23-Dec-19	24 150				+				
₋evel 15 WF <i>Level 2 Summa</i>	rv												
6635 [LoE] R	DE_L15MF - Needle Beam, Struct'l Works & Staircases	61	24-May-19	05-Aug-19	29			<mark>_</mark>	i i +				
6636 [LoE] R	DE_L15MF - MEP Works DE_L15MF - ABWF Works	99 129	21-Sep-19 10-Sep-19	18-Jan-20 20-Feb-20	3 108								
_evel 15M/F UF &	& RF												
	DE_L15MF UF & RF - Structural Works	60	02-Jul-19	09-Sep-19	0								
6641 [LoE] R	DE_L15MF UF & RF - MEP Works DE_L15MF UF & RF - ABWF Works	30 54	09-Nov-19 19-Oct-19	13-Dec-19 20-Dec-19	14 146								
WS (External W	_								+	· · · · · · · · · · · · · · · · · · ·			
L2 Summary 3835 [LoE] R	DE_FCD - EWS Facade Install to Weather Tight Stage to Roof LvI	347	27-Dec-18	02-Mar-20	99								
ertical Transpo	rtation												
Level 2 Summa 5413 [LoE] R	ry IDE_FCD - Lifts	276	19-Jan-19	21-Dec-19	22			· · · · · · · · · · · · · · · · · · ·					
	DE_FCD - Escalators	127	02-Feb-19	11-Jul-19	216								
lisers <i>Level 2 Summa</i>	ry												
1235 [LoE] R Staircases	DE_Duct_D - Electrical Riser Duct	127	24-May-19	24-Oct-19	21				 				
Level 2 Summa	ry												
	DE_ST - Staircases ST-71/72 DE_ST - Staircases ST-73/74	92 92	10-Dec-18 12-Aug-19	04-Apr-19 29-Nov-19	368 170					3		,	
esting & Con	nmissioning						· · · · · · · · · · · · · · · · · · ·						
.evel 2 Summar 7642 [LoE] R	y IDE - T&C (early works)	104	15-Nov-19	25-Mar-20	25								
7672 [LoE] R	DE - T&C (back end works)	78	26-Mar-20	25-Mar-20 27-Jun-20	1				+				***
TERNAL WO													
evel 2 Summar	у												
9873 [LoE] IC	- CP_REM - Interfacing Carpark Misc. Works PA_Portion 1 - External Works	16 57	12-Oct-18 10-Oct-18	31-Oct-18 15-Dec-18	0 228				T				
9879 [LoE] IF	PA_Portion 2 - External Works	56	23-Oct-18	27-Dec-18	445		· · · · · · · · · · · · · · · · · · ·		+ + +				
9881 [LoE] IF	PA_Portion 3 - External Works PA_Portion 4 - External Works	56 84	23-Oct-18 10-Oct-18	27-Dec-18 18-Jan-19	445 427				; ; ; ; ;				
	PA_300T Crane Area - External Works long Building Boundary - External Works	69 371	19-Nov-18 20-Oct-18	15-Feb-19 15-Jan-20	409 26				+				
9883 [LoE] P	romenade - External Works	39	23-Oct-18	06-Dec-18	462					· · · · · · · · · · · · · · · · · · ·			
	STATUTORY INSPECTIONS & APPROVALS dium, M+ Tower & CSF Building												
SD & BD						·····							
	SD Inspection/Re-Inspection/Remedial Works - Advanced Layout Inspection SD Inspection/Re-Inspection/Remedial Works - FS SYSTEMS INSPECTION	26 72	13-Nov-19 19-Dec-19	12-Dec-19 23-Mar-20	5 0				<u>+</u>				
BD BD - Ins	spection/Re-Inspection otain OP for Basement/Podium/M+/CSF	24	24-Feb-20 23-Mar-20	23-Mar-20 30-Mar-20	0				+		××××		
DE Building		0			0				, 1 +				
SD & BD	SD - ESD Inspection/Do Inspection/Demodial Market (Inspects 2 and 1)	40	00 Ect 00	24 4== 22	0				,				
RDE_BD RDE_B	SD - FSD Inspection/Re-Inspection/Remedial Works (layouts & systems) D - Inspection/Re-Inspection	48 24	28-Feb-20 25-Apr-20	24-Apr-20 23-May-20	0								
7490 RDE_B	D - Obtain OP for RDE	6	25-May-20	30-May-20	0								

Lyric Theatre Complex

ctivity ID	Activity Name		Start Date	Finish Date		2	2019 Mar Apr				
					Feb			May			
1 1 Contract	for Lyric Theotre Complex (2M	RD) Enviromentel			14	15	16	17			
	for Lyric Theatre Complex (3M							 			
	3 - Excavation and Lateral Support	(ELS) Stage 2									
Excavation ar	nd ELS Works (Stage 2)							 			
Area 1											
CB161470	Area 1: Excavate to -6.1mPD		08-Dec-18 A	16-Feb-19A				<u> </u>			
CB161480	Area 1: Install Waling & Strut Layer S4		16-Feb-19 A	11-Mar-19				 			
CB161490	Area 1: Excavate to -9.0, -11.3, -14.2 w/ so	bil Berm	12-Mar-19	26-Mar-19			1	1			
Area 2											
CB162470	Area 2: Area 2: Excavate to -6.1mPD		21-Dec-18 A	15-Mar-19			1				
CB162480	Area 2: Install Waling & Strut Layer S4		16-Mar-19	29-Mar-19			 	 			
CB162490	Area 2: Excavate to -9.0, -11.3, -14.2 w/ so	bil Berm	30-Mar-19	13-Apr-19*							
Area 3											
CB163470	Area 3: Excavate to -6.1mPD		22-Dec-18 A	19-Jan-19 A							
CB163480	Area 3: Area 3: Install Waling & Strut Layer	r S4	16-Jan-19 A	21-Mar-19							
CB163490	Area 3 Excavate to Formation Level -9.6m	PD	22-Mar-19	16-Apr-19			1	1			
Area 4							1	1			
CB164460	Area 4: Install Waling & Strut Layer S3		19-Dec-18 A	08-Jan-19 A							
CB164470	Area 4: Excavate to -6.1mPD		17-Jan-19 A	13-Mar-19				1			
CB164480	Area 4: Install Waling & Strut Layer S4		16-Feb-19A	06-Apr-19				1			
CB164490	Area 4: Excavate to Formation Level -9.6m	1PD	08-Apr-19	06-May-19*							
Cost Centre C	- Basement										
Cost Centre C	C1 - Essential Basement Structure (Ex	ccl. AET Protection & Box Culvert)					1				
	[Area 6 - L06] Construct Pile Cap / B1 Slab		10-Oct-18 A	16-Mar-19							
CC102403	[Area 6 - L06] Construct Pile Cap / B1 Slat		02-Nov-18 A	09-Mar-19							
CC102410	[Area 6 - L06] Remove Strut Layer S2		03-Dec-18 A	19-Jan-19 A							
CC102420	[Area 6 - L06] Construct B1-B1M Columns	& Structural Walls	10-Dec-18 A	23-Mar-19							
CC102430	[Area 6 - L06] Construct B1M Beam & Slab		14-Jan-19 A	18-Apr-19							
CC100100	[South - L01] Blinding Layer for Pile Cap /		01-Apr-19	10-May-19							
CC100200	[South - L01] Construct Central Pile Cap /		06-Apr-19	12-Jun-19							
	dvance Works for Artist Square Bridg		00740110								
P34 Stair & Lit											
CAI12240	Construct Protection Slab		26-Nov-18 A	17-Jan-19 A							
CAI12240	Construct Bored Pile BP-2		18-Jan-19 A	22-Feb-19 A							
CAI12244 CAI12248	Construct Bored Pile BP-2		23-Feb-19 A	22-1 eb-19A 26-Mar-19							
0/11/2/40								:			
Remaining W			Cultural District	•							
Critical Rema	aining Work L13MRP-20190228-Env	L1 Contract for Lyric Thea									
Actual Work	Layout: L1-3MRP (Env)	Three Month Rolling Program	nme (3MRP) - Sta	atus as of 28 I	eb 2019		Gam	mo			
Milestone							Gam				

Activity ID	Activity Name	Start Date	Finish Date		20	19	
				Feb	Mar	Apr	May
				14	15	16	17
CAI12254	Construct Bored Pile BP-1	27-Mar-19	06-May-19				
CAI12258	Construct Bored Pile BP-4	07-May-19	12-Jun-19				
Cost Centre D) - Public Infrastructure Works (PIW)						
Cost Centre D	02 - Austin Road West Lay-by						1
Cost Centre D	2.1 Roadworks and Remaining				1		1
MC30-Ch.5	0 to MC30-Ch.00						
CD210410	MC30-Ch50-00: Road Drainage (WL3.1 to WL1.12)	26-Jan-19 A	30-Mar-19				
CD210420	MC30-Ch50-00: DN450 Freshwater (0+64 - 0+14)	01-Apr-19	10-May-19		Ţ		
CD210425	MC30-Ch50-00: DN450 Salt Water (0+062 - 0+12)	01-Apr-19	10-May-19		j.		
Cost Centre D	2.2 Drainage						
MC20-Ch.14	40 to MC20-Ch.00						
MC20-Ch.1	140 to MC20-Ch.120 (MH SF_1.2A_2 to SF_1.1)						
CD2201820	MC20-Ch140-00: 1800mm dia Drainage (SF1.2A_2 to SF1.1) - Sheet Pile	04-Jan-19 A	09-Mar-19				1
CD2201840	MC20-Ch140-00: 1800mm dia Drainage (SF1.2A_2 to SF1.1) - Excavation & Els	25-Jan-19 A	16-Mar-19				
CD2201860	MC20-Ch140-00: 1800mm dia Drainage (SF1.2A_2 to SF1.1) - Install Drainage	12-Mar-19	20-Mar-19				
CD2201880	MC20-Ch140-00: 1800mm dia Drainage (SF1.2A_2 to SF1.1) - Construct Manhole	18-Mar-19	30-Mar-19				
MC20-Ch.1	120 to MC20-Ch.80 (MH SF_1.1 to SF_1.1A)						
zD2201820	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A)) - Sheet Pile	21-Mar-19	11-Apr-19				
zD2201840	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A) - Excavation & Els	04-Apr-19	29-Apr-19				<mark>]</mark>
zD2201860	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A) - Install Drainage	24-Apr-19	08-May-19				
zD2201880	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A) - Construct Manhole	06-May-19	20-May-19				

Remaining Work
Critical Remaining Work
Actual Work

Milestone

٠

Project ID: L13MRP-20190228-Env Layout: L1-3MRP (Env) West Kowloon Cultural District Authority L1 Contract for Lyric Theatre Complex & Extended Basement Three Month Rolling Programme (3MRP) - Status as of 28 Feb 2019



ctivity ID	Activity Name		Start Date	Finish Date		20	19	
					Mar 15	Apr 16	May 17	Jun 18
11 Contract	for Lyric Theatre Complex (3M	RP) - Enviromental			15	10	17	10
	3 - Excavation and Lateral Support	(ELS) Stage 2						
	nd ELS Works (Stage 2)							
Area 1 CB161480	Area 1: Install Waling & Strut Layer S4		16-Feb-19A	09-Mar-19 A				
	Area 1: Excavate to -9.0, -11.3, -14.2 w/ so	: Down						
CB161490	Area 1: Excavate to -9.0, -11.3, -14.2 W/ sc	li Berm	01-Apr-19	18-Apr-19				
Area 2 CB162470	Area 2: Area 2: Excavate to -6.1mPD		21-Dec-18 A	08-Mar-19 A				
CB162470 CB162480	Area 2: Install Waling & Strut Layer S4		07-Mar-19 A	20-Mar-19 A				
CB162490	,	l Down						
	Area 2: Excavate to -9.0, -11.3, -14.2 w/ sc	Di Berni	23-Apr-19	10-May-19*				
Area 3 CB163480	Area 2: Area 2: Install Waling & Strut Lava	- S4	16-Jan-19 A	15-Apr-19				
CB163490	Area 3: Area 3: Install Waling & Strut Layer Area 3 Excavate to Formation Level -9.6m			· ·				
	Area 3 Excavate to Formation Level -9.8m	FD	16-Apr-19	15-May-19				
Area 4 CB164470	Area 4: Excavate to -6.1mPD		17-Jan-19 A	04-Apr-19				
				· ·				
CB164480	Area 4: Install Waling & Strut Layer S4		16-Feb-19A	27-Apr-19				
CB164490	Area 4: Excavate to Formation Level -9.6m		29-Apr-19	24-May-19*				
_Cost Centre (
	C1 - Essential Basement Structure (Ex							
CC102401b	[Area 6 - L06] Construct Pile Cap / B1 Slab		10-Oct-18 A	21-Mar-19 A				
CC102403	[Area 6 - L06] Construct Pile Cap / B1 Slab		02-Nov-18 A	16-Mar-19 A				
CC102420	[Area 6 - L06] Construct B1-B1M Columns		10-Dec-18 A	18-Apr-19				
CC102430	[Area 6 - L06] Construct B1M Beam & Slat)	14-Jan-19 A	27-Apr-19				
CC102500	[Area 6 - L06] Remove Strut Layer S1		18-Feb-19 A	21-May-19				
CC100100	[South - L01] Blinding Layer for Pile Cap / I	B2 Slab at Central Portion	07-May-19	12-Jun-19				
CC100200	[South - L01] Construct Central Pile Cap /	B2 Slab at -11.3mPD & -14.2mPD	11-May-19	13-Jul-19				
CAI No. 012 A	dvance Works for Artist Square Bridg	e						
P34 Stair & Li	ft Tower							
CAI12244	Construct Bored Pile BP-2		18-Jan-19 A	22-Feb-19 A				
CAI12248	Construct Bored Pile BP-3		23-Feb-19 A	12-Mar-19 A				
CAI12254	Construct Bored Pile BP-1		13-Mar-19 A	13-Apr-19				
CAI12258	Construct Bored Pile BP-4		15-Apr-19	24-May-19				
CAI12264	Interface Core & Sonic Tests		25-May-19	08-Jun-19				
CAI12268	Submit As-built Record & Select Test Pile		10-Jun-19	08-Jul-19				
Demeini 14	Vork Project ID: L13MRP-20190331	West Kowloon C	ultural District	Authority				
Remaining W Critical Rem		L1 Contract for Lyric Theat		•	ement			
Actual Work	Lavout I 1-3MRP (Env)	Three Month Rolling Program						
Milestone		······································					Gamr	nor
	Page: 1 of 2							

vity ID	Activity Name	Start Date	Finish Date	2019				
				Mar 15	Apr 16	May 17	Jun 18	
Cost Centre D	- Public Infrastructure Works (PIW)			15	10		10	
	2 - Austin Road West Lay-by							
	2 - Austin Hoad west Lay-by 2.1 Roadworks and Remaining							
	70 to MC30-Ch.150							
CD210730	MC30-Ch170-150: Roadworks & Footpath	14-Feb-19A	30-Apr-19					
	50 to MC30-Ch.100	141 05 157	50 Apr 15					
CD210630	MC30-Ch150-100: Roadworks & Footpath	21-Feb-19A	18 May 10					
	· ·	21-Feb-19A	18-May-19					
	00 to MC30-Ch.50							
CD210530	MC30-Ch100-50: Roadworks & Footpath	03-Jun-19	20-Jul-19			· · · · · · · · · · · · · · · · · · ·		
) to MC30-Ch.00							
CD210410	MC30-Ch50-00: Road Drainage (WL3.1 to WL1.12)	26-Jan-19 A	27-Apr-19			, , 		
CD210420	MC30-Ch50-00: DN450 Freshwater (0+64 - 0+14)	29-Apr-19	04-Jun-19					
CD210425	MC30-Ch50-00: DN450 Salt Water (0+062 - 0+12)	29-Apr-19	04-Jun-19			L		
Cost Centre D								
MC20-Ch.14	10 to MC20-Ch.00							
MC20-Ch.1	40 to MC20-Ch.120 (MH SF_1.2A_2 to SF_1.1)							
CD2201820	MC20-Ch140-00: 1800mm dia Drainage (SF1.2A_2 to SF1.1) - Sheet Pile	04-Jan-19 A	16-Mar-19 A			 		
CD2201840	MC20-Ch140-00: 1800mm dia Drainage (SF1.2A_2 to SF1.1) - Excavation & Els	25-Jan-19 A	06-Apr-19					
CD2201860	MC20-Ch140-00: 1800mm dia Drainage (SF1.2A_2 to SF1.1) - Install Drainage	08-Apr-19	16-Apr-19					
CD2201880	MC20-Ch140-00: 1800mm dia Drainage (SF1.2A_2 to SF1.1) - Construct Manhole	13-Apr-19	30-Apr-19					
MC20-Ch.1	20 to MC20-Ch.80 (MH SF_1.1 to SF_1.1A)							
zD2201820	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A)) - Sheet Pile	17-Apr-19	11-May-19					
zD2201840	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A) - Excavation & Els	06-May-19	27-May-19					
zD2201860	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A) - Install Drainage	22-May-19	04-Jun-19				,	
zD2201880	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A) - Construct Manhole	01-Jun-19	15-Jun-19					

