



# **Development at West Kowloon Cultural District**

Quarterly Environmental Monitoring and Audit  
(EM&A) Report (August 2018 - October 2018)

December 2018



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

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

**Certified by:**



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

Date

10-12-2018

**Verified by:**



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

Date

11-12-2018

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# 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 August 2018 to 31 October 2018.

Due to the situation where Hsin Chong Construction Company Limited has been determined by WKCD A on 17 August 2018 for the M+ Main Works Contract, construction works at M+ Museum have been suspended from 18 August 2018 onwards. A management contractor, Gammon Construction Limited, has been appointed on 7 September 2018 and the construction site of M+ Museum was handed over on 14 September 2018. Construction works was resumed on 2 October 2018.

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**

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

## **Implementation of Mitigation Measures**

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

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

## **Record of Complaints**

No environmental complaint was recorded in the reporting quarter.

## **Record of Notification of Summons and Successful Prosecutions**

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



# 1 Introduction

## 1.1 Background

Mott MacDonald Hong Kong Limited (MMHK) was commissioned to undertake the Environmental Team (ET) services (including environmental monitoring and audit (EM&A)) for the construction of M+ Museum Main Works (Contract No.: CC/2015/3A/022) and Lyric Theatre Complex 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, semi-transparent vertical plane, housing education facilities, a public restaurant and museum offices. At ground and lower levels, generous access will be provided to the park and other West Kowloon Cultural District facilities, alongside a public resource centre, theatres, retail and dining, and back-of-house functions.

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

The Quarterly EM&A Report is prepared in accordance with the Clause 3.4 of the Environmental Permit No. EP-453/2013/B. Due to the situation where Hsin Chong Construction Company Limited has been determined by WKCDA on 17 August 2018 for the M+ Main Works Contract, construction works at M+ Museum have been suspended from 18 August 2018 onwards. A management contractor, Gammon Construction Limited, has been appointed on 7 September 2018 and the construction site of M+ Museum was handed over on 14 September 2018. Construction work was resumed on 2 October 2018. This Quarterly EM&A Report presents the monitoring works conducted from 1 August 2018 to 31 October 2018. 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 1-17 August 2018, 2-31 October 2018, construction works at M+ Museum undertaken include:

- M+ Main Works (Podium) construction of:
  - 16F Columns, Walls & RF Slab (M1)
  - Columns and walls from 14/F to 15/F slab (M2);
  - Columns and walls from 13/F to 14/F slab (M3);
- RDE Building Construction of:
  - Columns & Walls & Slab and Beam from 6/F to 7MF (Zone B)
  - Columns, Walls & RF & Slab and Sunshade from 5/F to 6/F (Zone A & C)
- CSF Building (Zone A & B) Construction of:
  - Columns, Walls & RF & Slab from 7/F to 8/F (Zone A)
  - Columns & Walls & Slab and Beam from 6/F to 7MF (Zone B)
- Site Establishment
  - Extend hoarding / water barriers to ensure that there are no gaps
  - Wheel wash set up at vehicle gate
  - Make good access to toilets and replace toilets damaged during the typhoon
- Structure
  - Podium GF: Falsework, formwork and rebar at K-L/7-9, E-F/11-14, K-M/4-6, Stair at J/9-10
  - Podium 2F: Scaffold & formwork dismantling
  - RDE 8F: Slab rebar & column preparation
- Facade
  - Installation of panels on M+ tower next week
  - Installation of 1MF panels next week
- MEP
  - Cast-in items as per concrete pouring schedule
  - 1st Fix work at M+ podium, RRE and CSF
  - Remaining work at DCS plant room, Sea Water Pump Cells and Heat Exchanger plant room
- ABWF
  - RDE material delivery and block work commence

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

- Excavation and lateral support works at main cofferdam;
- Extended basement structure construction of Area 06;
- Drainage work (PIW works); and
- Grouting work at Main Cofferdam

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

## 2 Summary of EM&A Requirements

### 2.1 Monitoring Requirements

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

**Table 2.1: Summary of Impact EM&A Requirements**

Parameters	Descriptions	Locations	Frequencies	Action level	Limit level
Air Quality	24-Hour TSP	AM1 - International Commerce Centre	At least once every 6 days	143.6 µg/m <sup>3</sup>	260 µg/m <sup>3</sup>
	1-Hour TSP	AM1 - International Commerce Centre	At least 3 times every 6 days	273.7 µg/m <sup>3</sup>	500 µg/m <sup>3</sup>
	24-Hour TSP	AM2A – Austin Road West opposite to The Harbourside Tower 1	At least once every 6 days	151.1 µg/m <sup>3</sup>	260 µg/m <sup>3</sup>
	1-Hour TSP	AM2A – Austin Road West opposite to The Harbourside Tower 1	At least 3 times every 6 days	274.2 µg/m <sup>3</sup>	500 µg/m <sup>3</sup>
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

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. Approval from the management office of the International Commerce Centre has been granted on 29 February 2016 for conducting noise monitoring at the alternative noise monitoring location identified at the podium floor (NM1A) which is free from screening to the construction activities. Therefore, 2 air quality monitoring stations and 1 noise impact monitoring station were confirmed for the impact monitoring.

### 2.2 Environmental Mitigation Measures

Environmental mitigation measures have been recommended in the EM&A Manual. 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**.

**Table 3.1: Summary of Monitoring Data**

Parameter	Monitoring Location	Minimum	Maximum	Average
<b>Air Quality</b>				
1 hour TSP	AM1	32	107	69
1 hour TSP	AM2A	49	109	77
24 hour TSP	AM1	25	82	44
24 hour TSP	AM2A	23	79	47
<b>Construction Noise</b>				
Leq(30min)	NM1A	67	69	70

### 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. of Exceedance		Action Taken
		Action Level	Limit Level	
<b>Air Quality</b>				
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	0	0	N/A
<b>Construction Noise</b>				
NM1A	Leq(30min)	0	0	N/A

#### 3.2.1 1-hour TSP Monitoring

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

#### 3.2.2 24-hour TSP Monitoring

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

#### 3.2.3 Construction Noise Monitoring

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

### 3.2.4 Landscape and Visual Monitoring

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

## 4 Waste Management

### 4.1 M+ Museum

No data is provided by the Contractor for construction works during 1 August to 17 August 2018.

During the reporting period of 2 October to 31 October 2018, 840.41 tonnes and 55.24 tonnes of inert C&D material were disposed of as public fill to Tuen Mun Area 38 and Tseung Kwan O Area 137 Public Fill respectively, while 116.6 tonnes of general refuse were disposed of at SENT landfill. 0 tonne of metals, 0 tonne of paper/cardboard packaging, 0 tonne of plastic and 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 297.5 tonnes of inert C&D materials were disposed to sorting facility. 0 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, 6,191.83 tonnes and 2,887.75 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 678.1 tonnes of general refuse were disposed of at SENT landfill. 294.4 tonnes of metals, 0.2 tonnes of paper/cardboard packaging, 0 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. 388.8 tonnes of fill materials were imported for use at site and 49,565.2 tonnes of inert C&D materials were reused in other projects. 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

No environmental complaint, non-compliance or environmental related prosecution were received. There was no breach of Action or Limit Levels for Air Quality and Noise monitoring 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.

It should be noted that Hsin Chong Construction Company Limited has been determined by WKCD on 17 August 2018 for the M+ Main Works Contract, construction works at M+ Museum have been suspended from 18 August 2018 onwards. A management contractor, Gammon Construction Limited, has been appointed on 7 September 2018 and the construction site of M+ Museum was handed over on 14 September 2018. Construction works was resumed on 2 October 2018.

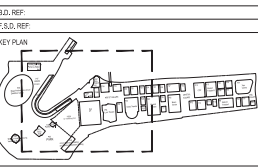
Monitoring of air quality and noise with respect to the Project is underway. In particular, the 1-hour TSP, 24-hour TSP, noise level (as Leq, 30 minutes) under monitoring have been checked against established Action and Limit levels. There was no breach of Action and Limit Levels for 1-hour TSP, 24-hour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

No environmental complaint, 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



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

REV.	DATE	DESCRIPTION	INITIAL

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

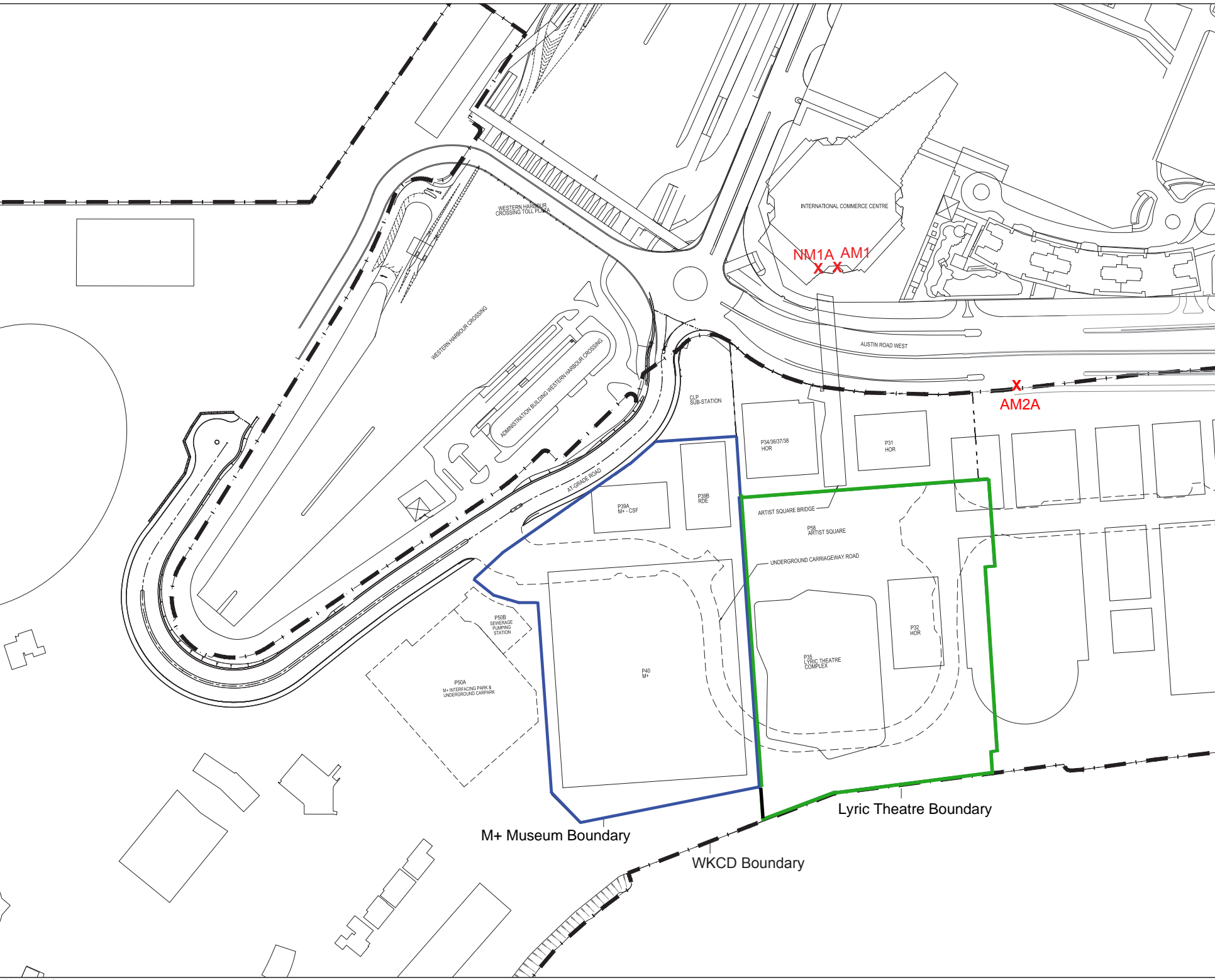
DRAWING TITLE  
**PROPOSED LOCATIONS OF CONSTRUCTION AIR/NOISE MONITORING STATIONS**

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

DRAWING NO.	<b>FIGURE 1</b>	REV.	XA
-------------	-----------------	------	----

CAD REF NAME: XXXXX\AUT-PMS-DWG-POU\02-000-XXX.dwg

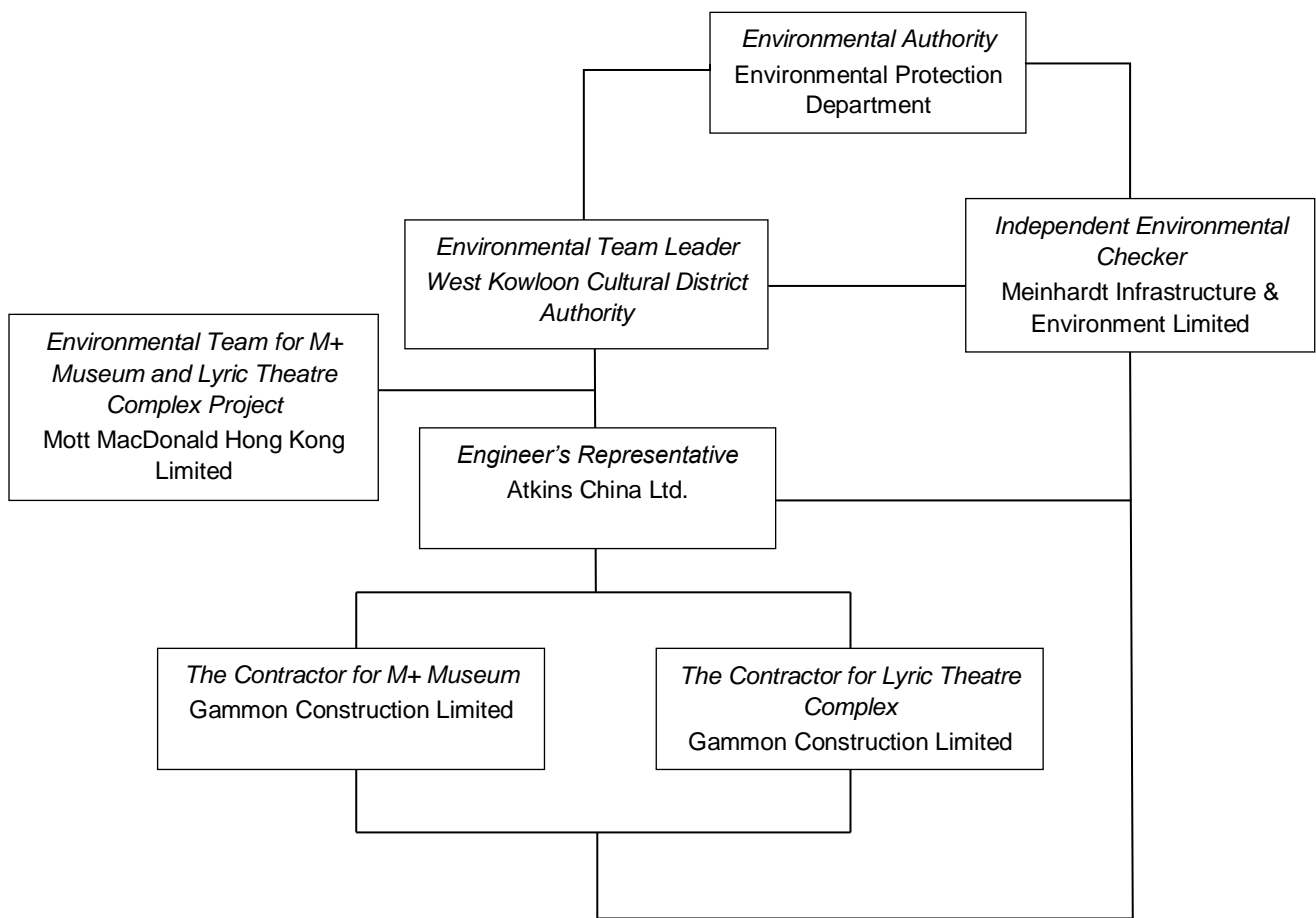
AUTHORITY



# Appendices

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- F. Waste Flow table
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# 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 Brandon Wong	2828 5875
West Kowloon Cultural District Authority	Senior Environmental Specialist	Mr. Brian Tam	2200 0059

## B. Construction Programme

**M+ Museum**

# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June				July				August				September			
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09
<b>3MRP-33 Three Months Rolling Programme at 30 Jun 2018</b>																							
<b>M+ Podium &amp; Tower FACADE Preliminaries</b>																							
<b>BD SUBMISSIONS FACADE SYSTEM &amp; EMBEDS</b>																							
<b>BD Submission - Garden Gallery Ceramic Cladding System &amp; Embed</b>																							
A51790	Garden Gallery Ceramic - Consent	24	10-Nov-17	20-Nov-17	01-Jul-18	25-Jul-18	100%																
<b>BD Submission - Glass Wall with Ceramic/Precast Concrete Mullion, Concrete Tube &amp; Perforated Cladding</b>																							
A52010	Glass Wall with Ceramic & Precast Concrete Mullion - BD Approval	48	01-Nov-17	21-Nov-17	13-Jun-18 A	07-Aug-18	100%																
A52020	Glass Wall with Ceramic & Precast Concrete Mullion - Consent	24	21-Nov-17	01-Dec-17	08-Aug-18	31-Aug-18	100%																
A52000	Glass Wall with Ceramic & Precast Concrete Mullion - Submission to BD	0		01-Nov-17		06-Jun-18 A	100%																
<b>SHOPDRAWING SUBMISSIONS - FACADE DOORS</b>																							
<b>Facade Doors Package #1 - Glazed door between Ceramic Concrete Mullion - Total No. of Doors = 53</b>																							
A52130	1st Shopdrawing Submission - Review & Approval	17	30-Oct-17	06-Nov-17	21-Jul-18	07-Aug-18	100%																
<b>Facade Doors Package #2 - Sliding door at L3 Storefront - Total No. of Doors = 4</b>																							
A52200	2nd Shopdrawing Submission - Review & Approval	17	12-Nov-17	19-Nov-17	04-Jul-18	20-Jul-18	100%																
<b>Facade Doors Package #3 - Swing Door at L3 Cafe- Total No. of Doors = 1</b>																							
A52250	2nd Shopdrawing Submission - Review & Approval	17	11-Nov-17	18-Nov-17	04-Jul-18	20-Jul-18	100%																
<b>Facade Doors Package #4 - Swing Door mounted in GW with T Mullion - Total No. of Doors = 29</b>																							
A52290	2nd Shopdrawing Submission - Review & Approval	17	11-Nov-17	18-Nov-17	04-Jul-18	20-Jul-18	100%																
<b>Facade Doors Package #5 - Large double door at B1 Transformer Room - Total No. of Doors = 1</b>																							
A52340	2nd Shopdrawing Submission - Review & Approval	17	11-Nov-17	18-Nov-17	04-Jul-18	20-Jul-18	100%																
<b>Facade Doors Package #6 - B1 Exit Door - Total No. of Doors = 7 (7 x Manual)</b>																							
A52380	2nd Shopdrawing Submission - Review & Approval	17	11-Nov-17	18-Nov-17	04-Jul-18	20-Jul-18	100%																
<b>Facade Doors Package #7 - Garden Gallery Door - Total No. of Doors = 2 (2 x Manual)</b>																							
A52430	2nd Shopdrawing Submission - Review & Approval	17	11-Nov-17	18-Nov-17	04-Jul-18	20-Jul-18	100%																
<b>Facade Doors Package #8 - Doors located in Metal Cladding - Total No. of Doors = 20 (20 x Manual)</b>																							
A52470	2nd Shopdrawing Submission - Review & Approval	17	11-Nov-17	18-Nov-17	04-Jul-18	20-Jul-18	100%																
<b>Facade Doors Package #9 - GF Lobby Access Door in Ceramic Tube - Total No. of Doors = 8</b>																							
A52520	2nd Shopdrawing Submission - Review & Approval	17	11-Nov-17	18-Nov-17	04-Jul-18	20-Jul-18	100%																
<b>Facade Doors Package #10 - B1 Carriageway Access Panel &amp; Doors - Total No. of Doors = 24</b>																							
A52560	2nd Shopdrawing Submission - Review & Approval	17	21-Nov-17	28-Nov-17	04-Jul-18	20-Jul-18	100%																
<b>Facade Doors Package #12 - B1 Smoke Vent Panel - Total No. of Doors = 1</b>																							
A52610	2nd Shopdrawing Submission - Review & Approval	17	07-Dec-17	14-Dec-17	04-Jul-18	20-Jul-18	100%																
<b>PERFORMANCE TEST - SHOPDRAWING SUBMISSION, FABRICATION, INSTALLATION &amp; TEST</b>																							
<b>PMU SHOPDRAWING SUBMISSION &amp; TEST - Podium Facade Precast Panel</b>																							
A54680	Perf MU - Testing & Report Submission of Podium Facade PC+CW	14	31-Oct-17	06-Nov-17	02-Jul-18	17-Jul-18	100%																
<b>PMU SHOPDRAWING SUBMISSION &amp; TEST - Kinked Glass with T Mullion</b>																							
A54730	Perf MU - Testing & Report Submission of GW with T Mullion + Reflective Glass	14	29-Nov-17	05-Dec-17	06-Jun-18 A	10-Jul-18	100%																
<b>PMU SHOPDRAWING SUBMISSION &amp; TEST - Glass Wall with Ceramic Mullions at GF</b>																							
A54750	Perf MU - GW with Ceramic Mullion G/F Installation	22	26-Nov-17	05-Dec-17	15-Jul-18	06-Aug-18	100%																
A54760	Perf MU - Commence Testing of GW with Ceramic Mullion G/F	0	05-Dec-17		06-Aug-18		100%																
A54770	Perf MU - Testing & Report Submission of GW with Ceramic Mullion G/F	12	05-Dec-17	10-Dec-17	06-Aug-18	18-Aug-18	100%																
<b>PMU SHOPDRAWING SUBMISSION &amp; TEST - Vertical Glass Wall at Skylight Gallery</b>																							
A54850	Perf MU - Testing & Report Submission of Vertical Glass Wall Skylight Gallery	10	25-Nov-17	29-Nov-17	06-Jun-18 A	06-Jul-18	100%																
<b>PMU SHOPDRAWING SUBMISSION &amp; TEST - Plaza Skylight 3/F Terrace</b>																							
A54800	Perf MU - Commence Testing of Plaza Skylight 3/F Terrace	0	09-Nov-17		29-Jun-18		100%																
A54810	Perf MU - Testing & Report Submission of Plaza Skylight 3/F Terrace	10	09-Nov-17	13-Nov-17	29-Jun-18	08-Jul-18	100%																
A54790	Perf MU - Plaza Skylight 3/F Terrace Installation	24	30-Oct-17	09-Nov-17	20-Jun-18 A	20-Jun-18 A	100%																
<b>PRODUCTION MOCK UP &amp; INSPECTION</b>																							
<b>Prod MU - Kinked Glass with T Mullion</b>																							
A55400	GW with T Mullion (Kinked & Straight) Prod MU	48	05-Dec-17	25-Dec-17	29-Jun-18	15-Aug-18	100%																
A55410	Inspection (Prod MU) - GW with T Mullion (Kinked & Straight)	0	25-Dec-17		18-Aug-18		100%																
<b>Prod MU - Glass Wall with Ceramic Mullions at GF</b>																							
A55420	GW with Ceramic Mullion Prod MU	48	10-Dec-17	30-Dec-17	25-Sep-18	12-Nov-18	100%																
<b>Prod MU - Vertical Glass Wall at Skylight Gallery</b>																							
A55440	Vertical GW with Skylight Gallery Prod MU	48	29-Nov-17	19-Dec-17	04-Jul-18	21-Aug-18	100%																
A55450	Inspection (Prod MU) - Vertical GW with Skylight Gallery	0	19-Dec-17		29-Aug-18		100%																
<b>Prod MU - Plaza Skylight 3/F Terrace</b>																							
A55460	Plaza Skylight Prod MU	48	13-Nov-17	03-Dec-17	12-Jul-18	29-Aug-18	100%																
A55470	Inspection (Prod MU) - Plaza Skylight	0	03-Dec-17		29-Aug-18		100%																
<b>FABRICATION &amp; DELIVERY OF M+ TOWER &amp; PODIUM FACADE SYSTEM</b>																							
<b>01A Tower Facade PC+CW (Bulk)</b>																							

■ Remaining Level of Effort  
■ Actual Level of Effort  
◆ Milestone  
◆ Critical Milestone  
■ Actual Work  
■ Remaining Work  
◆ Critical Remaining Work  
◆ Actual Milestone  
— Project Baseline  
— Project LoE Baseline  
◆ Baseline Milestone

**West Kowloon Cultural District Authority**  
**M+ Contractor's Main Works Programme CMWP -**  
**(Rev. 0 - Draft 8)**



Date	Revision	Che...	Approved
28-F...	3MRP-Mth2...	Rob...	Chris Chau / Ricky Lau
31-M...	3MRP-Mth3...	Rob...	Chris Chau / Ricky Lau
30-A...	3MRP-Mth3...	Rob...	Chris Chau / Ricky Lau
31-M...	3MRP-Mth3...	Rob...	Chris Chau / Ricky Lau
30-J...	3MRP-Mth3...	Rob...	Chris Chau / Ricky Lau



# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June				July				August				September				
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16
<b>Terracotta Production</b>																								
<b>Tower Tiles TE501 Production</b>																								
A64330	TE501-L02-08 (13F & 14F)	50	28-Nov-17	19-Dec-17	06-Jun-18 A	18-Aug-18	100%																	
A64340	TE501-L02-09 (15F & 16F)	50	19-Dec-17	09-Jan-18	18-Aug-18	07-Oct-18	100%																	
<b>Tower Tiles TE502 Production</b>																								
A64440	TE502-L02-09 (15F & 16F)	50	17-Dec-17	07-Jan-18	06-Jun-18 A	18-Aug-18	100%																	
A64360	TE502-L02-01 (West)	14	07-Jan-18	13-Jan-18	18-Aug-18	01-Sep-18	100%																	
A64370	TE502-L02-02 (East)	14	13-Jan-18	19-Jan-18	01-Sep-18	16-Sep-18	100%																	
A64450	TE502-L02-10 (Roof)	14	19-Jan-18	25-Jan-18	16-Sep-18	30-Sep-18	100%																	
<b>Tower Tiles TE505 Production</b>																								
A64560	TE505-L02-01 (West)	14	01-Dec-17	07-Dec-17	13-Jul-18	27-Jul-18	100%																	
A64570	TE505-L02-02 (East)	14	07-Dec-17	13-Dec-17	27-Jul-18	11-Aug-18	100%																	
<b>02 Podium Facade PC + CW (Bulk)</b>																								
A54480	1st Delivery to Site - Precast Panel for Podium	0	27-Dec-17		25-Jul-18		100%																	
<b>Precast Concrete Facade</b>																								
A10140	Inspection, Packing & Delivery to Site - Podium Facade	93	09-Apr-18	07-Aug-18	29-Jun-18	29-Sep-18	66.75%																	
A10150	Precast Panel 1st Delivery to Site - Podium	0	27-Dec-17		25-Jul-18		100%																	
<b>03 GW with T Mullion (Kinked &amp; Straight B1F to GF) (Bulk)</b>																								
A54490	Production & Fabrication - GW with T Mullion (Kinked & Straight B1F to GF)	151	12-Nov-17	14-Jan-18	18-Aug-18	16-Jan-19	100%																	
<b>Glass Production &amp; Fabrication</b>																								
A10190	Coated Glass Production	84	13-Nov-17	24-Feb-18	18-Aug-18	28-Nov-18	100%																	
A10200	Fabrication of Insulated Glass Panel	67	26-Feb-18	19-May-18	25-Aug-18	15-Nov-18	100%																	
A10300	Delivery of Glass Panel to Site	46	28-Mar-18	28-May-18	25-Aug-18	22-Oct-18	100%																	
<b>Alum Section Production &amp; Fabrication</b>																								
A10240	Fabrication & Assemble of Curtain Wall Unit	35	04-Apr-18	17-May-18	09-Jul-18	18-Aug-18	100%																	
<b>T Painted GMS Mullion, Transom &amp; Brackets</b>																								
A10260	Painting	88	13-Feb-18	06-Jun-18	29-Jun-18	12-Oct-18	100%																	
A10270	Packing & Delivery	81	13-Mar-18	23-Jun-18	25-Jul-18	31-Oct-18	100%																	
A10280	1st Delivery T-Mullion B1	0	20-Mar-18		31-Jul-18		100%																	
<b>04A GW with PC Mullion at 2F Courtyard (Bulk)</b>																								
A54530	1st Delivery to Site - GW with PC Mullion at 2F Courtyard	0	30-Jan-18		29-Jun-18		100%																	
<b>Glass Production &amp; Fabrication</b>																								
A10320	Fabrication of Insulated Glass Panel	19	19-Mar-18	11-Apr-18	25-Aug-18	13-Sep-18	100%																	
A10330	Delivery of Glass Panel to Site	2	12-Apr-18	13-Apr-18	13-Sep-18	15-Sep-18	100%																	
<b>04B GW with Ceramic Mullion (GF &amp; 1F) (Bulk)</b>																								
<b>Glass Production &amp; Fabrication</b>																								
A10470	Fabrication of Insulated Glass Panel	110	11-Jan-18	29-May-18	18-Sep-18	31-Jan-19	100%																	
<b>Terracotta Production</b>																								
A10570	Application of PVF2 Coating	67	09-Feb-18	08-May-18	29-Jun-18	15-Sep-18	100%																	
<b>Precast Concrete Facade Die Making</b>																								
A10600	Curing of 1st Lot	5	06-Mar-18	12-Mar-18	21-Jul-18	27-Jul-18	100%																	
<b>Precast Concrete Facade</b>																								
A10530	Delivery of Precast Concrete to Site	112	11-Jun-18	25-Oct-18	29-Jun-18	10-Nov-18	12.8%																	
<b>05 Ceramic Concrete Tubes &amp; Perforated Cladding (Bulk)</b>																								
A54610	1st Delivery to Site - Ceramic Concrete Tubes & Perforated Cladding	0	26-Feb-18		11-Sep-18		100%																	
<b>Alum Frame Production &amp; Fabrication</b>																								
A10660	Application of PVF2 Coating	5	19-Mar-18	24-Mar-18	01-Aug-18	06-Aug-18	100%																	
A10670	Fabrication of Aluminium Frame to Site	46	24-Mar-18	24-May-18	07-Aug-18	29-Sep-18	100%																	
<b>Terracotta Production</b>																								
A10690	Terracotta Production (Bulk)	67	13-Jan-18	09-Apr-18	14-Jun-18 A	15-Sep-18	100%																	
<b>Precast Concrete Facade Die Making</b>																								
A10720	Concreting of Precast Concrete	88	05-Jan-18	25-Apr-18	24-Jul-18	07-Nov-18	100%																	
A10730	Curing of 1st Lot	6	11-Jan-18	18-Jan-18	24-Jul-18	31-Jul-18	100%																	
A10740	Assemble of Brackets to Ceramic Concrete Tubes	97	02-Feb-18	06-Jun-18	22-Aug-18	17-Dec-18	100%																	
A10750	1st Delivery to Site - Ceramic Concrete Tubes	0	26-Feb-18		11-Sep-18*		100%																	
<b>06A Plaza Skylight 3F (Bulk)</b>																								
<b>Alum Frame Production &amp; Fabrication</b>																								
A18780	Aluminium Extrusion Production	32	02-Feb-18	14-Mar-18	01-Aug-18	07-Sep-18	100%																	
A18790	Application of PVF2 Coating	9	15-Mar-18	24-Mar-18	07-Sep-18	18-Sep-18	100%																	
A18800	Fabrication of Frame Members	32	26-Mar-18	07-May-18	18-Sep-18	29-Oct-18	100%																	
<b>06B STrip CW Skylight Gallery 3F (Bulk)</b>																								
<b>Glass Production &amp; Fabrication</b>																								
A19160	Fabrication of Insulated Glass Panel	25	07-Mar-18	09-Apr-18	14-Sep-18	16-Oct-18	100%																	
<b>Alum Frame Production &amp; Fabrication</b>																								
A18840	Aluminium Extrusion Production	22	07-Feb-18	08-Mar-18	31-Jul-18	24-Aug-18	100%																	
A18850	Application of PVF2 Coating	11	08-Mar-18	21-Mar-18	25-Aug-18	06-Sep-18	100%																	
A18860	Fabrication of Frame Members	36	21-Mar-18	08-May-18	07-Sep-18	22-Oct-18	100%																	
<b>07 L3 Storefront (Bulk)</b>																								

# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June							July				August				September			
								33		34		35		36		37		38		39		40	41	42		
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23	
<b>08 Garden Gallery Ceramic Cladding 3F (Bulk)</b>																										
<b>Brackets Production &amp; Fabrication (SS)</b>																										
A18940	Delivery of SS Bracket to Site	6	28-Nov-17	04-Dec-17	09-Aug-18	15-Aug-18	100%																			
<b>Terracotta Production &amp; Fabrication</b>																										
A18960	Delivery to assemble factory	4	07-Dec-17	11-Dec-17	16-Aug-18	21-Aug-18	100%																			
A18970	Assemble of bracket to Ceramic Cladding	32	12-Dec-17	20-Jan-18	21-Aug-18	28-Sep-18	100%																			
<b>09 North Perimeter Louvre Cladding (Bulk)</b>																										
<b>Cladding &amp; Louvre Production &amp; Fabrication</b>																										
A19000	Aluminium Extrusion Production	40	23-Dec-17	10-Feb-18	30-Jul-18	14-Sep-18	100%																			
A19010	PVF2 Paint Ordering	11	12-Feb-18	27-Feb-18	14-Sep-18	28-Sep-18	100%																			
A19020	Application of PVF2 Coating	11	28-Feb-18	12-Mar-18	28-Sep-18	12-Oct-18	100%																			
<b>10 Doors (Bulk)</b>																										
<b>Doors Production &amp; Fabrication</b>																										
A19230	Production & Fabrication - Doors	146	14-Dec-17	15-Jun-18	31-Aug-18	25-Jan-19	100%																			
<b>Doors Production &amp; Fabrication</b>																										
A19120	Delivery Doors to Site (Bulk)	12	16-Jun-18	30-Jun-18	03-Sep-18	17-Sep-18	83.33%																			
A19070	Aluminium Extrusion Production	80	17-Jan-18	27-Apr-18	08-Sep-18	14-Dec-18	100%																			
<b>M+ Basement and Podium</b>																										
<b>Tower Crane Provision</b>																										
<b>Provision of TC2 (Truss 1 &amp; 2, Podium, Tower Construction)</b>																										
<b>TC2 Removal</b>																										
A58250	Dismantle TC2	19	20-Aug-18	11-Sep-18	04-Sep-18	26-Sep-18	0%																			
A58251	Complete Dismantle of TC2	0		11-Sep-18		26-Sep-18	0%																			
A58290	Backfill 3/F slab opening	8	11-Sep-18	21-Sep-18	27-Sep-18	04-Oct-18	0%																			
A58261	Install Temporary Watertight measure@ Roof and G/F	11	11-Sep-18	26-Sep-18	27-Sep-18	08-Oct-18	0%																			
A58271	Construct Remaining Wall (B2 to GF @ B2 Industrial Found Space)	0	11-Sep-18		27-Sep-18		0%																			
<b>Provision of TC3 (Truss 3 &amp; 4, AEL South Podium Construction)</b>																										
<b>TC3 Removal</b>																										
A59940	Dismantle TC3 (after Podium Zone G structure complete)	16	28-May-18	14-Jun-18	11-Jul-18	12-Jul-18	100%																			
<b>Critical Key Dates</b>																										
<b>Critical Key Dates - M+ Podium External Envelope Works</b>																										
A13250	Complete Zone A - 1M/F Facade Panel	0		28-Feb-18		20-Aug-18	100%																			
A13270	Complete Zone A - 2/F Facade Panel	0		07-Mar-18		27-Aug-18	100%																			
A13290	Complete Zone M - 2/F Facade Panel	0		17-May-18		28-Aug-18	100%																			
<b>Critical Key Dates - Podium Structure RC Works</b>																										
<b>B1/F</b>																										
A12090	Complete Zone D1 - B1 Slab, Wall & Columns	0		20-Jan-18		03-Jul-18	100%																			
A11810	Complete Zone H - B1/F Slab, Wall & Columns	0		03-Nov-17		06-Jul-18	100%																			
A12700	Complete Zone J - B1/F Slab, Wall & Columns	0		23-May-18		17-Jul-18	100%																			
A12270	Complete Zone Q - B1/F Slab, Wall & Columns	0		22-Jan-18		18-Jul-18	100%																			
A12220	Complete Zone B - B1/F Slab, Wall & Columns	0		03-Jan-18		25-Jul-18	100%																			
A12330	Complete Zone K & L - B1/F Slab, Wall & Columns	0		27-Apr-18		02-Aug-18	100%																			
A10975	Complete Zone A4-A5 - B1/F Slab, Wall & Columns	0		24-Oct-17		07-Jun-18	100%																			
<b>G/F</b>																										
A11950	Complete Zone M - G/F Slab, Wall & Columns (GL7-8/D-E)	0		10-Nov-17		29-Jun-18	100%																			
A11110	Complete Zone A - G/F Slab, Wall & Columns	0		27-Oct-17		12-Jul-18	100%																			
A11955	Complete Zone N - G/F Slab, Wall & Columns (GL7-8/L-M)	0		27-Oct-17		12-Jul-18	100%																			
A12100	Complete Zone D1 - G/F Slab, Wall & Columns incld. De-Prop	0		22-Feb-18		20-Jul-18	100%																			
A12630	Complete Zone G - G/F Slab & Wall incld De-Prop	0		28-May-18		02-Aug-18	100%																			
A12010	Complete Zone C - G/F Slab, Wall & Columns	0		24-Feb-18		06-Aug-18	100%																			
A12290	Complete Zone Q - G/F Slab, Wall & Column	0		09-Feb-18		06-Aug-18	100%																			
A12230	Complete Zone B - G/F Slab, Wall & Column	0		22-Jan-18		13-Aug-18	100%																			
A12710	Complete Zone J - G/F Slab, Wall & Column incld De-Prop	0		28-Jun-18		17-Aug-18	100%																			
A12420	Complete Zone P - G/F Slab & Column incld De-Prop	0		01-Jun-18		10-Sep-18	100%																			
A12180	Complete Zone D2 - G/F Slab, Wall & Columns incld De-Prop	0		09-May-18		12-Sep-18	100%																			
A12350	Complete Zone K & L - G/F Slab, Wall & Column incld De-Prop	0		10-Jul-18		22-Sep-18	0%																			
A12400	Complete Zone K & L - Auditorium Beam & Slab incld De-Prop	0		13-Jul-18		27-Sep-18	0%																			
<b>1M/F</b>																										
A12730	Complete Zone J - 1M/F Slab, Wall & Column incld De-Prop	0		12-Feb-18		03-Jul-18	100%																			
A12650	Complete Zone G - 1M/F Slab incld De-Prop	0		30-May-18		06-Aug-18	100%																			
A12240	Complete Zone B - 1M/F Slab, Wall & Column	0		09-Feb-18		31-Aug-18	100%																			
A12300	Complete Zone Q - 1M/F Slab, Wall & Column	0		03-Mar-18		12-Sep-18	100%																			
<b>1/F</b>																										
A12640	Complete Zone G - 1/F Slab, Wall & Column incld De-Prop	0		28-May-18		02-Aug-18	100%																			
A12720	Complete Zone J - 1/F Slab, Wall & Column incld De-Prop	0		25-Jun-18		14-Aug-18	100%																			
<b>2/F</b>																										
A12740	Complete Zone J - 2/F Slab, Wall & Column	0		23-May-18		17-Jul-18	100%																			
A12450	Complete Zone P - 2/F Beam & Slab incld De-Prop	0		07-Mar-18		26-Jul-18	100%																			







Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June							July							August							September						
								33							34							35							36						
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23										
<b>Podium Facade Panel (2/F External)</b>																																			
A22465	Bracket Installation & Embed Remedial 2/F @ GL 7-8/M	4	23-Nov-17	28-Nov-17	05-Jul-18	09-Jul-18	100%																												
<b>Zone C &amp; D</b>																																			
<b>Podium Facade Panel (1M/F External)</b>																																			
A47070	Handover Zone C & D - 1M/F Working Area	0		22-Feb-18		09-Jul-18	100%																												
A47075	Bracket Installation & Embed Remedial @ GL 1-7/M	8	23-Feb-18	03-Mar-18	10-Jul-18	18-Jul-18	100%																												
A47805	Bracket Installation & Embed Remedial @ GL 1/H-M	8	14-Mar-18	22-Mar-18	13-Jul-18	21-Jul-18	100%																												
<b>Podium Facade Panel (2/F External)</b>																																			
A47220	Handover Zone C & D - 2/F Working Area	0		22-Feb-18		29-Jun-18	100%																												
A47225	Bracket Installation & Embed Remedial @ GL 1-7/M	8	05-Mar-18	13-Mar-18	10-Jul-18	18-Jul-18	100%																												
A47235	Bracket Installation & Embed Remedial @ GL 1/H-M	8	23-Mar-18	04-Apr-18	13-Jul-18	21-Jul-18	100%																												
<b>M+ Podium Lift &amp; Escalator Installation</b>																																			
<b>Art Lift (LT11) @ Zone M</b>																																			
LT10475	Builders' Work for LT11 Lift Shaft & M/C Room	11	18-May-18	31-May-18	28-Jul-18	10-Aug-18	100%																												
LT10470	Available of lift Shaft LT11 (w/ Tower A Weathertight)	0	18-May-18		28-Jul-18		100%																												
LT10490	Lift M/C Room Installation @ B2/F (LT11)	23	01-Jun-18	28-Jun-18	10-Aug-18	06-Sep-18	100%																												
LT10480	Commence LT11 Lift M/C Room Installation	0	31-May-18		10-Aug-18		100%																												
LT10500	Lift Car Installation (LT11)	80	29-Jun-18	03-Oct-18	06-Sep-18	12-Dec-18	0%																												
<b>Art Lift (LT13) @ Zone A1</b>																																			
LT10560	Lift Car Installation (LT13)	80	05-Mar-18	13-Jun-18	26-Jun-18 A	03-Oct-18	100%																												
LT10535	Builders' Work for LT13 Lift Shaft & M/C Room	11	20-Jan-18	02-Feb-18	13-Jun-18 A	06-Jul-18	100%																												
LT10530	Available of lift Shaft LT13 (w/ Zone A1 Temporary watertight)	0	20-Jan-18		04-Jul-18		100%																												
LT10540	Commence LT13 Lift M/C Room Installation	0	02-Feb-18		06-Jul-18		100%																												
LT10550	Lift M/C Room Installation @ B2/F (LT13)	23	02-Feb-18	05-Mar-18	06-Jul-18	02-Aug-18	100%																												
<b>Passenger Lift, FS &amp; Disable Lift (LT12) @ Zone A1</b>																																			
LT10590	Available of lift Shaft LT12 (w/ Zone A1 Temporary watertight)	0	21-Dec-17		04-Jul-18		100%																												
LT10600	Builders' Work for LT12 Lift Shaft	23	22-Dec-17	20-Jan-18	04-Jul-18	01-Aug-18	100%																												
LT10610	Lift Car Installation (LT12)	54	22-Jan-18	28-Mar-18	02-Aug-18	05-Oct-18	100%																												
<b>Passenger Lift, FS &amp; Disable Lift (LT14) @ Zone A4</b>																																			
LT10640	Available of lift Shaft LT14 (w/ Zone A4 Temporary watertight)	0	21-Dec-17		04-Jul-18		100%																												
LT10650	Builders' Work for LT14 Lift Shaft	23	22-Dec-17	20-Jan-18	04-Jul-18	01-Aug-18	100%																												
LT10660	Lift Car Installation (LT14)	54	22-Jan-18	28-Mar-18	02-Aug-18	05-Oct-18	100%																												
<b>Passenger Lift, Diabie Lift (LT15, LT16 &amp; LT17) @ Zone A4</b>																																			
LT10700	Builders' Work for LT15, LT16 & LT17 Lift Shafts	23	20-Jan-18	20-Feb-18	30-May-18 A	17-Jul-18	100%																												
LT10690	Available of lift Shaft LT15 (w/ Zone A4 Temporary watertight)	0	20-Jan-18		13-Jun-18 A		100%																												
<b>Passenger Lift, FS Lift (LT21 &amp; LT22) @ Zone E</b>																																			
LT10830	Builders' Work for LT21 & LT22 Lift Shaft	23	15-Nov-17	11-Dec-17	16-Jul-18	10-Aug-18	100%																												
LT10840	Lifts Car Installation (LT21 & LT22)	54	12-Dec-17	15-Feb-18	11-Aug-18	15-Oct-18	100%																												
<b>Escalators (ES01 &amp; ES02) @ Zone E</b>																																			
LT11130	Available of Escalator Pit ES01 & ES02 at Zone E	0				15-Aug-18	0%																												
LT11140	Escalators ES01 & ES02 Installation	0			15-Aug-18	19-Oct-18	0%																												
<b>Escalators (ES03 &amp; ES04) @ Zone A B1F to GF</b>																																			
LT11170	Available of Escalator Pit ES03 & ES04 at Zone A	0			15-Aug-18		0%																												
LT11180	Escalators ES03 & ES04 Installation	0			15-Aug-18	20-Oct-18	0%																												
<b>Escalators (ES13 &amp; ES14) @ Zone G 1F to 3F</b>																																			
LT11290	Available of Escalator Pit ES13 & ES14 at Zone E	0			06-Aug-18		0%																												
LT11300	Escalators ES13 & ES14 Installation	0			06-Aug-18	26-Oct-18	0%																												
<b>M+ Basement &amp; Podium ABWF &amp; Building Services</b>																																			
<b>B2/F</b>																																			
<b>1. CSF/RDE Zone</b>																																			
<b>General Areas /BOH/ Corridor</b>																																			
<b>Corridor/Lift Lobby</b>																																			
BS-B2-1C	MEP- 2nd Fix (Cabling)/Install AC equipment & connection	50	01-Feb-18	09-Apr-18	17-Aug-18	16-Oct-18	100%																												
<b>BOH Office/Storages Rooms (GL C' to J')</b>																																			
BS-B2-1C	MEP- 2nd Fix- Cabling/AC Equipment Installation/connection	50	06-Mar-18	09-May-18	17-Aug-18	16-Oct-18	100%																												
<b>Loading &amp; Unloading Area Including Loading Bay</b>																																			
BS-B2-10'	MEP 2nd Fix Installation-Cabling	54	06-Mar-18	14-May-18	20-Jun-18 A	30-Aug-18	100%																												
AW-B2-1'	HC-Construction Logistic/Temporary Site Storage Period	187	15-Jan-18	03-Sep-18	24-Jul-18	09-Mar-19	70.41%																												
<b>Cappark EAF Room (B2-1-005)</b>																																			
BS-B2-10'	MEP 1st / 2nd Fix	27	16-Dec-17	20-Jan-18	18-Jul-18*	18-Aug-18	100%																												
BS-B2-11'	MEP Fan / LMCP Installation	54	20-Jan-18	28-Mar-18	18-Aug-18	24-Oct-18	100%																												
BS-B2-11'	MEP - AC equipment on site	0	20-Jan-18		18-Aug-18		100%																												
<b>PAU Room (B2-1-807M &amp; B2-1-808M)</b>																																			
AW-B2-1'	ABWF-Wet Trade (Plastering/Floor Screeding/1st coat painting/Sealer) -Ceiling/Wall/Floor	19	13-Nov-17	04-Dec-17	29-Jun-18	21-Jul-18	100%																												
BS-B2-10'	MEP 1st / 2nd	27	05-Dec-17	08-Jan-18	23-Jul-18*	22-Aug-18	100%																												
BS-B2-11'	MEP - PAU equipment on site	0	09-Jan-18		23-Aug-18*		100%																												
BS-B2-11'	MEP PAU / LMCP Installation	54	09-Jan-18	15-Mar-18	23-Aug-18	27-Oct-18	100%																												
<b>Staircase Press (B2-1-801M) at GL D'-E' 4</b>																																			



# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June												July				August				September			
								33												34				35				36			
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23						
<b>Security Control Room &amp; Security Equipment Rack Room (B2-1-048 &amp; 049)</b>																															
AW-B2-1C	ABWF-Ceiling Frame w/service panels	7	05-Dec-17	12-Dec-17	16-Jul-18	24-Jul-18	100%																								
BS-B2-10	MEP- H/L Dropper	3	13-Dec-17	15-Dec-17	24-Jul-18	30-Jul-18	100%																								
AW-B2-1C	ABWF-Raised Floor Setting out/Padestal/Grid/Door	3	16-Dec-17	19-Dec-17	30-Jul-18	03-Aug-18	100%																								
BS-B2-10	MEP-Floor Mounted Installation	7	20-Dec-17	29-Dec-17	03-Aug-18	11-Aug-18	100%																								
AW-B2-1C	ABWF-Raised Floor Panel Close-up	3	30-Dec-17	03-Jan-18	11-Aug-18	15-Aug-18	100%																								
AW-B2-1C	ABWF-Wall Final Paint/Carpet	3	04-Jan-18	06-Jan-18	15-Aug-18	18-Aug-18	100%																								
BS-B2-10	MEP-Final Fix	2	08-Jan-18	09-Jan-18	18-Aug-18	21-Aug-18	100%																								
AS-B2-10	ABWF/MEP Installation Completed	0	10-Jan-18	10-Jan-18	21-Aug-18	21-Aug-18	100%																								
BS-B2-11	MEP-Security Equipment Rack/Equipment/System Installation	120	22-Mar-18	18-Aug-18	13-Sep-18*	11-Feb-19	64.58%	♦ ABWF/MEP Installation Completed,																							
<b>CSF FS Pump Room (B2-1-500F)</b>																															
BS-B2-10	MEP-Pumps/LMCP Installation/Connection	25	05-Feb-18	08-Mar-18	22-Aug-18	20-Sep-18	100%	♦ MEP-FS Water pump equipment on site, 22-Aug-18																							
BS-B2-11	MEP-FS Water pump equipment on site	0	04-Feb-18		22-Aug-18		100%																								
AW-B2-1C	ABWF-Door Frame/Door/Final Coat(Wall & Floor)	13	09-Mar-18	23-Mar-18	20-Sep-18	08-Oct-18	100%																								
<b>M+ Water Pump Room (B2-1-600M)</b>																															
BS-B2-11	MEP-Water pump equipment on site	0	09-Feb-18		30-Aug-18		100%	♦ MEP-Water pump equipment on site, 30-Aug-																							
BS-B2-11	MEP-Pumps/LMCC Installation and Connection	27	09-Feb-18	15-Mar-18	30-Aug-18	03-Oct-18	100%																								
<b>M+ FS Pump Room (B2-1-506M)</b>																															
BS-B2-11	MEP-FS Water pump equipment on site	0	09-Feb-18		01-Sep-18		100%	♦ MEP-FS Water pump equipment on site, 01-																							
BS-B2-11	MEP-FS Pumps / LMCC Installation and Connection	27	09-Feb-18	15-Mar-18	01-Sep-18	04-Oct-18	100%																								
<b>Grease Trap Rm for Podium (B2-1-604M)</b>																															
BS-B2-11	MEP-Grease trap room equipment on site	0	09-Feb-18		01-Sep-18		100%	♦ MEP-Grease trap room equipment on site, 0																							
BS-B2-11	MEP Greasp Trap Installation	54	09-Feb-18	20-Apr-18	01-Sep-18	06-Nov-18	100%																								
<b>M+ IR and Rainwater Water Tank at GL A, 9-10</b>																															
BS-B2-11	MEP-Pipework Assessors and Final connection	13	20-Dec-17	06-Jan-18	26-Jun-18 A	18-Jul-18	100%																								
AW-B2-1C	ABWF-MW-Cat Ladder/Hatch Cover	13	05-Dec-17	19-Dec-17	12-Jul-18	31-Jul-18	100%																								
AS-B2-11	Ready for System T&C	0		07-Jan-18		18-Jul-18	100%	♦ Ready for System T&C,																							
<b>M+, CSF FS Water Tanks along GL A</b>																															
AW-B2-1C	ABWF-MW-Cat Ladder/Hatch Cover	13	30-Jan-18	14-Feb-18	10-Jul-18	25-Jul-18	100%																								
AS-B2-11	Ready for System T&C	0		12-Mar-18		25-Jul-18	100%	♦ Ready for System T&C,																							
<b>Industrial Space (B2-1-051)</b>																															
AS-B2-10	Access for ABWF/MEP Installation (GF Slab@ zone B cast/depropped)	0	16-Jan-18		08-Aug-18		100%	♦ Access for ABWF/MEP Installation (GF Slab@ zone B cast/depropped), 08-Aug-18																							
AW-B2-1C	GW-Erect Common Scaffold (2m below Soffit)	13	16-Jan-18	30-Jan-18	08-Aug-18	22-Aug-18	100%																								
AW-B2-1C	BW-Fairface Concrete Defect Rectification	7	31-Jan-18	07-Feb-18	23-Aug-18	30-Aug-18	100%																								
AW-B2-1C	ABWF-Wet Trade-Patching up tie-bolt/Ceiling/Wall(2m below soffit) Sealer	13	08-Feb-18	26-Feb-18	31-Aug-18	14-Sep-18	100%																								
BS-B2-11	MEP H/L 1st/2nd/Final Fix Installation (Including FS Device)-under Soffit	19	27-Feb-18	20-Mar-18	15-Sep-18	09-Oct-18	100%																								
<b>2. Zone D1 GL 1-5/J-M</b>																															
<b>AHU Room (B2-1-809R)</b>																															
AS-B2-10	Access for ABWF/MEP Installation	0	02-Feb-18		14-Jul-18		100%	♦ Access for ABWF/MEP Installation, 14-Jul-18																							
AW-B2-11	ABWF-Plinth/Sealer	7	02-Feb-18	10-Feb-18	14-Jul-18	23-Jul-18	100%																								
BS-B2-11	MEP- 1st / 2nd fix - Pipe / Duct / Containment Installation	13	10-Feb-18	01-Mar-18	23-Jul-18	07-Aug-18	100%																								
AW-B2-11	ABWF-Door/Ironmoaries	5	01-Mar-18	07-Mar-18	07-Aug-18	13-Aug-18	100%																								
BS-B2-11	MEP - AHU equipment installation / Connection	25	01-Mar-18	03-Apr-18	07-Aug-18	05-Sep-18	100%																								
BS-B2-11	MEP-AHU equipment on site	0	01-Mar-18		07-Aug-18		100%	♦ MEP-AHU equipment on site, 07-Aug-18																							
<b>3. Zone D</b>																															
<b>RDE FS Tank &amp; Pump Room (B2-3-500R)</b>																															
AW-B2-11	BW-RC Plinth/Waterproofing/Water Test	13	02-Feb-18	21-Feb-18	14-Jul-18	30-Jul-18	100%																								
AS-B2-10	Access for ABWF/MEP Installation	0	02-Feb-18		14-Jul-18		100%	♦ Access for ABWF/MEP Installation, 14-Jul-18																							
AW-B2-11	ABWF/MEP Installation in RDE Water Tanks (Detail refer to M+,CSF Tanks Section)	27	02-Feb-18	09-Mar-18	14-Jul-18	15-Aug-18	100%																								
AW-B2-11	ABWF-Wet Trade-Ceiling/Wall/Floor Paint	7	21-Feb-18	01-Mar-18	30-Jul-18	07-Aug-18	100%																								
BS-B2-11	MEP 1st/2nd fix / FS Pumps Set / Pipework / LMCC	27	01-Mar-18	06-Apr-18	07-Aug-18*	07-Sep-18	100%																								
BS-B2-11	MEP-FS Pumps/LMCC Installation and Connection	27	06-Apr-18	09-May-18	07-Sep-18	11-Oct-18	100%																								
BS-B2-11	MEP-FS Water pump equipment on site	0	06-Apr-18		07-Sep-18		100%	♦ MEP-FS Water pump equipment																							
<b>Crate Workshop</b>																															
AS-B2-10	Access for ABWF & MEP Installation	0	02-Feb-18		19-Jul-18		100%	♦ Access for ABWF & MEP Installation, 19-Jul-18																							
AW-B2-11	ABWF-Wet Trade;Rendering/Floor screeding/sealer	13	02-Feb-18	21-Feb-18	19-Jul-18	03-Aug-18	100%																								
AW-B2-11	ABWF- Install Security Shutter	13	21-Feb-18	08-Mar-18	03-Aug-18	18-Aug-18	100%																								
BS-B2-11	MEP-1st/2nd Fix Installation/Ceiling Mounted AHU	13	21-Feb-18	08-Mar-18	03-Aug-18	18-Aug-18	100%																								
AW-B2-11	ABWF-H/L Steel Platform	13	08-Mar-18	23-Mar-18	18-Aug-18	03-Sep-18	100%																								
BS-B2-11	MEP- 2nd Fiix-Wiring/connection/Dropper under Platform	3	23-Mar-18	27-Mar-18	03-Sep-18	06-Sep-18	100%																								
AW-B2-11	ABWF- Wall Final Paint	7	27-Mar-18	09-Apr-18	06-Sep-18	14-Sep-18	100%																								
BS-B2-11	MEP-Ceiling/Wall Final Fix	3	09-Apr-18	12-Apr-18	14-Sep-18	18-Sep-18	100%																								
AW-B2-11	ABWF- Door/Ironmongeries	7	12-Apr-18	20-Apr-18	18-Sep-18	27-Sep-18	100%																								
AS-B2-11	Ready for FS System T&C	0		20-Apr-18		27-Sep-18	100%	♦																							
<b>4. Zone H GL 9-14/H-M</b>																															
<b>DCS Chiller Plant</b>																															
BS-B2-11	MEP-2nd Fix Installation-Cabling	27	27-Jan-18	02-Mar-18	13-Jun-18 A	28-Jul-18	100%																								
BS-B2-11	MEP-Final Fix-Pipe Insulation/Detector	27	09-Apr-18	10-May-18	25-Aug-18	27-Sep-18	100%																								





# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June					July				August				September		
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09
<b>Zone D1, D2, N, L, K, H</b>																							
<b>MAF / SEF Room (B1-1-800C, 802C, 803C)</b>																							
AW-B1-1	General Builder's Works	7	07-Mar-18	15-Mar-18	02-Aug-18	10-Aug-18	100%																
AS-B1-1C	Access for ABWF / MEP Installation	0	07-Mar-18		02-Aug-18		100%																
AW-B1-1	ABWF - Ceiling / Wall / floor - 1st Coat	19	15-Mar-18	11-Apr-18	10-Aug-18	01-Sep-18	100%																
BS-B1-1C	MEP 1st / 2nd Fix	54	03-Apr-18	08-Jun-18	24-Aug-18	30-Oct-18	100%																
BS-B1-1C	MEP-SEF Equipment On Site	0	15-Feb-18		25-Aug-18*		100%																
<b>3. Zone A_M_E_N</b>																							
<b>General Area - BOH/Office/Storage/Corridor/Toilets/Lobby</b>																							
<b>Corridors/Lobbys</b>																							
AW-B1-1	ABWF-Soffit Sealer	7	18-Dec-17	28-Dec-17	29-Jun-18	07-Jul-18	100%																
AW-B1-1	ABWF-Ceiling Frame (FS Ceiling)	13	28-May-18	12-Jun-18	12-Jun-18 A	14-Jul-18	100%																
AW-B1-1	ABWF- FS Ceiling Close up	13	28-Jun-18	13-Jul-18	29-Jun-18	14-Jul-18	7.69%																
BS-B1-11	MEP-Ceiling Final Fix	13	14-Jul-18	28-Jul-18	16-Jul-18	30-Jul-18	0%																
AW-B1-1	ABWF-Wall Final Paint/Corner Protection	13	14-Jul-18	28-Jul-18	16-Jul-18	30-Jul-18	0%																
AW-B1-1	ABWF-Door/Ironmongeries	13	30-Jul-18	13-Aug-18	31-Jul-18	14-Aug-18	0%																
<b>BOH Workshop, Office and Facilities Rooms</b>																							
AW-B1-1	ABWF-Ceiling Frame/Grid (Office Ceiling Area)	13	28-May-18	12-Jun-18	26-Jul-18	10-Aug-18	100%																
BS-B1-11	MEP- FS/Lighting/A/C Dropper (Office Ceiling Area)	27	12-Jun-18	16-Jul-18	10-Aug-18	11-Sep-18	49.79%																
AW-B1-1	ABWF-Ceiling Close Up (Office Ceiling Area)	27	16-Jul-18	16-Aug-18	11-Sep-18	15-Oct-18	0%																
BS-B1-11	MEP-Ceiling/Wall Final Fx	54	16-Jul-18	17-Sep-18	11-Sep-18	16-Nov-18	0%																
<b>Toilets &amp; Toilet Lobby</b>																							
<b>Public Toilet at GL 6,D</b>																							
AW-B1-1	ABWF-Ceiling Close up/Ceiling Finish	7	23-May-18	31-May-18	03-Jul-18	11-Jul-18	100%																
AW-B1-1	ABWF-Waterproofing/Water Test	7	16-Apr-18	24-Apr-18	09-Jul-18	17-Jul-18	100%																
AW-B1-1	ABWF-Cubic Partition	7	31-May-18	08-Jun-18	11-Jul-18	19-Jul-18	100%																
AW-B1-1	ABWF-Floor screeding/Wall Plastering/Tiling/Counter Steel Frame	13	24-Apr-18	10-May-18	17-Jul-18	01-Aug-18	100%																
AW-B1-1	ABWF-Final Fix-Sanitaryware/Sink/Door	7	08-Jun-18	16-Jun-18	19-Jul-18	27-Jul-18	100%																
BS-B1-1	MEP Final Fix	7	16-Jun-18	26-Jun-18	27-Jul-18	04-Aug-18	100%																
AW-B1-1	ABWF-Ceiling Grid/Ceiling Panel with Service Openings	7	10-May-18	18-May-18	01-Aug-18	09-Aug-18	100%																
AS-B1-1	ABWF/MEP Installation Completed	0		26-Jun-18		04-Aug-18	100%																
<b>Transformer Room 1 &amp; 2 (B1-1-700 &amp; B1-1-702)</b>																							
BS-B1-11	Tx Rm 1 & 2 Power On by CLP	0	24-Mar-18			29-Jun-18	100%																
<b>LV Main Switchroom 1 &amp; 2 (B1-1-704 &amp; B1-1-703)</b>																							
AW-B1-1C	ABWF - Door frame & panels & ironmongeries installation	7	11-Jan-18	18-Jan-18	29-Jun-18	07-Jul-18	100%																
BS-B1-10	Installation Completed and Ready for Power On	0		14-Mar-18		22-Jun-18 A	100%																
<b>Main IT Room (B1-1-954)</b>																							
AW-B1-1	ABWF-Wet Trade (Up to 1st coat painting) - Ceiling / Wall / Floor	19	08-Dec-17	03-Jan-18	29-Jun-18	21-Jul-18	100%																
AW-B1-1	ABWF-Ceiling Frame w/ service panels	7	25-Jan-18	02-Feb-18	20-Jul-18	27-Jul-18	100%																
AW-B1-1	ABWF-Raised Floor Setting out/Padestal/Grid/Door	7	02-Feb-18	10-Feb-18	28-Jul-18	04-Aug-18	100%																
BS-B1-11	MEP-H/L Dropper	3	02-Feb-18	06-Feb-18	28-Jul-18	31-Jul-18	100%																
AW-B1-1	Ceiling close up	3	06-Feb-18	09-Feb-18	01-Aug-18	03-Aug-18	100%																
BS-B1-11	MEP Wall & Ceiling Final Fix	5	24-Feb-18	02-Mar-18	04-Aug-18	09-Aug-18	100%																
AW-B1-1	ABWF-Raised Floor Panel Close-up	3	14-Feb-18	21-Feb-18	06-Aug-18	08-Aug-18	100%																
AW-B1-1	ABWF/MEP Installation Completed (Ready for FS T&C)	0		02-Mar-18		10-Aug-18	100%																
BS-B1-11	ELV- Equipment Rack Installation	13	02-Mar-18	17-Mar-18	10-Aug-18	24-Aug-18	100%																
BS-B1-11	ELV- Backbone Cabling From Various Floors	107	02-Mar-18	14-Jul-18	10-Aug-18	26-Nov-18	88.58%																
<b>Central Control Centre &amp; Central Control Centre Equip. Rm &amp; Network Operation Centre (G.L. 6-12/A)</b>																							
AW-B1-1C	ABWF/MEP Installation in Central Control Equipment Rm(Detail refer to Main IT Room)	63	10-Apr-18	26-Jun-18	04-Jul-18	14-Sep-18	100%																
AW-B1-1C	ABWF/MEP Installation in Network Operation Centre (Detail refer to Main IT Room)	63	18-Apr-18	04-Jul-18	11-Jul-18	22-Sep-18	93.65%																
AS-B1-10	Ready for DC access	0		05-Jul-18		22-Sep-18	0%																
<b>Cafe kitchen (B1-1-044) GL 10-12/A-E &amp; Catering Kitchen (G.L. 10 / B)</b>																							
BS-B1-11	MEP- Install Floor Drain/Wall Concealed Pipework	7	25-Apr-18	04-May-18	19-Jul-18	27-Jul-18	100%																
AW-B1-1C	ABWF-Waterproofing & floor screeding/Rendering/Tile	25	04-May-18	04-Jun-18	27-Jul-18	25-Aug-18	100%																
BS-B1-10	KIT-Installation Kitchen Equipment	38	04-Jun-18	20-Jul-18	25-Aug-18	11-Oct-18	53.8%																
BS-B1-11	MEP-2nd fix-connection to Kitchen Equipment/Cabling	38	20-Jun-18	03-Aug-18	08-Sep-18	26-Oct-18	21.05%																
<b>5. Zone C_D1</b>																							
<b>BOH Corridor along G.L.J</b>																							
AS-B1-10	Access for ABWF/MEP Installation	0	07-Mar-18		02-Aug-18		100%																
AW-B1-1	ABWF-Sealer paint	3	07-Mar-18	10-Mar-18	02-Aug-18	06-Aug-18	100%																
BS-B1-11	MEP 1stFix-Main Chilled Water Header Installation/Connection to Risers	54	10-Mar-18	18-May-18	06-Aug-18	10-Oct-18	100%																
<b>ICT Riser Room</b>																							
AS-B1-10	Access for ABWF/MEP Installation	0	07-Mar-18		02-Aug-18		100%																
AW-B1-1	ABWF-Sealer paint	3	07-Mar-18	10-Mar-18	02-Aug-18	06-Aug-18	100%																
BS-B1-11	MEP 1st/2nd Fix	13	10-Mar-18	26-Mar-18	06-Aug-18	21-Aug-18	100%																
AW-B1-1	ABWF-Door/Ironmongeries	3	26-Mar-18	29-Mar-18	21-Aug-18	24-Aug-18	100%																
AS-B1-10	Ready for DC Access	0		29-Mar-18		24-Aug-18	100%																
<b>ELV Room</b>																							



# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June					July					August				September		
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16
<b>Zone E, P (GL 8-11)</b>																								
AS-GF-1C	Access for ABWF / MEP / Fit-out Installation- Link from Zone P Slab Cast	0	04-Apr-18		17-Jul-18		100%	◆ Access for ABWF / MEP / Fit-out Installation- Link from Zone P Slab Cast, 17-Jul-18																
AW-GF-1	RC-Defect Rectification	13	04-Apr-18	20-Apr-18	17-Jul-18	31-Jul-18	100%																	
AW-GF-1	PISA-Install Ceramic Tube/Mullion/Glass Wall	43	20-Apr-18	12-Jun-18	01-Aug-18	19-Sep-18	100%																	
AW-GF-1	ABWF- Ceiling Sealer	7	20-Apr-18	28-Apr-18	01-Aug-18	08-Aug-18	100%																	
BS-GF-1C	MEP- Erect Escalator Truss (ES01, 02)- From GF to B2	13	28-Apr-18	15-May-18	09-Aug-18	23-Aug-18	100%																	
BS-GF-1C	MEP 1st/2nd Fix (Around Columnn)/H/L 2nd Fix (Lighting Wiring) / AC equipment	25	28-Apr-18	30-May-18	09-Aug-18	06-Sep-18	100%																	
BS-GF-1C	MEP-Escalator Installation/T&C	54	15-May-18	20-Jul-18	24-Aug-18	29-Oct-18	67.28%																	
AW-GF-1	PISA-Install Ceramic Tube/Mullion/Glass Wall (GL D-H, 11 and D-E, 11-12)	27	15-Jun-18	18-Jul-18	24-Aug-18	24-Sep-18	40.74%																	
BS-GF-1C	MEP-H/L Final Fix	13	30-May-18	14-Jun-18	07-Sep-18	21-Sep-18	100%																	
AW-GF-1	ABWF-Install FS/Security Shutter	19	12-Jun-18	06-Jul-18	20-Sep-18	13-Oct-18	70.18%																	
<b>Zone L &amp; K Toilets &amp; Toilet Lobbies GL J/9-10</b>																								
AS-GF-1C	Access for ABWF and MEP Installation (Link from Zone E1/E2)	0	04-Apr-18		17-Jul-18		100%	◆ Access for ABWF and MEP Installation (Link from Zone E1/E2), 17-Jul-18																
AW-GF-1	ABWF/MEP Installation (detail sequence please "B2 Toilet")	107	04-Apr-18	13-Aug-18	17-Jul-18	21-Nov-18	64.8%																	
<b>3. Zone G</b>																								
<b>150-Seat lecture theatre/Workshop / Multi-purpose Lounge/Storage/Lobby</b>																								
AS-GF-10	Access for ABWF / MEP / Fit-out Installation	0	24-Apr-18		14-Aug-18		100%	◆ Access for ABWF / MEP / Fit-out Installation, 14-Aug-18																
AW-GF-1C	ABWF-Isolated floor on structure floor slab at the 150-seat lecture theatre	19	24-Apr-18	17-May-18	14-Aug-18	05-Sep-18	100%																	
AW-GF-11	ABWF-Patching up the tie-bolt hole	9	24-Apr-18	05-May-18	14-Aug-18	24-Aug-18	100%																	
BS-GF-10	MEP 1st / 2nd fix HL	25	17-May-18	16-Jun-18	05-Sep-18	06-Oct-18	100%																	
AW-GF-1C	ABWF-dry wall installation	25	17-May-18	16-Jun-18	05-Sep-18	06-Oct-18	100%																	
<b>Learning Centre GL 10/C-D</b>																								
AW-GF-11	ABWF-Patching up the tie-bolt hole	10	12-Jun-18	25-Jun-18	14-Aug-18	25-Aug-18	100%																	
AS-GF-10	Access for ABWF / MEP / Fit-out Installation	0	12-Jun-18		14-Aug-18		100%	◆ Access for ABWF / MEP / Fit-out Installation, 14-Aug-18																
AW-GF-11	ABWF-Isolated floor on structure floor slab at the 150-seat lecture theatre	19	12-Jun-18	06-Jul-18	14-Aug-18	05-Sep-18	69.59%																	
AW-GF-11	ABWF-dry wall frame & shutter installation	13	06-Jul-18	21-Jul-18	14-Aug-18	29-Aug-18	0%																	
BS-GF-10	MEP H/L 1st Fix	25	19-Jul-18	17-Aug-18	17-Aug-18	15-Sep-18	0%																	
BS-GF-10	MEP 2nd fix AC equipment /Cabling/Connection	19	17-Aug-18	08-Sep-18	15-Sep-18	10-Oct-18	0%																	
AW-GF-11	PISA - Glass wall installation (GL 9-11/B-E)	32	17-Aug-18	24-Sep-18	15-Sep-18	26-Oct-18	0%																	
<b>4. Zone C, D1, D2 and N</b>																								
<b>Zone D, N - Lift Lobby / Corridor / Concourse (GL 5 and 7)</b>																								
AS-GF-10	Access for ABWF / MEP / Fit-out Installation	0	03-Feb-18		14-Jul-18		100%	◆ Access for ABWF / MEP / Fit-out Installation, 14-Jul-18																
AW-GF-1C	ABWF - Wet trade - rendering / ceiling / wall 1st coat	13	03-Feb-18	22-Feb-18	14-Jul-18	28-Jul-18	100%																	
BS-GF-10	MEP Installation H/L 1st & 2nd Fix / riser	40	22-Feb-18	14-Apr-18	30-Jul-18	13-Sep-18	100%																	
BS-GF-10	MEP - 2nd fix cabling & wiring	27	14-Apr-18	17-May-18	14-Sep-18	18-Oct-18	100%																	
<b>Fire Control Room (G-1-057)</b>																								
AS-GF-10	Access for ABWF/MEP Installation	0	22-Dec-17		14-Jul-18		100%	◆ Access for ABWF/MEP Installation, 14-Jul-18																
AW-GF-1C	General Builder's Works	13	22-Dec-17	10-Jan-18	14-Jul-18	28-Jul-18	100%																	
AW-GF-1C	ABWF - Ceiling / Wall / floor - 1st Coat	13	10-Jan-18	25-Jan-18	30-Jul-18	13-Aug-18	100%																	
BS-GF-10	MEP Installation H/L 1st & 2nd Fix	19	17-Jan-18	08-Feb-18	06-Aug-18	28-Aug-18	100%																	
BS-GF-10	MEP Cabling & Wiring	7	08-Feb-18	20-Feb-18	27-Aug-18	04-Sep-18	100%																	
AW-GF-1C	ABWF - Door frame & panels & ironmongeries installation	7	20-Feb-18	28-Feb-18	04-Sep-18	12-Sep-18	100%																	
AW-GF-1C	ABWF final touch up	7	03-Mar-18	12-Mar-18	17-Sep-18	26-Sep-18	100%																	
BS-GF-10	MEP-Fire Control System Installation/Connection	80	12-Mar-18	21-Jun-18	26-Sep-18	03-Jan-19	100%																	
<b>Museum shop / Other Area</b>																								
AD-GF-10	Access for ABWF / MEP / Fit-out Installation	0	09-May-18		13-Sep-18		100%	◆ Access for ABWF / MEP																
AW-GF-1C	ABWF-Ceiling/Wall Sealer	7	09-May-18	17-May-18	13-Sep-18	20-Sep-18	100%																	
BS-GF-10	MEP 1st/2nd Fix -Containment/A/C/duct/FS Pipe/ Riser	25	17-May-18	16-Jun-18	21-Sep-18	23-Oct-18	100%																	
AD-GF-10	PISA-Glass Wall/Ceramic Mullion	23	17-May-18	14-Jun-18	21-Sep-18	20-Oct-18	100%																	
<b>5. Pedestrian Pavement Works (Around M+ Podium)</b>																								
PW-M-101	Access for ABWF / MEP Installation (GL A, 1-7)	0	03-Feb-18		14-Jul-18		100%	◆ Access for ABWF / MEP Installation (GL A, 1-7), 14-Jul-18																
PW-M-101	Waterproofing / test / insulation layer / screeding (GL A,1-7)	19	03-Feb-18	01-Mar-18	14-Jul-18	04-Aug-18	100%																	
PW-M-101	MEP P/D & ELE / ELV 1st & 2nd fix (GL A,1-7)	13	01-Mar-18	16-Mar-18	06-Aug-18	20-Aug-18	100%																	
PW-M-101	Concrete bedding & precast concrete bench (GL A, 1-7)	19	16-Mar-18	12-Apr-18	21-Aug-18	11-Sep-18	100%																	
PW-M-102	Pavement Work (GL A-E, 1-3)- (Detail Sequence refer to Act PW-GF10100 to 10130)	32	12-Apr-18	21-May-18	12-Sep-18	22-Oct-18	100%																	
<b>6. EVA</b>																								
<b>Zone A1, A2, A3 &amp; M (GL 7'-7/A)</b>																								
EVA-M-1C	Access for ABWF / MEP Installation (GL 7'-7/A)	0	20-Aug-18		20-Aug-18*		0%	◆ Access for ABWF / MEP Installation (GL 7'-7/A), 20-Aug-18*																
EVA-M-1C	Waterproofing / Test / Insulation layer / screeding (Part 1)	16	20-Aug-18	06-Sep-18	20-Aug-18	06-Sep-18	0%																	
EVA-M-1C	Road Finishes (Part 1)	16	07-Sep-18	26-Sep-18	07-Sep-18	26-Sep-18	0%																	
EVA-M-1C	Waterproofing / Test / Insulation layer / screeding (Part 2)	16	27-Sep-18	16-Oct-18	27-Sep-18	16-Oct-18	0%																	
<b>Zone D &amp; N (GL 7'-7/M)</b>																								
EVA-M-1C	Access for ABWF / MEP Installation (GL 7'-7/M)	0	27-Sep-18		27-Sep-18		0%																	
EVA-M-1C	Waterproofing / Test / Insulation layer / screeding (Part 1)	16	27-Sep-18	16-Oct-18	27-Sep-18	16-Oct-18	0%																	
<b>1/F</b>																								
<b>Zone G</b>																								
<b>Courtyard</b>																								
AW-MIC-	ABWF - Erection of scaffolding / working platform	7	31-May-18	07-Jun-18	06-Aug-18	14-Aug-18	100%																	



Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June					July					August				September					
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23		
AW-2F-1C	ABWF-Ceiling Frame(FOH)/ Door Frame/Fire Shutter(BOH)	25	13-Apr-18	12-May-18	11-Sep-18	12-Oct-18	100%																				
<b>Zone M- Stair/Lift Lobbys/First Aid Room</b>																											
AW-2F-1C	ABWF-Floor screeding/Door Frame, Ceiling/Wall/Floor Paint	54	10-Apr-18	14-Jun-18	12-Jul-18	13-Sep-18	100%																				
BS-2F-10C	MEP H/L 1st/2nd Fix -Containment/A/C duct/FS Pipe/ Rainwater Pipe	80	17-Apr-18	24-Jul-18	19-Jul-18	24-Oct-18	74.31%																				
<b>Zone E-Gallery 8 /BOH /Lift lobby and Gallery Study Area</b>																											
AW-2F-1C	ABWF Installation before A/C On- Typical Sequence Please refer Temporary Exhibition Section	107	14-Jun-18	23-Oct-18	13-Sep-18	23-Jan-19	10.9%																				
BS-2F-10C	MEP Installation before A/C On - Typical Sequence Please refer Temporary Exhibition Section	107	14-Jun-18	23-Oct-18	13-Sep-18	23-Jan-19	10.9%																				
AS-2F-10C	Access for ABWF/MEP Installation (Link from L3 slab/deprop date - zone E)	0	14-Jun-18		13-Sep-18		100%																			♦ Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone E), 13-Sep-18	
<b>Zone E- Gallery Tolient</b>																											
AS-2F-10C	Access for ABWF/MEP Installation	0	14-Jun-18		13-Sep-18		100%																			♦ Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone E), 13-Sep-18	
AW-2F-1C	ABWF-Block Wall	7	14-Jun-18	23-Jun-18	13-Sep-18	21-Sep-18	100%																				
BS-2F-10C	MEP-Low Level P&D Pipework, H/L 1st/2nd Fix	13	23-Jun-18	10-Jul-18	21-Sep-18	09-Oct-18	35.9%																				
<b>3. Zone G GL 11-14/A-H</b>																											
<b>Gallery 10 and Courtyard View Gallery</b>																											
AS-2F-10C	Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone G)	0	17-May-18		14-Jul-18		100%																			♦ Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone G), 14-Jul-18	
BS-2F-10C	MEP Installation before A/C On - Typical Sequence Please refer Temporary Exhibition Section	89	09-Jun-18	24-Sep-18	06-Aug-18	21-Nov-18	17.73%																				
AW-2F-1C	ABWF Installation before A/C On- Typical Sequence Please refer Temporary Exhibition Section	89	20-Jun-18	05-Oct-18	15-Aug-18	30-Nov-18	8.74%																				
<b>Park View Gallery, Gallary 9, Harbour Gallery 1 and Garden Gallery 2</b>																											
AW-2F-1C	ABWF Installation before A/C On- Typical Sequence Please refer Temporary Exhibition Section	107	17-May-18	22-Sep-18	14-Jul-18	20-Nov-18	32.19%																				
BS-2F-10C	MEP Installation before A/C On - Typical Sequence Please refer Temporary Exhibition Section	107	17-May-18	22-Sep-18	14-Jul-18	20-Nov-18	32.19%																				
AS-2F-10C	Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone G)	0	17-May-18		14-Jul-18		100%																			♦ Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone G), 14-Jul-18	
<b>2. Zone C, D1 and D2</b>																											
<b>Zone D1- Plaza view Gallery, Gallery 1-4 and 14 &amp; 15 and BOH along GL M &amp; GL 5-6</b>																											
AS-2F-10C	Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone D2)	0	21-Mar-18		23-Jul-18		100%																			♦ Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone D2), 23-Jul-18	
AW-2F-1C	ABWF Installation before A/C On- Typical Sequence Please refer Temporary Exhibition Section	94	21-Mar-18	18-Jul-18	23-Jul-18	13-Nov-18	83.45%																				
BS-2F-10C	MEP Installation before A/C On - Typical Sequence Please refer Temporary Exhibition Section	94	21-Mar-18	18-Jul-18	23-Jul-18	13-Nov-18	83.45%																				
<b>Zone C- Skylight Gallery and BOH along GL 1 and GL K</b>																											
AS-2F-10C	Access for ABWF/MEP Installation (Link from L3 Precast-Wall and Roof Cladding) Act A4749C	0	26-Jan-18		23-Jul-18		100%																			♦ Access for ABWF/MEP Installation (Link from L3 Precast-Wall and Roof Cladding) Act A47490, 23-Jul-18	
AW-2F-1C	Skylight Installation Completed (Link from Act ID 47350)	0		29-Mar-18		08-Sep-18	100%																			♦ Skylight Installation Completed	
<b>5. Zone B, Q, F, P, E1</b>																											
<b>Zone E1- Gallery 7 and Garden Gallery 1</b>																											
AS-2F-10C	Facade Completed and Weathertight	0		23-May-18		30-Jun-18*	100%																			♦ Facade Completed and Weathertight, 30-Jun-18	
BS-2F-10C	MEP Installation before A/C On - Typical Sequence Please refer Temporary Exhibition Section	107	20-Jan-18	05-Jun-18	12-Jul-18	17-Nov-18	100%																				
AS-2F-10C	Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone E1)	0	20-Jan-18		12-Jul-18		100%																			♦ Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone E1), 12-Jul-18	
AW-2F-1C	ABWF Installation before A/C On- Typical Sequence Please refer Temporary Exhibition Section	107	20-Jan-18	05-Jun-18	12-Jul-18	17-Nov-18	100%																				
<b>Zone P- Jukebox Gallery and Gallery 11</b>																											
AS-2F-10C	Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone P)	0	01-Apr-18		08-Sep-18		100%																			♦ Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone P), 08-Sep-18	
AS-2F-10C	Facade Completed and Weathertight	0		29-Mar-18		08-Sep-18	100%																			♦ Facade Completed and Weathertight, 08-Sep-18	
<b>4. Zone L, K, H, J</b>																											
<b>Zone L, K, H- Open Gallery, Harbour View Gallery, Corridor and BOH</b>																											
AS-2F-10C	Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone L,K)	0	14-Jun-18		28-Jul-18		100%																			♦ Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone L,K), 28-Jul-18	
AW-2F-1C	ABWF Installation before A/C On- Typical Sequence Please refer Temporary Exhibition Section	107	14-Jun-18	23-Oct-18	28-Jul-18	02-Nov-18	11.11%																				
<b>Zone J Gallery 12</b>																											
AS-2F-10C	Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone L,K)	0	21-Mar-18		12-Jul-18		100%																			♦ Access for ABWF/MEP Installation (Link from L3 Slab cast/deprop date-zone L,K), 12-Jul-18	
AW-2F-1C	ABWF Installation before A/C On- Typical Sequence Please refer Temporary Exhibition Section	107	17-Jul-18	22-Nov-18	29-Aug-18	04-Dec-18	0%																				
<b>3/F</b>																											
<b>Roof Terrace</b>																											
<b>Zone A (G.L. A-H/1-6)</b>																											
AS-3F-11C	ABWF/MEP Access Installation	0	26-Jan-18		12-Jul-18		100%																			♦ ABWF/MEP Access Installation, 12-Jul-18	
AW-3F-1C	ABWF-Wet Trade / Screeding / Water Proofing / Test / Insulation / Screeding	38	26-Jan-18	15-Mar-18	12-Jul-18	25-Aug-18	100%																				
BS-3F-10C	MEP-1st & 2nd Fix	54	15-Mar-18	24-May-18	25-Aug-18	31-Oct-18	100%																				
<b>Zone E &amp; P &amp; G (G.L. A-G/8-14)</b>																											
<b>Zone P</b>																											
AW-3F-1	Zone P Remaining Structure for Skylight (Link from Zone P 3/F slab cast)	27	26-Jan-18	02-Mar-18	12-Jul-18	13-Aug-18	100%																				
AW-3F-1	PISA-Skylight Installation	23	02-Mar-18	29-Mar-18	13-Aug-18	08-Sep-18	100%																				
<b>Zone B &amp; C &amp; D (G.L. A-E/8-11)</b>																											
<b>Zone B &amp; D</b>																											
AS-3F-11C	ABWF/MEP Access Installation	0	02-Mar-18		12-Jul-18		100%																			♦ ABWF/MEP Access Installation, 12-Jul-18	
<b>Zone C</b>																											
AW-3F-1	Zone C Remaining Structure for Skylight (Link from Zone C 3/F slab cast)	27	01-Feb-18	07-Mar-18	29-Jun-18	31-Jul-18	100%																				
AW-3F-1	REL-Precast Wall / Roof Ready	27	08-Mar-18	12-Apr-18	01-Aug-18	31-Aug-18	100%																				
AW-3F-1	PISA-Skylight Installation	23	13-Apr-18	10-May-18	01-Sep-18	28-Sep-18	100%																				
<b>Zone F</b>																											
<b>Staircase &amp; Staircase Lobby</b>																											
ST-B2-10C	Staircase ST-76 (Similiar working procedures as ST-04B)	75	03-Mar-18	06-Jun-18	12-Jul-18	10-Oct-18	100%																				
<b>Moving Image Centre Working Programme</b>																											
<b>B1/F</b>																											
<b>Cooridor along G.L. 10-14/K</b>																											

# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June				July				August				September			
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09
AS-MC-1C	Access for ABWF/MEP Installation	0	28-Apr-18		29-Jun-18		100%	Access for ABWF/MEP Installation, 29-Jun-18															
AW-MC-1	ABWF-Wet Trade-Block Wall/Rendering/1st Coat	27	28-Apr-18	01-Jun-18	29-Jun-18	31-Jul-18	100%	[Gantt bar]															
BS-MC-1C	MEP- Install Main CHW Header along GL K-L, 12-8 (linked to Pri Sys Flushing)	32	04-May-18	12-Jun-18	31-Aug-18	10-Oct-18	100%	[Gantt bar]															
BS-MC-1C	MEP-1st Fix/2nd Fix-AC/Elect/PD/FS	27	28-May-18	29-Jun-18	22-Sep-18	27-Oct-18	98.35%	[Gantt bar]															
<b>G/F</b>																							
<b>Main Auditorium / Open Cinema (G/F - 2/F) (2-1-053)</b>																							
AS-Aud-1	Access for ABWF / MEP installation (Link from A60290 Auditorium clab curing)	0	15-Jun-18		31-Aug-18		100%	Access for ABWF / MEP installation:(Link from															
RC-Aud-1	Steel truss construction	27	15-Jun-18	19-Jul-18	31-Aug-18	04-Oct-18	39.09%	[Gantt bar]															
AW-Aud-1	Bamboo scaffolding erection	13	19-Jul-18	03-Aug-18	26-Sep-18	12-Oct-18	0%	[Gantt bar]															
<b>All Levels Works</b>																							
<b>Risers</b>																							
<b>1. Zone A &amp; M</b>																							
BS-ALL-1C	Zone A(GLH)- MEP Riser Installation-1st/2nd Fix Installation	54	01-Mar-18	09-May-18	12-Jul-18	13-Sep-18	100%	[Gantt bar]															
BS-ALL-1C	Zone M-MEP Riser Installation-Cabling	54	30-May-18	03-Aug-18	14-Aug-18	19-Oct-18	45.68%	[Gantt bar]															
BS-ALL-1C	Zone A(GL B & E)-MEP Riser Installation-Cabling	54	07-Apr-18	12-Jun-18	29-Aug-18	03-Nov-18	100%	[Gantt bar]															
BS-ALL-1C	Zone A(GLH)-MEP Riser Installation-Cabling	54	09-May-18	14-Jul-18	13-Sep-18	19-Nov-18	76.75%	[Gantt bar]															
<b>2. Zone N</b>																							
BS-ALL-1C	Zone N- MEP Riser Installation-1st/2nd Fix Installation	41	24-Apr-18	13-Jun-18	29-Aug-18	19-Oct-18	100%	[Gantt bar]															
<b>3. Zone G</b>																							
BS-ALL-1C	Zone G- MEP Riser Installation-1st/2nd Fix Installation	41	17-May-18	07-Jul-18	14-Jul-18	31-Aug-18	84.01%	[Gantt bar]															
BS-ALL-1C	Zone G-MEP Riser Installation-Cabling	54	07-Jul-18	08-Sep-18	31-Aug-18	06-Nov-18	0%	[Gantt bar]															
<b>4. Zone D1</b>																							
BS-ALL-1C	Zone D1- MEP Riser Installation-1st/2nd Fix Installation	41	02-Mar-18	24-Apr-18	12-Jul-18	29-Aug-18	100%	[Gantt bar]															
BS-ALL-1C	Zone D1-MEP Riser Installation-Cabling	54	24-Apr-18	29-Jun-18	29-Aug-18	03-Nov-18	98.97%	[Gantt bar]															
<b>5. Zone H</b>																							
BS-ALL-1C	Zone H- MEP Riser Installation-1st/2nd Fix Installation	27	14-May-18	15-Jun-18	14-Jul-18	15-Aug-18	100%	[Gantt bar]															
BS-ALL-1C	Zone H-MEP Riser Installation-Cabling	27	15-Jun-18	19-Jul-18	15-Aug-18	15-Sep-18	37.86%	[Gantt bar]															
<b>6. Zone E</b>																							
BS-ALL-1C	Zone E- MEP Riser Installation-1st/2nd Fix Installation	41	11-Dec-17	31-Jan-18	27-Jun-18 A	15-Aug-18	100%	[Gantt bar]															
BS-ALL-1C	Zone E-MEP Riser Installation-Cabling	54	31-Jan-18	12-Apr-18	15-Aug-18	20-Oct-18	100%	[Gantt bar]															
<b>Staircases</b>																							
<b>M+</b>																							
<b>Stair cores @ GL B-C/3 (Zone A)</b>																							
<b>Staircase B2/F - G/F Staircase ST-04B</b>																							
AS-ALL-1	Access Date for ST-04B	0	07-Dec-17		14-Jul-18		100%	Access Date for ST-04B, 14-Jul-18															
BS-ALL-1	MEP 1st /2nd Fix, FS Riser / Containment	7	07-Dec-17	14-Dec-17	14-Jul-18	21-Jul-18	100%	[Gantt bar]															
AW-ALL-1	ABWF-Metal Work- Hand rail, balustrade (7 days)	7	15-Dec-17	22-Dec-17	23-Jul-18	30-Jul-18	100%	[Gantt bar]															
AW-ALL-1	ABWF-Wet Trade, Floor/Wall/Ceiling	19	23-Dec-17	17-Jan-18	31-Jul-18	21-Aug-18	100%	[Gantt bar]															
BS-ALL-1	MEP Final Fix (7days)	7	18-Jan-18	25-Jan-18	22-Aug-18	29-Aug-18	100%	[Gantt bar]															
AW-ALL-1	ABWF-Door/Ironmongeries	7	26-Jan-18	02-Feb-18	30-Aug-18	06-Sep-18	100%	[Gantt bar]															
<b>Staircase G/F/ - 3/F Staircase ST-04</b>																							
AS-ALL-1	Access Date for ST-04	0	03-Feb-18		07-Sep-18		100%	Access Date for ST-04, 07-Sep-18															
BS-ALL-1	MEP 1st /2nd Fix, FS Riser / Containment	13	03-Feb-18	21-Feb-18	07-Sep-18	21-Sep-18	100%	[Gantt bar]															
AW-ALL-1	ABWF-Metal Work- Hand rail, balustrade (7 days)	13	22-Feb-18	08-Mar-18	22-Sep-18	09-Oct-18	100%	[Gantt bar]															
<b>Stair cores @ A-B/7-8 (Zone M)</b>																							
<b>Staircase B1/F - G/F Staircase ST-01B</b>																							
AS-ALL-1	Access Date for ST-01B	0	07-Dec-17		14-Jul-18		100%	Access Date for ST-01B, 14-Jul-18															
BS-ALL-1	MEP 1st /2nd Fix, FS Riser / Containment	7	07-Dec-17	14-Dec-17	14-Jul-18	21-Jul-18	100%	[Gantt bar]															
AW-ALL-1	ABWF-Metal Work- Hand rail, balustrade	7	15-Dec-17	22-Dec-17	23-Jul-18	30-Jul-18	100%	[Gantt bar]															
AW-ALL-1	ABWF-Wet Trade, Floor/Wall/Ceiling	19	23-Dec-17	17-Jan-18	31-Jul-18	21-Aug-18	100%	[Gantt bar]															
BS-ALL-1	MEP Final Fix	7	18-Jan-18	25-Jan-18	22-Aug-18	29-Aug-18	100%	[Gantt bar]															
AW-ALL-1	ABWF-Door/Ironmongeries	7	22-Jan-18	30-Jan-18	25-Aug-18	03-Sep-18	100%	[Gantt bar]															
<b>Staircase G/F/ - 3/F Staircase ST-01</b>																							
AS-ALL-1	Access Date for ST-03	0	10-Apr-18		03-Sep-18		100%	Access Date for ST-03, 03-Sep-18															
BS-ALL-1	MEP 1st /2nd Fix, FS Riser / Containment	13	10-Apr-18	25-Apr-18	03-Sep-18	18-Sep-18	100%	[Gantt bar]															
AW-ALL-1	ABWF-Metal Work- Hand rail, balustrade	13	25-Apr-18	11-May-18	18-Sep-18	05-Oct-18	100%	[Gantt bar]															
<b>M+ Basement &amp; Podium Testing &amp; Commissioning</b>																							
<b>MEP System T&amp;C</b>																							
<b>Electrical</b>																							
<b>M+ Podium</b>																							
EL-CLP-10	TX Room A CLP power on (M+ & CSF)	0		24-Mar-18		05-Jul-18	100%	TX Room A CLP power on (M+ & CSF)															
EL-CLP-10	TX Room B CLP power on (M+ & CSF)	0		24-Mar-18		05-Jul-18	100%	TX Room B CLP power on (M+ & CSF)															
EL-CLP-10	TX Room C CLP power on (DCS)	0		30-Apr-18		18-Jul-18	100%	TX Room C CLP power on (DCS)															
<b>HVAC</b>																							
BS-BaP-TC	T&C for Seawater Side	13	03-Feb-18	22-Feb-18	29-Jun-18	14-Jul-18	100%	[Gantt bar]															
BS-BaP-TC	CHW pumping system Inc MCC self test (DCS)	13	11-May-18	26-May-18	27-Sep-18	13-Oct-18	100%	[Gantt bar]															
<b>M+ Tower</b>																							
<b>Tower Crane Provision</b>																							

# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June					July					August				September		
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16
<b>Provision of TC7 (Tower Facade Installation &amp; Dismantle of TC2)</b>																								
<b>TC7-2 Erection</b>																								
A59310	Commencement of TC7-2 erection @ M+ Tower Roof Slab	0	03-Aug-18		18-Aug-18		0%	◆ Commencement of TC7-2 erection @ M+ Tower Roof Slab, 18-Aug																
A59320	Erect TC7-2 @ M+ Tower Roof Slab (to 118.7mPD)	9	03-Aug-18	14-Aug-18	18-Aug-18	28-Aug-18	0%																	
A59330	Inspection and ICE & RPE Certification	5	14-Aug-18	20-Aug-18	29-Aug-18	03-Sep-18	0%																	
A64630	TC7-2 Operational Period	122	20-Aug-18	16-Jan-19	04-Sep-18	22-Feb-19	0%																	
<b>Critical Key Dates</b>																								
<b>Critical Key Dates - M+ Tower Structure RC Works</b>																								
<b>Critical Key Dates - M+ Tower Structure Works - West Core</b>																								
A12900	Complete West Core Wall - R/F Slab, Wall & Column (GL 7-8/A-E)	0		10-May-18		07-Jul-18	100%	◆ Complete West Core Wall - R/F Slab, Wall & Column (GL 7-8/A-E),																
A12910	Complete West Core Wall - UR/F Slab, Wall & Column (GL 7-8/A-E)	0		17-May-18		28-Jul-18	100%	◆ Complete West Core Wall - UR/F Slab, Wall & Column (GL 7-8/A-E),																
<b>Critical Key Dates - M+ Tower Structure Works - East Core</b>																								
A13050	Complete East Core Wall - R/F Slab, Wall & Column (GL 7-8/L-M)	0		01-Aug-18		11-Sep-18	0%	◆ Complete East Core Wall - R																
<b>Critical Key Dates - M+ Tower Structure Works - Tower</b>																								
A13230	Complete Tower Structure - R/F Slab, Wall & Column (GL 7-8/E-L)	0		28-Jul-18		14-Aug-18	0%	◆ Complete Tower Structure - R/F Slab, Wall & Column (GL 7-8/E-L),																
A13240	Complete Tower Structure - UR/F Slab, Wall & Column (GL 7-8/E-L)	0		22-Aug-18		04-Sep-18	0%	◆ Complete Tower Structure - UR/F Slab																
<b>M+ Tower RC Structure Construction (4/F - 16/F &amp; R/F - UR/F)</b>																								
<b>Tower Structure - West Core Wall (Non-deferred Zone M) @ GL 7-8/A-D (M1)</b>																								
<b>Tower Structure - West Core Wall @GL7-8/A-D (TC2 TIE TO WCW)</b>																								
A37630	16F-RF Wall, Column & RF slab (GL 7-8/A-D)	12	26-Apr-18	10-May-18	18-Jun-18 A	07-Jul-18	100%																	
A37640	RF-URF Wall, Column & URF (GL 7-8/A-D)	6	11-May-18	17-May-18	07-Jul-18	28-Jul-18	100%																	
A37650	Complete West Core Wall Structure to RF slab	0		18-May-18		28-Jul-18	100%	◆ Complete West Core Wall Structure to RF slab,																
A37620	15F-16F Wall, Column & 16F slab (GL 7-8/A-D)	12	12-Apr-18	25-Apr-18	29-May-18 A	16-Jun-18 A	100%																	
<b>Tower Structure - Deferred Zone F @ GL 7-8/D-H (M2)</b>																								
<b>Tower Structure - Deferred Zone F @ GL 7-8/D-H</b>																								
A37860	14F-15F Wall, Column & 15F slab (GL 7-8/D-H)	12	15-Jun-18	29-Jun-18	22-Jun-18 A	10-Jul-18	91.67%																	
A37870	15F-16F Wall, Column & 16F slab (GL 7-8/D-H)	12	30-Jun-18	14-Jul-18	11-Jul-18	27-Jul-18	0%																	
A37900	16F-RF Wall, Column & RF slab (GL 7-8/D-H)	12	16-Jul-18	28-Jul-18	28-Jul-18	14-Aug-18	0%																	
A37910	RF-URF Wall, Column & URF (GL 7-8/D-H)	21	30-Jul-18	22-Aug-18	15-Aug-18	04-Sep-18	0%																	
A37850	13F-14F Wall, Column & 14F slab (GL 7-8/D-H)	12	01-Jun-18	14-Jun-18	01-Jun-18 A	21-Jun-18 A	100%																	
<b>Tower Structure - Deferred Zone F &amp; East Core Wall Zone N @GL 7-8/H-M (M3)</b>																								
<b>Tower Structure - Deferred Zone F &amp; East Core Wall Zone N @GL7-8/H-M</b>																								
A37700	13F-14F Wall, Column & 14F slab (GL 7-8/H-M)	13	31-May-18	14-Jun-18	28-Jun-18 A	20-Jul-18	100%																	
A37710	14F-15F Wall, Column & 15F slab (GL 7-8/H-M)	13	15-Jun-18	30-Jun-18	20-Jul-18	07-Aug-18	84.62%																	
A37720	15F-16F Wall, Column & 16F slab (GL 7-8/H-M)	13	03-Jul-18	17-Jul-18	07-Aug-18	24-Aug-18	0%																	
A37730	16F-RF Wall, Column & RF slab (GL 7-8/H-M)	13	18-Jul-18	01-Aug-18	24-Aug-18	11-Sep-18	0%																	
A37740	RF-URF Wall, Column & URF (GL 7-8/H-M)	21	02-Aug-18	25-Aug-18	11-Sep-18	03-Oct-18	0%																	
A37690	12F-13F Wall, Column & 13F slab (GL 7-8/H-M)	13	15-May-18	30-May-18	08-Jun-18 A	27-Jun-18 A	100%																	
<b>M+ Tower Temporary Works</b>																								
MTFF-10010	Fair Face Concrete Remedial Works - M+ Tower 1/F	0			17-Jul-18	01-Aug-18	0%	MTFF-10010																
MTFF-10020	Fair Face Concrete Remedial Works - M+ Tower 2/F	0			02-Aug-18	17-Aug-18	0%	MTFF-10020																
MTFF-10030	Fair Face Concrete Remedial Works - M+ Tower 3/F	0			18-Aug-18	03-Sep-18	0%	MTFF-10030																
MTFF-10040	Fair Face Concrete Remedial Works - M+ Tower 4/F	0			04-Sep-18	19-Sep-18	0%	MTFF-10040																
MTFF-10050	Fair Face Concrete Remedial Works - M+ Tower 5/F	0			20-Sep-18	08-Oct-18	0%	MTFF-10050																
<b>M+ Tower External Envelope (By Permasteelisa)</b>																								
<b>Tower Facade Advance Works</b>																								
<b>Provision of Catchfan</b>																								
<b>Provision of Catch fan @ 9/F for Block A</b>																								
A47985	Dismantle Catchfan at 9th/F Block A	5	02-Oct-18	08-Oct-18	22-Jun-18 A	28-Jun-18 A	0%																	
<b>Provision of Catch fan @ 13/F for Block A</b>																								
A38200	Install Catch fan @ 13/F North Elevation Block A	5	14-Apr-18	19-Apr-18	16-Jun-18 A	29-Jun-18	100%																	
A38210	Inspection, ICE & RPE certification for Catchfan @15/F Block A	5	20-Apr-18	25-Apr-18	16-Jun-18 A	29-Jun-18	100%																	
A38180	Remove Scaffolding @ 14/F Block A	2	12-Apr-18	13-Apr-18	29-Jun-18	30-Jun-18	100%																	
A38240	Dismantle Catchfan at 15/F Block A	5	08-Nov-18	13-Nov-18	23-Aug-18	29-Aug-18	0%																	
A38190	Install Catch fan @ 13/F South Elevation Block A	5	14-Apr-18	19-Apr-18	16-Jun-18 A	22-Jun-18 A	100%																	
A38220	Install Working Platform @ 12th/F & 14th/F for South North Elevation Block A	5	12-Apr-18	17-Apr-18	16-Jun-18 A	21-Jun-18 A	100%																	
A38230	Inspection, ICE & RPE certification for Working Platform @ Block A	5	18-Apr-18	23-Apr-18	16-Jun-18 A	21-Jun-18 A	100%																	
<b>Provision of Catch fan @ 9/F for Block B</b>																								
A43550	Dismantle Catchfan at 11th/F Block B	5	26-Sep-18	03-Oct-18	12-Jul-18	18-Jul-18	0%																	
<b>Provision of Catch fan @ 13/F for Block B</b>																								
A15270	14/F RC Structure Completed	0	16-Jul-18		29-Jun-18		0%	◆ 14/F RC Structure Completed, 29-Jun-18																
A15275	Install Catch fan @ 13/F South Elevation Block B	5	16-Jul-18	20-Jul-18	29-Jun-18	05-Jul-18	0%																	
A15280	Install Catch fan @ 13/F North Elevation Block B	5	16-Jul-18	20-Jul-18	29-Jun-18	05-Jul-18	0%																	
A15295	Install Working Platform@10th & 12th for South/North Elevation Block B	5	30-Jun-18	06-Jul-18	29-Jun-18	05-Jul-18	0%																	
A15290	Inspection, ICE & RPE certification for Catchfan @13/F Block B	5	21-Jul-18	26-Jul-18	06-Jul-18	11-Jul-18	0%																	
A15305	Inspection, ICE & RPE certification for Working Platform @ Block B	5	07-Jul-18	12-Jul-18	06-Jul-18	11-Jul-18	0%																	
A22510	Dismantle Catchfan at 13/F Block B	5	10-Nov-18	16-Nov-18	31-Aug-18	06-Sep-18	0%																	
<b>Provision of Monorails, Catch fan &amp; Working Platform</b>																								



# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June							July							August				September		
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23			
<b>Provision of Monorail @ 8/F</b>																												
<b>Monorail-Block A (8/F)</b>																												
A14900	Dismantle Monorails at 8/F @ Block A	5	31-Aug-18	06-Sep-18	16-Jun-18 A	20-Jun-18 A	0%																					
<b>Monorail-Block B (8/F)</b>																												
A15000	Dismantle Monorails at 8/F @ Block B	5	20-Jul-18	25-Jul-18	16-Jun-18 A	30-Jun-18	0%																					
<b>Provision of Monorails @ 12/F</b>																												
<b>Monorail-Block A (12/F)</b>																												
A14910	14/F Structure Complete	0	12-Apr-18		29-Jun-18		100%																					
A14930	Monorail Operation Period@12/F Block A	160	02-May-18	10-Nov-18	20-Jun-18 A	18-Aug-18	30.08%																					
A14940	Dismantle Monorails at 12/F @ Block A	5	10-Nov-18	16-Nov-18	18-Aug-18	24-Aug-18	0%																					
A14920	Install/ICE Inspect monorails at 12/F slab @ Block A	16	12-Apr-18	30-Apr-18	16-Jun-18 A	20-Jun-18 A	100%																					
<b>Monorail-Block B (12/F)</b>																												
A15020	Install/ICE Inspect monorails at 12/F slab @ Block B	16	30-Jun-18	19-Jul-18	16-Jun-18 A	16-Jul-18	0%																					
A15030	Monorail Operation Period	95	20-Jul-18	10-Nov-18	16-Jul-18	18-Aug-18	0%																					
A15010	14/F Structure Completed	0	30-Jun-18		20-Jul-18		0%																					
A15040	Dismantle Monorails at 12/F @ Block B	5	10-Nov-18	16-Nov-18	18-Aug-18	24-Aug-18	0%																					
<b>Facade Installation by TC6-2, TC2, TC7-2 &amp; Monorail</b>																												
<b>Preparation Works</b>																												
A59820	Survey, Setup & Bracket Installation for 1st Installation - Staircase Zone	22	16-Nov-17	11-Dec-17	06-Jul-18	01-Aug-18	100%																					
<b>Monorail @8/F - North &amp; South Elevation 4/F to 8/F (Weathertight Zone)</b>																												
<b>Block A</b>																												
A59740	M+ Tower 5/F - External Facade 2nd Fix -Remaining	5	20-Aug-18	25-Aug-18	25-Jun-18 A	05-Jul-18	0%																					
A60080	M+ Tower 6/F - External Facade 2nd Fix -Remaining	5	25-Aug-18	31-Aug-18	05-Jul-18	11-Jul-18	0%																					
<b>Block B</b>																												
A59720	M+ Tower 5/F - External Facade 2nd Fix	10	01-Sep-18	13-Sep-18	25-Jun-18 A	29-Jun-18	0%																					
A59730	M+ Tower 6/F - External Facade 2nd Fix	10	13-Sep-18	26-Sep-18	29-Jun-18	12-Jul-18	0%																					
<b>Monorail @12/F - North &amp; South Elevation 7/F to 10/F (Weathertight Zone)</b>																												
<b>Block A</b>																												
A64840	M+ Tower 7/F - External Facade 2nd Fix	5	06-Sep-18	12-Sep-18	29-Jun-18	05-Jul-18	0%																					
A64850	M+ Tower 8/F - External Facade 2nd Fix	5	12-Sep-18	18-Sep-18	06-Jul-18	11-Jul-18	0%																					
A64860	M+ Tower 9/F - External Facade 2nd Fix	5	18-Sep-18	24-Sep-18	12-Jul-18	17-Jul-18	0%																					
A64870	M+ Tower 10/F - External Facade 2nd Fix	5	24-Sep-18	02-Oct-18	18-Jul-18	23-Jul-18	0%																					
A64890	M+ Tower - Monorail Installed and Operated @ 12/F	0	06-Sep-18		29-Jun-18 A		0%																					
<b>Block B</b>																												
A64900	M+ Tower - Monorail Installed and Operated @ 12/F	0	26-Jul-18		30-Jun-18		0%																					
A59620	M+ Tower 7/F - External Facade 2nd Fix	7	26-Sep-18	05-Oct-18	12-Jul-18	21-Jul-18	0%																					
A59630	M+ Tower 8/F - External Facade 2nd Fix	7	08-Oct-18	16-Oct-18	21-Jul-18	31-Jul-18	0%																					
A59640	M+ Tower 9/F - External Facade 2nd Fix	7	16-Oct-18	25-Oct-18	31-Jul-18	09-Aug-18	0%																					
A59650	M+ Tower 10/F - External Facade 2nd Fix	7	25-Oct-18	02-Nov-18	09-Aug-18	18-Aug-18	0%																					
<b>Tower Crane - North &amp; South Elevation 11/F to R/F (Weathertight Zone)</b>																												
A59660	M+ Tower 11/F - External Facade 2nd Fix (88 panels)	7	02-Nov-18	10-Nov-18	18-Aug-18	31-Aug-18	0%																					
A59750	M+ Tower 12/F - External Facade 2nd Fix (88 panels)	6	15-Nov-18	22-Nov-18	31-Aug-18	13-Sep-18	0%																					
A59760	M+ Tower 13/F - External Facade 2nd Fix (88 panels)	6	22-Nov-18	29-Nov-18	13-Sep-18	27-Sep-18	0%																					
A59770	M+ Tower 14/F - External Facade 2nd Fix (88 panels)	6	29-Nov-18	06-Dec-18	27-Sep-18	11-Oct-18	0%																					
<b>Final Fix - North &amp; South Elevation</b>																												
A59340	M+ Tower 4/F - External Facade Final Fix	6	01-Sep-18	08-Sep-18	07-Jul-18	14-Jul-18	0%																					
A59350	M+ Tower 5/F - External Facade Final Fix	6	13-Sep-18	20-Sep-18	14-Jul-18	21-Jul-18	0%																					
A59360	M+ Tower 6/F - External Facade Final Fix	6	26-Sep-18	04-Oct-18	21-Jul-18	28-Jul-18	0%																					
A59370	M+ Tower 7/F - External Facade Final Fix	6	05-Oct-18	12-Oct-18	28-Jul-18	04-Aug-18	0%																					
A59380	M+ Tower 8/F - External Facade Final Fix	6	16-Oct-18	24-Oct-18	04-Aug-18	11-Aug-18	0%																					
A59390	M+ Tower 9/F - External Facade Final Fix	6	25-Oct-18	01-Nov-18	11-Aug-18	18-Aug-18	0%																					
A59400	M+ Tower 10/F - External Facade Final Fix	6	02-Nov-18	09-Nov-18	18-Aug-18	25-Aug-18	0%																					
A59410	M+ Tower 11/F - External Facade Final Fix	6	10-Nov-18	17-Nov-18	31-Aug-18	07-Sep-18	0%																					
A59420	M+ Tower 12/F - External Facade Final Fix	6	22-Nov-18	29-Nov-18	13-Sep-18	20-Sep-18	0%																					
A59430	M+ Tower 13/F - External Facade Final Fix	6	29-Nov-18	06-Dec-18	27-Sep-18	05-Oct-18	0%																					
<b>M+ Tower Lift Installation</b>																												
<b>Service Lifts (LT01 &amp; 02)</b>																												
LT10010	Commence Lift LT01 & LT02 M/C Room Installation @ Roof	0	18-May-18		28-Jul-18		100%																					
LT10000	Available of lift pit at B2F, LT01 & LT02	0	18-May-18		28-Jul-18		100%																					
LT10020	Builders' Work & Lift M/C Room Installation @ R/F (LT01 & 02)	19	18-May-18	09-Jun-18	28-Jul-18	20-Aug-18	100%																					
LT10030	Lift Car Installation (LT01 & 02)	54	11-Jun-18	14-Aug-18	20-Aug-18	25-Oct-18	27.78%																					
<b>Public Lifts (LT05, LT06, LT07 &amp; LT08, 4nos, pit in B2F)</b>																												
LT10360	Lift Shaft Builders' Work (LT08)	16	18-May-18	06-Jun-18	25-Jun-18 A	06-Jul-18	100%																					
LT10255	Builders' Work for Lift Shaft & M/C Room	23	18-May-18	14-Jun-18	25-Jun-18 A	14-Jul-18	100%																					
LT10370	Lift car Installation (LT08)	54	07-Jun-18	10-Aug-18	06-Jul-18	07-Sep-18	33.33%																					
LT10260	Commence LT05, LT06 & LT07 Lift M/C Room Installation	0		14-Jun-18		14-Jul-18	100%																					
LT10280	Lift M/C Room Installation @ R/F (LT05 & LT06)	23	15-Jun-18	13-Jul-18	14-Jul-18	10-Aug-18	47.83%																					
LT10320	Lift M/C Room Installation @ 4F/5F/6F (LT07)	23	15-Jun-18	13-Jul-18	14-Jul-18	10-Aug-18	47.83%																					









# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June							July							August							September						
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23										
A22030	RDE - 3/F Install Facade Mesh Balustrade (FC-BA-02)	11	07-May-18	18-May-18	29-Aug-18	10-Sep-18	100%																												
A22040	RDE - 4/F Install Facade Mesh Balustrade (FC-BA-02)	11	21-May-18	02-Jun-18	12-Sep-18	24-Sep-18	100%																												
A22050	RDE - 5/F Install Facade Mesh Balustrade (FC-BA-02)	11	05-Jun-18	16-Jun-18	27-Sep-18	10-Oct-18	100%																												
<b>RDE Tower ABWF &amp; Building Services (GF - 15MF &amp; UR/F)</b>																																			
<b>RDE Tower GF - 14F, Excluding 2F, 5F, 15F &amp; 15MF</b>																																			
RDE-10140	G/F - ABWF / MEP Installation (Similar working procedures as 5/F)	86	19-Jan-18	08-May-18	06-Jun-18 A	05-Oct-18	100%																												
RDE-10120	3/F - ABWF / MEP Installation (Similar working procedures as 2/F)	94	13-Mar-18	09-Jul-18	09-Jul-18	30-Oct-18	91.49%																												
RDE-10130	4/F - ABWF / MEP Installation (Similar working procedures as 2/F)	94	29-Mar-18	25-Jul-18	26-Jul-18	16-Nov-18	76.6%																												
RDE-10150	6/F - ABWF / MEP Installation (Similar working procedures as 5/F)	86	07-May-18	17-Aug-18	29-Aug-18	10-Dec-18	51.16%																												
RDE-10160	7/F - ABWF / MEP Installation (Similar working procedures as 5/F)	86	24-May-18	03-Sep-18	10-Sep-18	21-Dec-18	34.88%																												
RDE-10170	8/F - ABWF / MEP Installation (Similar working procedures as 5/F)	86	09-Jun-18	19-Sep-18	24-Sep-18	08-Jan-19	18.6%																												
<b>2F</b>																																			
<b>Toilets (GL 2'-3/H)</b>																																			
AW-RDE-1	ABWF - Block Wall	13	24-Feb-18	10-Mar-18	29-Jun-18	14-Jul-18	100%																												
AS-RDE-10	Access for ABWF/MEP Installation (Linked from 5/F Slab Cast date)	0	24-Feb-18		29-Jun-18		100%	◆ Access for ABWF/MEP Installation (Linked from 5/F Slab Cast date), 29-Jun-18																											
BS-RDE-10	MEP - Low Level P&D Pipework, H/L 1st/2nd Fix	13	12-Mar-18	26-Mar-18	16-Jul-18	30-Jul-18	100%																												
AW-RDE-1	ABWF - Waterproofing/Water Test	7	27-Mar-18	07-Apr-18	31-Jul-18	07-Aug-18	100%																												
AW-RDE-1	ABWF - Floor screeding / Wall Plastering / Tiling	19	09-Apr-18	30-Apr-18	08-Aug-18	29-Aug-18	100%																												
AW-RDE-1	ABWF - Ceiling Grid/Ceiling Panel with Service Openings	7	02-May-18	09-May-18	30-Aug-18	06-Sep-18	100%																												
BS-RDE-10	MEP Dropper	3	10-May-18	12-May-18	07-Sep-18	10-Sep-18	100%																												
AW-RDE-1	ABWF - Ceiling Close up / Ceiling Finish	7	14-May-18	21-May-18	11-Sep-18	18-Sep-18	100%																												
AW-RDE-1	ABWF - Cubic Partition	7	23-May-18	30-May-18	19-Sep-18	27-Sep-18	100%																												
AW-RDE-1	ABWF - Final Fix-Sanitaryware / Sink / Door	7	31-May-18	07-Jun-18	28-Sep-18	06-Oct-18	100%																												
<b>FOH (GL 2'-6/G'-J) (including lobby)</b>																																			
AS-RDE-10	Access for ABWF / MEP / Fit-out Installation (Linked from 5/F Slab Cast date)	0	24-Feb-18		29-Jun-18		100%	◆ Access for ABWF / MEP / Fit-out Installation (Linked from 5/F Slab Cast date), 29-Jun-18																											
AW-RDE-1	ABWF - Block Wall	13	24-Feb-18	10-Mar-18	29-Jun-18	14-Jul-18	100%																												
BS-RDE-10	MEP Installation H/L 1st Fix	19	03-Mar-18	26-Mar-18	07-Jul-18	30-Jul-18	100%																												
BS-RDE-10	MEP - 2nd fix include cabling and wiring	19	14-Mar-18	10-Apr-18	18-Jul-18	09-Aug-18	100%																												
AW-RDE-1	ABWF - Ceiling Frame	13	10-Apr-18	25-Apr-18	09-Aug-18	24-Aug-18	100%																												
AW-RDE-1	Facde Completion and watertight	0		10-Apr-18		09-Aug-18	100%	◆ Facde Completion and watertight,																											
BS-RDE-10	MEP Dropper - FS dropper / Electrical Flexible / wiring	13	17-Apr-18	03-May-18	16-Aug-18	31-Aug-18	100%																												
AW-RDE-1	ABWF - Ceiling Close Up	7	25-Apr-18	04-May-18	24-Aug-18	01-Sep-18	100%																												
BS-RDE-10	MEP - Final Fix	13	03-May-18	18-May-18	31-Aug-18	15-Sep-18	100%																												
AW-RDE-1	ABWF - Wall Final Finish	13	18-May-18	04-Jun-18	15-Sep-18	03-Oct-18	100%																												
AS-RDE-10	Ready for T&C (FS)	0		18-May-18		15-Sep-18	100%	◆ Ready for T&C (FS),																											
<b>Kitchen (GL 1'-2/G'-J)</b>																																			
AS-RDE-10	Access for ABWF / MEP / Fit-out Installation (Linked from 5/F Slab Cast date)	0	24-Feb-18		29-Jun-18		100%	◆ Access for ABWF / MEP / Fit-out Installation (Linked from 5/F Slab Cast date), 29-Jun-18																											
AW-RDE-1	ABWF - Dry Wall stud	7	24-Feb-18	03-Mar-18	29-Jun-18	07-Jul-18	100%																												
BS-RDE-10	MEP Installation 1st Fix	19	24-Feb-18	19-Mar-18	29-Jun-18	23-Jul-18	100%																												
BS-RDE-10	MEP - 2nd fix include cabling and wiring	19	10-Mar-18	06-Apr-18	14-Jul-18	06-Aug-18	100%																												
AW-RDE-1	Facde Completion and watertight	0		19-Mar-18		23-Jul-18	100%	◆ Facde Completion and watertight,																											
AW-RDE-1	ABWF - Close Dry Wall	7	19-Mar-18	27-Mar-18	23-Jul-18	31-Jul-18	100%																												
AW-RDE-1	ABWF - Ceiling Frame	7	06-Apr-18	14-Apr-18	06-Aug-18	14-Aug-18	100%																												
BS-RDE-10	MEP Dropper - FS dropper / Electrical Flexible / wiring	7	14-Apr-18	23-Apr-18	14-Aug-18	22-Aug-18	100%																												
AW-RDE-1	ABWF - Ceiling Close Up	7	14-Apr-18	23-Apr-18	14-Aug-18	22-Aug-18	100%																												
BS-RDE-10	MEP - Final Fix	13	23-Apr-18	09-May-18	22-Aug-18	06-Sep-18	100%																												
AW-RDE-1	ABWF - Wall Final Finish	13	09-May-18	25-May-18	06-Sep-18	21-Sep-18	100%																												
AS-RDE-10	Ready for T&C (FS)	0		09-May-18		06-Sep-18	100%	◆ Ready for T&C (FS),																											
AW-RDE-1	ABWF - Floor Finishes on raised floor	7	25-May-18	02-Jun-18	21-Sep-18	02-Oct-18	100%																												
<b>ELE Room (GL 2'-3/H)</b>																																			
AS-RDE-10	Access for ABWF / MEP Installation (Linked from 5/F Slab Cast date)	0	24-Feb-18		29-Jun-18		100%	◆ Access for ABWF / MEP Installation (Linked from 5/F Slab Cast date), 29-Jun-18																											
AS-RDE-10	ABWF - Ceiling/Wall Sealer	5	24-Feb-18	01-Mar-18	29-Jun-18	05-Jul-18	100%																												
BS-RDE-10	MEP - 1st Fix	25	02-Mar-18	03-Apr-18	06-Jul-18	03-Aug-18	100%																												
BS-RDE-10	MEP - 2nd & Final Fix	27	04-Apr-18	07-May-18	04-Aug-18	04-Sep-18	100%																												
AW-RDE-1	ABWF - Door / Ironmongeries	2	08-May-18	09-May-18	05-Sep-18	06-Sep-18	100%																												
<b>ELV Room (GL 3'-A'-B')</b>																																			
AS-RDE-10	Access for ABWF/MEP Installation (Linked from 5/F Slab Cast date)	0	24-Feb-18		29-Jun-18		100%	◆ Access for ABWF/MEP Installation (Linked from 5/F Slab Cast date), 29-Jun-18																											
AW-RDE-1	ABWF Sealer paint	3	24-Feb-18	27-Feb-18	29-Jun-18	03-Jul-18	100%																												
BS-RDE-10	MEP 1st / 2nd Fix	13	28-Feb-18	14-Mar-18	04-Jul-18	18-Jul-18	100%																												
AW-RDE-1	ABWF-Door / Ironmongeries	3	15-Mar-18	17-Mar-18	19-Jul-18	21-Jul-18	100%																												
BS-RDE-10	MEP - ELV- Equipment Rack / Cabling / Connection	27	19-Mar-18	23-Apr-18	23-Jul-18	22-Aug-18	100%																												
AS-RDE-10	Ready for ELV system T&C	0		24-Apr-18		23-Aug-18	100%	◆ Ready for ELV system T&C,																											
<b>FS Lift Lobby &amp; Corridor @GL 4/G'</b>																																			
AS-RDE-10	Access for ABWF/MEP Installation (Structure and Non structure RC Wall Completed)	0	24-Feb-18		29-Jun-18		100%	◆ Access for ABWF/MEP Installation (Structure and Non structure RC Wall Completed), 29-Jun-18																											
AW-RDE-1	ABWF - Floor Screeding, Wall/Ceiling 1st coat	7	24-Feb-18	03-Mar-18	29-Jun-18	07-Jul-18	100%																												
BS-RDE-11	MEP - 1st / 2nd Fix Installation	25	05-Mar-18	06-Apr-18	09-Jul-18	06-Aug-18	100%																												
AW-RDE-1	ABWF-FR Ceiling Frame	13	07-Apr-18	21-Apr-18	07-Aug-18	21-Aug-18	100%																												
BS-RDE-11	MEP-Dropper	7	23-Apr-18	30-Apr-18	22-Aug-18	29-Aug-18	100%																												

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP -R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June					July					August				September					
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23		
AW-RDE-1	ABWF-FR Ceiling Close-up	13	02-May-18	16-May-18	30-Aug-18	13-Sep-18	100%																				
AW-RDE-1	ABWF-Wall Final Finishing	5	17-May-18	23-May-18	14-Sep-18	19-Sep-18	100%																				
AW-RDE-1	ABWF-Door Ironmogaries	5	17-May-18	23-May-18	14-Sep-18	19-Sep-18	100%																				
BS-RDE-11	MEP-Final Fix	7	17-May-18	25-May-18	14-Sep-18	21-Sep-18	100%																				
AS-RDE-10	Ready for T&C (FS)	0		26-May-18		22-Sep-18	100%																				
<b>5F</b>																											
RDE-10240	Toilets (5F) at GL2'-3'/H' (similar working procedures as 2/F)	84	19-Apr-18	30-Jul-18	13-Aug-18	22-Nov-18	69.05%																				
RDE-10250	ELE Room (5F) at GL2'-3'/H' (similar working procedures as 2/F)	58	19-Apr-18	28-Jun-18	13-Aug-18	23-Oct-18	100%																				
RDE-10260	ELV Room (5F) at GL3'/A'-B' (similar working procedures as 2/F)	45	19-Apr-18	12-Jun-18	13-Aug-18	06-Oct-18	100%																				
RDE-10290	FS Lift Lobby & Corridor (5F) at GL4'/G' (similar working procedures as 2/F)	63	19-Apr-18	05-Jul-18	13-Aug-18	29-Oct-18	92.06%																				
<b>FOH (GL 1'-2'/G'-H', 1'-2'/G'-J, 5'-6' &amp; 2'-5'/H'-J) (including lobby)</b>																											
AS-RDE-10	Access for ABWF / MEP / Fit-out Installation (Linked from 8/F Slab Cast date)	0	19-Apr-18		13-Aug-18		100%																				
BS-RDE-10	MEP Installation H/L 1st Fix	19	19-Apr-18	11-May-18	13-Aug-18	04-Sep-18	100%																				
BS-RDE-10	MEP - 2nd fix include cabling and wiring	19	28-Apr-18	23-May-18	23-Aug-18	14-Sep-18	100%																				
AW-RDE-1	ABWF - Ceiling Frame	13	23-May-18	07-Jun-18	14-Sep-18	02-Oct-18	100%																				
AW-RDE-1	Facade Completion and watertight	0		23-May-18		14-Sep-18	100%																				
<b>ICP &amp; SPS Construction</b>																											
<b>Key Dates</b>																											
A31610	Practical Completion of ICP & Obtain OP	0		09-Nov-18		31-Aug-18	0%																				
A31590	SPS and ICP (Portion A & B) - Full Access to Park Contractor	0		06-Apr-18		11-Sep-18	100%																				
<b>SPS WORKS (Sewerage Pumping Station)</b>																											
<b>SPS - External Envelope</b>																											
A56570	SPS - Final Fix & Facade Final Cleaning	4	02-Nov-17	07-Nov-17	05-Jul-18	10-Jul-18	100%																				
<b>ICP WORKS (Interfacing Car Park)</b>																											
<b>M+ ICP Accelerated Works Programme</b>																											
<b>M+ ICP KD &amp; MS</b>																											
ICP-M01	Obtain OP for works within the ICP (TOP)	0				29-Jun-18*	0%																				
A1020	Practical Completion	0				31-Aug-18	0%																				
ICP-M02	Achieve Practical Completion of all Works within the ICP	0				31-Aug-18*	0%																				
A2180	BA 14 Certificate / Acknowledgement by BD (for ICP)	0			08-Sep-18	30-Sep-18*	0%																				
<b>Civil Works</b>																											
A2150	BA14 Submission for Retaining Walls & Drainage	0				18-Jul-18	0%																				
<b>Builders works - Level B1</b>																											
<b>Major Plant Room &amp; Tank</b>																											
A1230	Cleaning and protections	0			03-Jul-18	11-Jul-18	0%																				
<b>Builders works - Level B2</b>																											
<b>Area D - GLEa - Ka</b>																											
A1370	Floor Screeding + Protection	0			30-May-18 A	20-Jun-18 A	0%																				
<b>Building Services</b>																											
<b>MEP Installation - 2nd fix</b>																											
<b>B2/F</b>																											
A2060	MEP 2nd Fix_ Storage Room (5A)	0			30-May-18 A	03-Jul-18	0%																				
<b>ICP Statutory Approval</b>																											
A2170	Direct Link Complete (By PCCW)	0				29-Jun-18*	0%																				
<b>EMSD</b>																											
A1620	LES Submission	0				01-Jul-18	0%																				
A1630	Issue of use permit	0			01-Jul-18*	18-Jul-18	0%																				
<b>FSD</b>																											
<b>TOP (excluding Roof Landscaping Works)</b>																											
A2090	FSD inspection	0			11-Jun-18 A	04-Jul-18	0%																				
A2130	Issuance of FS Certificate	0				04-Jul-18	0%																				
A2120	Submission of Form FS501 for FSD inspection	0			30-May-18 A		0%																				
<b>OP</b>																											
A1677	Submission of Form FS501 for FSD inspection	0			09-Jul-18*		0%																				
A1680	FSD inspection	0			21-Jul-18	06-Aug-18	0%																				
A1685	Issuance of FS Certificate	0				06-Aug-18	0%																				
<b>WSD</b>																											
<b>Portable Water</b>																											
A1760	WWO46 Part V Submission (Portable Water)	0				11-Jul-18	0%																				
<b>FS Water</b>																											
A1800	Issue Water Sample Report (FS Water)	0			29-Jun-18	14-Jul-18	0%																				
A1810	WWO46 Part V Submission (FS Water)	0				30-Jul-18	0%																				
A1820	Complete meter installation & water main connection (FS Water)	0			30-Jul-18	21-Aug-18*	0%																				
<b>BD submission</b>																											
A1690	OP Inspection	0			12-Aug-18	31-Aug-18*	0%																				
A2080	Achieve OP Certificate and Practical Completion of all works within the ICP	0				31-Aug-18*	0%																				
A1688	BA14 Submission	0			06-Sep-18		0%																				
<b>IPA Area Completion and Handover Programme</b>																											

# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June							July							August				September				
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23					
<b>Milestone Dates</b>																														
IPA.MS.02	IPA-02 Complete HCC scope and Ready for Handover to SFK - Area A	0				24-Jul-18*	0%																							
IPA.MS.03	IPA-03 Complete HCC scope and Ready for Handover to SFK - Area C	0				08-Aug-18*	0%																							
<b>IPA Area A - Earthwork</b>																														
<b>Construction of IPA works</b>																														
IPA.AA.390	Construct fencing	0			29-Jun-18	23-Jul-18	0%																							
IPA.AA.330	Construct Root Barriers	0			29-Jun-18	05-Jul-18	0%																							
IPA.AA.360	Construct irrigation system	0			11-Jun-18 A	23-Jul-18	0%																							
IPA.AA.370	Construct main path & secondary path	0			30-Jun-18	24-Jul-18	0%																							
IPA.AA.420	Complete HCC scope and Ready for Handover of Area A to Park Contractor	0				24-Jul-18	0%																							
<b>IPA Area B - Earthwork</b>																														
<b>Clear up &amp; water proofing ICP &amp; use as facade yard (High level - South)</b>																														
IPA.AB.90	Clear up Area B	0			29-Jun-18	05-Jul-18	0%																							
<b>Construction of UU</b>																														
IPA.AB.130	Construct drainage, catch pits & UC	0			23-Jul-18	23-Aug-18	0%																							
IPA.AB.140	Construct district wide CLP Cable ducts & Draw pits	0			16-Aug-18	17-Sep-18	0%																							
IPA.AB.150	Construct light ducts & pole footings	0			30-Aug-18	22-Sep-18	0%																							
IPA.AB.160	Construct CLP cable ducts & Draw pits Southside	0			24-Sep-18	19-Oct-18	0%																							
<b>IPA Area C - Earthwork</b>																														
<b>Backfill of soil as per temp profile</b>																														
IPA.AC.230	Backfill to design profile (deferred area)	0			18-Jul-18	28-Jul-18	0%																							
<b>Construction of Storm Drain</b>																														
<b>Between SE2.7 - DM52C (~39m)</b>																														
IPA.AC.1	Testing	0			04-Jul-18	04-Jul-18	0%																							
<b>Construction of Sewer Drain</b>																														
<b>Between F2.1E - SM19</b>																														
IPA.AC.1	Install sheet piles	0			29-Jun-18	04-Jul-18	0%																							
IPA.AC.1	Excavate & install ELS (1st layer)	0			05-Jul-18	07-Jul-18	0%																							
IPA.AC.1	Excavate to formation & SRT & blinding	0			09-Jul-18	10-Jul-18	0%																							
IPA.AC.1	Install 300DI pipes	0			11-Jul-18	12-Jul-18	0%																							
IPA.AC.2	Testing	0			13-Jul-18	13-Jul-18	0%																							
IPA.AC.2	Plug off manhole F2.1E & SM19	0			14-Jul-18	14-Jul-18	0%																							
IPA.AC.2	Backfill & SRT & remove ELS	0			16-Jul-18	17-Jul-18	0%																							
<b>Construction of remaining UU</b>																														
IPA.AC.240	Construct drainage, catch pits & UC	0			30-Jul-18	17-Aug-18	0%																							
<b>Construct district wide CLP ducts</b>																														
IPA.AC.3	Lay ducts	0			10-Jul-18	13-Jul-18	0%																							
IPA.AC.3	Backfill & SRT	0			14-Jul-18	19-Jul-18	0%																							
<b>Construct light ducts &amp; pole footings</b>																														
IPA.AC.2	Excavate to formation & SRT & blinding	0			30-Jul-18	31-Jul-18	0%																							
IPA.AC.2	Install ducts & backfill	0			01-Aug-18	04-Aug-18	0%																							
<b>Lighting cable ducts</b>																														
IPA.AC.2	Excavate to formation & SRT & blinding	0			01-Aug-18	01-Aug-18	0%																							
IPA.AC.3	Install ducts & backfill	0			02-Aug-18	06-Aug-18	0%																							
IPA.AC.3	Construct lighting base	0			07-Aug-18	10-Aug-18	0%																							
<b>Construction of EVA</b>																														
<b>South side</b>																														
IPA.AC.2	Prepare formation and SRT	0			30-Jul-18	01-Aug-18	0%																							
IPA.AC.2	Lay kerbs	0			02-Aug-18	11-Aug-18	0%																							
IPA.AC.2	Lay path base	0			07-Aug-18	17-Aug-18	0%																							
IPA.AC.2	Lay path surface	0			13-Aug-18	23-Aug-18*	0%																							
<b>Construction of remaining paths &amp; EVA</b>																														
IPA.AC.360	Open cut to formation & SRT & blinding	0			14-Jul-18	17-Jul-18	0%																							
IPA.AC.380	Lay kerbs	0			18-Jul-18	23-Jul-18	0%																							
IPA.AC.390	Lay path base	0			24-Jul-18	30-Jul-18	0%																							
IPA.AC.400	Lay path surface	0			31-Jul-18	07-Aug-18	0%																							
IPA.AC.410	Complete HCC scope and Ready for Handover of Area C to Park Contractor	0			08-Aug-18		0%																							
<b>DCS Plant Feeding CHW to Park Freespace Building</b>																														
<b>KD &amp; MS</b>																														
DCS-03	Commission DCS System and complete all works necessary to provide Chilled Water to Park	0				14-Sep-18*	0%																							
DCS-02	Energise Transformer Room TX C	0				20-Sep-18*	0%																							
DCS-01	Complete Installation of Cable Ducts for CLP Inspection	0				20-Jun-18 A	0%																							
<b>Construction</b>																														
DCS.170	Cable Laying (by CLP)	0			06-Aug-18	01-Sep-18	0%																							
DCS.220	Power On	0			03-Sep-18	20-Sep-18	0%																							
<b>U/G chilled water pipes</b>																														
DCS.110	Pipe Flushing incl. Testing and Commissioning	0			21-Jul-18*	14-Sep-18*	0%																							
DCS.200	Ready for final connection by Park	0				14-Sep-18	0%																							







# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June				July				August				September			
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09
PC-MTSA-	Carpet, linoleum & mats	216	14-Nov-17	09-Aug-18	03-Jul-18	18-Mar-19	83.85%																
<b>Procurement</b>																							
<b>Long Lead Items</b>																							
<b>Doors</b>																							
PC-MTPR-	Priority Doors (for Mechanical Rooms)	80	03-Nov-17	08-Feb-18	05-Sep-18	11-Dec-18	100%																
<b>Ironmongeries</b>																							
PC-MTPR-	Priority Door Ironmongeries (for Mechanical Rooms)	80	03-Nov-17	08-Feb-18	29-Aug-18	04-Dec-18	100%																
<b>Tiling Works</b>																							
PC-MTPR-	Other Tiling Areas	107	30-Jan-18	14-Jun-18	22-Aug-18	29-Dec-18	100%																
<b>Other Long Lead Items</b>																							
PC-MTPR-	FF&E Items (seating/ cushion, curtain, blinds, etc)	107	27-Oct-18	08-Mar-19	14-Jul-18	19-Nov-18	0%																
PC-MTPR-	Fixed & loose furniture	149	13-Dec-18	19-Jun-19	14-Jul-18	27-Dec-18	0%																
PC-MTPR-	Metal ceiling	80	29-Mar-18	09-Jul-18	13-Aug-18	17-Nov-18	90%																
PC-MTPR-	Security Shutters (Top mounted)	107	30-Jan-18	14-Jun-18	22-Aug-18	29-Dec-18	100%																
PC-MTPR-	Security shutters (Lateral sliding type)	80	23-Feb-18	04-Jun-18	12-Sep-18	18-Dec-18	100%																
PC-MTPR-	Glazing works	107	06-Apr-18	13-Aug-18	12-Sep-18	22-Jan-19	64.49%																
PC-MTPR-	Fire shutters	54	06-Mar-18	12-May-18	21-Sep-18	27-Nov-18	100%																
PC-MTPR-	Smoke curtain	54	06-Mar-18	12-May-18	21-Sep-18	27-Nov-18	100%																
<b>Construction</b>																							
<b>Seawater Outfall Pipe</b>																							
<b>Construction at CH0+86 to CH0+108</b>																							
<b>Construct Cofferdam &amp; Pipe works for Lead In (CH0+102 to CH0+108)</b>																							
A26880	Pressure Test	6	11-Jan-18	17-Jan-18	29-Jun-18	06-Jul-18	100%																
A26890	Back Filling to Ground Level	2	18-Jan-18	19-Jan-18	07-Jul-18	13-Jul-18	100%																
<b>Construction at CH0+0 to CH66</b>																							
<b>Trench Excavation &amp; Pipe works CH0+0 to CH0+32</b>																							
A27180	Pressure Test	6	26-Mar-18	04-Apr-18	29-Jun-18	06-Jul-18	100%																
A27160	Construct Bend Blocks	9	15-Mar-18	24-Mar-18	05-Jul-18	23-Jul-18	100%																
A27190	Back Filling to 1st layer Struts	1	06-Apr-18	06-Apr-18	07-Jul-18	07-Jul-18	100%																
A27200	Dismantle 1st Layer Struts & Walling	6	07-Apr-18	13-Apr-18	09-Jul-18	14-Jul-18	100%																
A27210	Back Filling to GL	1	14-Apr-18	14-Apr-18	16-Jul-18	16-Jul-18	100%																
<b>DCS Box (Portion M15&amp;M16)</b>																							
A27300	DCS Box complete	0		31-Oct-17		17-Jul-18	100%																
<b>Seawater Pump Cell</b>																							
<b>BME</b>																							
A58670	Install electrical & Control	56	11-Nov-17	19-Jan-18	20-Jun-18 A	28-Aug-18	100%																
A58680	Install Pump motor	29	04-Dec-17	10-Jan-18	12-Jul-18	15-Aug-18	100%																
A58690	Hydraulic Test of DI pipe	11	20-Mar-18	04-Apr-18	28-Aug-18	10-Sep-18	100%																
A58700	T&C of Sea water Pump	27	06-Apr-18	08-May-18	10-Sep-18	13-Oct-18	100%																
<b>Plumbing &amp; Drainage</b>																							
A58780	Install Sump Pump Panels	10	19-May-18	31-May-18	30-May-18 A	09-Jul-18	100%																
A58740	Install Sump Pumps	25	23-Oct-17	21-Nov-17	29-Jun-18	13-Jul-18	100%																
A58790	Hydraulic Test (Cleansing Pipes)	6	01-Jun-18	07-Jun-18	09-Jul-18	16-Jul-18	100%																
A58800	T&C of Sump Pumps	13	08-Jun-18	23-Jun-18	16-Jul-18	31-Jul-18	100%																
<b>Electrical Works</b>																							
A58880	Install MCB Board	10	14-Jul-18	25-Jul-18	30-May-18 A	05-Jul-18	0%																
A58900	T&C of Electrical Works	8	26-Jul-18	03-Aug-18	05-Jul-18	14-Jul-18	0%																
<b>Fire Service Works</b>																							
A58930	T&C of heat detection system	4	09-Aug-18	13-Aug-18	03-Jul-18	07-Jul-18	0%																
<b>Sewerage</b>																							
<b>Sewerage at Portion M01, Gridline A / 3-14</b>																							
A27940	HCC grant access to Park Contractor for SM100 construction	0	22-Nov-17		11-Sep-18		100%																
<b>MH F2.1E to MH F2.1D</b>																							
A28160	Construct Manholes F2.1E	6	08-Nov-17	14-Nov-17	25-Jul-18	17-Aug-18	100%																
A28170	Lay Sewerage Pipe between MH F2.1E to F2.1D (DN375mm) (Approx. 25m)	6	08-Nov-17	14-Nov-17	25-Jul-18	31-Aug-18	100%																
A28180	Pressure Test	3	15-Nov-17	17-Nov-17	01-Sep-18	05-Sep-18	100%																
A28190	Backfill to ground level	3	18-Nov-17	21-Nov-17	06-Sep-18	10-Sep-18	100%																
<b>Storm Drainage</b>																							
<b>Storm Drain DN1050 along Gridline A/14 (MH S2.8 to S2.9a to SE2.7)</b>																							
A28650	Lay DN1050 pipe from Manholes S2.8 to S2.9a to SE2.7 (Approx. 37m)	7	20-Jan-18	29-Jan-18	30-May-18 A	04-Jul-18	100%																
A28660	Pressure Test	3	29-Jan-18	01-Feb-18	04-Jul-18	07-Jul-18	100%																
A28670	Backfill to existing ground level	5	01-Feb-18	07-Feb-18	07-Jul-18	13-Jul-18	100%																
A28640	Construct Manhole S2.9a & SE2.7	11	08-Jan-18	20-Jan-18	30-May-18 A	06-Jun-18 A	100%																
<b>Storm Drain at Gridline M/13</b>																							
A28880	Excavate and lay 225 U-Channel Drain with Gully Trap	3	07-Nov-17	10-Nov-17	29-Jun-18	03-Jul-18	100%																
A28890	Excavate trench and lay 150DN Pipe from Gully Trap to MH S2.13	5	10-Nov-17	16-Nov-17	04-Jul-18	09-Jul-18	100%																
A28900	Backfill to existing ground level	1	16-Nov-17	17-Nov-17	10-Jul-18	10-Jul-18	100%																
<b>Storm Drain DN750 along Gridline A-B/14 (MH S2.9c to S2.9b to S2.9a)</b>																							





# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June					July					August				September				
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23	
<b>Cable Laying &amp; Testing (By Telco)</b>																										
A30990	Cable Laying & Testing (By Telco) @ GL M/14-12	2	30-Apr-18	03-May-18	14-Aug-18	15-Aug-18	100%																			
A30980	Cable Laying & Testing (By Telco) @ GL A-M/14	11	20-Apr-18	04-May-18	23-Aug-18	04-Sep-18	100%																			
<b>Backfilling and EVA</b>																										
<b>Backfilling</b>																										
A31080	Backfilling to +12.70mPD	16	04-Dec-17	21-Dec-17	14-Jul-18	02-Aug-18	100%																			
<b>Construction of EVA</b>																										
A31090	Construct EVA South of ICP (+5.00mPD)	8	24-May-18	02-Jun-18	09-Jul-18	18-Jul-18	100%																			
A31100	Construct EVA (+8.50mPD)	8	04-May-18	14-May-18	18-Sep-18	27-Sep-18	100%																			
A31110	Construct EVA (+10.50mPD)	9	14-May-18	25-May-18	28-Sep-18	09-Oct-18	100%																			
<b>Fuel Tank</b>																										
A31250	Excavate to Base Slab & Wall of Fuel Tank	11	20-Oct-17	02-Nov-17	29-Jun-18	12-Jul-18	100%																			
A31260	Construct Bottom Level of Fuel Oil Storage Tank	11	03-Nov-17	15-Nov-17	13-Jul-18	25-Jul-18	100%																			
A31270	Mechanical Fitting	16	16-Nov-17	04-Dec-17	26-Jul-18	13-Aug-18	100%																			
A38020	T&C of Fuel Oil Storage Tank	6	05-Dec-17	11-Dec-17	14-Aug-18	20-Aug-18	100%																			
A31280	Construct Top Level of Fuel Oil Storage Tank	13	12-Dec-17	28-Dec-17	21-Aug-18	04-Sep-18	100%																			
A31290	Backfill	11	29-Dec-17	11-Jan-18	05-Sep-18	17-Sep-18	100%																			
<b>M+ ABWF &amp; MEP</b>																										
<b>RC Structure Completion &amp; De-propping Date</b>																										
<b>M+ Basement &amp; Podium</b>																										
<b>B2/F</b>																										
<b>Scheduled De-propping</b>																										
AS-B2-10	Scheduled De-propping - Zone A4-A5 - B2F	11	25-Oct-17	07-Nov-17	29-Jun-18	13-Jul-18	100%																			
AS-B2-10	Scheduled De-propping - Zone D1 - B2F	11	22-Jan-18	02-Feb-18	03-Jul-18	14-Jul-18	100%																			
AS-B2-10	Scheduled De-propping - Zone U - RDE - B2F	11	20-Oct-17	02-Nov-17	05-Jul-18	19-Jul-18	100%																			
AS-B2-10	Scheduled De-propping - Zone C - B2F	11	11-Nov-17	24-Nov-17	06-Jul-18	19-Jul-18	100%																			
AS-B2-10	Scheduled De-propping - Zone H - B2F	11	04-Nov-17	16-Nov-17	06-Jul-18	19-Jul-18	100%																			
AS-B2-10	Scheduled De-propping - Zone Q - B2F	11	22-Jan-18	02-Feb-18	19-Jul-18	31-Jul-18	100%																			
AS-B2-10	Scheduled De-propping - Zone B - B2F	11	09-Feb-18	24-Feb-18	01-Sep-18	13-Sep-18	100%																			
<b>B1/F</b>																										
<b>RC Completion</b>																										
AS-B1-10	RC Completion - Zone A4-A5 - B1F (GL 2-7/D-H)	0		25-Oct-17		29-Jun-18	100%	◆ RC Completion - Zone A4-A5 - B1F (GL 2-7/D-H)																		
AS-B1-10	RC Completion - Zone D1 - B1F @ GL 7'-4/K-M	0		22-Jan-18		03-Jul-18	100%	◆ RC Completion - Zone D1 - B1F @ GL 7'-4/K-M																		
AS-B1-10	RC Completion - Zone H - B1F @ GL 11-14/K-M	0		04-Nov-17		06-Jul-18	100%	◆ RC Completion - Zone H - B1F @ GL 11-14/K-M																		
AS-B1-10	RC Completion - Zone J - B1F @ GL 12-14/G-H	0		23-May-18		17-Jul-18	100%	◆ RC Completion - Zone J - B1F @ GL 12-14/G-H																		
AS-B1-10	RC Completion - Zone Q - B1F @ GL 6-7/E-F	0		22-Jan-18		18-Jul-18	100%	◆ RC Completion - Zone Q - B1F @ GL 6-7/E-F																		
AS-B1-10	(no B1) RC Completion - Zone B - B1F @ GL 6-7/E-J	0		03-Jan-18		25-Jul-18	100%	(no B1) RC Completion - Zone B - B1F @ GL 6-7/E-J																		
AS-B1-10	RC Completion - Zone K & L - B1F @ GL 8-10/H-K, GL 12/G-H	0		28-Apr-18		02-Aug-18	100%	◆ RC Completion - Zone K & L - B1F @ GL 8-10/H-K, GL 12/G-H																		
<b>Scheduled De-propping</b>																										
AS-B1-10	Scheduled De-propping - Zone U - RDE - B1F (GL 1'-6'/F'-J')	11	01-Nov-17	14-Nov-17	29-Jun-18	12-Jul-18	100%																			
AS-B1-10	Scheduled De-propping - Zone T - CSF - B1F (GL 1'-6'/A'-F')	11	20-Oct-17	02-Nov-17	29-Jun-18	06-Jul-18	100%																			
AS-B1-10	Scheduled De-propping - Zone E1 - B1F (GL 8-11/C-D)	11	16-Mar-18	29-Mar-18	29-Jun-18	12-Jul-18	100%																			
AS-B1-10	Scheduled De-propping - Zone E - B1F (GL 8-11/A-C)	11	28-Nov-17	11-Dec-17	29-Jun-18	12-Jul-18	100%																			
AS-B1-10	Scheduled De-propping - Zone S - B1F	11	18-Nov-17	01-Dec-17	29-Jun-18	13-Jul-18	100%																			
AS-B1-10	Scheduled De-propping - Zone H - B1F (GL 11-14/K-M)	11	05-Dec-17	16-Dec-17	06-Jul-18	19-Jul-18	100%																			
AS-B1-10	Scheduled De-propping - Zone A4-A5 - B1F	11	25-Nov-17	08-Dec-17	12-Jul-18	26-Jul-18	100%																			
AS-B1-10	Scheduled De-propping - Zone D1 - B1F GL (7'-4/K-M)	11	23-Feb-18	07-Mar-18	20-Jul-18	02-Aug-18	100%																			
AS-B1-10	(no B1) Scheduled De-propping - Zone B - B1F (GL 5-7/E-J)	11	03-Jan-18	15-Jan-18	26-Jul-18	07-Aug-18	100%																			
AS-B1-10	Scheduled De-propping - Zone G - B1F (GL 11-14/A-H)	11	28-May-18	08-Jun-18	02-Aug-18	15-Aug-18	100%																			
AS-B1-10	Scheduled De-propping - Zone Q - B1F (GL 5-7/D-F)	11	09-Feb-18	24-Feb-18	07-Aug-18	18-Aug-18	100%																			
AS-B1-10	Scheduled De-propping - Zone J - B1F (GL 12-14/G-H)	11	28-Jun-18	12-Jul-18	18-Aug-18	30-Aug-18	1.04%																			
AS-B1-10	Scheduled De-propping - Zone F - B1F	11	01-Jun-18	13-Jun-18	10-Sep-18	22-Sep-18	100%																			
AS-B1-10	Scheduled De-propping - Zone A1-A3 - B1F (GL 2-7/A-D)	11	03-Nov-17	16-Nov-17	13-Sep-18	27-Sep-18	100%																			
AS-B1-10	Scheduled De-propping - Zone K & L - B1F (GL 8-10/H-K, GL 12/G-H)	11	11-Jul-18	23-Jul-18	22-Sep-18	08-Oct-18	0%																			
<b>LG/F</b>																										
<b>Scheduled De-propping</b>																										
AS-LG-10	Scheduled De-propping - CSF - LGF (GL 1'-6'/D'-J')	11	02-Nov-17	15-Nov-17	29-Jun-18	12-Jul-18	100%																			
AS-LG-10	Scheduled De-propping - RDE - LGF (GL 1'-6'/F'-J')	11	02-Jan-18	15-Jan-18	29-Jun-18	12-Jul-18	100%																			
<b>G/F</b>																										
<b>RC Completion</b>																										
AS-GF-10	RC Completion - Zone A5 GF (3F GL 4-6/E-H)	0		30-Oct-17		12-Jul-18	100%	◆ RC Completion - Zone A5 GF (3F GL 4-6/E-H)																		
AS-GF-10	RC Completion - Zone D1 GF (3F GL 1-5/K-M)	0		23-Feb-18		20-Jul-18	100%	◆ RC Completion - Zone D1 GF (3F GL 1-5/K-M)																		
AS-GF-10	RC Completion - Zone S and R (EVA Area)	0		29-Mar-18		01-Aug-18	100%	◆ RC Completion - Zone S and R (EVA Area)																		
AS-GF-10	RC Completion - Zone G - GF (GL 11-14/A-H)	0		28-May-18		02-Aug-18	100%	◆ RC Completion - Zone G - GF (GL 11-14/A-H)																		
AS-GF-10	RC Completion - Zone C GF (GL 1-5/H-K)	0		26-Feb-18		06-Aug-18	100%	◆ RC Completion - Zone C GF (GL 1-5/H-K)																		
AS-GF-10	RC Completion - Zone Q - GF	0		09-Feb-18		06-Aug-18	100%	◆ RC Completion - Zone Q - GF																		
AS-GF-10	RC Completion - Zone J GF (3F GL 11-14/H-F)	0		28-Jun-18		17-Aug-18	100%	◆ RC Completion - Zone J GF (3F GL 11-14/H-F)																		
AS-GF-10	RC Completion - Zone F - GF	0		01-Jun-18		10-Sep-18	100%	◆ RC Completion - Zone F - GF																		



# Three Months Rolling Programme (3MRP) - Mth 33 30 June 2018

Activity ID	Activity Name	CMWP Dur.	CMWP - R0(D8) Start	CMWP - R0(D8) Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	June					July					August				September						
								33					34					35				36						
								27	03	10	17	24	01	08	15	22	29	05	12	19	26	02	09	16	23			
<b>M+ Tower RC Structure</b>																												
AS-M+10050	9/F Curing & Falseworks Stripping	0		30-Apr-18		29-Jun-18	100%	9/F Curing & Falseworks Stripping,																				
AS-M+10070	11/F Curing & Falseworks Stripping	0		30-May-18		29-Jun-18	100%	11/F Curing & Falseworks Stripping,																				
AS-M+10090	12/F Curing & Falseworks Stripping	0		13-Jun-18		10-Jul-18	100%	12/F Curing & Falseworks Stripping,																				
AS-M+10110	13/F Curing & Falseworks Stripping	0		28-Jun-18		01-Aug-18	100%	13/F Curing & Falseworks Stripping,																				
AS-M+10120	14/F Curing & Falseworks Stripping	0		14-Jul-18		18-Aug-18	0%	14/F Curing & Falseworks Stripping,																				
AS-M+10140	15/F Curing & Falseworks Stripping	0		30-Jul-18		05-Sep-18	0%	15/F Curing & Falseworks Stripping,																				
AS-M+10160	16/F Curing & Falseworks Stripping	0		14-Aug-18		22-Sep-18	0%	16/F Curing & Falseworks Stripping,																				
AS-M+10060	10/F Curing & Falseworks Stripping	0		15-May-18		30-May-18 A	100%	10/F Curing & Falseworks Stripping																				
<b>CSF RC Structure</b>																												
AS-CS-10060	6/F Curing & Falseworks Stripping	0		29-Jan-18		03-Jul-18	100%	6/F Curing & Falseworks Stripping,																				
AS-CS-10070	7/F Curing & Falseworks Stripping	0		14-Feb-18		24-Jul-18	100%	7/F Curing & Falseworks Stripping,																				
AS-CS-10080	8/F to +61mPD Curing & Falseworks Stripping	0		06-Mar-18		21-Aug-18	100%	8/F to +61mPD Curing & Falseworks Stripping,																				
AS-CS-10050	5/F Curing & Falseworks Stripping	0		12-Jan-18		29-May-18 A	100%	5/F Curing & Falseworks Stripping																				
<b>RDE RC Structure</b>																												
AS-RD-1001	5/F Curing & Falseworks Stripping	0		24-Feb-18		29-Jun-18	100%	5/F Curing & Falseworks Stripping,																				
AS-RD-1001	6/F Curing & Falseworks Stripping	0		13-Mar-18		09-Jul-18	100%	6/F Curing & Falseworks Stripping,																				
AS-RD-1001	7/F Curing & Falseworks Stripping	0		29-Mar-18		26-Jul-18	100%	7/F Curing & Falseworks Stripping,																				
AS-RD-1001	8/F Curing & Falseworks Stripping	0		19-Apr-18		13-Aug-18	100%	8/F Curing & Falseworks Stripping,																				
AS-RD-1001	9/F Curing & Falseworks Stripping	0		07-May-18		29-Aug-18	100%	9/F Curing & Falseworks Stripping,																				
AS-RD-1011	10/F Curing & Falseworks Stripping	0		24-May-18		10-Sep-18	100%	10/F Curing & Falseworks Stripping,																				
AS-RD-1011	11/F Curing & Falseworks Stripping	0		09-Jun-18		24-Sep-18	100%	11/F Curing & Falseworks Stripping,																				
<b>Watertight Achieved</b>																												
<b>M+ Podium</b>																												
WA-PD-10	Zone A Facade Installation Completed (2F GL1-8/A & 1/A-H)	0		07-Mar-18		27-Aug-18	100%	Zone A Facade Installation Completed (2F GL1-8/A & 1/A-H)																				
WA-PD-10	Zone M Facade Installation Completed (2F GL7-8/A-D)	0		18-May-18		28-Aug-18	100%	Zone M Facade Installation Completed (2F GL7-8/A-D)																				
WA-PD-10	Zone P Plaza Skylight Installation Completed (3F GL6-7/E-H - FAC-SK-01,02)	0		29-Mar-18		08-Sep-18	100%	Zone P Plaza Skylight Installation Completed (3F GL6-7/E-H - FAC-SK-01,02)																				
<b>Provisional Items Cost Centre G (FS / OP non related items tentative for reference only)</b>																												
<b>1A) Fixed &amp; loose furniture at Conservation &amp; Storage Facilities</b>																												
P1A6000	CAI for Fixed & loose furniture at Conservation & Storage Facilities	0				29-Jun-18	0%	CAI for Fixed & loose furniture at Conservation & Storage Facilities, 29-Jun-18																				
P1A6010	Fixed & loose furniture at Conservation & Storage Facilities subletting	0				08-Jul-18	24-Aug-18	0%	P1A6010																			
P1A6050	Fixed & loose furniture at Conservation & Storage Facilities Design/Shop drawing submit & approval	0				25-Aug-18	06-Jun-19	0%	P1A6050																			
<b>1B) Fixed &amp; loose furniture at M+ Tower</b>																												
P1B6000	CAI for Fixed & loose furniture at M+ Tower	0				29-Jun-18	0%	CAI for Fixed & loose furniture at M+ Tower, 29-Jun-18																				
P1B6010	Fixed & loose furniture at M+ Tower subletting	0				08-Jul-18	24-Aug-18	0%	P1B6010																			
P1B6060	Fixed & loose furniture at M+ Tower Design/Shop drawing submit & approval	0				25-Aug-18	08-Jun-19	0%	P1B6060																			
<b>1C) Fixed &amp; loose furniture at M+ Galleries</b>																												
P1C6000	CAI for Fixed & loose furniture at M+ Galleries	0				29-Jun-18	0%	CAI for Fixed & loose furniture at M+ Galleries, 29-Jun-18																				
P1C6010	Fixed & loose furniture at M+ Galleries subletting	0				08-Jul-18	24-Aug-18	0%	P1C6010																			
P1C6050	Fixed & loose furniture at M+ Galleries Design/Shop drawing submit & approval	0				25-Aug-18	08-Jun-19	0%	P1C6050																			
<b>1D) Juke Box equipment system &amp; machinery</b>																												
P1D6000	CAI for Juke Box equipment system & machinery	0				29-Jun-18	0%	CAI for Juke Box equipment system & machinery, 29-Jun-18																				
P1D6010	Juke Box equipment system & machinery subletting	0				08-Jul-18	24-Aug-18	0%	P1D6010																			
P1D6060	Fixed & loose furniture at M+ Galleries Design/Shop drawing submit & approval	0				25-Aug-18	08-Jun-19	0%	P1D6060																			
<b>1E) Fixed &amp; loose furniture for Learning Centre</b>																												
P1E6000	CAI for Fixed & loose furniture for Learning Centre	0				29-Jun-18	0%	CAI for Fixed & loose furniture for Learning Centre, 29-Jun-18																				
P1E6010	Fixed & loose furniture for Learning Centre subletting	0				08-Jul-18	24-Aug-18	0%	P1E6010																			
P1E6060	Fixed & loose furniture at M+ Galleries Design/Shop drawing submit & approval	0				25-Aug-18	08-Jun-19	0%	P1E6060																			
<b>1F) Fixed &amp; loose furniture for Moving Image Centre</b>																												
P1F6000	CAI for Fixed & loose furniture for Moving Image Centre	0				29-Jun-18	0%	CAI for Fixed & loose furniture for Moving Image Centre, 29-Jun-18																				
P1F6010	Fixed & loose furniture for Moving Image Centre subletting	0				08-Jul-18	24-Aug-18	0%	P1F6010																			
P1F6070	Fixed & loose furniture for Moving Image Centre Design/Shop drawing submit & approval	0				25-Aug-18	08-Jun-19	0%	P1F6070																			
<b>1G) Fixed &amp; loose furniture at M+ Workshop &amp; BOH Area</b>																												
P1G6000	CAI for Fixed & loose furniture at M+ Workshop & BOH Area	0				29-Jun-18	0%	CAI for Fixed & loose furniture at M+ Workshop & BOH Area, 29-Jun-18																				
P1G6010	Fixed & loose furniture at M+ Workshop & BOH Area subletting	0				08-Jul-18	24-Aug-18	0%	P1G6010																			
P1G6080	Fixed & loose furniture at M+ Workshop & BOH Area Design/Shop drawing submit & approval	0				25-Aug-18	08-Jun-19	0%	P1G6080																			
<b>1H) Fitting out works for cafes at B1/F &amp; L3/F</b>																												
P1H6000	CAI for Fitting out works for cafes at B1/F & L3/F	0				29-Jun-18	0%	CAI for Fitting out works for cafes at B1/F & L3/F, 29-Jun-18																				
P1H6010	Fitting out works for cafes at B1/F & L3/F subletting	0				08-Jul-18	24-Aug-18	0%	P1H6010																			
P1H6090	Fitting out works for cafes at B1/F & L3/F Design/Shop drawing submit & approval	0				25-Aug-18	08-Jun-19	0%	P1H6090																			
<b>1J) Compliance of statutory requirement for food license works for Cafes at B1/F &amp; L3/F</b>																												
P1J6000	CAI for Compliance of statutory requirement for food license works for Cafes at B1/F & L3/F	0				29-Jun-18	0%	CAI for Compliance of statutory requirement for food license works for Cafes at B1/F & L3/F, 29-Jun-18																				
P1J6010	Compliance of statutory requirement for food license works for Cafes at B1/F & L3/F	0				08-Jul-18	22-Dec-18	0%	P1J6010																			
<b>1K) Fixed &amp; loose furniture at M+ Shop including Espresso Bar</b>																												
P1K6000	CAI for Fixed & loose furniture at M+ Shop including Espresso Bar	0				29-Jun-18	0%	CAI for Fixed & loose furniture at M+ Shop including Espresso Bar, 29-Jun-18																				
P1K6010	Fixed & loose furniture at M+ Shop including Espresso Bar subletting	0				08-Jul-18	24-Aug-18	0%	P1K6010																			
P1K6100	Fixed & loose furniture at M+ Shop including Espresso Bar Design/Shop drawing submit & approval	0				25-Aug-18	08-Jun-19	0%	P1K6100																			
<b>2A) Non digital way-finding signage &amp; digital signage</b>																												