Project ID: L13MRP-20190331 Remaining Work

Actual Work

Milestone

٠

Critical Remaining Work Layout: L1-3MRP (Env) Page: 2 of 2

West Kowloon Cultural District Authority L1 Contract for Lyric Theatre Complex & Extended Basement Three Month Rolling Programme (3MRP) - Status as of 31 Mar 2019



yric Theatre Complex (3MRP) - Enviromental cavation and Lateral Support (ELS) Stage 2 S Works (Stage 2) a 1: Excavate to -9.0, -11.3, -14.2 w/ soil Berm	26-Apr-19 A		Apr 16	May 17	Jun 18	Jul 19
x cavation and Lateral Support (ELS) Stage 2 S Works (Stage 2) a 1: Excavate to -9.0, -11.3, -14.2 w/ soil Berm	26-Apr-19 A				18	
x cavation and Lateral Support (ELS) Stage 2 S Works (Stage 2) a 1: Excavate to -9.0, -11.3, -14.2 w/ soil Berm	26-Apr-19 A					
S Works (Stage 2) a 1: Excavate to -9.0, -11.3, -14.2 w/ soil Berm	26-Apr-19 A				۱ ۱ ۱	
a 1: Excavate to -9.0, -11.3, -14.2 w/ soil Berm	26-Apr-19 A					
	26-Apr-19 A				,	
	20-Apr-19 A	22-May-19				
। 2: Excavate to -9.0, -11.3, -14.2 w/ soil Berm		22-11/1ay-19				
12. LXCavale to -5.0, -11.3, -14.2 W/ Soli Denni	29-Apr-19 A	25-May-19*				
	29-Api-19 A	25-101ay-19	ا			
a 3: Area 3: Install Waling & Strut Layer S4	16-Jan-19 A	13-Apr-19 A			i 	
						,
A 3 EXCAVATE TO FORMATION LEVEL-9.6MPD	18-Apr-19 A	22-May-19				
	17 lag 10 4	10 Apr 10 A				
a 4: Excavate to Formation Level -9.6mPD	23-May-19	21-Jun-19*		· · · · · · · · · · · · · · · · · · ·		
sement						
ssential Basement Structure (Excl. AET Protection & Box Culvert)						
th - L01] Blinding Layer for Pile Cap / B2 Slab at Central Portion	11-May-19	17-Jun-19				
th - L01] Construct Central Pile Cap / B2 Slab at -11.3mPD & -14.2mPD	17-May-19	18-Jul-19				
th - L04] Blinding Layer for Pile Cap / B2 Slab	19-Jun-19	24-Jul-19				
th - L04] Construct Pile Cap / B2 Slab at -9.6mPD	21-Jun-19	21-Aug-19				
a 6 - L06] Construct B1-B1M Columns & Structural Walls	10-Dec-18 A	10-May-19				
a 6 - L06] Construct B1M Beam & Slab	14-Jan-19 A	16-May-19				
a 6 - L06] Remove Strut Laver S1	18-Feb-19A	25-Apr-19 A				
	17-Mav-19					
-	-					
	00 0011 10	00 / lug 10				
	13-Mar-19 A	08-Apr-19 A				
	· ·					
		,				
TIIL AS-DUIIL RECORD & SEIECL LEST MIE	17-May-19	14-Jun-19				
	a 3 Excavate to Formation Level -9.6mPD a 4: Excavate to -6.1mPD a 4: Install Waling & Strut Layer S4 a 4: Excavate to Formation Level -9.6mPD Isement Ssential Basement Structure (Excl. AET Protection & Box Culvert) uth - L01] Blinding Layer for Pile Cap / B2 Slab at Central Portion uth - L01] Construct Central Pile Cap / B2 Slab at -11.3mPD & -14.2mPD rth - L01] Blinding Layer for Pile Cap / B2 Slab at -11.3mPD & -14.2mPD rth - L04] Blinding Layer for Pile Cap / B2 Slab at -9.6mPD ta 6 - L06] Construct B1-B1M Columns & Structural Walls ta 6 - L06] Construct B1-B1M Columns & Structural Walls ta 6 - L06] Construct B1M Beam & Slab ta 6 - L06] Construct B1M-GF Columns & Structural Walls ta 6 - L06] Construct GF Beam & Slab (South & Northeast) Ce Works for Artist Square Bridge rer Instruct Bored Pile BP-1 Instruct Bored Pile BP-1 Instruct Bored Pile BP-4 rface Core & Sonic Tests mit As-built Record & Select Test Pile Project ID: West Kowloon C	a 4: Excavate to -6.1mPD 17-Jan-19 A a 4: Install Waling & Strut Layer S4 16-Feb-19 A a 4: Excavate to Formation Level -9.6mPD 23-May-19 esement 23-May-19 ssement 11-May-19 uth - L01] Blinding Layer for Pile Cap / B2 Slab at Central Portion 11-May-19 uth - L01] Construct Central Pile Cap / B2 Slab at -11.3mPD & -14.2mPD 17-May-19 th - L04] Blinding Layer for Pile Cap / B2 Slab at -9.6mPD 21-Jun-19 th - L04] Construct Pile Cap / B2 Slab at -9.6mPD 21-Jun-19 th - L04] Construct Pile Cap / B2 Slab at -9.6mPD 21-Jun-19 ea 6 - L06] Construct B1-B1M Columns & Structural Walls 10-Dec-18 A ea 6 - L06] Construct B1M Beam & Slab 14-Jan-19 A ea 6 - L06] Construct B1M Beam & Slab 14-Jan-19 A ea 6 - L06] Construct B1M-GF Columns & Structural Walls 17-May-19 ea 6 - L06] Construct GF Beam & Slab (South & Northeast) 08-Jun-19 ceworks for Artist Square Bridge 13-Mar-19 A er 13-Mar-19 A er 13-Mar-19 A er 02-May-19 mistruct Bored Pile BP-1 13-Mar-19 A istruct Bored Pile BP-4 09-Apr-19 A rfa	a 4: Excavate to -6.1mPD 12-Apr-19A 12-Apr-19A 14: Install Waling & Strut Layer S4 16-Feb-19A 15-Apr-19A 23-May-19 21-Jun-19* 23-May-19 21-Jun-19* 23-May-19 21-Jun-19* 23-May-19 21-Jun-19* 23-May-19 21-Jun-19* 25-May-19 21-Jun-19* 25-May-19 21-Jun-19* 25-May-19 17-May-19 17-Jun-19 17-J	a 4: Excavate to -6.1mPD 17-Jan-19 A 12-Apr-19 A 12-Apr-19 A 12-Apr-19 A 12-Apr-19 A 14-Integration Level -9.6mPD 23-May-19 21-Jun-19* Integration Level -9.6mPD 23-May-19 17-Jun-19 Integration Level -9.6mPD 21-Jun-19 17-Jun-19 Integration Level -9.6mPD 21-Jun-19 Integration Level -9.6mPD 22-Apr-19 Integration	a 4: Excavate to -6.1mPD 17-Jan-19A 12-Apr-19A 12-Apr-19A 14: Install Waling & Strut Layer S4 16-Feb-19A 15-Apr-19A 15-Apr-19A 14: Excavate to Formation Level -9.6mPD 23-May-19 21-Jun-19 21-Jun-19 21-Jun-19 24-Jul-19 21-Jun-19 24-Jul-19 17-Jun-19 18-Jul-19 17-Jun-19 18-Jul-19 17-Jun-19 18-Jul-19 17-Jun-19 18-Jul-19 18-Jul-19 17-Jun-19 18-Jul-19 19 19 19 19 19 19 19 19 19 19 19 19 1	a 4: Excavate to -6.1mPD 17-Jan-19A 12-Apr-19A 4 a 4: Install Waling & Strut Layer S4 16-Feb-19A 15-Apr-19A 4 a 4: Excavate to Formation Level -9.6mPD 23-May-19 21-Jun-19' 16-May-19 Issement Issement Issement Structure (Excl. AET Protection & Box Culvert) th - L01] Blinding Layer for Pile Cap / B2 Slab at Central Portion 11-May-19 17-Jun-19 th - L01] Construct Central Pile Cap / B2 Slab at Central Portion 11-May-19 18-Jul-19 th - L04] Blinding Layer for Pile Cap / B2 Slab at -11.3mPD & -14.2mPD 17-May-19 18-Jul-19 th - L04] Construct Central Pile Cap / B2 Slab at -9.6mPD 21-Jun-19 24-Jul-19 18-Jul-19 th - L04] Construct Pile Cap / B2 Slab at -9.6mPD 21-Jun-19 21-Aug-19 18-Jul-19 a 6 - L06] Construct B1-B1M Columns & Structural Walls 10-Dec-18A 10-May-19 a 6 - L06] Construct B1M Beam & Slab 14-Jan-19A 16-May-19 13-Jul-19 a 6 - L06] Construct B1M Beam & Slab 14-Jan-19A 16-May-19 13-Jul-19 a 6 - L06] Construct B1M Columns & Structural Walls 17-May-19 13-Jul-19 a 6 - L06] Construct B1M-CF Columns & Structural Walls 17-May-19 13-Jul-19 th - L06] Construct GF Beam & Slab (South & Northeast) 08-Jun-19 03-Aug-19 ter Works for Artist Square Bridge ter struct Bored Pile BP-1 13-Jul-19 13-Jul-19 13-Jul-19 13-Jul-19 ter struct Bored Pile BP-1 13-Jul-19 13-Jul-19 13-Jul-19 13-Jul-19 ter struct Bored Pile BP-1 13-Jul-19 14 14-Jul-19 14 14-Jul-19 14 14-Jul-19 14 14-Jul-19 14-Jul-19 14 14-

Layout: L1-3MRP (Env)

Actual Work

Milestone

٠

L1 Contract for Lyric Theatre Complex & Extended Basement Three Month Rolling Programme (3MRP) - Status as of 30 Apr 2019



tivity ID	Activity Name	Start Date	Finish Date	2019				
				Apr 16	<u>May</u> 17	Jun 18	Jul 19	
CAI12270	Pile Test Set-up, Test & Remove	15-Jun-19	13-Jul-19	10	17	10	19	
CAI12280	Pile Test Result Submission & Approval (HyD)	15-Jul-19	10-Aug-19					
Cost Centre D) - Public Infrastructure Works (PIW)							
	02 - Austin Road West Lay-by							
	2.1 Roadworks and Remaining					L		
MC30-Ch.1	70 to MC30-Ch.150		-					
CD210730	MC30-Ch170-150: Roadworks & Footpath	30-Jan-19 A	16-May-19					
CD210750	MC30-Ch170-150: Install Street Furniture & Lighting	17-May-19	06-Jun-19					
MC30-Ch.1	50 to MC30-Ch.100							
CD210630	MC30-Ch150-100: Roadworks & Footpath	13-Feb-19A	30-May-19					
CD210650	MC30-Ch150-100: Install Street Furniture & Lighting	08-Jun-19	28-Jun-19					
MC30-Ch.1	00 to MC30-Ch.50	,						
CD210530	MC30-Ch100-50: Roadworks & Footpath	31-May-19	18-Jul-19			·		
CD210535	MC30-Ch100-50: Maintenance Staircase	27-Jun-19	18-Jul-19					
CD210550	MC30-Ch100-50: Install Street Furniture & Lighting	19-Jul-19	08-Aug-19					
MC30-Ch.5	0 to MC30-Ch.00		-					
CD210410	MC30-Ch50-00: Road Drainage (WL3.1 to WL1.12)	26-Jan-19 A	06-Jun-19					
CD210420	MC30-Ch50-00: DN450 Freshwater (0+64 - 0+14)	08-Jun-19	13-Jul-19					
CD210425	MC30-Ch50-00: DN450 Salt Water (0+062 - 0+12)	25-Jun-19	30-Jul-19					
Cost Centre D	2.2 Drainage						·	
MC20-Ch.14	40 to MC20-Ch.00					'		
MC20-Ch.1	140 to MC20-Ch.120 (MH SF_1.2A_2 to SF_1.1)					'		
CD2201840	MC20-Ch140-00: 1800mm dia Drainage (SF1.2A_2 to SF1.1) - Excavation & Els	25-Jan-19 A	25-Apr-19 A					
	MC20-Ch140-00: 1800mm dia Drainage (SF1.2A_2 to SF1.1) - Install Drainage	26-Apr-19 A	04-May-19			· · · · · · · · · · · · · · · · · · ·		
CD2201880	MC20-Ch140-00: 1800mm dia Drainage (SF1.2A_2 to SF1.1) - Construct Manhole	18-Apr-19 A	17-May-19					
MC20-Ch.1	120 to MC20-Ch.80 (MH SF_1.1 to SF_1.1A)							
	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A)) - Sheet Pile	18-May-19	08-Jun-19					
zD2201840	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A) - Excavation & Els	01-Jun-19	22-Jun-19				, 	
zD2201860	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A) - Install Drainage	18-Jun-19	02-Jul-19]	

Project ID: Remaining Work L13MRP-20190430-Env Critical Remaining Work Actual Work Milestone

٠

Layout: L1-3MRP (Env)

West Kowloon Cultural District Authority L1 Contract for Lyric Theatre Complex & Extended Basement Three Month Rolling Programme (3MRP) - Status as of 30 Apr 2019



C. Environmental Mitigation Measures – Implementation Status

Table C-1: Environmental Mitigation Measures Implementation Status

	Recommendation Measures ality Impact (Construction) General Dust Control Measures 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) Best Practice For Dust Control	Implementation Stage							
			M+ Museun	n	Lyric	Theatre Co	mplex		
EM&A		Feb	March	April	Feb	March	April		
Ref.	Recommendation Measures	2019	2019	2019	2019	2019	2019		
Air Qualit	y Impact (Construction)								
2.1 &	General Dust Control Measures								
10.3.1	construction activities such as construction of buildings or roads, drilling, ground excavation, cut and fill	V	~	~	Obs	√	V		
2.1 &	Best Practice For Dust Control								
10.3.1	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:								
	Good Site Management								
	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 carried out in a manner minimising generation of fugitive dust emissions. The material should be handled properly to prevent fugitive dust emission before cleaning.	Obs	Rem/ Obs	Obs	¥	Obs	✓		
	Disturbed Parts of the Roads								
	 Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials; or 	~	✓	✓	\checkmark	✓	\checkmark		
	 Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet. 	\checkmark	\checkmark	✓	\checkmark	\checkmark	\checkmark		
	Exposed Earth								
	 Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or seating 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		
	Loading, Unloading or Transfer of Dusty Materials								

				Implement	ation Stag	je				
			M+ Museun	n	Lyric Theatre Complex					
EM&A		Feb	March	April	Feb	March	April			
Ref.	Recommendation Measures	2019	2019	2019	2019	2019	2019			
	 All dusty materials should be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet. 	√	√	~	√	✓	✓			
	Debris Handling									
	 Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides. 	✓	√	\checkmark	√	✓	✓			
	 Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped. 	~	✓	\checkmark	✓	\checkmark	1			
	Transport of Dusty Materials	·	•	·	•	•	•			
	 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. 	~	\checkmark	~	\checkmark	~	~			
	Wheel washing									
	 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. 	√	✓	\checkmark	√	Rem	\checkmark			
	Use of vehicles									
	 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. 	✓	✓	✓	✓	✓	1			
	 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 	v	v	\checkmark	\checkmark	\checkmark	v			
	covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle.	✓	✓	\checkmark	✓	✓	~			
	Site hoarding									
	 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 the site boundary except for a site entrance or exit. 	√	\checkmark	\checkmark	√	\checkmark	\checkmark			
2.1 &	Best Practicable Means for Cement Works (Concrete Batching Plant)									
10.3.1	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:									
	Exhaust from Dust Arrestment Plant									

		Implementation Stage						
			M+ Museun	n	Lyric	Theatre Co	mplex	
EM&A Ref.	Recommendation Measures	Feb 2019	March 2019	April 2019	Feb 2019	March 2019	April 2019	
	 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 	✓	√	✓	✓	~	~	
	Emission Limits							
	 All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke 	\checkmark	\checkmark	~	\checkmark	~	✓	
	Engineering Design/Technical Requirements							
	 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 	✓	\checkmark	\checkmark	✓	\checkmark	√	
-	Non-Road Mobile Machinery (NRMM):							
	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.	\checkmark	\checkmark	~	\checkmark	~	~	
Noise Imp	pact (Construction)							
3.1 & 10.4.1	Good Site Practice 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:							
	 only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works; 	\checkmark	\checkmark	Obs	\checkmark	~	✓	
	 machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum; 	\checkmark	✓	✓	\checkmark	~	~	
	 plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs; 	\checkmark	✓	\checkmark	\checkmark	\checkmark	✓	
	 mobile plant should be sited as far away from NSRs as possible; and 	\checkmark	\checkmark	\checkmark	\checkmark	~	\checkmark	
	 material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities. 	\checkmark	✓	~	\checkmark	~	~	
3.1 &	Adoption of Quieter PME							
10.4.1	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	\checkmark	√	✓	\checkmark	✓	~	

. .

				Implement	ation Stag	e	
			M+ Museur	n	Lyric	Theatre Co	mplex
EM&A Ref.	Recommendation Measures	Feb 2019	March 2019	April 2019	Feb 2019	March 2019	April 2019
	be noted that the silenced PME selected for assessment can be found in Hong Kong.						
3.1 & 10.4.1	Use of Movable Noise Barriers 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.	N/A	N/A	N/A	✓	V	~
3.1 & 10.4.1	Use of Noise Enclosure/ Acoustic Shed 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.	N/A	N/A	N/A	N/A	N/A	N/A
3.1 & 10.4.1	Use of Noise Insulating Fabric Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, pilling 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.	N/A	N/A	N/A	✓	~	~
3.1 & 10.4.1	Scheduling of Construction Works outside School Examination Periods 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.	N/A	N/A	N/A	N/A	N/A	N/A
Water Qu	ality Impact (Construction)						
4.1 &	Construction site runoff and drainage						
10.5.1	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:						
	 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 	~	✓	~	✓	~	√

				Implement	ation Stag	e	
			M+ Museur	n	Lyric	Theatre Co	mplex
EM&A Ref.	Recommendation Measures	Feb 2019	March 2019	April 2019	Feb 2019	March 2019	April 2019
	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. 	Obs	✓	Obs	\checkmark	Obs	Obs
	 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. 	~	\checkmark	~	~	~	\checkmark
	• 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.	~	✓	1	~	~	~
	 Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin 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. 	\checkmark	\checkmark	\checkmark	\checkmark	~	\checkmark
	 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. 	\checkmark	\checkmark	\checkmark	\checkmark	√	\checkmark
	 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. 	✓	~	~	~	~	~
	 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:						
	 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 	N/A	N/A	N/A	N/A	N/A	N/A

			I	Implement	ation Stag	e	
			M+ Museun	n	Lyric	Theatre Co	mplex
EM&A		Feb	March	April	Feb	March	April
Ref.	Recommendation Measures	2019	2019	2019	2019	2019	2019
	propeller wash;						
	 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
	 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
	 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 &	Sewage effluent from construction workforce						
10.5.1	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.	~	✓	\checkmark	\checkmark	\checkmark	✓
4.1 &	General construction activities						
10.5.1	 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. 	√	\checkmark	\checkmark	✓	√	~
	 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	*	√	✓	V	~
Waste Ma	anagement Implications (Construction)						
6.1 &	Good Site Practices						
10.7.1	Recommendations for good site practices during the construction activities include:						
	 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 	1	✓	✓	\checkmark	✓	1
	 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 	✓	✓	√	✓	\checkmark	√

				Implement	ation Stag	je	
			M+ Museur	n	Lyric	Theatre Co	mplex
EM&A		Feb	March	April	Feb	March	April
Ref.	Recommendation Measures	2019	2019	2019	2019	2019	2019
	 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 	\checkmark	\checkmark	\checkmark	\checkmark	~	\checkmark
Ref. 6.1 & 10.7.1 6.1 & 10.7.1	Waste Reduction Measures						
10.7.1	Recommendations to achieve waste reduction include:						
	 Sort inert C&D material to recover any recyclable portions such as metals 	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	 Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal 	~	\checkmark	✓	\checkmark	✓	√
	 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 	✓	\checkmark	~	\checkmark	\checkmark	✓
	 Proper site practices to minimise the potential for damage or contamination of inert C&D materials 	✓	✓	✓	✓	✓	1
	 Plan the use of construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste 	√ √	√	√ √	√ √	√ √	√ √
	Inert and Non-inert C&D Materials						
10.7.1	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.	√	~	√	~	~	~
	 The surplus inert C&D material will be disposed of at the Government's PFRFs for beneficial use by other projects in Hong Kong. 	~	\checkmark	~	\checkmark	\checkmark	~
	 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. 	\checkmark	√	\checkmark	✓	\checkmark	\checkmark
	 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 						

			ge				
			M+ Museun	n	Lyric	mplex	
EM&A		Feb	March	April	Feb	March	April
Ref.	Recommendation Measures	2019	2019	2019	2019	2019	2019
	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						
10.7.1	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.	Obs	¥	Obs	Obs	v	Obs
	 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. 	✓	✓	√	✓	√	√
6.1 &	General Refuse						
10.7.1	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.	√	✓	√	√	✓	\checkmark
Land Cor	ntamination (Construction)						
7.1 & 10.8.1	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. The following measures are proposed for excavation and transportation of contaminated material:						

		Implementation Stage							
			M+ Museun	n	Lyric	Theatre Co	mplex		
EM&A		Feb	March	April	Feb	March	April		
Ref.	Recommendation Measures	2019	2019	2019	2019	2019	2019		
	 To minimize the chance for construction workers to come into contact with any contaminated materials, bulk earth-moving excavation equipment should be employed; 	N/A	N/A	N/A	N/A	N/A	N/A		
	 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 material), provision of washing facilities and prohibition of smoking and eating on site; 	N/A	N/A	N/A	N/A	N/A	N/A		
	 Stockpiling of contaminated excavated materials on site should be avoided as far as possible; 	N/A	N/A	N/A	N/A	N/A	N/A		
	 The use of contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out; 	N/A	N/A	N/A	N/A	N/A	N/A		
	 Vehicles containing any contaminated excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater; 	N/A	N/A	N/A	N/A	N/A	N/A		
	 Truck bodies and tailgates should be sealed to stop any discharge; 	N/A	N/A	N/A	N/A	N/A	N/A		
	 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; 	N/A	N/A	N/A	N/A	N/A	N/A		
	 Speed control for trucks carrying contaminated materials should be exercised; 	N/A	N/A	N/A	N/A	N/A	N/A		
	 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 	N/A	N/A N/A	N/A	N/A	N/A N/A	N/A N/A		
	 Maintain records of waste generation and disposal quantities and disposal arrangements. 	N/A	N/A	N/A	N/A	N/A	N/A		
Ecological	Impact (Construction)								
	No mitigation measure is required.								
Landscape	e 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	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		

		Implementation Stage							
			M+ Museun	n	Lyric	Theatre Co	mplex		
EM&A		Feb	March	April	Feb	March	April		
Ref.	Recommendation Measures	2019	2019	2019	2019	2019	2019		
(CM3)									
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	✓	✓	\checkmark	✓	\checkmark	\checkmark		
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	✓	√	✓	~	√	√		
Table 9.2	Use of greenery such as grass cover for the temporary open areas will help achieve the visual balance and	N/A	N/A	N/A	N/A	N/A	N/A		

			Implementation Stage								
			M+ Museur	n	Lyric	Theatre Co	mplex				
EM&A		Feb	March	April	Feb	March	April				
Ref.	Recommendation Measures	2019	2019	2019	2019	2019	2019				
& 10.9 (MCP5)	soften the hard edges of the structures.										

N/A - Not Applicable

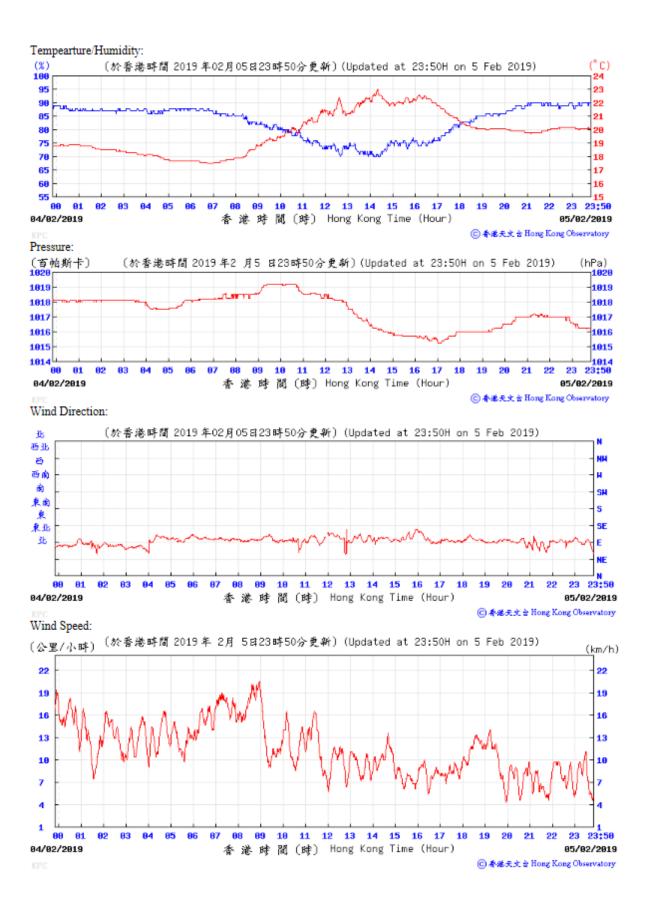
✓ - Implemented

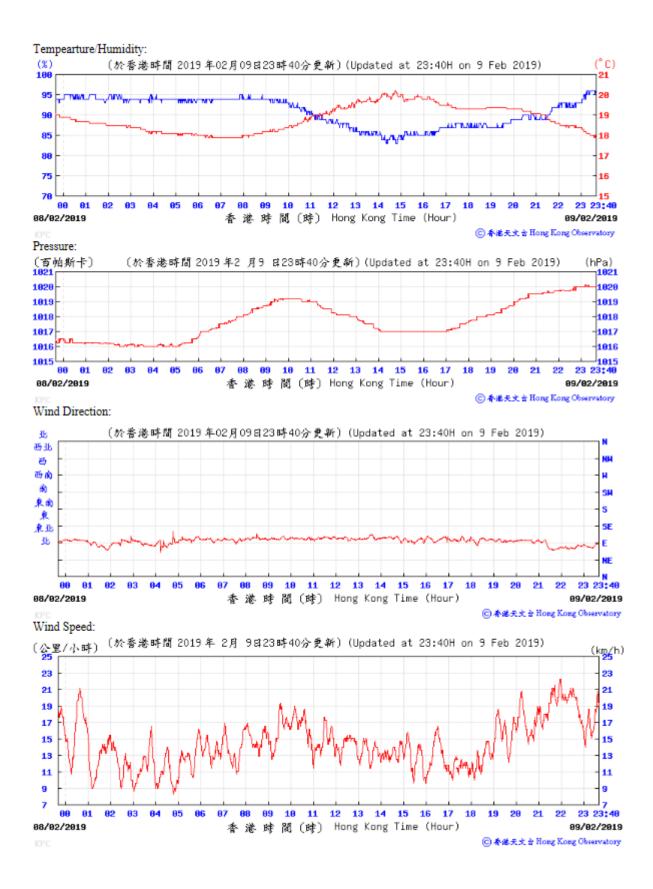
Obs - Observed

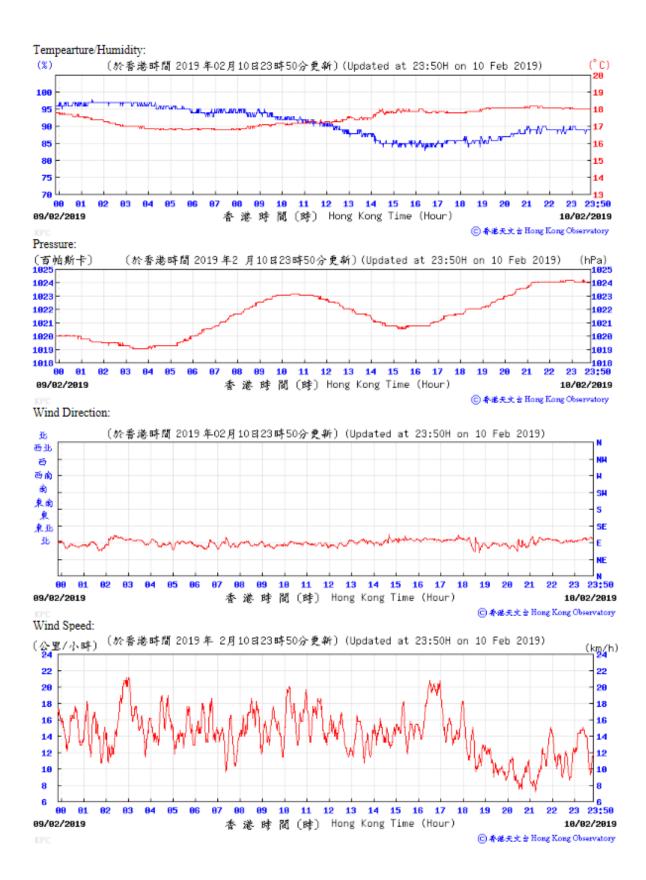
Rem - Reminder

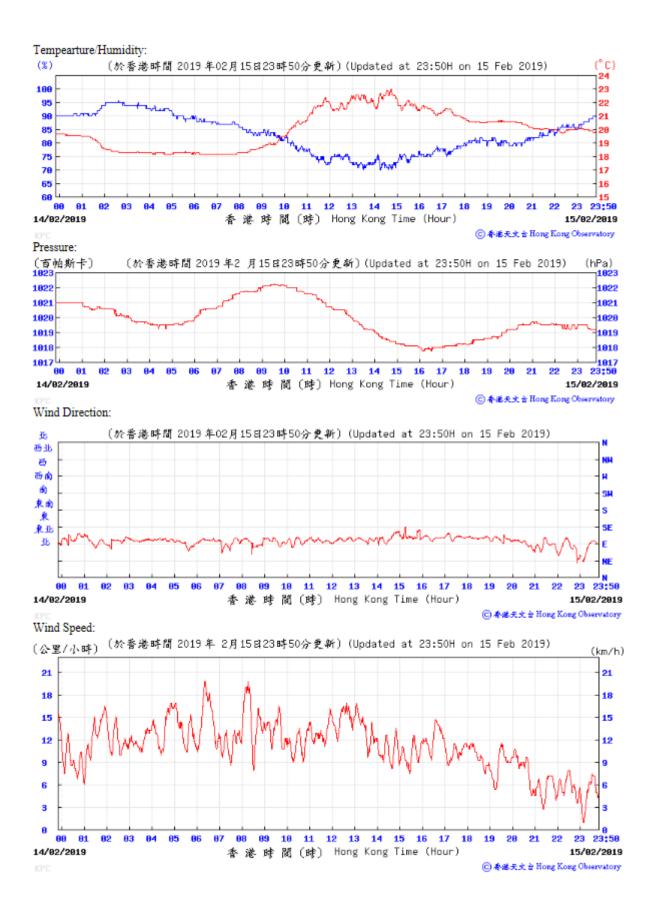
D. Meteorological Data Extracted from Hong Kong Observatory

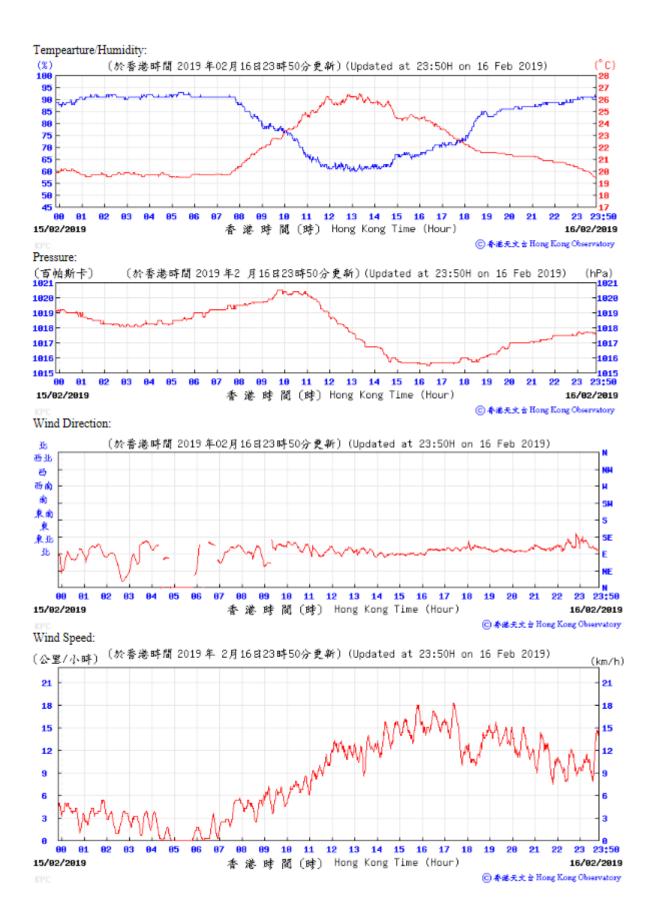
Table D-1: Extract of Meteorological Observations for King's Park Automatic Weather Station in the reporting quarter