# **Lyric Theatre Complex**

Activity ID	Activity Name	Start Date	Finish Date	2018			
				Aug 8	Sep 9	Oct 10	Nov 11
<b>L1 Contract for Lyric Theatre Complex (3MRP)</b>							
<b>Cost Centre B - Excavation and Lateral Support (ELS) Stage 2</b>							
<b>Excavation and ELS Works (Stage 2)</b>							
<b>Area 1</b>							
CB161450	Area 1: Excavate to -3.0mPD	10-Sep-18*	22-Sep-18				
CB161460	Area 1: Install Waling & Strut Layer S3	24-Sep-18	12-Oct-18				
CB161470	Area 1: Excavate to -6.1mPD	13-Oct-18	31-Oct-18				
CB161480	Area 1: Install Waling & Strut Layer S4	01-Nov-18	17-Nov-18				
CB161490	Area 1: Excavate to -9.0, -11.3, -14.2 w/ soil Berm	19-Nov-18	05-Dec-18*				
<b>Area 2</b>							
CB162440	Area 2: Install Waling & Strut Layer S2	13-Jul-18 A	06-Aug-18 A				
CB162450	Area 2: Excavate to -3.0mPD	17-Sep-18	02-Oct-18				
CB162460	Area 2: Install Waling & Strut Layer S3	03-Oct-18	20-Oct-18				
CB162470	Area 2: Area 2: Excavate to -6.1mPD	22-Oct-18	07-Nov-18				
CB162480	Area 2: Install Waling & Strut Layer S4	08-Nov-18	24-Nov-18				
CB162490	Area 2: Excavate to -9.0, -11.3, -14.2 w/ soil Berm	26-Nov-18	12-Dec-18*				
<b>Area 3</b>							
CB163440	Area 3: Install Waling & Strut Layer S2	18-Jul-18 A	14-Aug-18 A				
CB163450	Area 3: Excavate to -3.0mPD	24-Sep-18	12-Oct-18				
CB163460	Area 3: Install Waling & Strut Layer S3	13-Oct-18	31-Oct-18				
CB163470	Area 3: Excavate to -6.1mPD	01-Nov-18	17-Nov-18				
CB163480	Area 3: Install Waling & Strut Layer S4	19-Nov-18	08-Dec-18				
<b>Area 4</b>							
CB164440	Area 4: Install Waling & Strut Layer S2	03-Aug-18 A	01-Sep-18				
CB164450	Area 4: Excavate to -3.0mPD	13-Oct-18	31-Oct-18				
CB164460	Area 4: Install Waling & Strut Layer S3	01-Nov-18	17-Nov-18				
CB164470	Area 4: Excavate to -6.1mPD	19-Nov-18	05-Dec-18				

Activity ID	Activity Name	Start Date	Finish Date	2018			
				Aug 8	Sep 9	Oct 10	Nov 11
<b>Cost Centre C - Basement</b>							
<b>Cost Centre C1 - Essential Basement Structure (Excl. AET Protection &amp; Box Culvert)</b>							
<b>Area 6</b>							
CC106110	B1-A1a: Pile Head Treatment / Blinding / Pile Cap / Slab	09-Jun-18 A	22-Sep-18				
CC106210	B1-A2a: Pile Head Treatment / Blinding / Pile Cap / Slab	13-Jun-18 A	13-Oct-18				
CC106120	B1-A1b: Pile Head Treatment / Blinding / Pile Cap / Slab	03-Jul-18 A	29-Sep-18				
CC106220	B1-A2b: Pile Head Treatment / Blinding / Pile Cap / Slab	23-Jul-18 A	13-Oct-18				
CC106510	B1-A5: Pile Head Treatment / Blinding / Pile Cap / Slab	07-Aug-18 A	13-Oct-18				
CC106410	B1-A4: Pile Head Treatment / Blinding / Pile Cap / Slab	10-Sep-18	24-Oct-18				
CC106310	B1-A3: Pile Head Treatment / Blinding / Pile Cap / Slab	24-Sep-18	07-Nov-18				
<b>Cost Centre D - Public Infrastructure Works (PIW)</b>							
<b>Cost Centre D2 - Austin Road West Lay-by</b>							
<b>MC30-Ch.160 to MC30-Ch.150 (MH EAR 2.18a to SF_1.4)</b>							
CD201460	MC30 Ch.150-Ch.170: Install Drainage bet. MH EAR_2.18 to SF_1.4)	25-Jul-18 A	09-Aug-18 A				
CD201470	MC30 Ch.150-Ch.170:Construct Manhole SF_1.4	25-Jul-18 A	29-Aug-18 A				
<b>MC30-Ch.150 to MC30-Ch.100 (MH SF_1.4 to SF_1.3)</b>							
CD201320	MC30 CH100-Ch150: Install Sheet Pile Wall	25-Jul-18 A	18-Aug-18 A				
CD201330	MC30 CH100-Ch150:Excavation & ELS	07-Aug-18 A	31-Aug-18 A				
CD201340	MC30 CH30-Ch40: Install Drainage Pipe (bet. MH SF_1.4 to MH SF_1.3)	16-Aug-18 A	08-Sep-18				
CD201350	MC30 CH30-Ch40: Construct Manhole SF_1.3	10-Sep-18	02-Oct-18*				
<b>MC30-Ch.100 to MC30-Ch.60 (MH SF_1.3 to SF1.2)</b>							
CD201210	MC30 CH60-Ch100: Excavation for Trail Trench	16-Aug-18 A	25-Aug-18 A				
CD201220	MC30 CH60-Ch100: Install Sheet Pile Wall	24-Aug-18 A	21-Sep-18				
CD201230	MC30 CH60-Ch100: Excavation & ELS	14-Sep-18	06-Oct-18				
CD201240	MC30 CH60-Ch100: Install Drainage Pipe (bet. MH SF_1.3 to MH SF_1.2)	08-Oct-18	22-Oct-18				
CD201250	MC30 CH60-Ch100: Construct Manhole SF_1.2	23-Oct-18	12-Nov-18*				

Activity ID	Activity Name	Start Date	Finish Date	2018			
				Sep 9	Oct 10	Nov 11	Dec 12
<b>L1 Contract for Lyric Theatre Complex (3MRP)</b>							
<b>Cost Centre B - Excavation and Lateral Support (ELS) Stage 2</b>							
<b>Excavation and ELS Works (Stage 2)</b>							
<b>Remedial Works</b>							
CBR1010	TAM Grout (Drilling & Grouting) Stage 1	08-Sep-18 A	02-Oct-18				
CBR1020	TAM Grout (Drilling & Grouting) Stage 2	20-Sep-18 A	05-Oct-18				
<b>Area 1</b>							
CB161459	Area 1: Excavate to -3.0mPD (works resume)	06-Oct-18	12-Oct-18				
CB161460	Area 1: Install Waling & Strut Layer S3	13-Oct-18	31-Oct-18				
CB161470	Area 1: Excavate to -6.1mPD	01-Nov-18	17-Nov-18				
CB161480	Area 1: Install Waling & Strut Layer S4	19-Nov-18	05-Dec-18				
CB161490	Area 1: Excavate to -9.0, -11.3, -14.2 w/ soil Berm	06-Dec-18	22-Dec-18				
<b>Area 2</b>							
CB162459	Area 2: Excavate to -3.0mPD (works resume)	11-Oct-18	18-Oct-18				
CB162460	Area 2: Install Waling & Strut Layer S3	19-Oct-18	05-Nov-18				
CB162470	Area 2: Area 2: Excavate to -6.1mPD	06-Nov-18	22-Nov-18				
CB162480	Area 2: Install Waling & Strut Layer S4	23-Nov-18	10-Dec-18				
CB162490	Area 2: Excavate to -9.0, -11.3, -14.2 w/ soil Berm	11-Dec-18	29-Dec-18*				
<b>Area 3</b>							
CB163450	Area 3: Excavate to -3.0mPD (works suspended)	13-Oct-18	31-Oct-18				
CB163460	Area 3: Install Waling & Strut Layer S3	01-Nov-18	17-Nov-18				
CB163470	Area 3: Excavate to -6.1mPD	19-Nov-18	05-Dec-18				
CB163480	Area 3: Area 3: Install Waling & Strut Layer S4	06-Dec-18	28-Dec-18				
CB163490	Area 3 Excavate to Formation Level -9.6mPD	24-Dec-18	19-Jan-19				
<b>Area 4</b>							
CB164450	Area 4: Excavate to -3.0mPD	01-Nov-18	17-Nov-18				
CB164460	Area 4: Install Waling & Strut Layer S3	19-Nov-18	05-Dec-18				
CB164470	Area 4: Excavate to -6.1mPD	06-Dec-18	22-Dec-18				
CB164480	Area 4: Install Waling & Strut Layer S4	29-Dec-18	19-Jan-19				

Remaining Work  
 Critical Remaining Work  
 Actual Work  
 Milestone

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**West Kowloon Cultural District Authority**  
**L1 Contract for Lyric Theatre Complex & Extended Basement**  
**Three Month Rolling Programme (3MRP) - Status as of 30 Sep 2018**



Activity ID	Activity Name	Start Date	Finish Date	2018			
				Sep 9	Oct 10	Nov 11	Dec 12
<b>Cost Centre C - Basement</b>							
<b>Cost Centre C1 - Essential Basement Structure (Excl. AET Protection &amp; Box Culvert)</b>							
CC102305	[Area 6 - L06] Trim / Make Good to Formation Level (Bulk Excavation by Others)	01-Jun-18 A	03-Sep-18 A	■			
CC102310	[Area 6 - L06] Pile Head Treatment (22 nr BP)	17-Jul-18 A	13-Oct-18	■	■		
CC102320	[Area 6 - L06] Blinding Layer for Pile Cap / B1 Slab	12-Jun-18 A	22-Oct-18	■	■		
CC102400	[Area 6 - L06] Construct Pile Cap / B1 Slab	15-Sep-18 A	29-Nov-18		■	■	
CC102401a	[Area 6 - L06] Construct Pile Cap / B1 Slab - 1a	15-Sep-18 A	25-Oct-18	■	■		
CC102401b	[Area 6 - L06] Construct Pile Cap / B1 Slab - 1b	04-Oct-18	25-Oct-18		■		
CC102402a	[Area 6 - L06] Construct Pile Cap / B1 Slab - 2a	12-Sep-18 A	15-Nov-18	■	■		
CC102402b	[Area 6 - L06] Construct Pile Cap / B1 Slab - 2B	26-Oct-18	15-Nov-18		■		
CC102403	[Area 6 - L06] Construct Pile Cap / B1 Slab - 3	09-Nov-18	29-Nov-18			■	
CC102404	[Area 6 - L06] Construct Pile Cap / B1 Slab - 4	09-Nov-18	29-Nov-18			■	
CC102405	[Area 6 - L06] Construct Pile Cap / B1 Slab - 2a	09-Nov-18	29-Nov-18			■	
<b>Cost Centre D - Public Infrastructure Works (PIW)</b>							
<b>Cost Centre D2 - Austin Road West Lay-by</b>							
<b>Cost Centre D2.2 Drainage</b>							
<b>MC30-Ch.170 to MC30-Ch.00</b>							
<b>MC30-Ch.150 to MC30-Ch.100 (MH SF_1.4 to SF_1.3)</b>							
CD2201:	MC30-Ch170-00: 1350mm dia Drainage (SF1.4 to SF1.3) - Install Drainage	17-Jul-18 A	14-Sep-18 A	■			
CD2201:	MC30-Ch170-00: 1350mm dia Drainage (SF1.4 to SF1.3) - Construct Manhole	11-Sep-18 A	20-Sep-18 A	■			
<b>MC30-Ch.100 to MC30-Ch.60 (MH SF_1.3 to SF1.2)</b>							
CD2201:	MC30-Ch170-00: 1350mm dia Drainage (SF1.3 to SF1.2) - Sheet Pile	24-Aug-18 A	20-Sep-18 A	■			
CD2201:	MC30-Ch170-00: 1350mm dia Drainage (SF1.3 to SF1.2) - Excavation & ELS	14-Sep-18 A	16-Oct-18	■	■		
CD2201:	MC30-Ch170-00: 1350mm dia Drainage (SF1.3 to SF1.2) - Install Drainage	26-Sep-18 A	27-Oct-18	■	■		
CD2201:	MC30-Ch170-00: 1350mm dia Drainage (SF1.3 to SF1.2) - Construct Manhole	29-Oct-18	17-Nov-18		■		
<b>MC30-Ch.60 to MC30-Ch.40 (MH SF_1.2 to SF_1.2B)</b>							
CD2201:	MC30-Ch170-00: 1350mm dia Drainage (SF1.2 to SF1.2B) - Sheet Pile	19-Nov-18	08-Dec-18			■	
CD2201:	MC30-Ch170-00: 1350mm dia Drainage (SF1.2 to SF1.2B) - Excavation & ELS	03-Dec-18	22-Dec-18				■
CD2201:	MC30-Ch170-00: 1350mm dia Drainage (SF1.2 to SF1.2B) - Install Drainage	17-Dec-18	02-Jan-19				■
CD2201:	MC30-Ch170-00: 1350mm dia Drainage (SF1.2 to SF1.2B) - Construct Manhole	24-Dec-18	16-Jan-19				■

Remaining Work Critical Remaining Work Actual Work Milestone	Project ID: L13MRP-20180930 Layout: L1-3MRP (Env) Page: 2 of 2	<b>West Kowloon Cultural District Authority</b> <b>L1 Contract for Lyric Theatre Complex &amp; Extended Basement</b> <b>Three Month Rolling Programme (3MRP) - Status as of 30 Sep 2018</b>	
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Activity ID	Activity Name	Start Date	Finish Date	2018			2019
				Oct 10	Nov 11	Dec 12	Jan 13
<b>L1 Contract for Lyric Theatre Complex (3MRP)</b>							
<b>Cost Centre B - Excavation and Lateral Support (ELS) Stage 2</b>							
<b>Excavation and ELS Works (Stage 2)</b>							
<b>Remedial Works</b>							
CBRW1010	TAM Grout (Drilling & Grouting) Stage 1	08-Sep-18 A	05-Oct-18 A	■			
CBRW1020	TAM Grout (Drilling & Grouting) Stage 2	20-Sep-18 A	12-Oct-18 A	■			
CBRW1060	BD Reiview & Approval	05-Oct-18 A	25-Oct-18 A	■			
<b>Area 1</b>							
CB161459	Area 1: Excavate to -3.0mPD (works resume)	26-Oct-18 A	07-Nov-18	■			
CB161460	Area 1: Install Waling & Strut Layer S3	08-Nov-18	24-Nov-18		■		
CB161470	Area 1: Excavate to -6.1mPD	26-Nov-18	12-Dec-18			■	
CB161480	Area 1: Install Waling & Strut Layer S4	13-Dec-18	02-Jan-19			■	
CB161490	Area 1: Excavate to -9.0, -11.3, -14.2 w/ soil Berm	03-Jan-19	19-Jan-19				■
<b>Area 2</b>							
CB162459	Area 2: Excavate to -3.0mPD (works resume)	26-Oct-18 A	15-Nov-18	■			
CB162460	Area 2: Install Waling & Strut Layer S3	17-Nov-18	04-Dec-18		■		
CB162470	Area 2: Area 2: Excavate to -6.1mPD	05-Dec-18	21-Dec-18			■	
CB162480	Area 2: Install Waling & Strut Layer S4	22-Dec-18	11-Jan-19			■	
CB162490	Area 2: Excavate to -9.0, -11.3, -14.2 w/ soil Berm	12-Jan-19	29-Jan-19*				■
<b>Area 3</b>							
CB163450	Area 3: Excavate to -3.0mPD	14-Nov-18	30-Nov-18		■		
CB163460	Area 3: Install Waling & Strut Layer S3	01-Dec-18	18-Dec-18			■	
CB163470	Area 3: Excavate to -6.1mPD	19-Dec-18	08-Jan-19			■	
CB163480	Area 3: Area 3: Install Waling & Strut Layer S4	09-Jan-19	29-Jan-19				■
CB163490	Area 3 Excavate to Formation Level -9.6mPD	26-Jan-19	22-Feb-19				■
<b>Area 4</b>							
CB164450	Area 4: Excavate to -3.0mPD	01-Dec-18	18-Dec-18			■	
CB164460	Area 4: Install Waling & Strut Layer S3	19-Dec-18	08-Jan-19			■	
CB164470	Area 4: Excavate to -6.1mPD	09-Jan-19	25-Jan-19				■
CB164480	Area 4: Install Waling & Strut Layer S4	30-Jan-19	22-Feb-19				■

Activity ID	Activity Name	Start Date	Finish Date	2018			2019
				Oct 10	Nov 11	Dec 12	Jan 13
<b>Cost Centre C - Basement</b>							
<b>Cost Centre C1 - Essential Basement Structure (Excl. AET Protection &amp; Box Culvert)</b>							
CC102310	[Area 6 - L06] Pile Head Treatment (22 nr BP)	17-Jul-18 A	12-Oct-18 A				
CC102401a	[Area 6 - L06] Construct Pile Cap / B1 Slab - 1a	27-Aug-18 A	19-Oct-18 A				
CC102402a	[Area 6 - L06] Construct Pile Cap / B1 Slab - 2a	12-Sep-18 A	12-Nov-18				
CC102405	[Area 6 - L06] Construct Pile Cap / B1 Slab -5	13-Sep-18 A	17-Nov-18				
CC102401b	[Area 6 - L06] Construct Pile Cap / B1 Slab - 1b	10-Oct-18 A	15-Nov-18				
CC102402b	[Area 6 - L06] Construct Pile Cap / B1 Slab - 2B	19-Oct-18 A	17-Nov-18				
CC102403	[Area 6 - L06] Construct Pile Cap / B1 Slab - 3	09-Nov-18	29-Nov-18				
CC102404	[Area 6 - L06] Construct Pile Cap / B1 Slab - 4	09-Nov-18	29-Nov-18				
<b>Cost Centre D - Public Infrastructure Works (PIW)</b>							
<b>Cost Centre D2 - Austin Road West Lay-by</b>							
<b>Cost Centre D2.2 Drainage</b>							
<b>MC30-Ch.170 to MC30-Ch.00</b>							
<b>MC30-Ch.100 to MC30-Ch.60 (MH SF_1.3 to SF1.2)</b>							
CD220144	MC30-Ch170-00: 1350mm dia Drainage (SF1.3 to SF1.2) - Excavation & ELS	14-Sep-18 A	03-Oct-18 A				
CD220146	MC30-Ch170-00: 1350mm dia Drainage (SF1.3 to SF1.2) - Install Drainage	26-Sep-18 A	31-Oct-18 A				
CD220148	MC30-Ch170-00: 1350mm dia Drainage (SF1.3 to SF1.2) - Construct Manhole	10-Oct-18 A	14-Nov-18				
<b>MC30-Ch.60 to MC30-Ch.40 (MH SF_1.2 to SF_1.2B)</b>							
CD220152	MC30-Ch170-00: 1350mm dia Drainage (SF1.2 to SF1.2B) - Sheet Pile	22-Oct-18 A	14-Nov-18				
CD220154	MC30-Ch170-00: 1350mm dia Drainage (SF1.2 to SF1.2B) - Excavation & ELS	15-Nov-18	12-Dec-18				
CD220156	MC30-Ch170-00: 1350mm dia Drainage (SF1.2 to SF1.2B) - Install Drainage	13-Dec-18	05-Jan-19				
CD220158	MC30-Ch170-00: 1350mm dia Drainage (SF1.2 to SF1.2B) - Construct Manhole	29-Dec-18	19-Jan-19				

Remaining Work  
 Critical Remaining Work  
 Actual Work  
 Milestone

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**West Kowloon Cultural District Authority**  
**L1 Contract for Lyric Theatre Complex & Extended Basement**  
**Three Month Rolling Programme (3MRP) - Status as of 31 Oct 2018**





## **C. Environmental Mitigation Measures – Implementation Status**

**Table C-1: Environmental Mitigation Measures Implementation Status**

EM&A Ref.	Recommendation Measures	Implementation Stage				
		M+ Museum		Lyric Theatre Complex		
		1-17 Aug 2018	2-31 Oct 2018	Aug 2018	Sep 2018	Oct 2018
<b>Air Quality Impact (Construction)</b>						
2.1 & 10.3.1	<p><b>General Dust Control Measures</b></p> <p>Frequent water spraying for active construction areas (12 times a day or once every one hour), including Heavy construction activities such as construction of buildings or roads, drilling, ground excavation, cut and fill operations (i.e., earth moving)</p>	Obs	Obs	✓	✓	✓
2.1 & 10.3.1	<p><b>Best Practice For Dust Control</b></p> <p>The relevant best practices for dust control as stipulated in the Air Pollution Control (construction Dust) Regulation should be adopted to further reduce the construction dust impacts from the Project. These best practices include:</p> <p><i>Good Site Management</i></p> <ul style="list-style-type: none"> <li>Good site management is important to help reducing potential air quality impact down to an acceptable level. As a general guide, the Contractor should maintain high standard of housekeeping to prevent emission of fugitive dust. Loading, unloading, handling and storage of raw materials, wastes or by-products should be carried out in a manner so as to minimise the release of visible dust emission. Any piles of materials accumulated on or around the work areas should be cleaned up regularly. Cleaning, repair and maintenance of all plant facilities within the work areas should be carried out in a manner minimising generation of fugitive dust emissions. The material should be handled properly to prevent fugitive dust emission before cleaning.</li> </ul> <p><i>Disturbed Parts of the Roads</i></p> <ul style="list-style-type: none"> <li>Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials; or</li> <li>Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet.</li> </ul> <p><i>Exposed Earth</i></p> <ul style="list-style-type: none"> <li>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.</li> </ul> <p><i>Loading, Unloading or Transfer of Dusty Materials</i></p>	Obs	Obs	Obs	Obs	Obs
		✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓
		N/A	N/A	N/A	N/A	N/A
		✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage				
		M+ Museum		Lyric Theatre Complex		
		1-17 Aug 2018	2-31 Oct 2018	Aug 2018	Sep 2018	Oct 2018
	<ul style="list-style-type: none"> <li>All dusty materials should be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet.</li> </ul>					
	<i>Debris Handling</i>	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> <li>Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides.</li> </ul>	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> <li>Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped.</li> </ul>					
	<i>Transport of Dusty Materials</i>	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> <li>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.</li> </ul>					
	<i>Wheel washing</i>	✓	Obs	✓	✓	✓
	<ul style="list-style-type: none"> <li>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.</li> </ul>					
	<i>Use of vehicles</i>					
	<ul style="list-style-type: none"> <li>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.</li> </ul>	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> <li>Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.</li> </ul>	✓	✓	✓	✓	✓
	<ul style="list-style-type: none"> <li>Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle.</li> </ul>	✓	✓	✓	✓	✓
	<i>Site hoarding</i>					
	<ul style="list-style-type: none"> <li>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.</li> </ul>	✓	✓	✓	✓	✓
2.1 & 10.3.1	<p><b>Best Practicable Means for Cement Works (Concrete Batching Plant)</b></p> <p>The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant) BPM 3/2(93) should be followed and implemented to further reduce the construction dust impacts of the Project. These best practices include:</p> <p>Exhaust from Dust Arrestment Plant</p>					

EM&A Ref.	Recommendation Measures	Implementation Stage				
		M+ Museum		Lyric Theatre Complex		
		1-17 Aug 2018	2-31 Oct 2018	Aug 2018	Sep 2018	Oct 2018
	<ul style="list-style-type: none"> <li>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</li> </ul>	✓	✓	✓	✓	✓
	Emission Limits					
	<ul style="list-style-type: none"> <li>All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke</li> </ul>	✓	✓	✓	✓	✓
	Engineering Design/Technical Requirements					
	<ul style="list-style-type: none"> <li>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</li> </ul>	✓	✓	✓	✓	✓
-	<p><b>Non-Road Mobile Machinery (NRMM):</b></p> <p>All NRMMs operating on-site which are subject to emission control of Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation are approved/exempted (as the case may be) and affixed with the requisite approval/exemption labels.</p>	✓	✓	✓	Obs	Obs
<b>Noise Impact (Construction)</b>						
3.1 & 10.4.1	<p><b>Good Site Practice</b></p> <p>Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:</p> <ul style="list-style-type: none"> <li>only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works;</li> <li>machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum;</li> <li>plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs;</li> <li>mobile plant should be sited as far away from NSRs as possible; and</li> <li>material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities.</li> </ul>	✓	✓	✓	✓	✓
3.1 & 10.4.1	<p><b>Adoption of Quieter PME</b></p> <p>The recommended quieter PME adopted in the assessment were taken from the EPD's QPME Inventory and "Sound Power Levels of Other Commonly Used PME" are presented in <b>Table 4.26</b> in the EIA report. It should</p>	N/A	✓	N/A	N/A	✓

EM&A Ref.	Recommendation Measures	Implementation Stage				
		M+ Museum		Lyric Theatre Complex		
		1-17 Aug 2018	2-31 Oct 2018	Aug 2018	Sep 2018	Oct 2018
	be noted that the silenced PME selected for assessment can be found in Hong Kong.					
3.1 & 10.4.1	<b>Use of Movable Noise Barriers</b> 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	✓	✓	Obs
3.1 & 10.4.1	<b>Use of Noise Enclosure/ Acoustic Shed</b> 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
3.1 & 10.4.1	<b>Use of Noise Insulating Fabric</b> Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, piling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR-127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.	✓	N/A	✓	✓	✓
3.1 & 10.4.1	<b>Scheduling of Construction Works outside School Examination Periods</b> 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
<b>Water Quality Impact (Construction)</b>						
4.1 & 10.5.1	<b>Construction site runoff and drainage</b> 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:					
	<ul style="list-style-type: none"> <li>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;</li> </ul>	✓	Rem	Obs	✓	✓
	<ul style="list-style-type: none"> <li>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</li> </ul>	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage				
		M+ Museum		Lyric Theatre Complex		
		1-17 Aug 2018	2-31 Oct 2018	Aug 2018	Sep 2018	Oct 2018
	should be undertaken by the WKCDA's Contractor prior to the commencement of construction.					
	<ul style="list-style-type: none"> <li>▪ 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.</li> <li>▪ 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.</li> <li>▪ 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.</li> <li>▪ 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.</li> <li>▪ 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.</li> <li>▪ 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.</li> <li>▪ 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.</li> </ul>	✓	✓	✓	✓	Obs/ Rem
		✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓
		Obs	✓	✓	✓	✓
		N/A	N/A	N/A	N/A	N/A
	<b>Barging facilities and activities</b>					
	Recommendations for good site practices during operation of the proposed barging point include:					

EM&A Ref.	Recommendation Measures	Implementation Stage				
		M+ Museum		Lyric Theatre Complex		
		1-17 Aug 2018	2-31 Oct 2018	Aug 2018	Sep 2018	Oct 2018
	<ul style="list-style-type: none"> <li>▪ All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash;</li> <li>▪ 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;</li> <li>▪ All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; and</li> <li>▪ Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site.</li> </ul>	N/A	N/A	N/A	N/A	N/A
4.1 & 10.5.1	<p><b>Sewage effluent from construction workforce</b></p> <p>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.</p>	✓	✓	✓	✓	✓
4.1 & 10.5.1	<p><b>General construction activities</b></p> <ul style="list-style-type: none"> <li>▪ 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.</li> <li>▪ 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.</li> </ul>	✓	✓	✓	✓	✓
<b>Waste Management Implications (Construction)</b>						
6.1 & 10.7.1	<p><b>Good Site Practices</b></p> <p>Recommendations for good site practices during the construction activities include:</p> <ul style="list-style-type: none"> <li>▪ Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site</li> <li>▪ Training of site personnel in proper waste management and chemical handling procedures</li> <li>▪ Provision of sufficient waste disposal points and regular collection of waste</li> </ul>	✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓
		✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage				
		M+ Museum		Lyric Theatre Complex		
		1-17 Aug 2018	2-31 Oct 2018	Aug 2018	Sep 2018	Oct 2018
	<ul style="list-style-type: none"> <li>▪ Appropriate measures to minimise windblown litter and dust/odour during transportation of waste by either covering trucks or by transporting wastes in enclosed containers</li> <li>▪ Provision of wheel washing facilities before the trucks leaving the works area so as to minimise dust introduction to public roads</li> <li>▪ Well planned delivery programme for offsite disposal such that adverse environmental impact from transporting the inert or non-inert C&amp;D materials is not anticipated</li> </ul>	✓	✓	✓	✓	✓
6.1 & 10.7.1	<p><b>Waste Reduction Measures</b></p> <p>Recommendations to achieve waste reduction include:</p> <ul style="list-style-type: none"> <li>▪ Sort inert C&amp;D material to recover any recyclable portions such as metals</li> <li>▪ Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal</li> <li>▪ 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</li> <li>▪ Proper site practices to minimise the potential for damage or contamination of inert C&amp;D materials</li> <li>▪ Plan the use of construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste</li> </ul>	✓	✓	✓	✓	✓
6.1 & 10.7.1	<p><b>Inert and Non-inert C&amp;D Materials</b></p> <p>In order to minimise impacts resulting from collection and transportation of inert C&amp;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&amp;D material generated from excavation works could be reused as fill materials in local projects that require public fill for reclamation.</p> <ul style="list-style-type: none"> <li>▪ The surplus inert C&amp;D material will be disposed of at the Government's PFRFs for beneficial use by other projects in Hong Kong.</li> <li>▪ Liaison with the CEDD Public Fill Committee (PFC) on the allocation of space for disposal of the inert C&amp;D materials at PFRF is underway. No construction work is allowed to proceed until all issues on management of inert C&amp;D materials have been resolved and all relevant arrangements have been endorsed by the relevant authorities including PFC and EPD.</li> <li>▪ The C&amp;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.</li> </ul>	✓	✓	✓	✓	✓