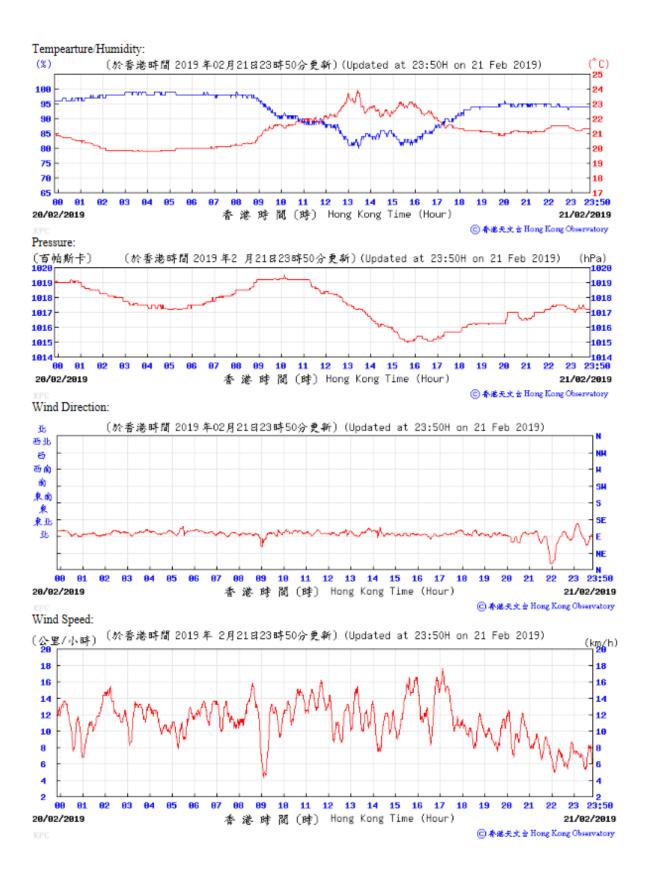


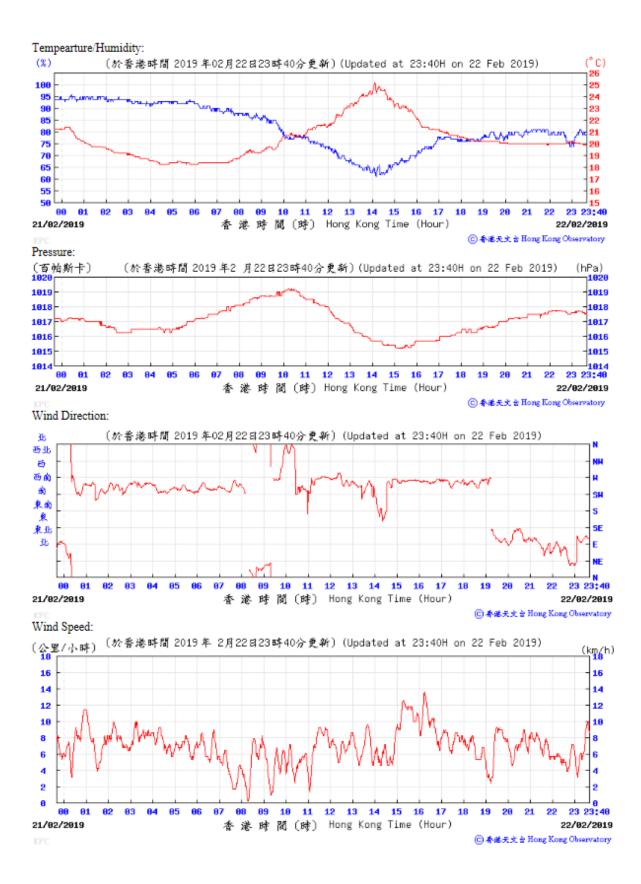


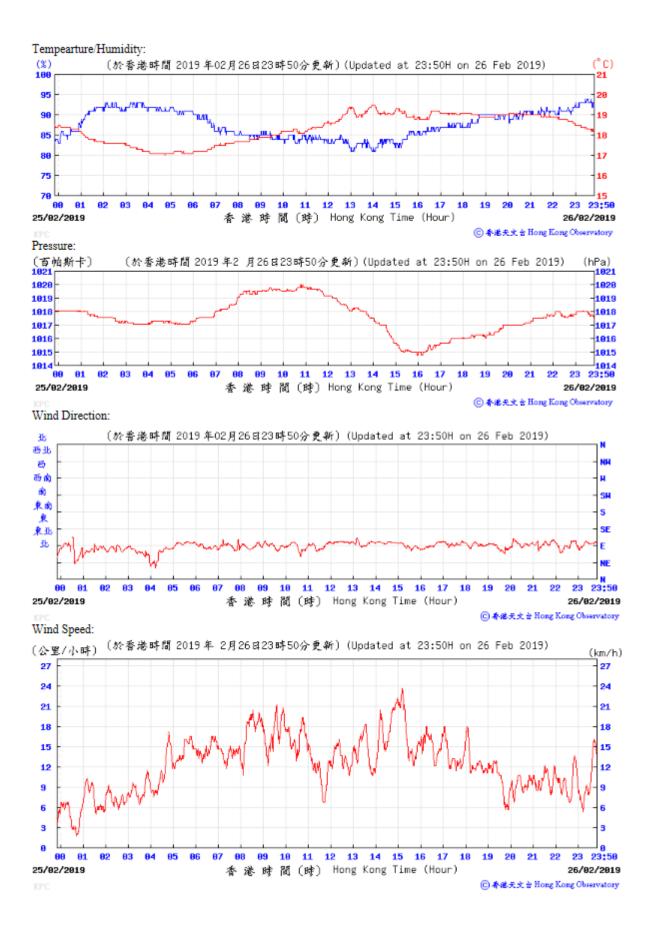


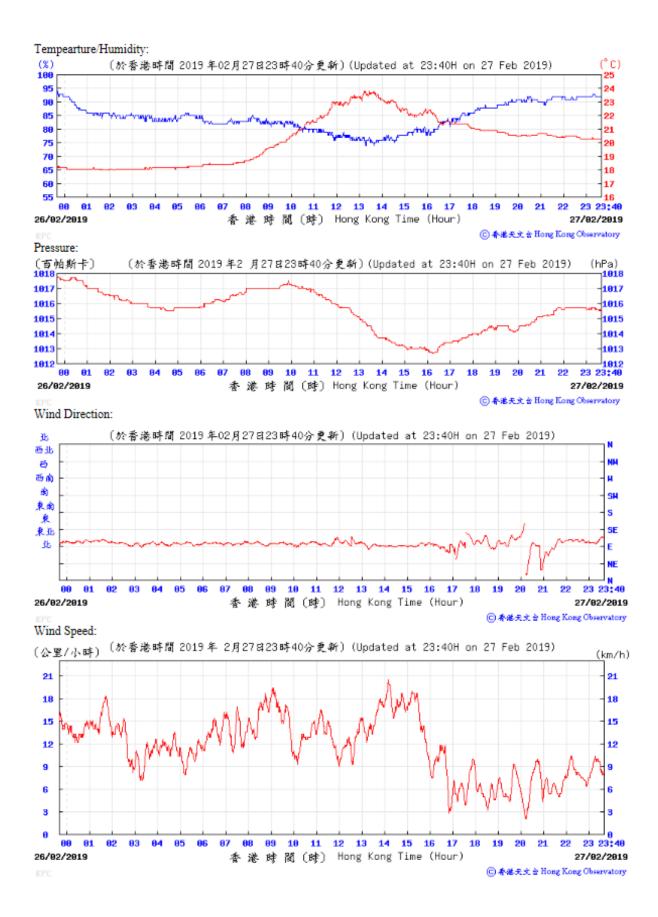


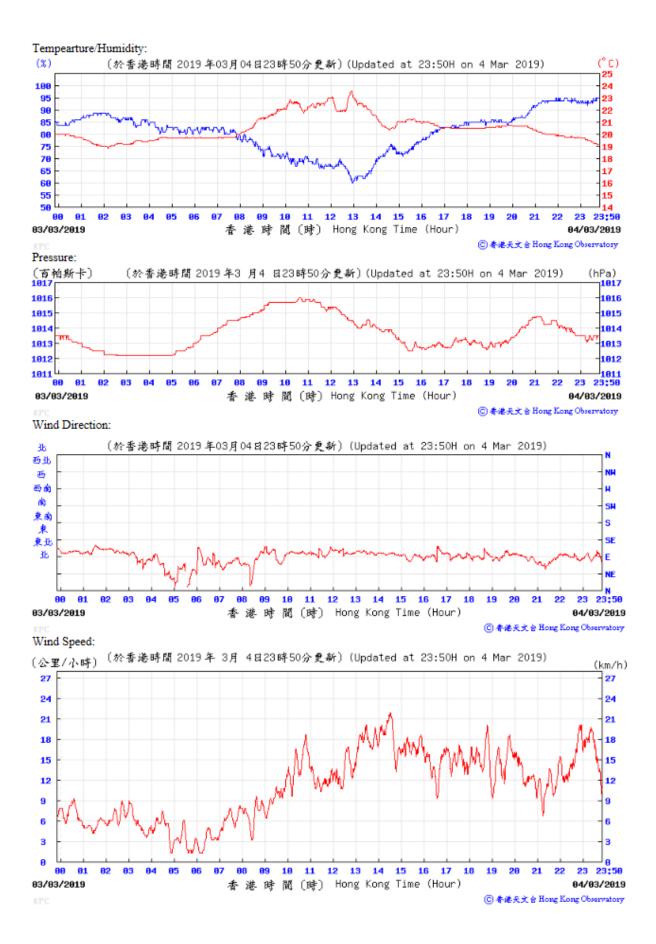


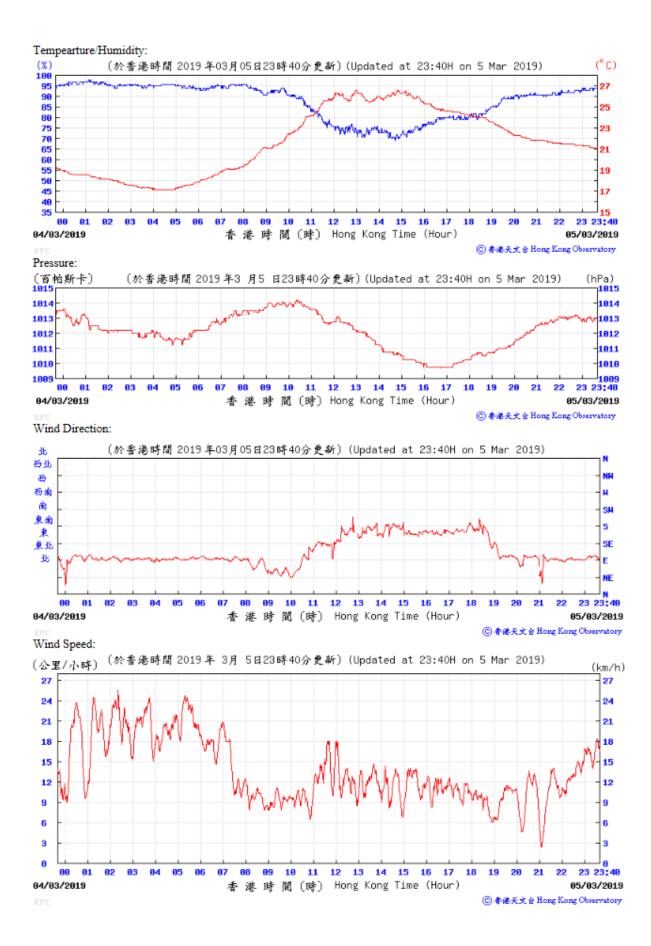


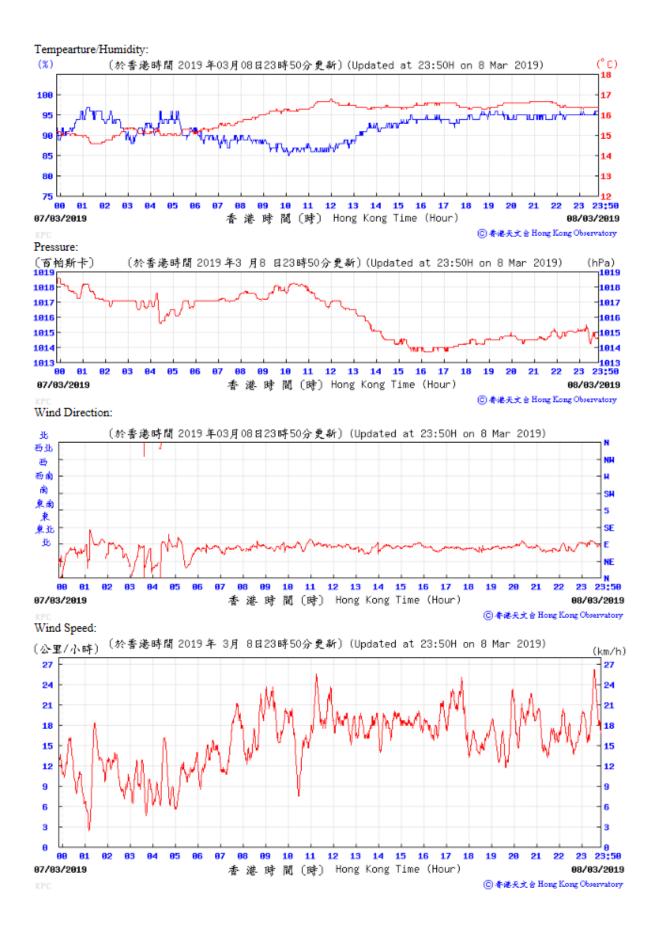


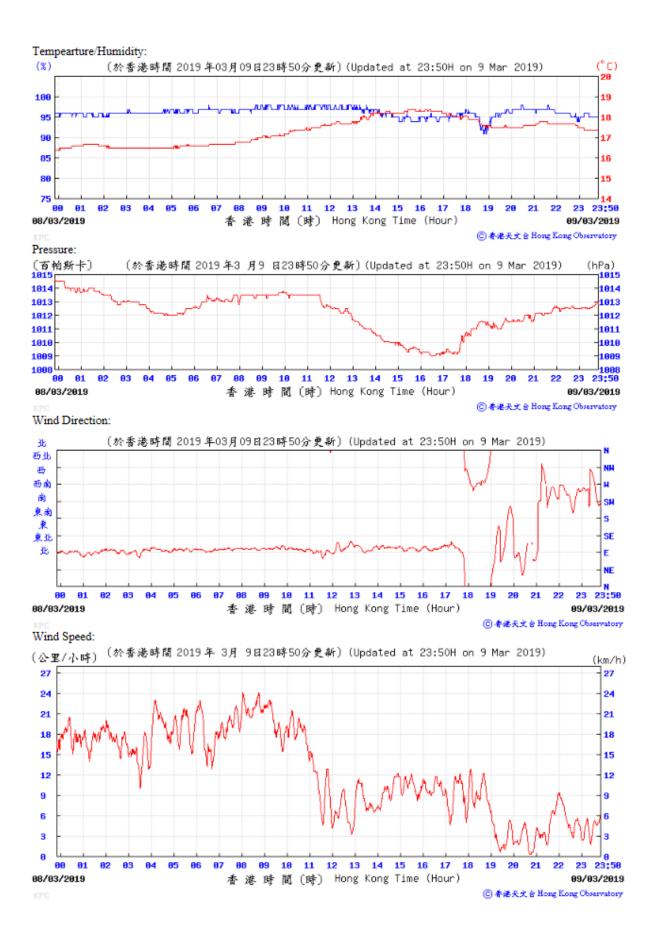


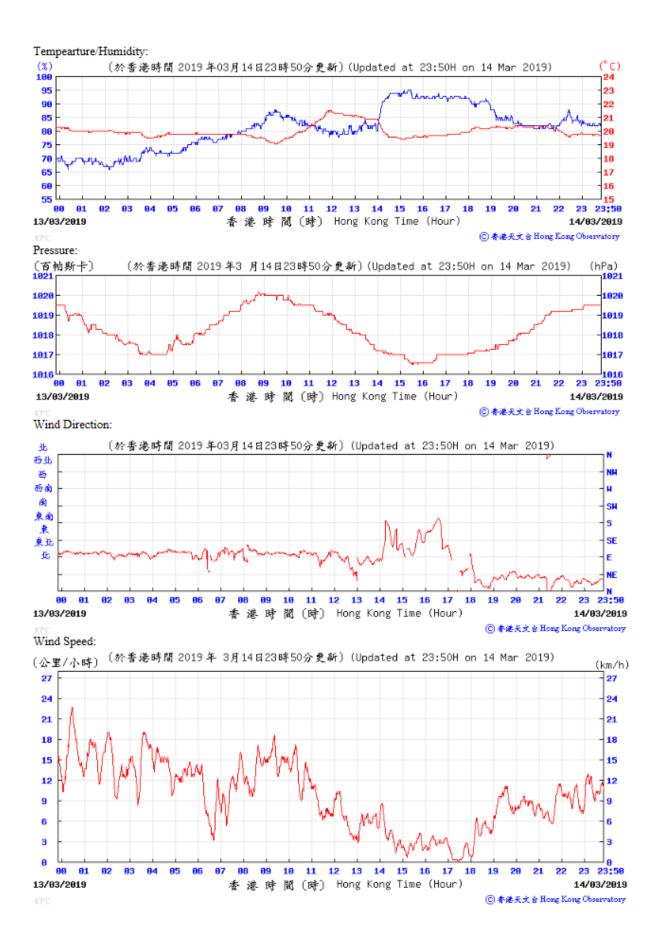


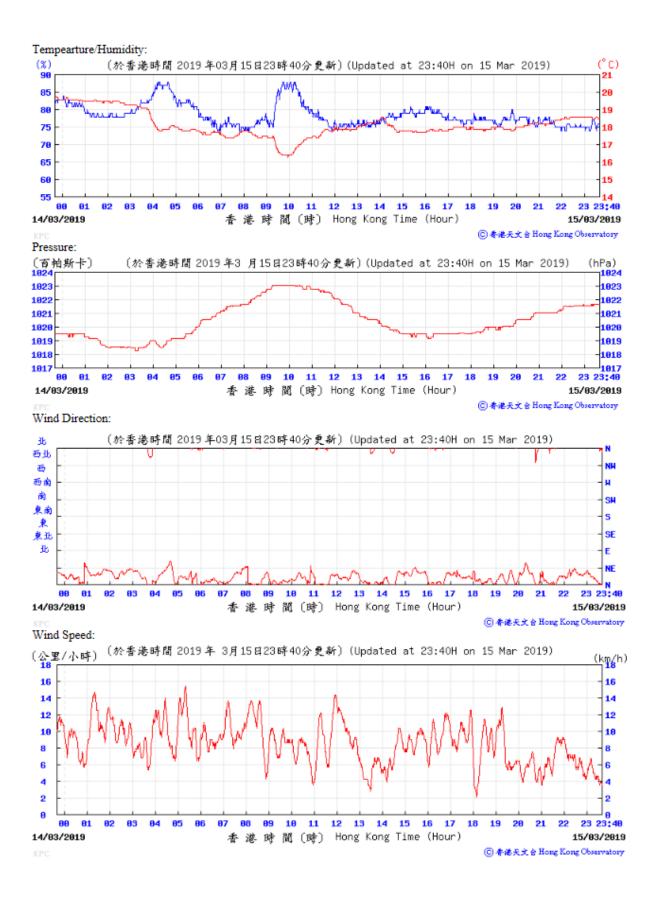


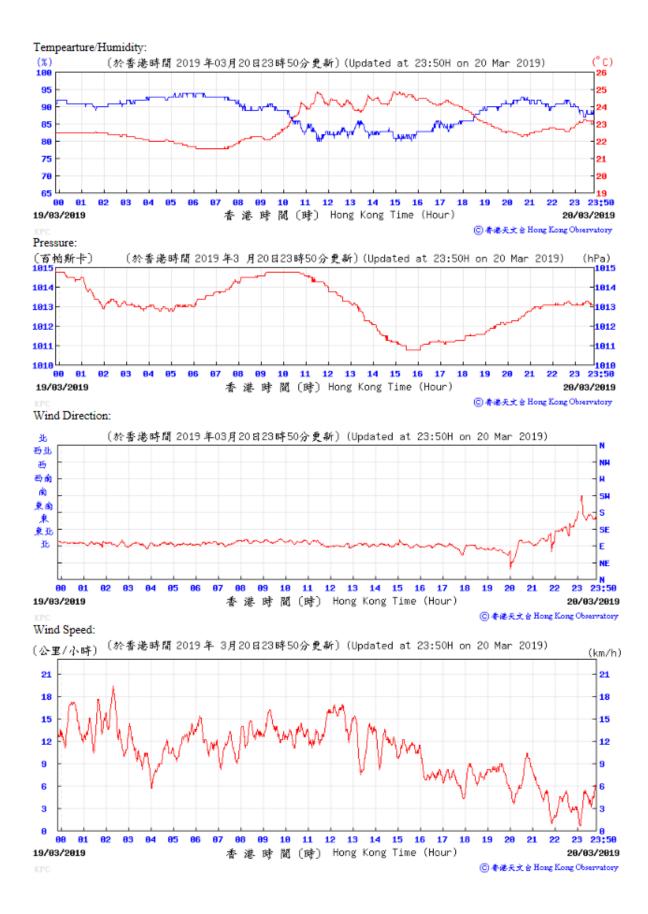


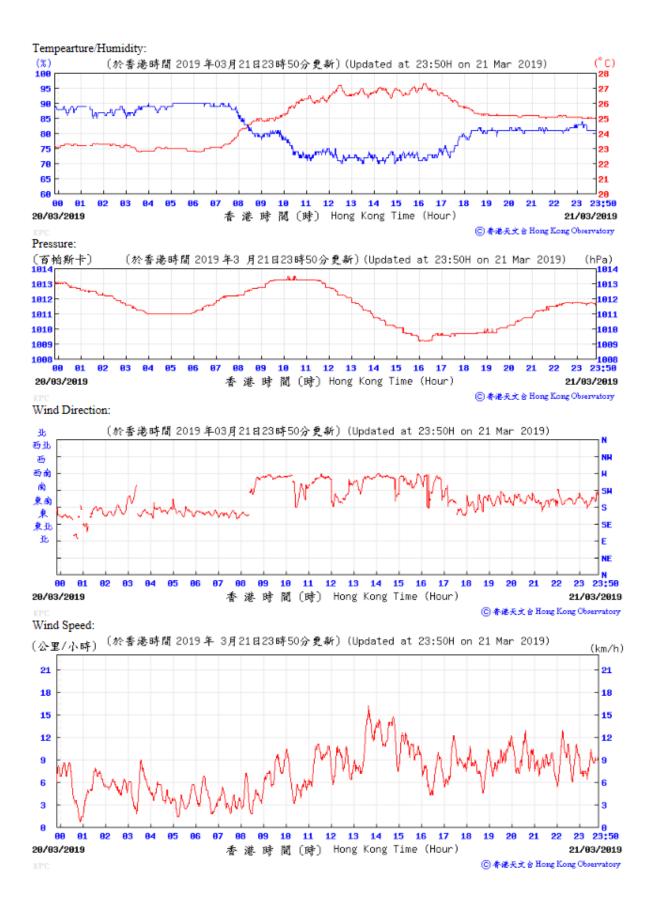


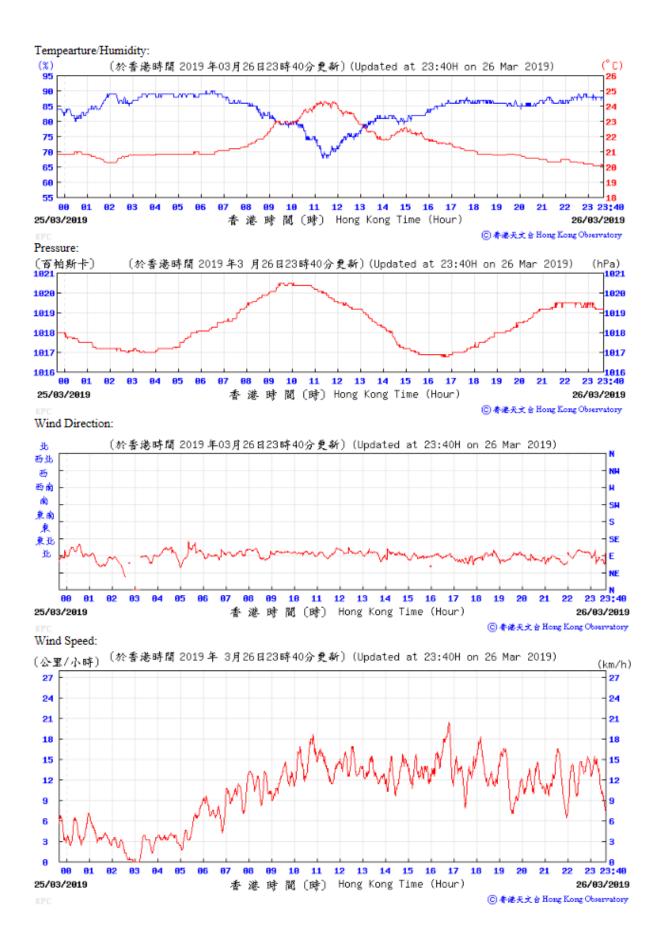


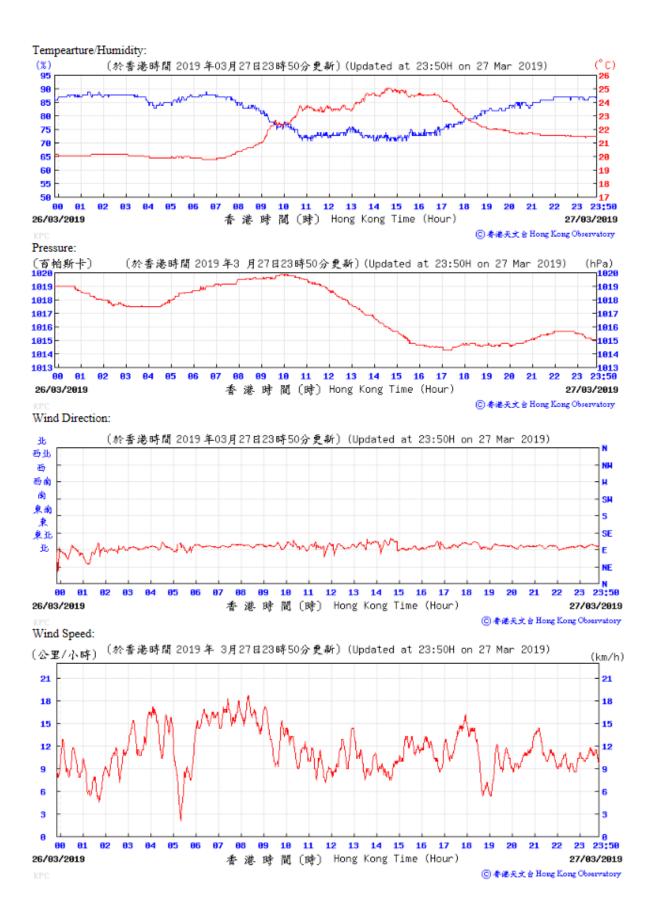


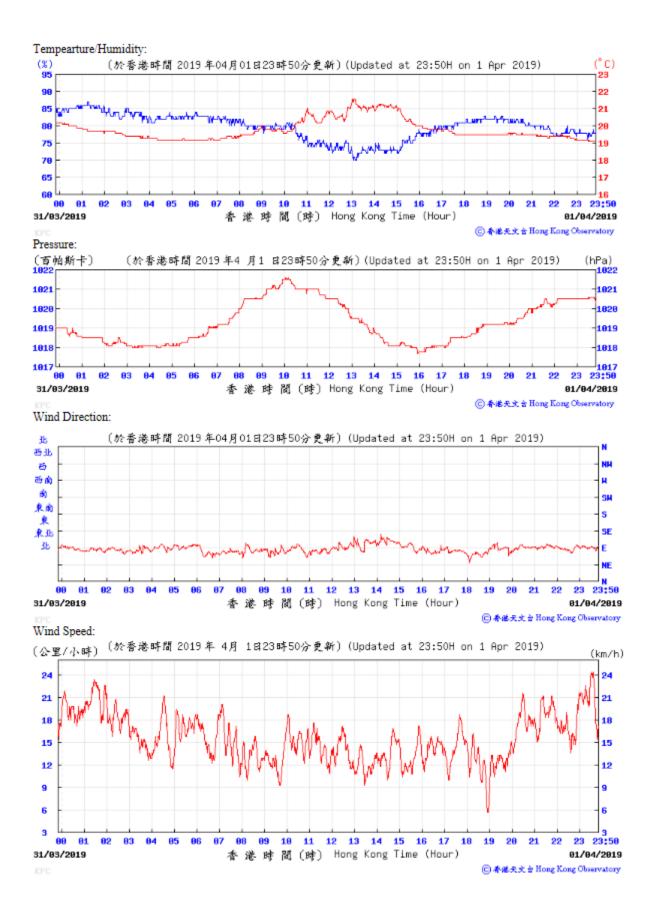


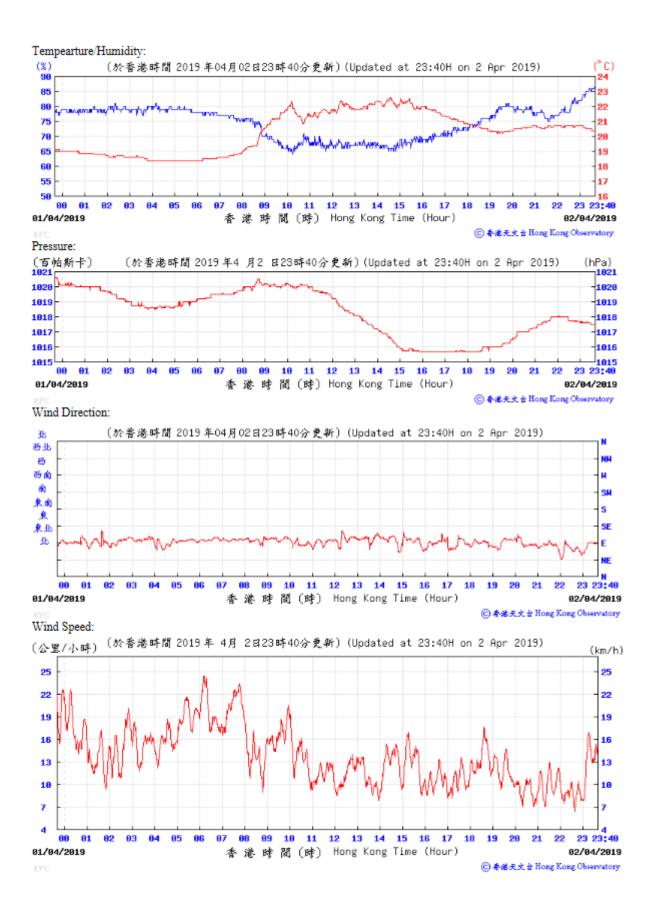


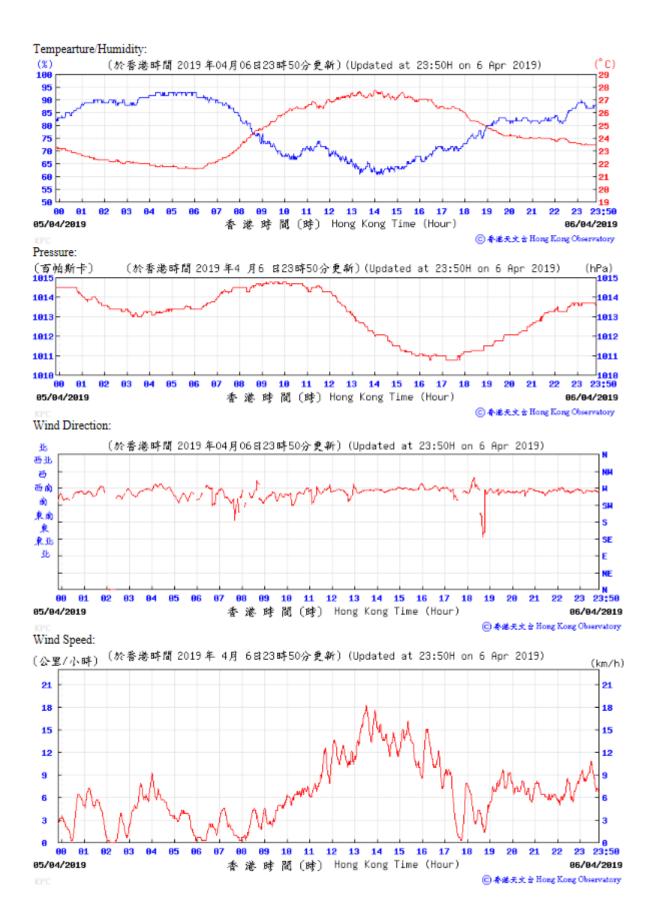


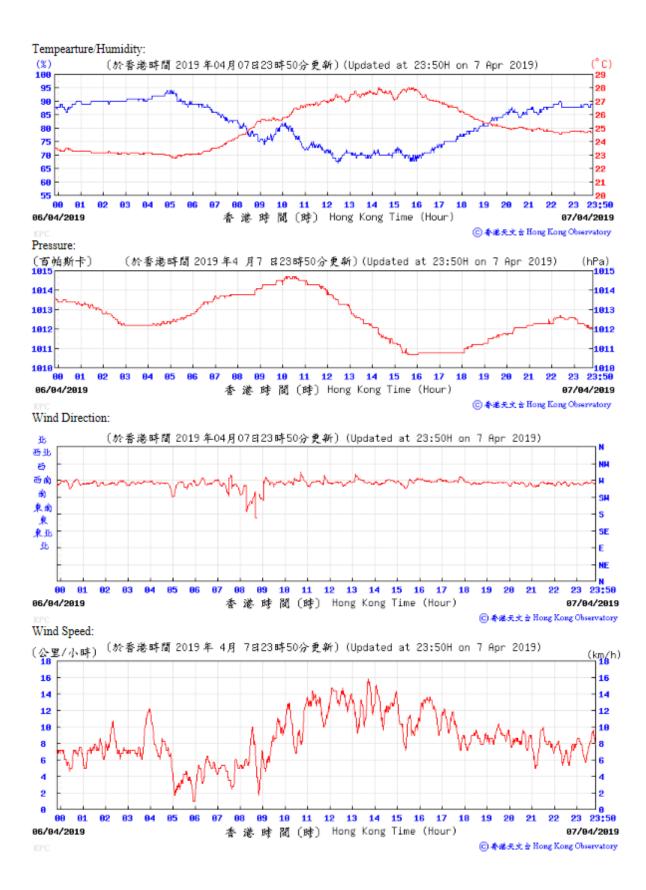


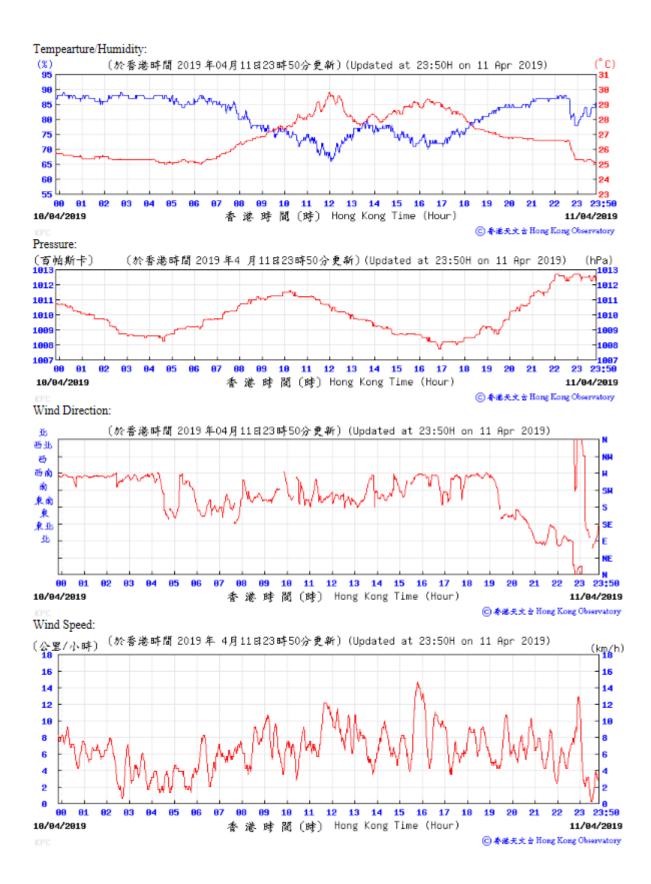


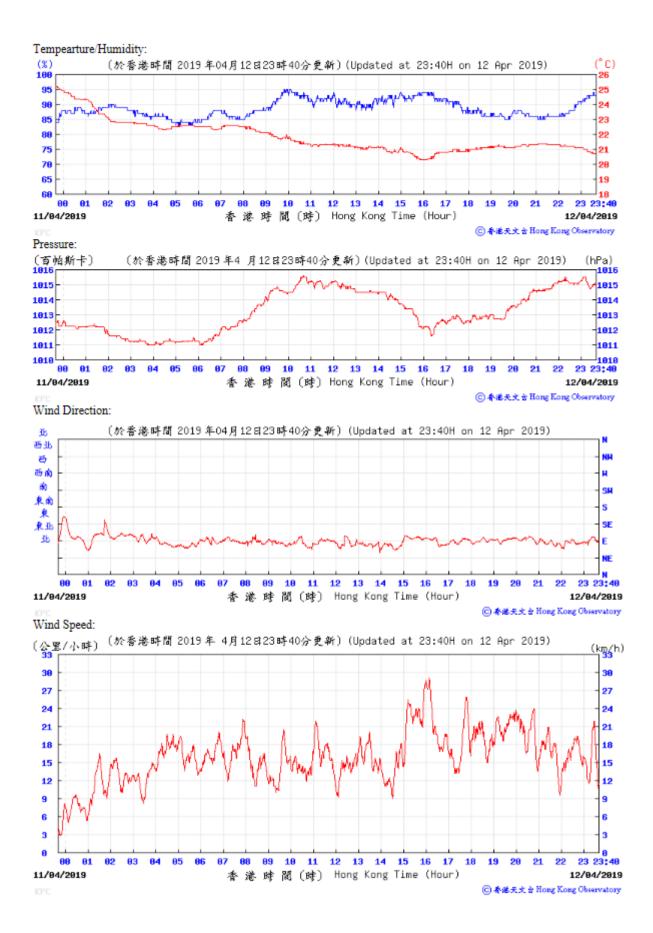


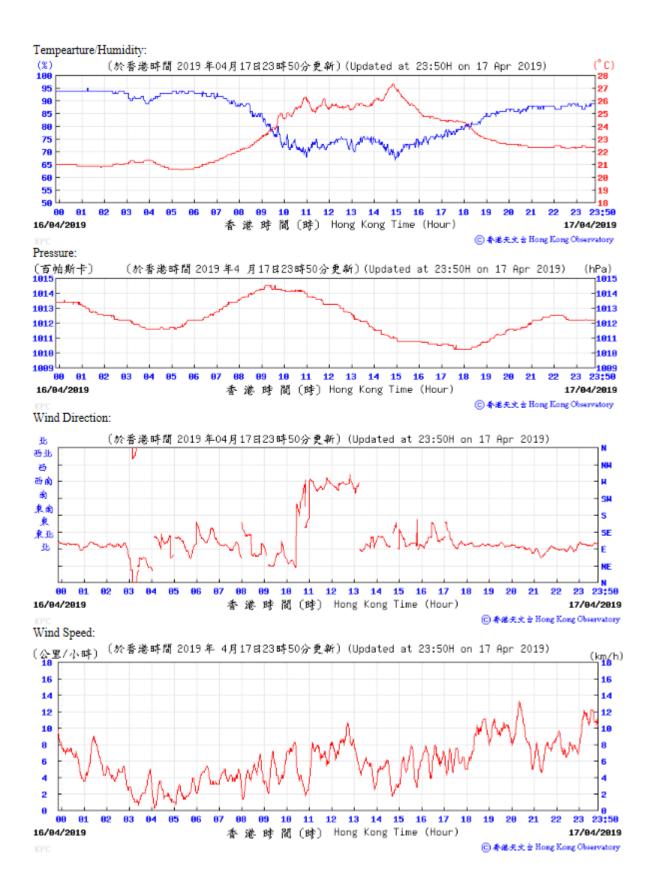


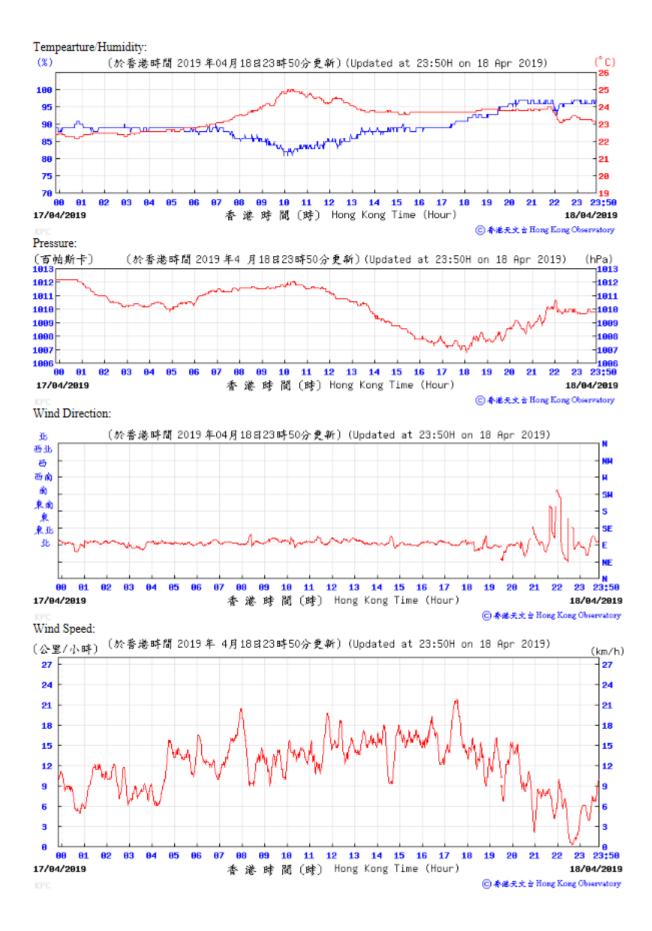


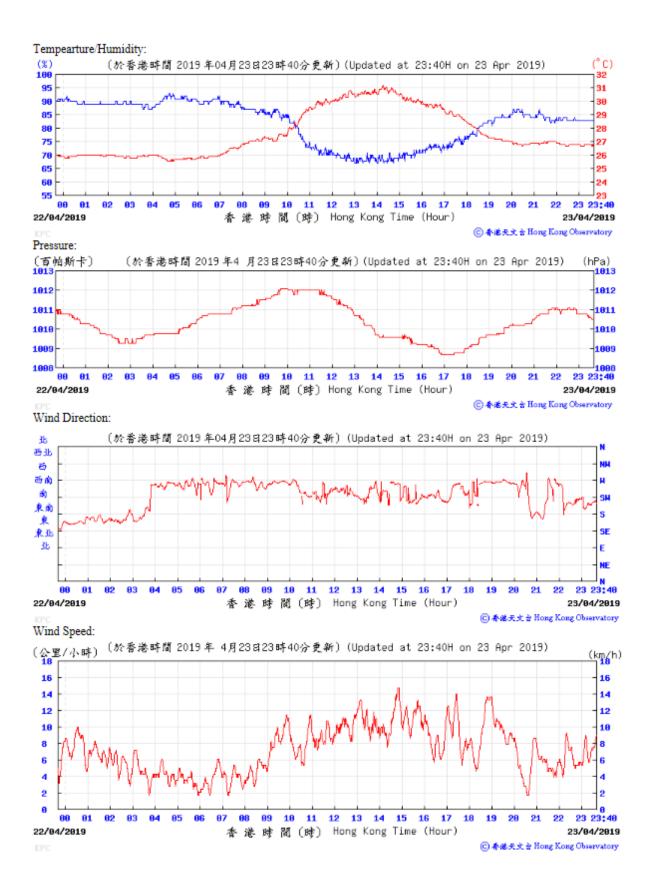


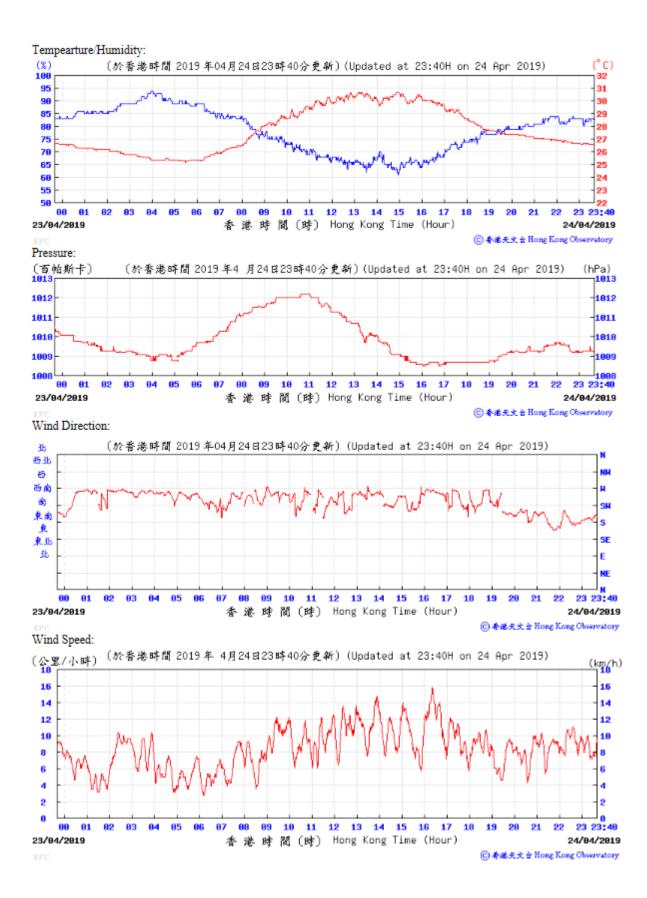


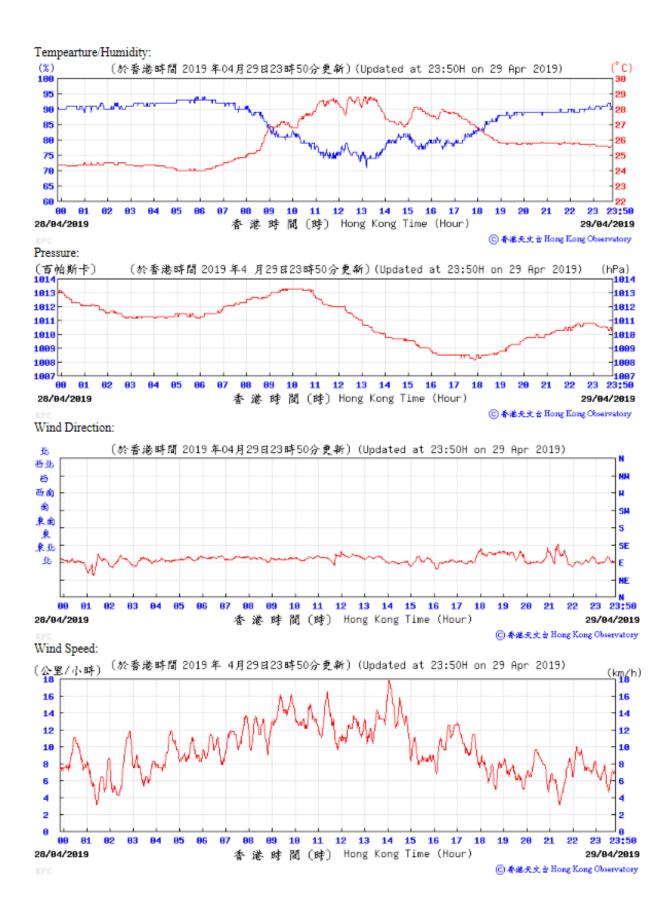


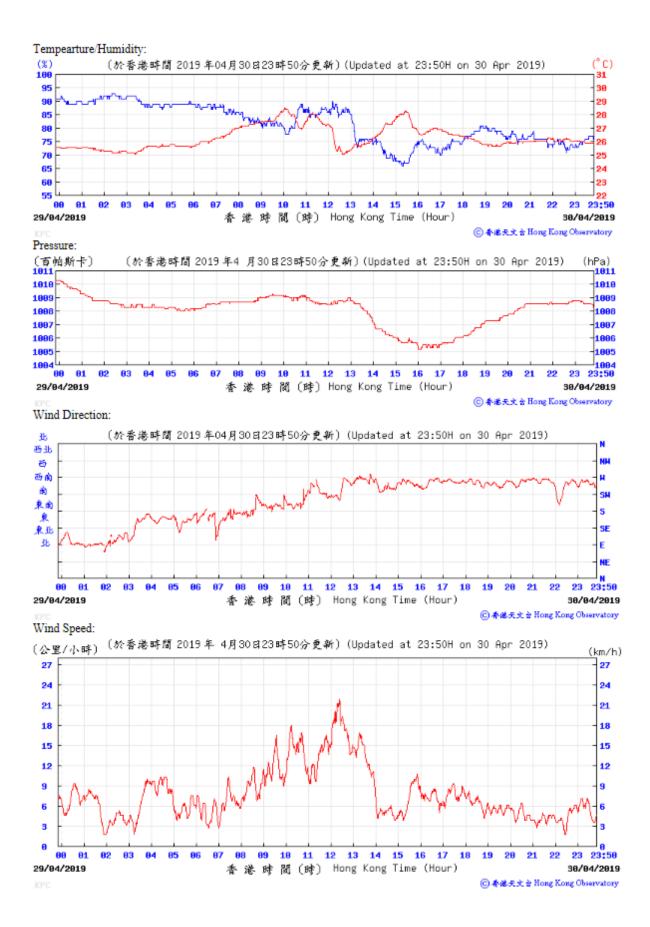








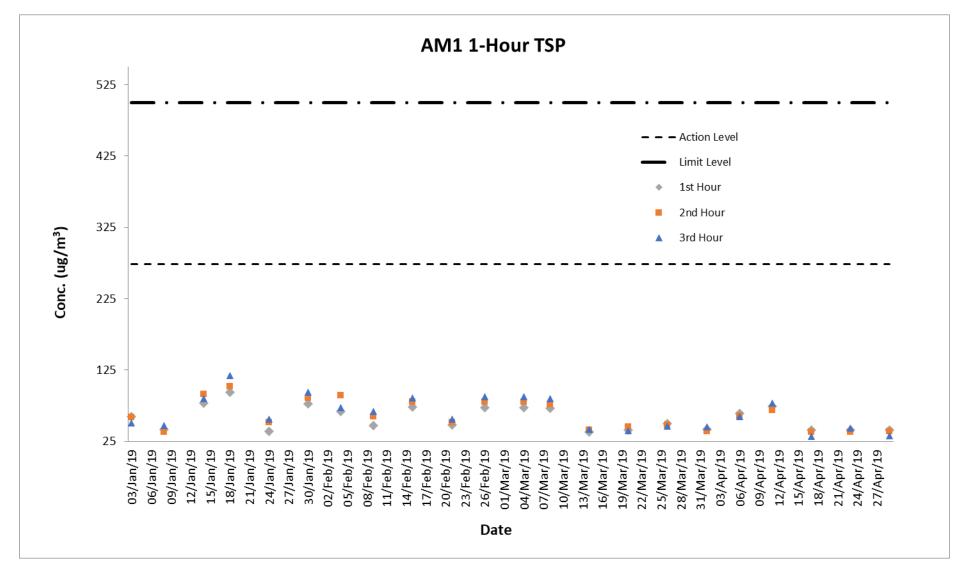




E. Graphical Plots of the Monitoring Results

	Weather		C	conc. (μg/m ⁸	3)	Action Level	Limit Level
Date	Condition	Time	1 st Hour	2 nd Hour	3 rd Hour	(µg/m3)	(µg/m³)
04-Feb-19	Sunny	8:00 - 11:00	67	89	72	273.7	500
09-Feb-19	Cloudy	8:12 - 11:12	47	60	67	273.7	500
15-Feb-19	Cloudy	8:12 - 11:12	73	80	86	273.7	500
21-Feb-19	Cloudy	8:10 - 11:10	48	52	56	273.7	500
26-Feb-19	Cloudy	7:55 - 10:55	72	80	88	273.7	500
04-Mar-19	Sunny	8:07 - 11:07	72	80	88	273.7	500
08-Mar-19	Cloudy	7:50 - 10:50	71	77	85	273.7	500
14-Mar-19	Cloudy	8:12 - 11:12	38	41	42	273.7	500
20-Mar-19	Cloudy	8:12 - 11:12	41	45	40	273.7	500
26-Mar-19	Fine	7:52 - 10:52	50	48	46	273.7	500
01-Apr-19	Cloudy	8:00 - 11:00	42	39	45	273.7	500
06-Apr-19	Sunny	8:02 - 11:02	64	61	60	273.7	500
11-Apr-19	Fine	7:50 - 10:50	74	69	79	273.7	500
17-Apr-19	Cloudy	7:52 - 10:52	41	38	32	273.7	500
23-Apr-19	Fine	7:53 - 10:53	41	38	44	273.7	500
29-Apr-19	Fine	7:52 - 10:52	41	39	33	273.7	500

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

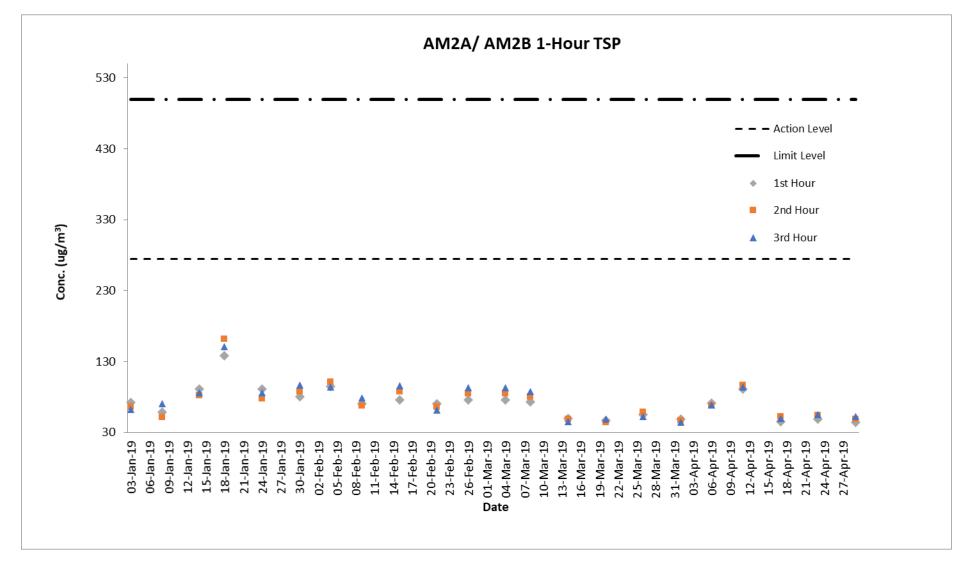


Graphical Presentation of Air Quality Monitoring Result at Station AM1 (1-hour TSP)

	Weather		Conc. (μg/m ³)			Action Level	Limit Level
Date	Condition	Time	1 st Hour	2 nd Hour	3 rd Hour	(µg/m3)	(µg/m³)
04-Feb-19	Sunny	8:12 - 11:12	95	101	94	274.2	500
09-Feb-19	Cloudy	8:24 - 11:24	70	68	79	274.2	500
15-Feb-19	Cloudy	8:25 - 11:25	76	88	96	274.2	500
21-Feb-19	Cloudy	8:17 - 11:17	70	66	61	274.2	500
26-Feb-19	Cloudy	9:10 - 12:10	76	85	93	274.2	500
04-Mar-19	Sunny	8:17 - 11:17	76	85	93	274.2	500
08-Mar-19	Cloudy	8:05 - 11:05	73	80	88	274.2	500
14-Mar-19	Cloudy	8:27 - 11:27	50	49	45	274.2	500
20-Mar-19	Cloudy	8:27 - 11:27	47	44	49	274.2	500
26-Mar-19	Fine	8:10 - 11:10	55	59	52	274.2	500
01-Apr-19	Cloudy	8:17 - 11:17	49	47	44	274.2	500
06-Apr-19	Sunny	8:16 - 11:16	71	68	69	274.2	500
11-Apr-19	Fine	8:07 - 11:07	91	97	94	274.2	500
17-Apr-19	Cloudy	8:07 - 11:07	45	52	50	274.2	500
23-Apr-19	Fine	8:07 - 11:07	49	54	55	274.2	500
29-Apr-19	Fine	8:07 - 11:07	44	49	52	274.2	500

Air Quality Monitoring Result at Station AM2A/ AM2B (1-hour TSP)

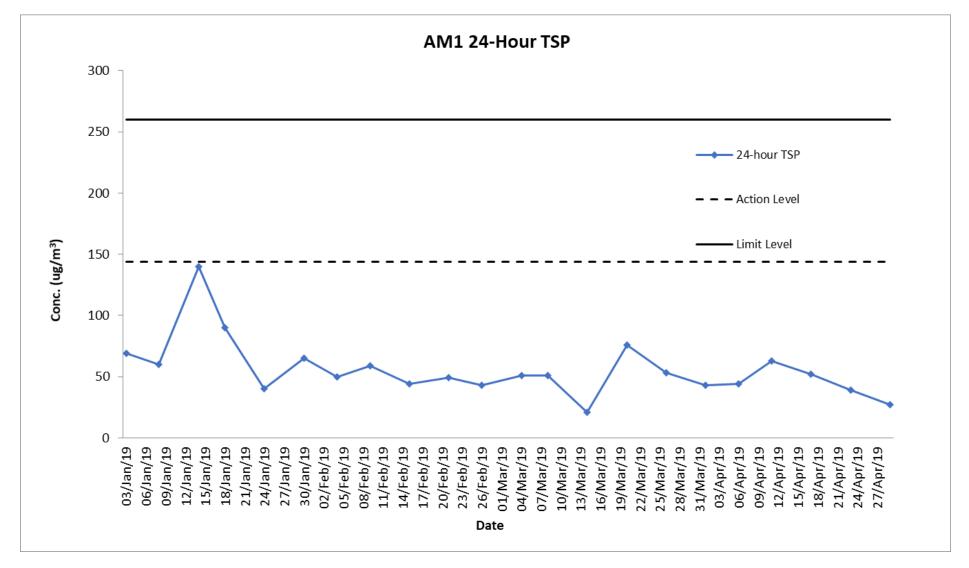
Remarks: The 24-hr TSP monitoring has been conducted at the alternative monitoring location AM2B from 26 February 2019 onwards.



Graphical Presentation of Air Quality Monitoring Result at Station AM2A/ AM2B (1-hour TSP)

Star	rt	Finis	sh	Filter W	eight (g)	Rea	ding	Sampling	Flov	v Rate (m ³ /	min)	Conc.	Weather	Action	Limit
Date	Time	Date	Time	Initial	Final	Initial	Final	Time (hrs)	Initial	Final	Average	(µg/m³)	Condition	Level	Level
04-Feb-19	7:58	05-Feb-19	7:58	2.6982	2.7906	23784.38	23808.38	24	1.28	1.28	1.28	50	Sunny	143.6	260
09-Feb-19	8:10	10-Feb-19	8:10	2.7123	2.8205	23808.38	23832.38	24	1.28	1.28	1.28	59	Cloudy	143.6	260
15-Feb-19	8:10	16-Feb-19	8:10	2.6973	2.7792	23832.38	23856.38	24	1.28	1.28	1.28	44	Cloudy	143.6	260
21-Feb-19	8:05	22-Feb-19	8:05	2.7172	2.8073	23856.38	23880.38	24	1.28	1.28	1.28	49	Cloudy	143.6	260
26-Feb-19	7:53	27-Feb-19	7:53	2.6887	2.7652	23880.38	23904.38	24	1.24	1.24	1.24	43	Cloudy	143.6	260
04-Mar-19	8:05	05-Mar-19	8:05	2.7017	2.7925	23904.38	23928.38	24	1.24	1.24	1.24	51	Sunny	143.6	260
08-Mar-19	7:48	09-Mar-19	7:48	2.6928	2.7837	23928.38	23952.38	24	1.24	1.24	1.24	51	Cloudy	143.6	260
14-Mar-19	8:10	15-Mar-19	8:10	2.6010	2.6389	23952.38	23976.38	24	1.24	1.24	1.24	21	Cloudy	143.6	260
20-Mar-19	8:10	21-Mar-19	8:10	2.5875	2.7233	23976.38	24000.38	24	1.24	1.24	1.24	76	Cloudy	143.6	260
26-Mar-19	7:50	27-Mar-19	7:50	2.6562	2.7513	24000.38	24024.38	24	1.24	1.24	1.24	53	Fine	143.6	260
01-Apr-19	8:02	02-Apr-19	8:02	2.637	2.7135	24024.38	24048.38	24	1.24	1.24	1.24	43	Cloudy	143.6	260
06-Apr-19	8:00	07-Apr-19	8:00	2.6376	2.7167	24048.38	24072.38	24	1.24	1.24	1.24	44	Sunny	143.6	260
11-Apr-19	7:52	12-Apr-19	7:52	2.6228	2.7350	24072.38	24096.38	24	1.24	1.24	1.24	63	Fine	143.6	260
17-Apr-19	7:50	18-Apr-19	7:50	2.6411	2.7332	24096.38	24120.38	24	1.24	1.24	1.24	52	Cloudy	143.6	260
23-Apr-19	10:20	24-Apr-19	10:20	2.6705	2.7397	24120.38	24144.38	24	1.24	1.24	1.24	39	Fine	143.6	260
29-Apr-19	7:50	30-Apr-19	7:50	2.7111	2.7592	24144.38	24168.38	24	1.24	1.24	1.24	27	Fine	143.6	260

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

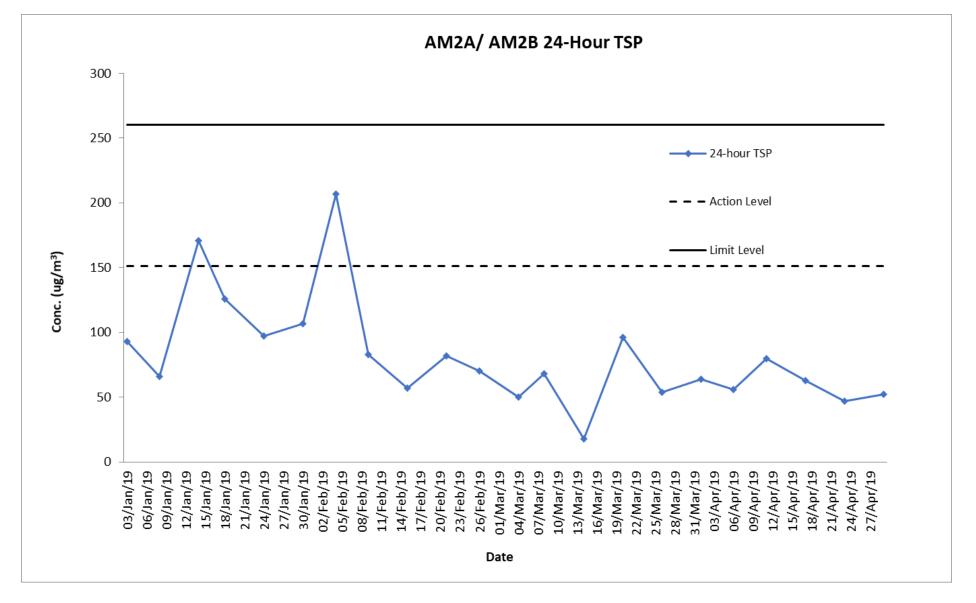


Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)

Star	rt	Finis	sh	Filter W	eight (g)	Rea	ding	Sampling	Flov	v Rate (m ³ /	min)	Conc.	Weather	Action	Limit
Date	Time	Date	Time	Initial	Final	Initial	Final	Time (hrs)	Initial	Final	Average	(µg/m³)	Condition	Level	Level
04-Feb-19	8:10	05-Feb-19	8:10	2.7001	3.0817	19439.05	19463.05	24	1.28	1.28	1.28	207	Sunny	151.1	260
09-Feb-19	8:22	10-Feb-19	8:22	2.6873	2.8406	19463.05	19487.05	24	1.28	1.28	1.28	83	Cloudy	151.1	260
15-Feb-19	8:23	16-Feb-19	8:23	2.7036	2.8086	19487.05	19511.05	24	1.28	1.28	1.28	57	Cloudy	151.1	260
21-Feb-19	8:15	22-Feb-19	8:15	2.7118	2.8621	19511.05	19535.05	24	1.28	1.28	1.28	82	Cloudy	151.1	260
26-Feb-19	9:05	27-Feb-19	9:05	2.7119	2.8296	19535.05	19559.05	24	1.17	1.17	1.17	70	Cloudy	151.1	260
04-Mar-19	8:20	05-Mar-19	8:20	2.6899	2.7737	19559.05	19583.05	24	1.17	1.17	1.17	50	Sunny	151.1	260
08-Mar-19	8:03	09-Mar-19	8:03	2.7069	2.8223	19583.05	19607.05	24	1.17	1.17	1.17	68	Cloudy	151.1	260
14-Mar-19	8:25	15-Mar-19	8:25	2.5877	2.6182	19607.05	19631.05	24	1.17	1.17	1.17	18	Cloudy	151.1	260
20-Mar-19	8:25	21-Mar-19	8:25	2.6160	2.7777	19631.05	19655.05	24	1.17	1.17	1.17	96	Cloudy	151.1	260
26-Mar-19	8:07	27-Mar-19	8:07	2.6583	2.7495	19655.05	19679.05	24	1.17	1.17	1.17	54	Fine	151.1	260
01-Apr-19	8:15	02-Apr-19	8:15	2.6444	2.7520	19679.05	19703.05	24	1.17	1.17	1.17	64	Cloudy	151.1	260
06-Apr-19	8:14	07-Apr-19	8:14	2.6298	2.7248	19703.05	19727.05	24	1.17	1.17	1.17	56	Sunny	151.1	260
11-Apr-19	8:05	12-Apr-19	8:05	2.6124	2.7474	19727.05	19751.05	24	1.17	1.17	1.17	80	Fine	151.1	260
17-Apr-19	8:05	18-Apr-19	8:05	2.7039	2.8092	19751.05	19775.05	24	1.17	1.17	1.17	63	Cloudy	151.1	260
23-Apr-19	8:05	24-Apr-19	8:05	2.7053	2.7848	19775.05	19799.05	24	1.17	1.17	1.17	47	Fine	151.1	260
29-Apr-19	8:05	30-Apr-19	8:05	2.697	2.7852	19799.05	19823.05	24	1.17	1.17	1.17	52	Fine	151.1	260

Air Quality Monitoring Result at Station AM2A/ AM2B (24-hour TSP)

Remarks: The 24-hr TSP monitoring has been conducted at the alternative monitoring location AM2B from 26 February 2019 onwards.



Graphical Presentation of Air Quality Monitoring Result at Station AM2A/ AM2B (24-hour TSP)

Noise Monitoring Result at Station NM1A

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
04-Feb-19	10:17	66	61.7	
04-Feb-19	10:22	65.2	62.3	
04-Feb-19	10:27	66.7	62.5	
04-Feb-19	10:32	65.7	61.6	67
04-Feb-19	10:37	66.5	62.4	
04-Feb-19	10:42	66.4	62.7	
15-Feb-19	10:32	67.4	63.2	
15-Feb-19	10:37	66.7	62.5	
15-Feb-19	10:42	68.5	64.3	<u></u>
15-Feb-19	10:47	68.6	64.1	69
15-Feb-19	10:52	67.5	63.2	
15-Feb-19	10:57	68	64.1	
21-Feb-19	10:43	68.6	64.1	
21-Feb-19	10:48	68.7	64.2	
21-Feb-19	10:53	67.5	63.7	
21-Feb-19	10:58	66.3	62.5	69
21-Feb-19	11:03	67.4	63	
21-Feb-19	11:08	67.6	63.6	
26-Feb-19	11:14	69.4	65.7	
26-Feb-19	11:19	70.4	66.8	
26-Feb-19	11:24	68.3	64.6	
26-Feb-19	11:29	69.5	65.7	70
26-Feb-19	11:34	67.8	63.4	
26-Feb-19	11:39	67.6	63.1	
04-Mar-19	10:27	66.8	62.7	
04-Mar-19	10:32	67.4	63.1	
04-Mar-19	10:37	68.3	64.6	
04-Mar-19	10:42	68.5	64.3	69
04-Mar-19	10:47	67.8	63.9	
04-Mar-19	10:52	67.9	63.6	
14-Mar-19	10:35	68.2	62.1	
14-Mar-19	10:40	68.3	63.0	
14-Mar-19	10:45	67.7	62.4	
14-Mar-19	10:50	68.1	63.4	69
14-Mar-19	10:55	67.9	63.7	
14-Mar-19	11:00	68.8	63.4	
20-Mar-19	10:33	68.2	63.1	
20-Mar-19	10:38	67.9	62.4	
20-Mar-19	10:43	68.3	63.5	
20-Mar-19	10:48	67.6	63.0	69
20-Mar-19	10:53	68.0	62.5	
20-Mar-19	10:58	68.5	63.4	
26-Mar-19	10:12	67.5	63.1	
26-Mar-19	10:12	66.3	62.6	
26-Mar-19	10:22	68.6	64.5	
26-Mar-19	10:22	68.4	64.7	69
26-Mar-19	10:32	67.1	63.3	
26-Mar-19	10:32	68.5	64.1	

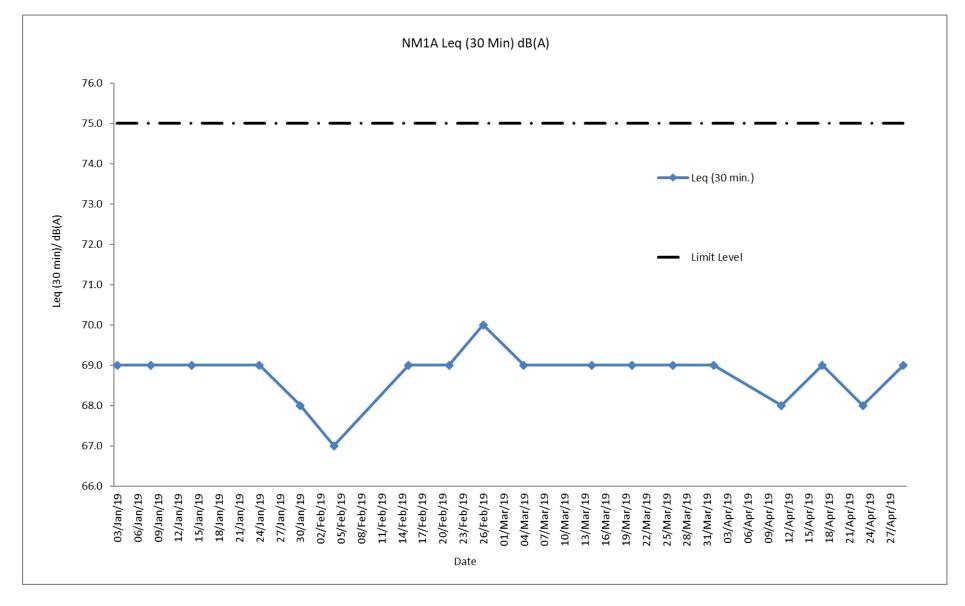
01-Apr-19	10:24	68.6	64.1	
01-Apr-19	10:29	66.4	62.0	
01-Apr-19	10:34	67.5	63.3	69
01-Apr-19	10:39	68.3	64.1	69
01-Apr-19	10:44	66.1	62.7	
01-Apr-19	10:49	67.5	63.3	
11-Apr-19	10:14	66.5	62.3	
11-Apr-19	10:19	67.4	63.1	
11-Apr-19	10:24	66.6	62.5	68
11-Apr-19	10:29	67.3	63.4	08
11-Apr-19	10:34	66.7	62.6	
11-Apr-19	10:39	66.5	62.3	
17-Apr-19	10:14	67.8	63.7	
17-Apr-19	10:19	68.6	64.2	
17-Apr-19	10:24	69.5	65.6	<u> </u>
17-Apr-19	10:29	67.9	63.5	- 69
17-Apr-19	10:34	66.2	62.6	
17-Apr-19	10:39	67.3	63.3	
23-Apr-19	10:10	66.0	62.7	
23-Apr-19	10:15	68.3	64.1	
23-Apr-19	10:20	68.9	64.5	68
23-Apr-19	10:25	67.6	63.2	08
23-Apr-19	10:30	66.4	63.0	
23-Apr-19	10:35	66.5	62.5	
29-Apr-19	10:12	66.4	62.2	
29-Apr-19	10:17	67.9	63.5	
29-Apr-19	10:22	68.0	64.1	69
29-Apr-19	10:27	69.3	65.5	69
29-Apr-19	10:32	66.5	62.3	
29-Apr-19	10:37	67.7	63.4	

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

	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Wastes Generated Monthly						
Month	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 tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)		
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	13709.6	0.0	0.0	12432.0	1277.6	0.0	0.0	111.3	0.2	0.0	38.5	0.0	104.9		
Sep	6702.0	0.0	0.0	5648.0	1000.1	53.9	0.0	104.2	0.0	0.0	45.5	0.2	107.9		
Oct	2103.6	0.0	0.0	496.0	1595.4	12.2	0.0	83.0	0.4	0.0	73.5	0.0	108.2		
Nov	3302.7	0.0	0.0	2384.0	855.5	63.2	0.0	88.4	0.6	0.0	63.0	0.0	129.1		
Dec	899.8	0.0	0.0	736.0	126.8	37.0	0.0	48.3	0.6	0.0	70.0	0.0	89.0		
Sub-total (2016)	134133.5	0.0	25232.0	99456.0	9279.3	166.3	0.0	814.9	2.3	0.0	400.1	0.2	861.8		
2017															
Jan	675.2	0.0	0.0	432.0	237.9	5.3	0.0	79.5	1.0	0.0	70.0	0.0	79.7		
Feb	927.7	0.0	0.0	768.0	125.6	34.0	0.0	70.5	0.6	0.0	84.0	0.0	81.4		
Mar	1856.7	0.0	0.0	1280.0	466.9	109.8	0.0	62.8	0.4	0.0	98.0	0.0	148.5		
Apr	642.4	0.0	0.0	160.0	324.9	157.5	0.0	87.5	0.7	0.0	175.0	0.0	102.5		
May	1118.2	0.0	0.0	528.0	416.4	173.7	0.0	118.3	0.0	0.0	280.0	0.0	139.0		
June	650.0	0.0	0.0	0.0	451.6	198.4	0.0	199.7	1.4	0.0	350.0	0.0	98.7		
Jul	1762.0	0.0	0.0	0.0	1466.6	295.4	0.0	36.9	1.2	0.0	244.0	0.0	164.2		
Aug	1231.5	0.0	0.0	0.0	867.5	364.0	0.0	50.9	0.9	0.0	59.0	0.0	186.9		
Sep	1681.7	0.0	0.0	0.0	1342.0	339.7	0.0	52.3	0.7	0.0	77.0	0.0	265.3		
Oct	483.6	0.0	0.0	0.0	242.5	241.1	0.0	374.8	0.6	0.0	24.1	0.0	128.5		
Nov	822.8	0.0	0.0	0.0	344.5	478.3	0.0	948.5	0.7	0.0	140.0	0.2	219.1		
Dec	601.3	0.0	0.0	0.0	236.2	365.1	0.0	903.6	0.8	0.0	320.0	0.0	241.9		

		Actual Qua	ntities of Ine	rt C&D Mater	ials Generat	ed Monthly		A	ctual Quantit	ties of C&D V	Nastes Gene	rated Month	ly
Month	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 tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
Sub-total (2017)	12453.0	0.0	0.0	3168.0	6522.6	2762.4	0.0	2985.3	8.9	0.0	1921.1	0.2	1855.5
2018													
Jan	1015.3	0.0	0.0	0.0	574.1	441.2	0.0	773.3	1.5	0.0	100.0	0.0	183.6
Feb	847.6	0.0	0.0	0.0	608.3	239.3	0.0	34.0	1.0	0.0	25.0	0.0	154.9
Mar	1507.0	0.0	0.0	0.0	1102.1	404.9	0.0	39.5	1.5	0.0	120.0	0.0	264.1
Apr	2942.8	0.0	0.0	0.0	2542.4	400.4	0.0	60.1	0.3	0.0	100.0	0.0	252.5
May	2109.2	0.0	0.0	0.0	1593.3	515.9	0.0	37.0	0.4	0.0	70.0	0.0	311.4
Jun	1697.6	0.0	0.0	0.0	1162.4	535.2	0.0	47.0	0.3	0.0	105.0	0.0	188.2
Jul	945.5	0.0	0.0	0.0	646.1	299.4	0.0	15.2	0.4	0.0	150.0	0.0	277.6
Aug	730.8	0.0	0.0	0.0	461.4	269.4	0.0	0.0	0.0	0.0	40.0	0.0	109.1
Sep	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
Oct	1193.1	0.0	0.0	0.0	895.7	297.5	0.0	129.3	2.7	0.0	200.0	0.0	116.6
Nov	1608.9	0.0	0.0	0.0	841.1	767.7	0.0	43.6	1.1	0.0	245.0	0.0	213.9
Dec	1143.4	0.0	0.0	0.0	341.9	801.5	0.0	256.7	0.8	0.0	180.0	0.0	198.2
Sub-total (2018)	15741.0	0.0	0.0	0.0	10768.7	4972.3	0.0	1435.7	9.9	0.0	1335.0	0.0	2270.2
2019									•		-	-	
Jan	1478.9	0.0	0.0	0.0	572.3	906.6	0.0	192.1	0.8	0.0	40.0	0.0	303.9
Feb	618.5	0.0	0.0	0.0	397.4	221.2	0.0	43.4	1.2	0.0	20.0	0.0	429.7
Mar	1102.2	0.0	0.0	0.0	908.9	193.2	0.0	31.8	0.0	0.0	20.0	0.0	645.2
Apr	327.4	0.0	0.0	0.0	127.3	200.2	0.0	0.0	0.0	0.0	300.0	0.9	477.4
Sub-total (2019)	3527.0	0.0	0.0	0.0	2005.8	1521.2	0.0	267.3	2.0	0.0	380.0	0.9	1856.2
Total	242114.8	0.0	25232.0	140485.4	66975.2	9422.2	0.0	5605.6	23.2	0.0	4036.2	2.2	6977.3

Note:

- 58.4 tonnes, 822.9 tonnes and 552.3 onnes of inert C&D material were disposed of as public fill to Chai Wan Public Fill Barging Point, Tuen Mun Area 38 and Tseung Kwan O Area 137 Public Fill 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; (7) Foundation Works at Marriot Hotel at Ocean Park.

- Quantities of waste materials generated for the previous reporting months have been updated by Contractor.

Lyric Theatre Complex

		Actual Quanti				ted Monthly		Actu	ual Quantities	of C&D Wa	astes Gene	erated Mont	hly
Month	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facilty	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	0.2	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	14419.9	0.0	0.0	0.0	14419.9	0.0	0.0	43.9	0.0	0.0	0.0	0.0	11.1
Sep	13671.3	0.0	0.0	0.0	13671.3	0.0	0.0	59.8	0.0	0.0	0.0	1.6	12.4
Oct	13088.9	0.0	0.0	0.0	13088.9	0.0	0.0	36.9	0.2	1.5	0.0	0.0	15.2
Nov	12424.7	0.0	0.0	0.0	12424.7	0.0	0.0	74.7	0.0	0.0	0.0	1.4	10.2
Dec	12487.6	0.0	0.0	0.0	12487.6	0.0	0.0	13.9	0.0	0.0	0.0	1.3	9.0
Sub-total (2016)	111138.8	0.0	0.0	0.0	111138.8	0.0	0.0	334.5	0.4	1.5	0.0	7.6	191.6
2017		-	-						-				
Jan	9607.8	0.0	0.0	0.0	9607.8	0.0	0.0	29.5	0.0	0.0	0.0	0.0	7.3
Feb	9108.2	0.0	0.0	0.0	9108.2	0.0	0.0	50.2	0.2	0.0	0.0	0.7	9.8
Mar	11361.7	0.0	0.0	0.0	11361.7	0.0	0.0	16.1	0.0	0.0	0.0	1.4	8.5
Apr	2591.5	0.0	0.0	0.0	2591.5	0.0	0.0	35.7	0.0	0.0	0.0	0.0	4.7
May	2579.3	0.0	0.0	99.0	2480.3	0.0	0.0	20.9	0.1	0.0	0.0	0.5	10.0
Jun	476.0	0.0	0.0	341.0	129.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	7.6
Jul	3419.0	0.0	0.0	804.0	2615.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8
Aug	3730.9	0.0	0.0	1377.5	2353.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
Sep	2108.2	0.0	0.0	1133.5	974.7	0.0	0.0	34.6	0.2	0.0	0.0	0.0	10.8
Oct	9159.0	0.0	0.0	7868.0	1291.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	9.3
Nov	5095.4	0.0	0.0	4352.0	725.2	18.1	0.0	0.0	0.0	0.0	0.0	0.0	38.8
Dec	3856.2	0.0	0.0	3076.0	780.2	0.0	0.0	0.0	0.2	0.0	0.0	0.4	8.4
Sub-total (2017)	63093.1	0.0	0.0	19051.0	44018.7	23.4	0.0	187.1	0.7	0.0	0.0	3.8	137.3

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

	A	Actual Quanti	ties of Inert	C&D Mate	rials Generat		Actu	ual Quantities	of C&D Wa	astes Gene	rated Mont	hly	
Month	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facilty	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)
2018	-												
Jan	4083.7	0.0	0.0	1455.0	2628.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
Mar	6120.2	0.0	0.0	5782.0	338.2	0.0	0.0	0.0	0.0	1.0	0.0	0.5	17.6
Apr	14460.3	0.0	0.0	12484.1	1976.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	7.6
May	59783.7	0.0	0.0	46989.0	12794.7	0.0	0.0	59.6	0.0	0.0	0.0	0.0	9.4
Jun	53117.5	0.0	0.0	37642.8	15474.7	0.0	0.0	51.5	0.2	0.0	0.0	0.0	12.8
Jul	89901.5	0.0	0.0	85317.1	4584.4	0.0	165.1	114.6	0.0	0.0	0.0	0.0	41.3
Aug	35137.3	0.0	0.0	33731.6	1405.7	0.0	214.3	148.1	0.0	0.0	0.0	0.0	48.5
Sep	4815.3	0.0	0.0	4619.1	109.2	87.0	174.6	40.0	0.0	0.0	0.0	0.0	179.2
Oct	19021.9	0.0	0.0	11301.0	7564.7	156.1	0.0	106.3	0.4	0.0	0.0	0.0	450.4
Nov	104165.3	0.0	0.0	79811.6	24348.4	5.3	0.0	54.5	0.0	0.6	0.0	0.0	28.9
Dec	62987.1	0.0	0.0	51284.4	11697.1	5.6	0.0	95.1	0.0	0.6	0.0	0.0	63.1
Sub-total (2018)	453593.7	0.0	0.0	370417.7	82922.0	254.0	553.9	669.7	0.5	2.4	0.0	0.5	862.7
2019													
Jan	74479.1	0.0	0.0	69249.5	5229.7	0.0	318.0	326.7	0.2	0.0	0.0	0.0	76.3
Feb	21969.9	0.0	0.0	17723.9	4246.0	0.0	16.5	55.2	0.0	0.0	0.0	0.0	26.7
Mar	14394.7	0.0	0.0	5666.3	8728.4	0.0	337.8	64.5	0.0	0.0	0.0	0.0	36.3
Apr	28673.9	0.0	0.0	21394.3	7279.6	0.0	0.0	32.6	0.0	0.8	0.0	0.0	24.9
Sub-total (2019)	139517.6	0.0	0.0	114034.0	25483.7	0.0	672.3	479.0	0.2	0.8	0.0	0.0	164.2
Total	768569.5	0.0	0.0	503502.7	263563.1	277.4	1226.3	1670.2	1.8	4.7	0.0	11.9	1355.8

Note:

-16,904.23, 3349.73, and 0 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137, Tuen Mun Area 38, and Chai Wan Public Fill Barging Point 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) 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	0	0	0						
From 31 October 2015 to end of the reporting quarter	6	1	0						

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

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of summons	Successful prosecutions
This reporting quarter	0	0	0
From 1 March 2016 to end of the reporting quarter	8	0	0