EM&A Ref.	Recommendation Measures	Implementation Stage				
		M+ Museum		Lyric Theatre Complex		
		1-17 Aug 2018	2-31 Oct 2018	Aug 2018	Sep 2018	Oct 2018
	<ul style="list-style-type: none"> <li>In order to monitor the disposal of inert and non-inert C&amp;D materials at respectively PFRFs and the designated landfill site, and to control fly-tipping, it is recommended that the Contractor should follow the Technical Circular (Works) No.6/2010 for Trip Ticket System for Disposal of Construction &amp; 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.</li> </ul>	✓	✓	✓	✓	✓
6.1 & 10.7.1	<p><b>Chemical Waste</b></p> <ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>	✓	Obs	✓	Obs	Obs
6.1 & 10.7.1	<p><b>General Refuse</b></p> <p>General refuse should be stored in enclosed bins or compaction units separated from inert C&amp;D materials. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from inert C&amp;D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.</p>	✓	✓	✓	✓	✓
<b>Land Contamination (Construction)</b>						
7.1 & 10.8.1	<p>The potential for land contamination issues at the TST Fire Station due to its future relocation will be confirmed by site investigation after land acquisition. Where necessary, mitigation measures for minimising potential exposure to contaminated materials (if any) or remediation measures will be identified. If contaminated land is identified (e.g., during decommissioning of fuel oil storage tanks) after the commencement of works, mitigation measures are proposed in order to minimise the potentially adverse effects on the health and safety of construction workers and impacts arising from the disposal of potentially</p>					



EM&A Ref.	Recommendation Measures	Implementation Stage				
		M+ Museum		Lyric Theatre Complex		
		1-17 Aug 2018	2-31 Oct 2018	Aug 2018	Sep 2018	Oct 2018
(CM2)	compensatory planting should be of a ratio not less than 1:1 in terms of quality and quantity within the site.					
Table 9.1 & 10.8 (CM3)	Buffer trees for screening purposes to soften the hard architectural and engineering structures and facilities.	N/A	N/A	N/A	N/A	N/A
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
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
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
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
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
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
Table 9.2 & 10.9 (MCP1)	Use of decorative screen hoarding/boards	✓	✓	✓	✓	✓
Table 9.2 & 10.9 (MCP2)	Early introduction of landscape treatments	N/A	N/A	N/A	N/A	N/A
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
Table 9.2	Control of night time lighting	✓	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage				
		M+ Museum		Lyric Theatre Complex		
		1-17 Aug 2018	2-31 Oct 2018	Aug 2018	Sep 2018	Oct 2018
& 10.9 (MCP4)						
Table 9.2 & 10.9 (MCP5)	Use of greenery such as grass cover for the temporary open areas will help achieve the visual balance and soften the hard edges of the structures.	N/A	N/A	N/A	N/A	N/A
N/A	- Not Applicable					
✓	- Implemented					
Obs	- Observed					
Rem	- Reminder					

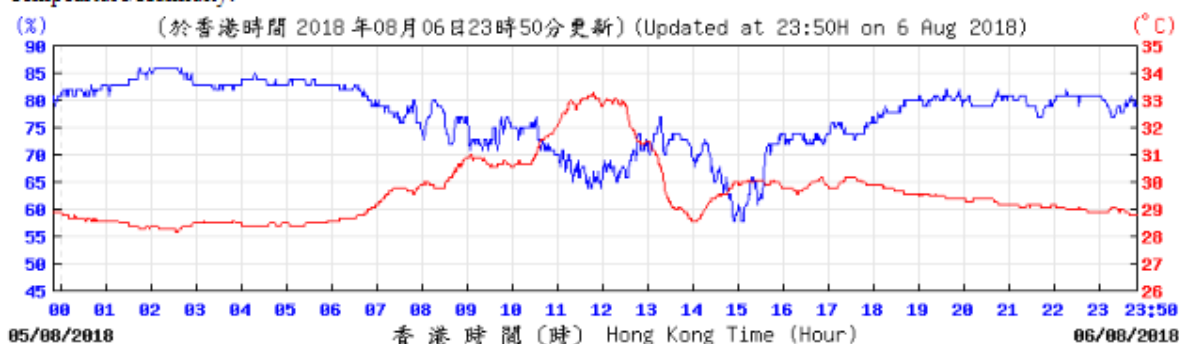
Remarks:

During the reporting quarter, there were only construction work at M+ Museum during 1-17 August 2018 and 2-31 October 2018.

## **D. Meteorological Data Extracted from Hong Kong Observatory**

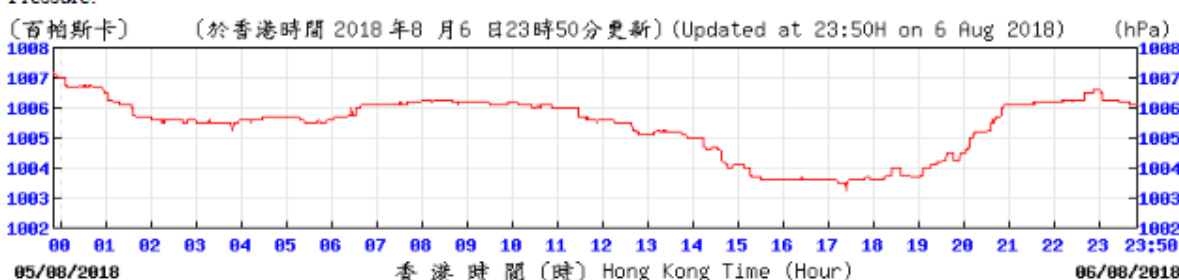
**Table D-1: Extract of Meteorological Observations for King's Park Automatic Weather Station in the reporting quarter**

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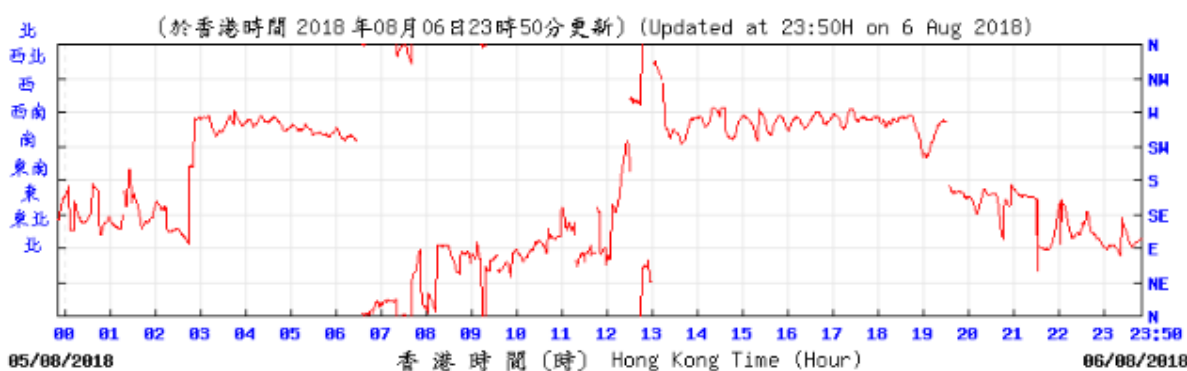
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Pressure:



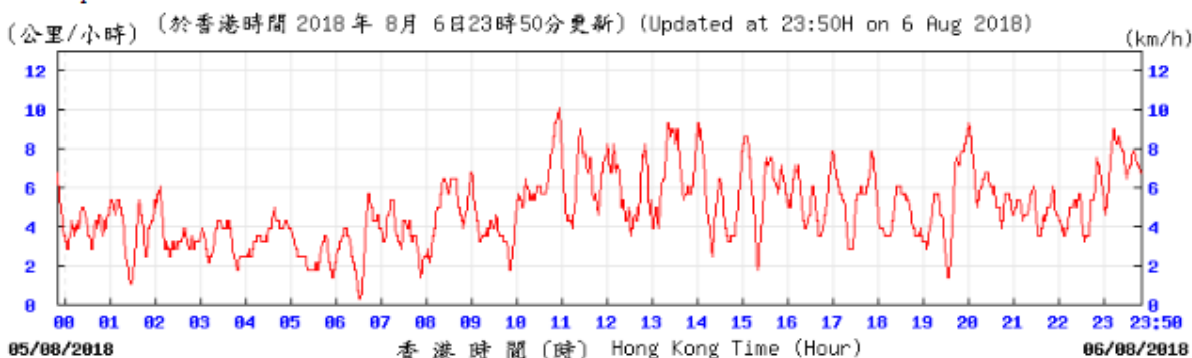
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Wind Direction:



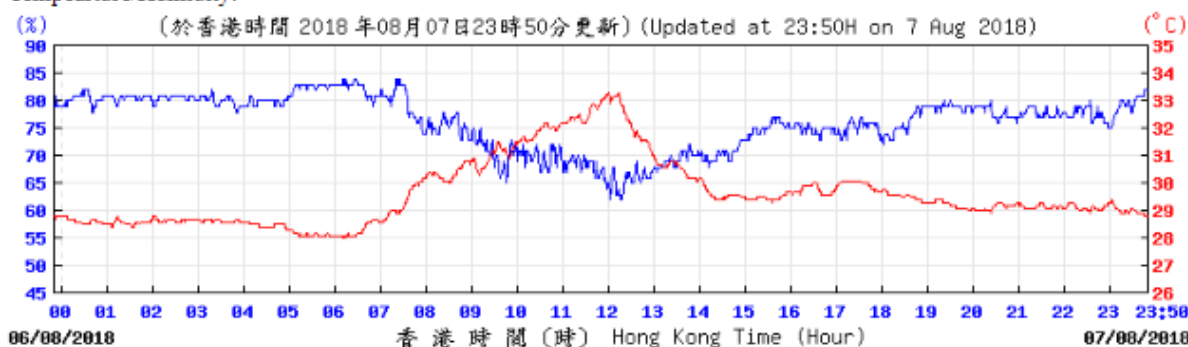
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Wind Speed:

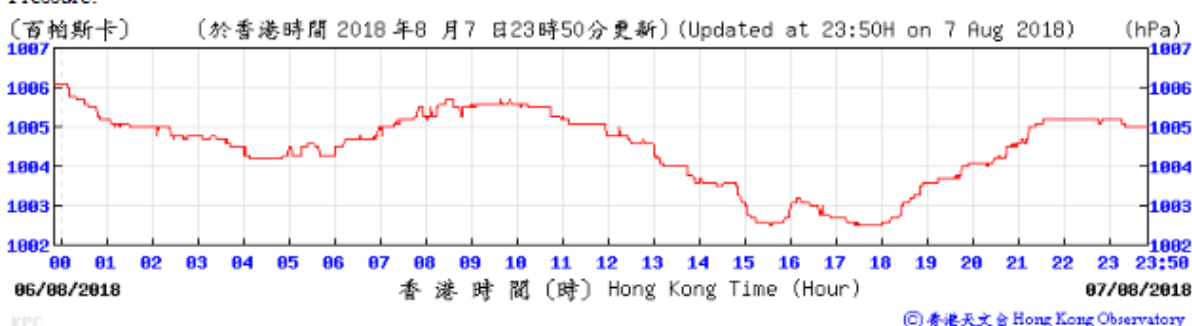


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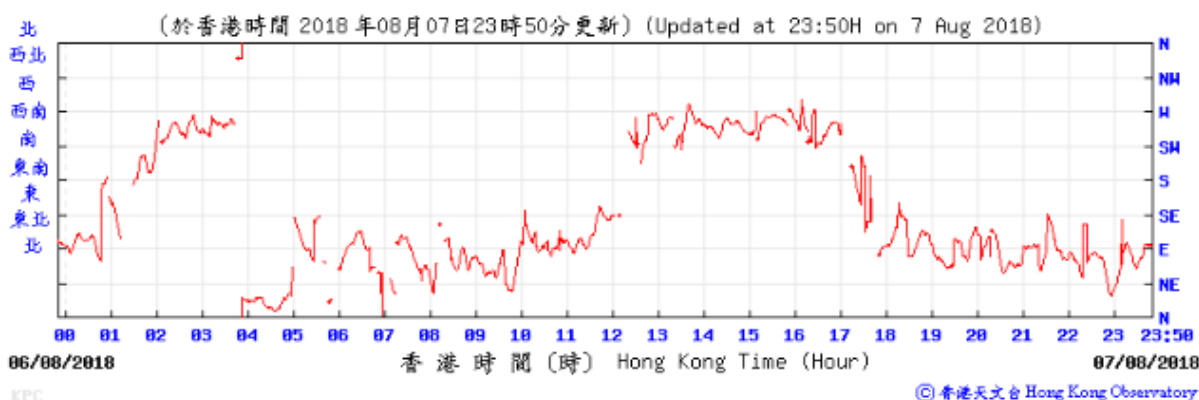
Temperature/Humidity:



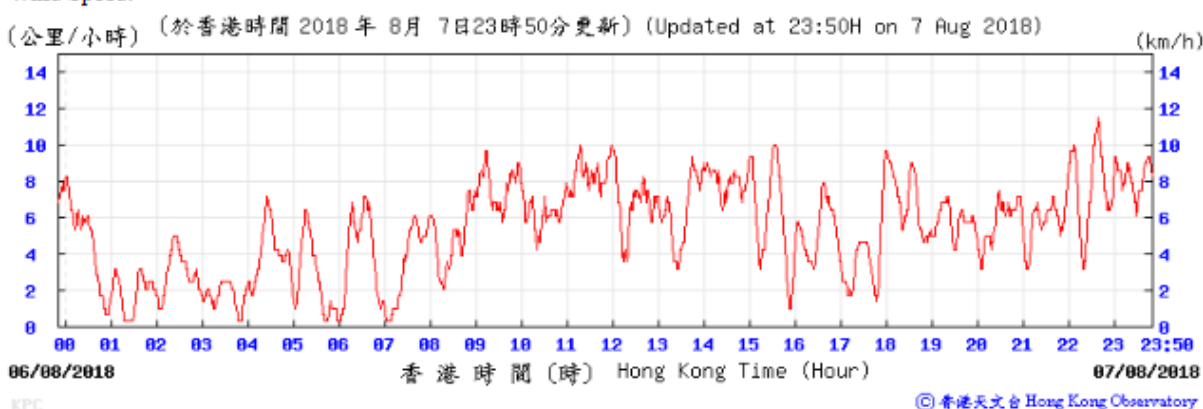
Pressure:



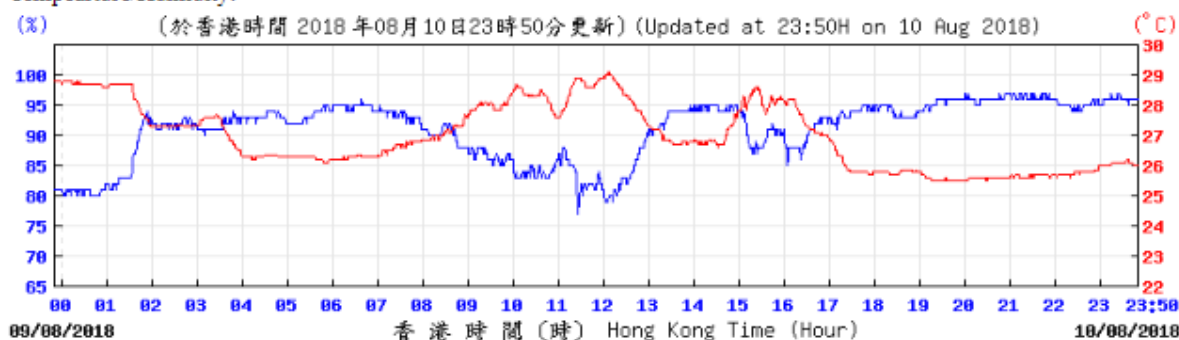
Wind Direction:



Wind Speed:

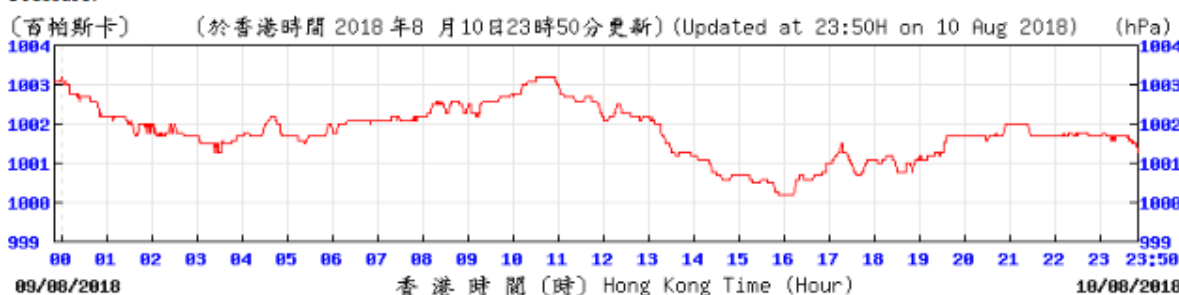


Temperature/Humidity:



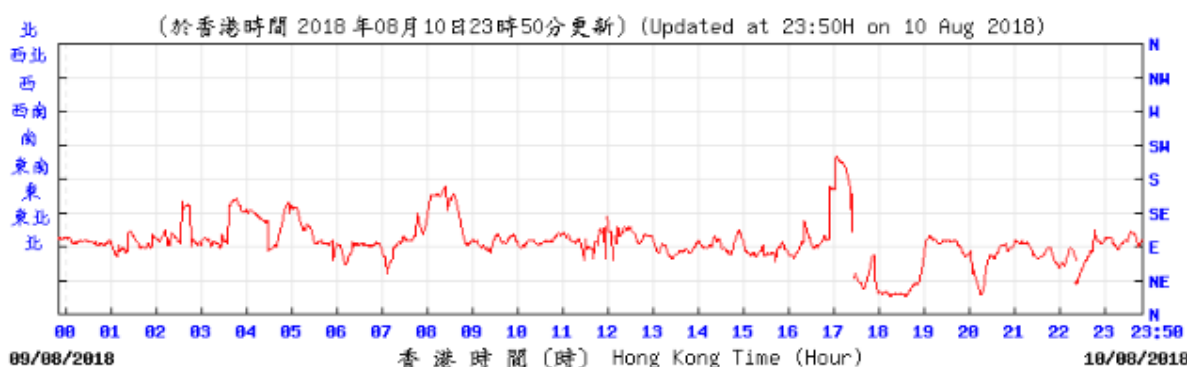
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Pressure:



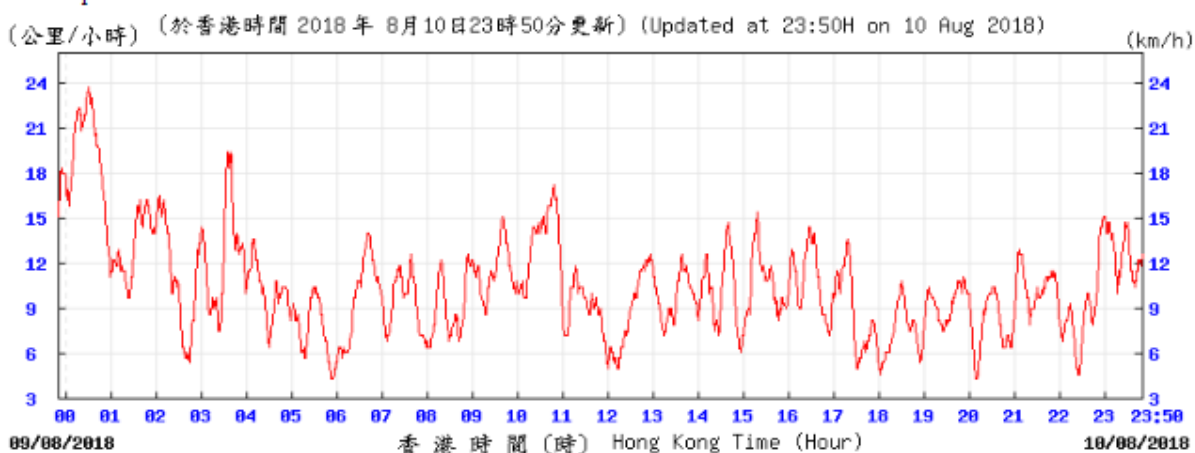
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Wind Direction:



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Wind Speed:

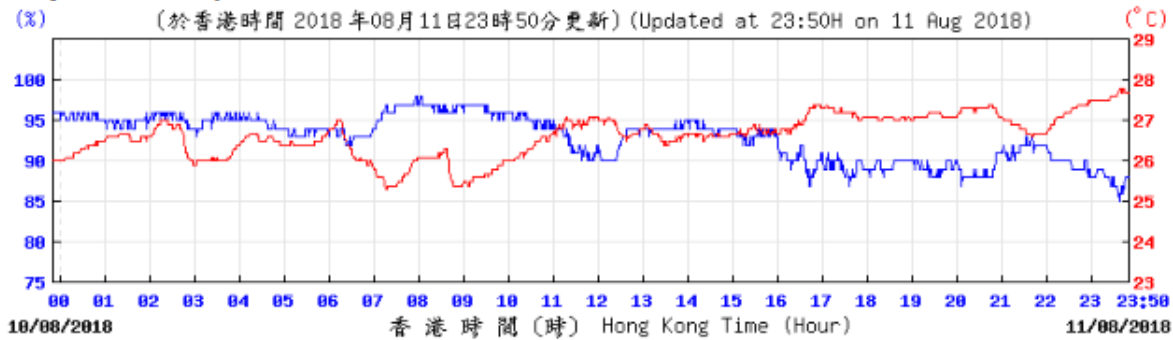


KFC

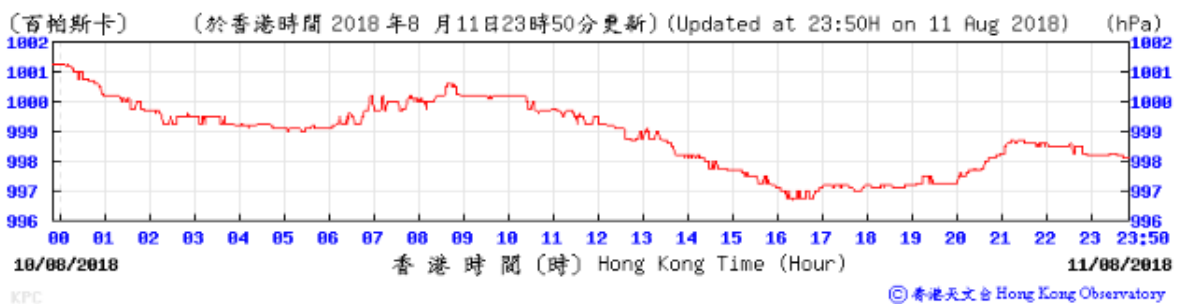
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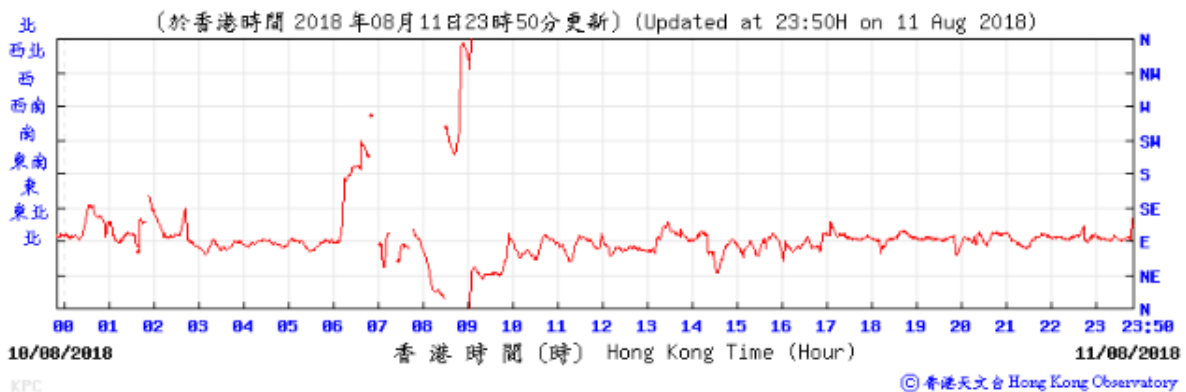
Temperature/Humidity:



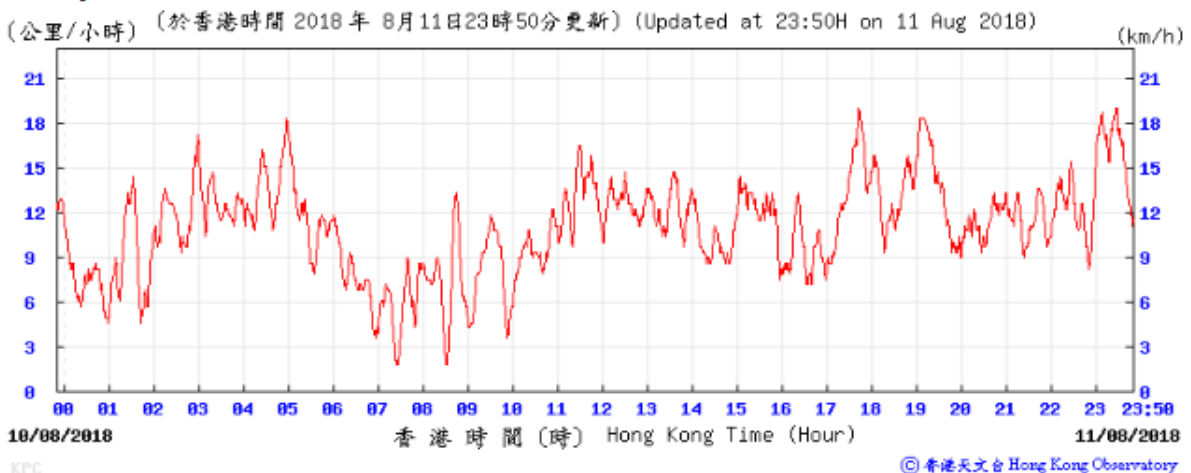
Pressure:



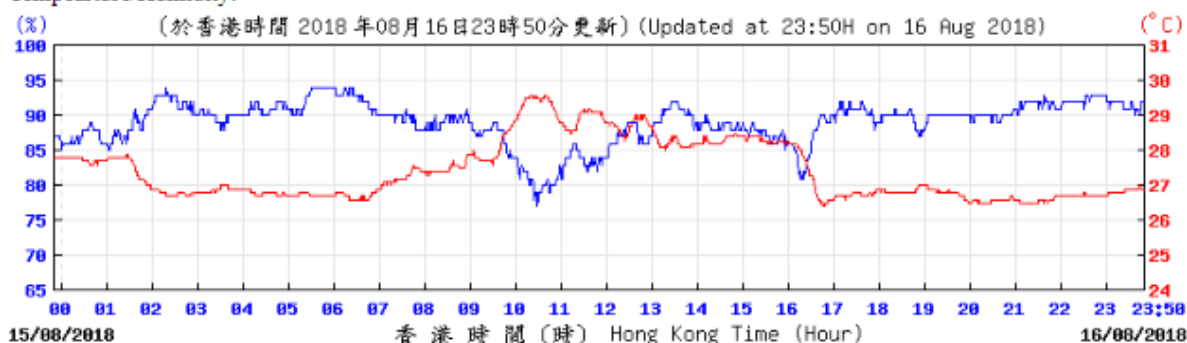
Wind Direction:



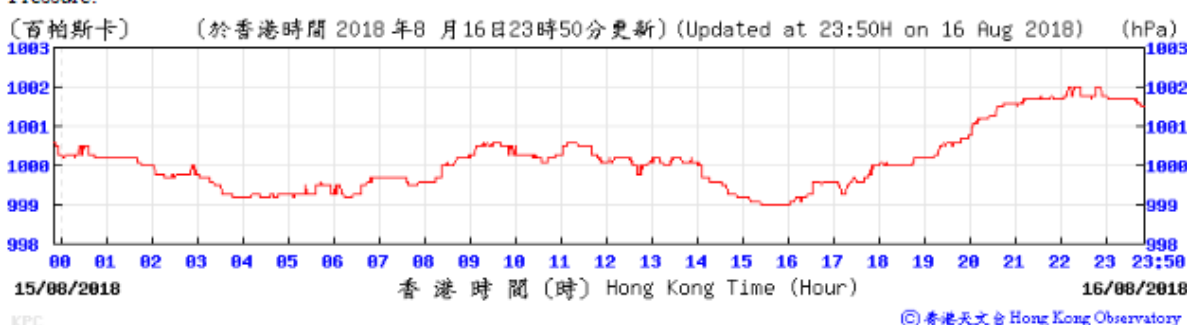
Wind Speed:



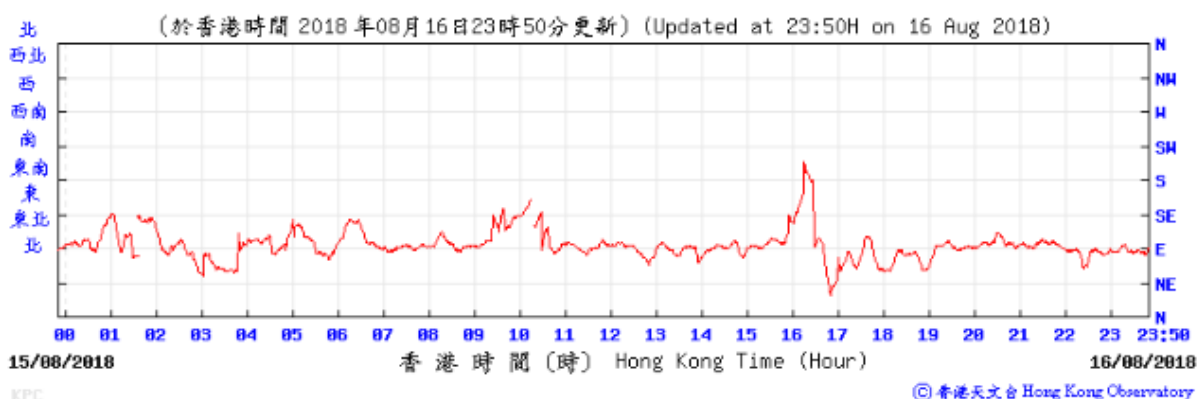
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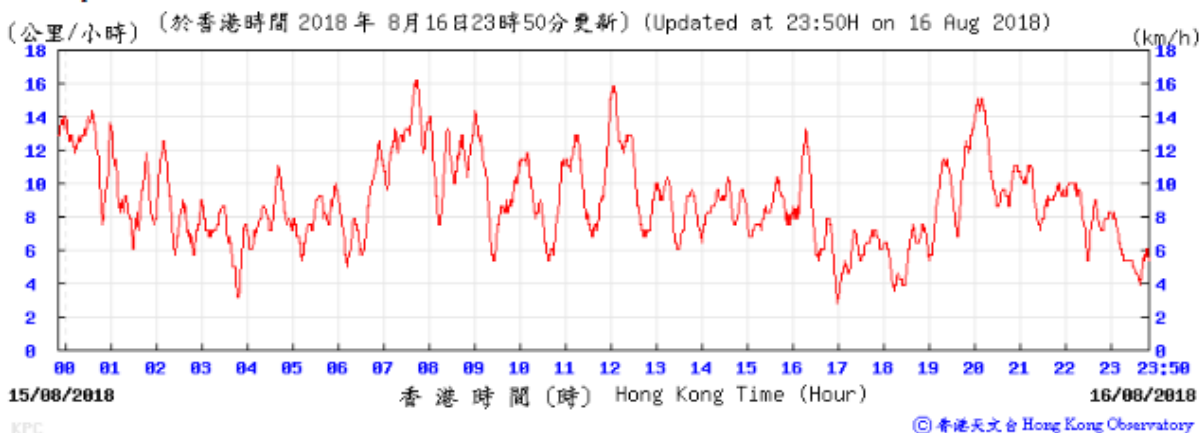
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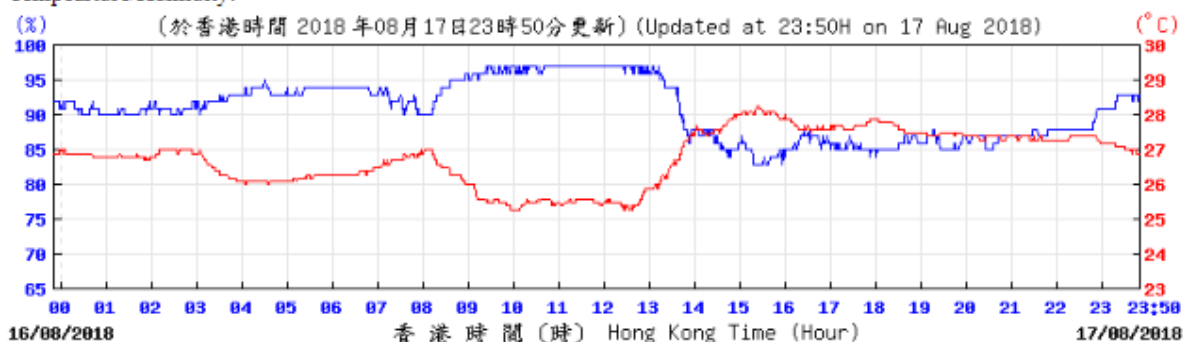
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Wind Speed:



Temperature/Humidity:



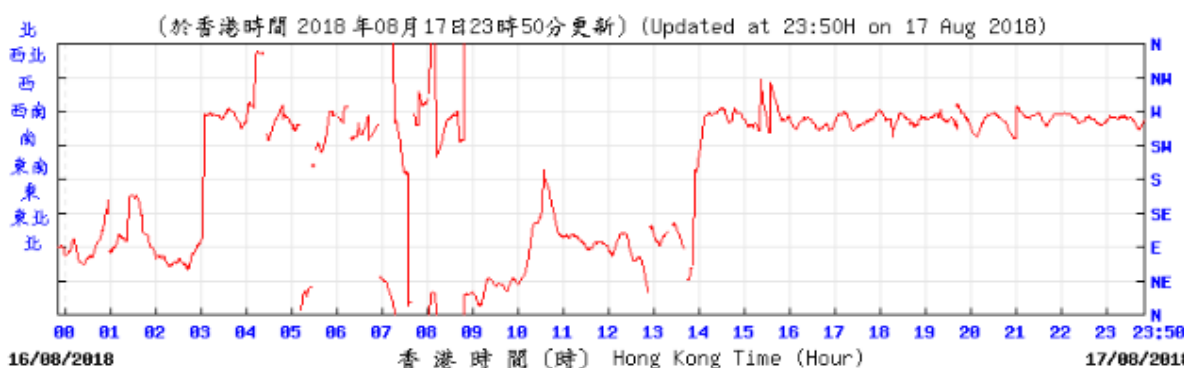
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Pressure:



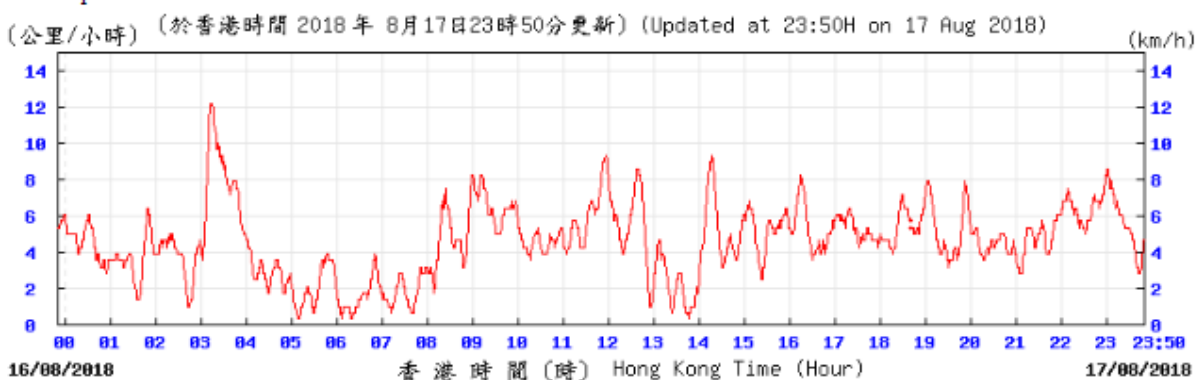
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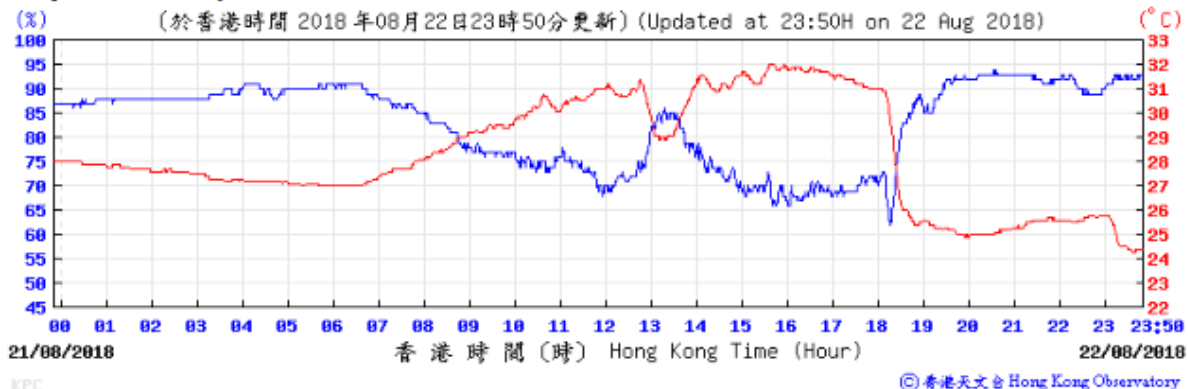
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Wind Speed:

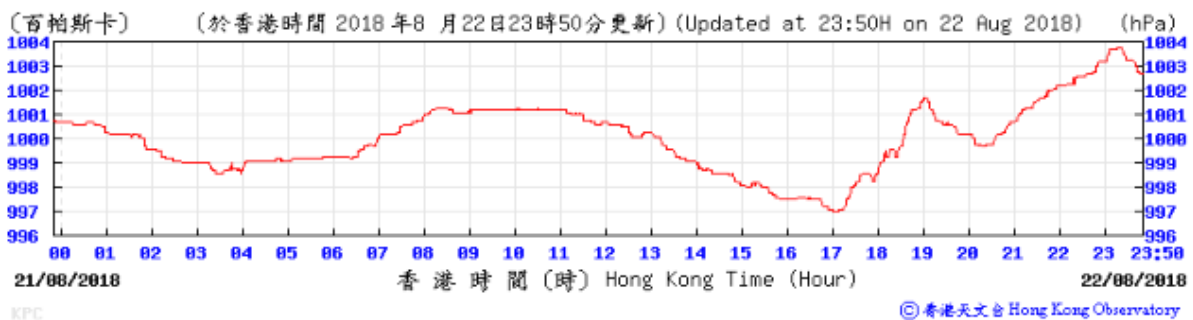


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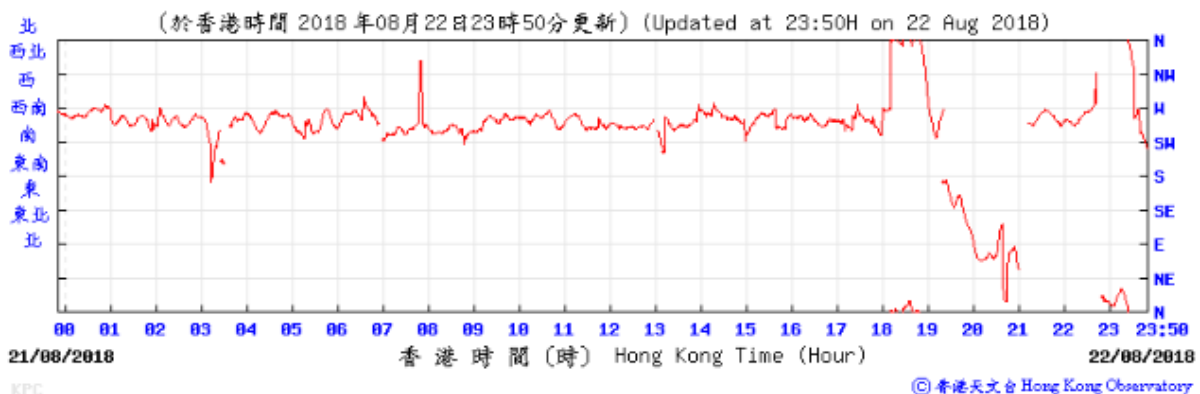
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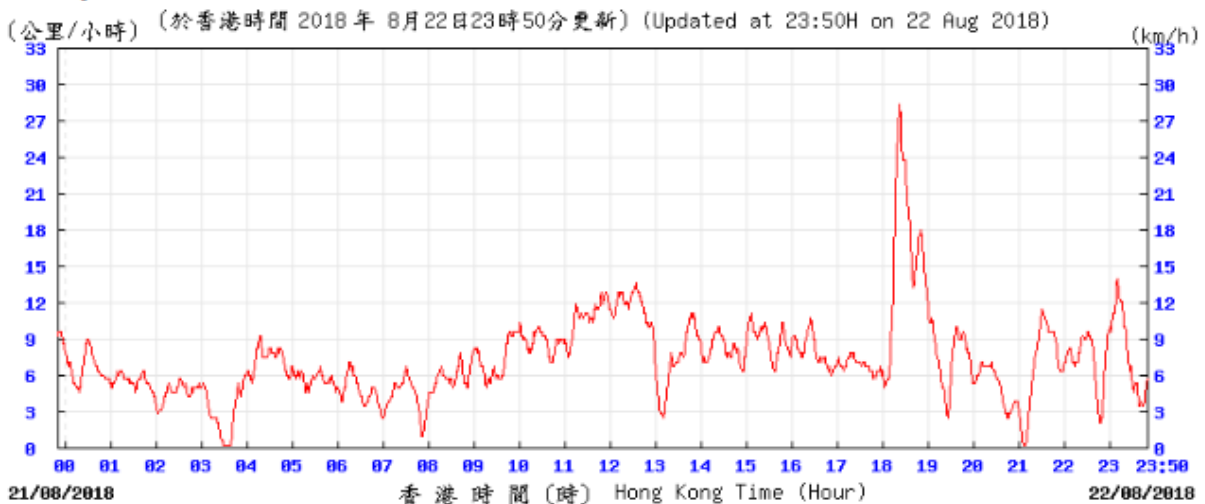
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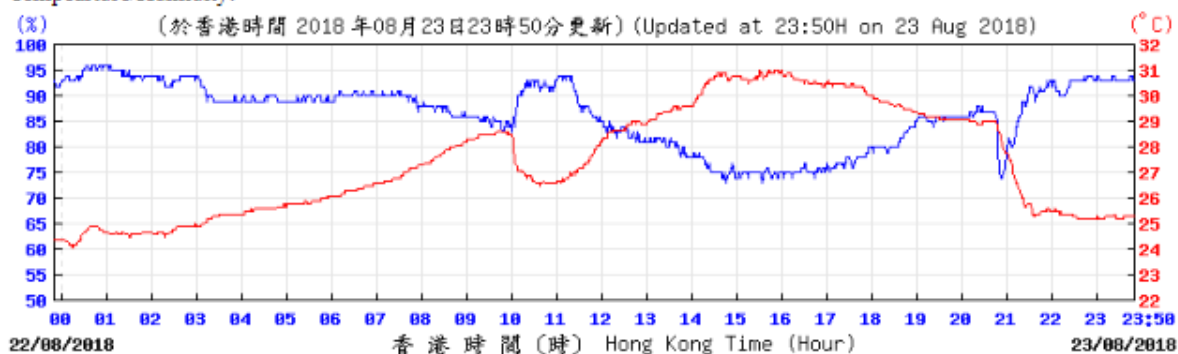
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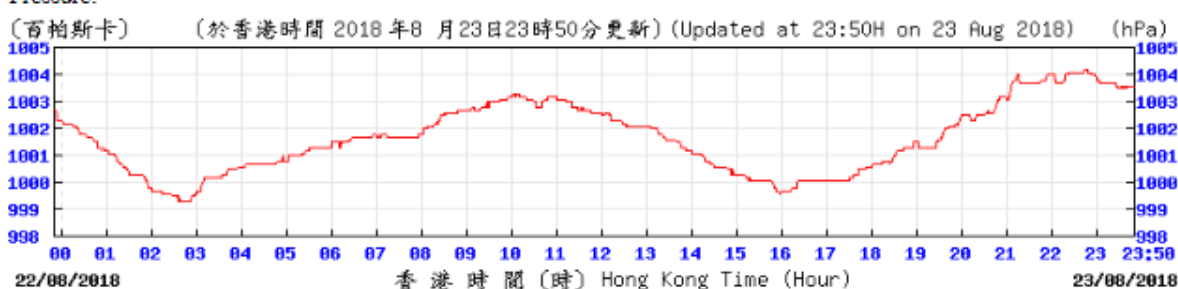


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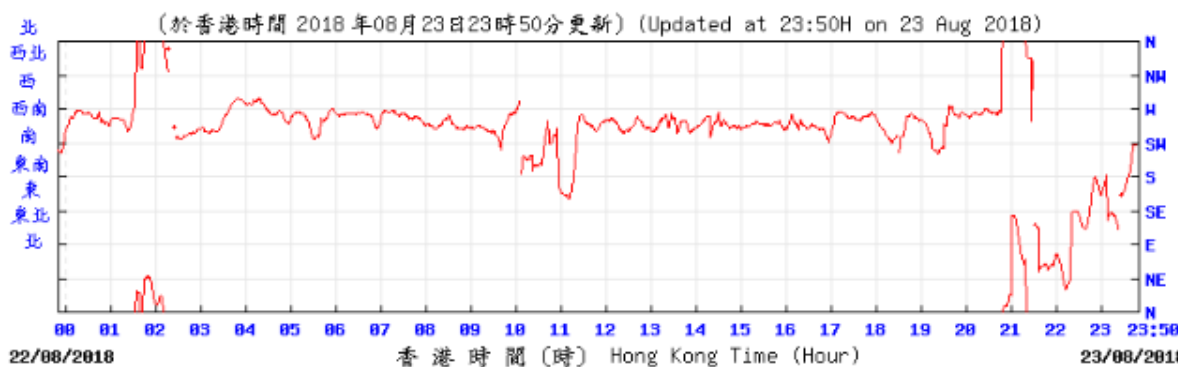
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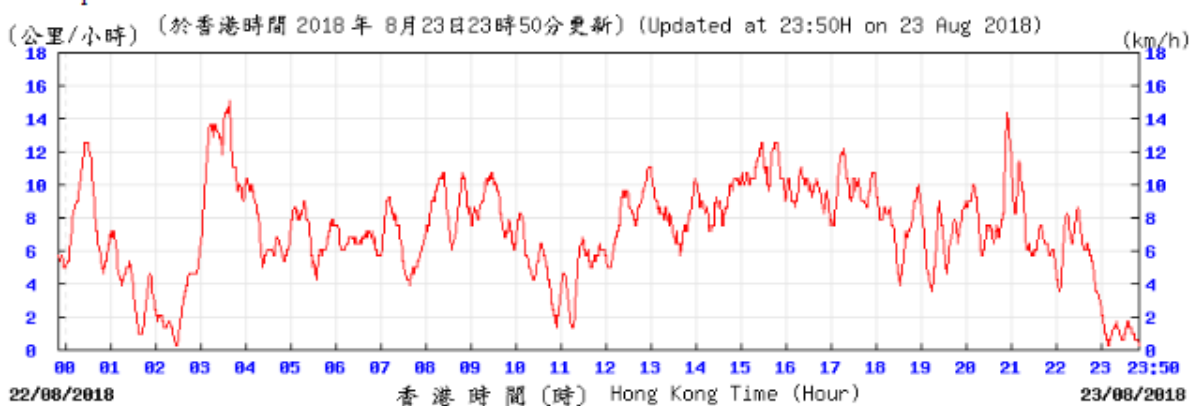
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Wind Direction:



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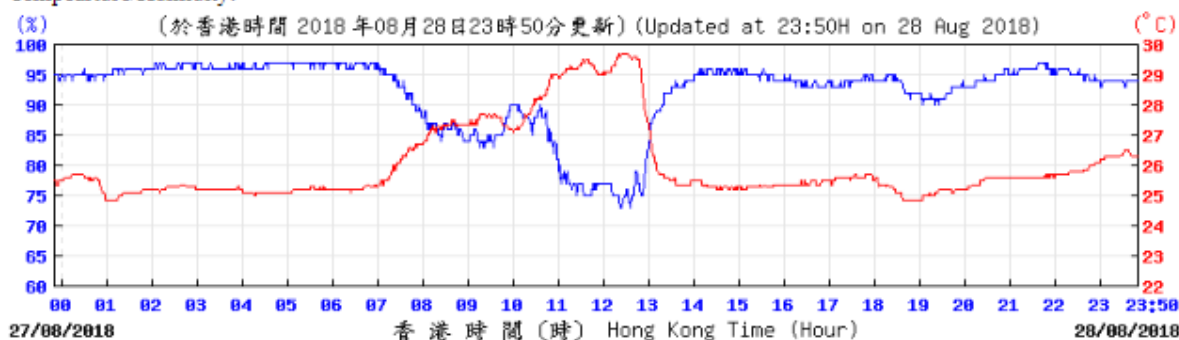
Wind Speed:



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KPC

Temperature/Humidity:



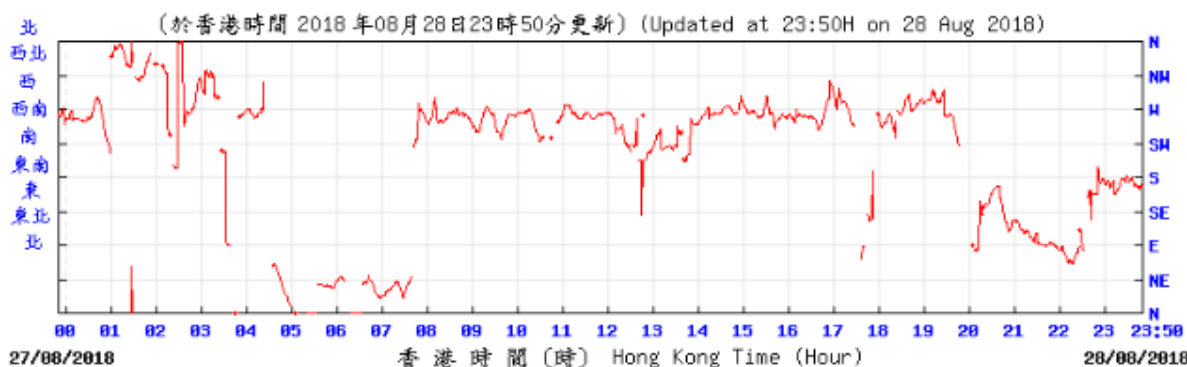
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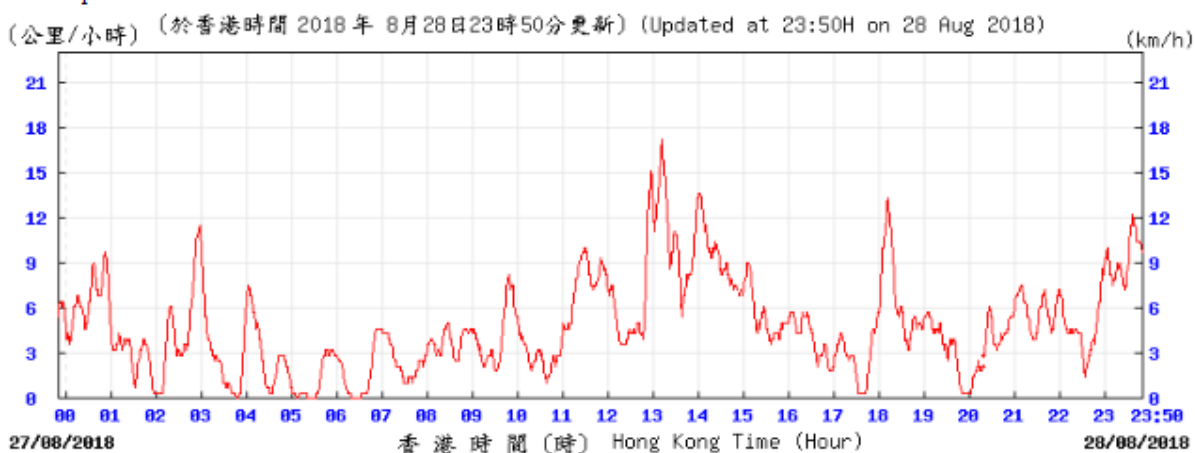
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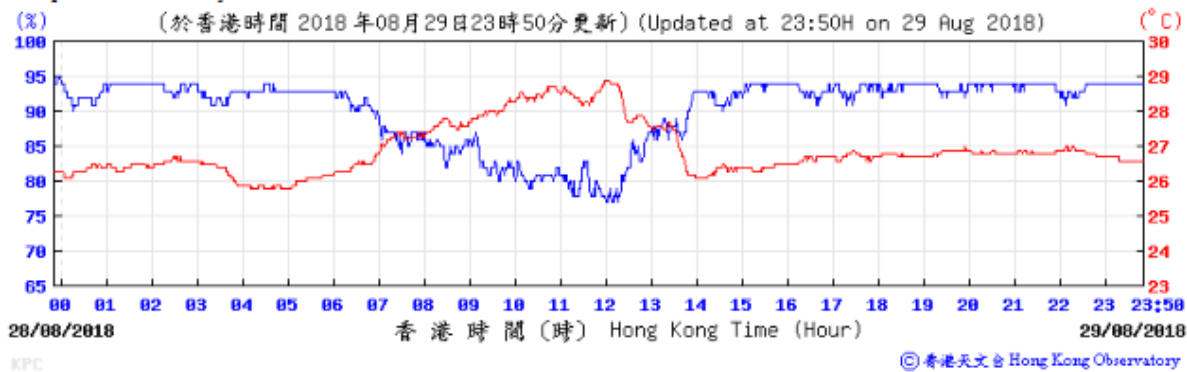
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Wind Speed:

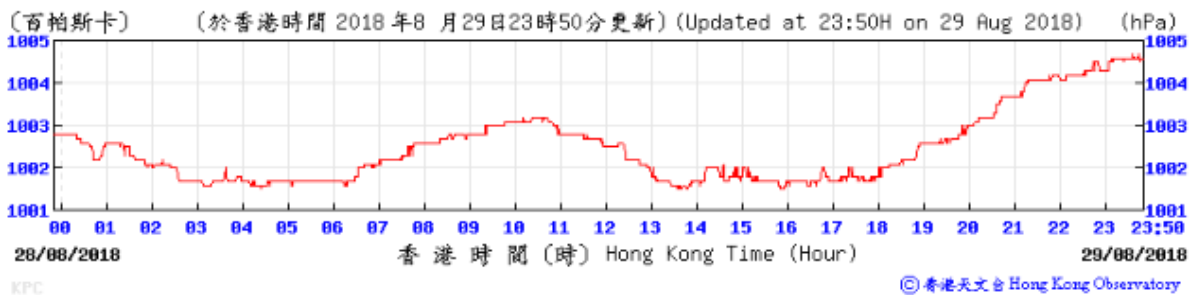


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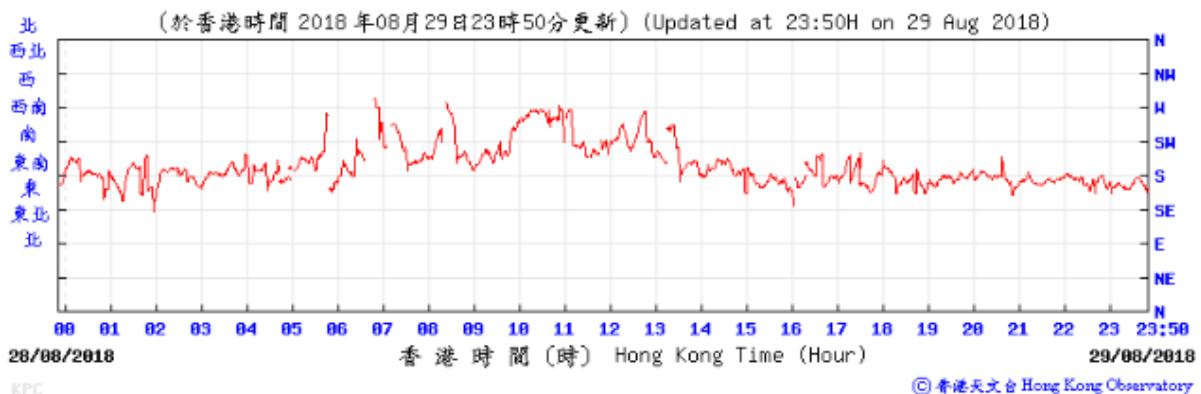
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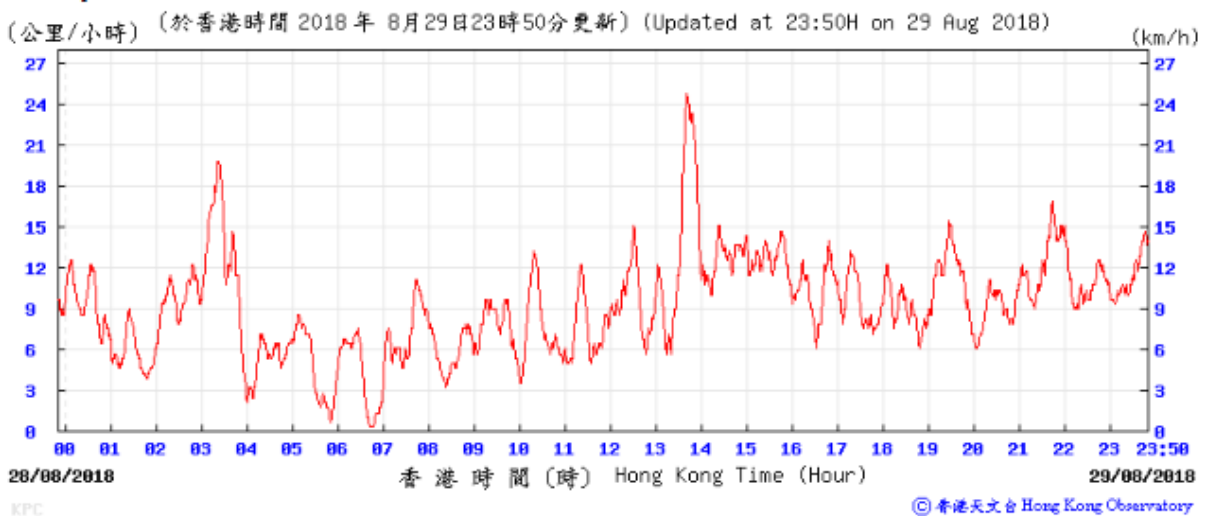
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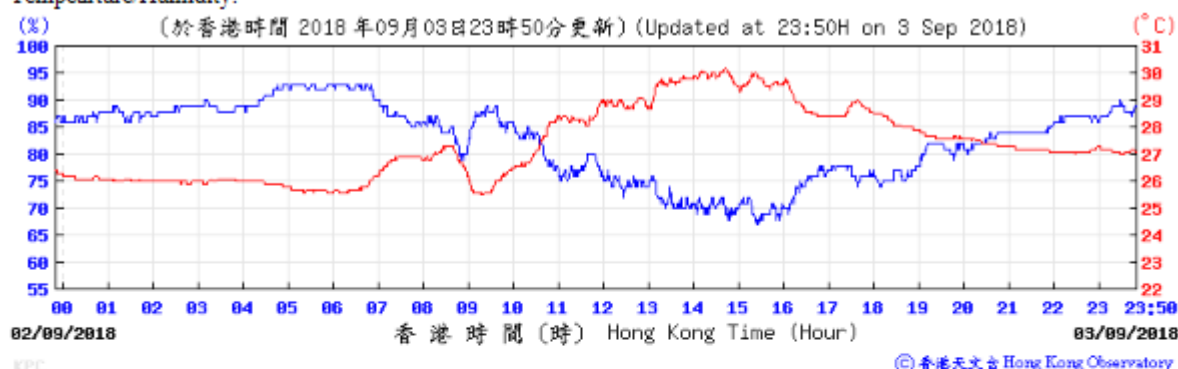
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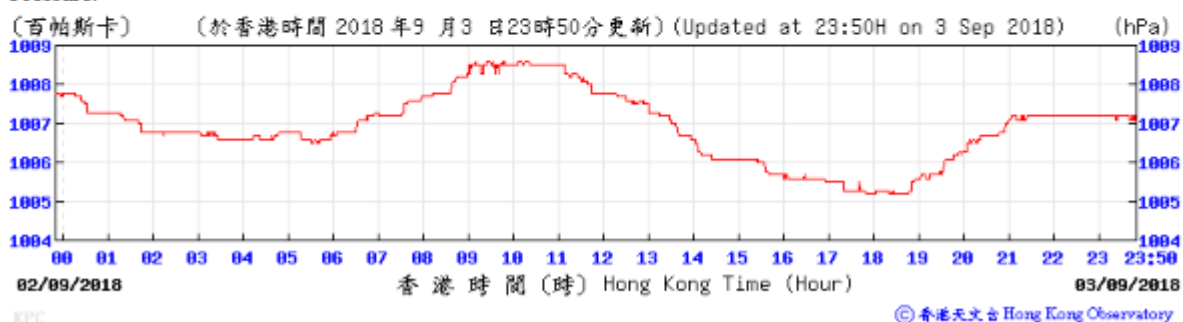
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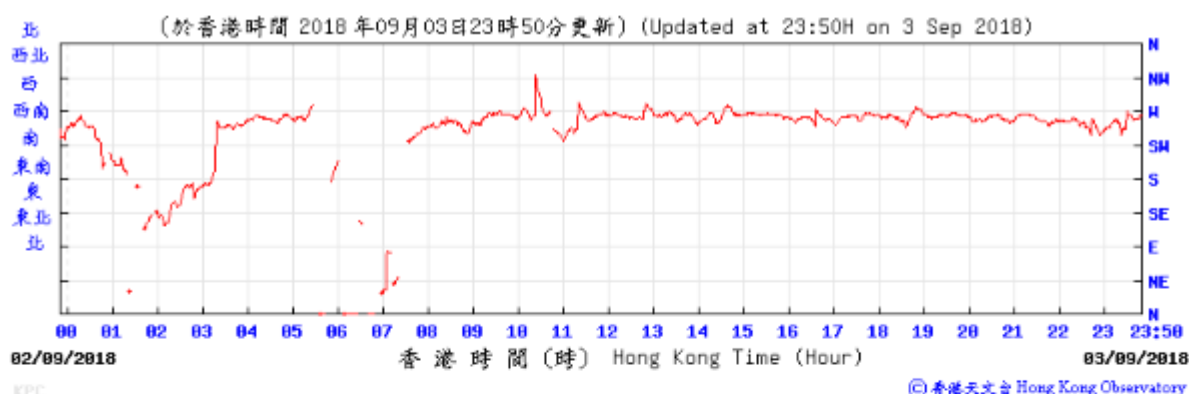
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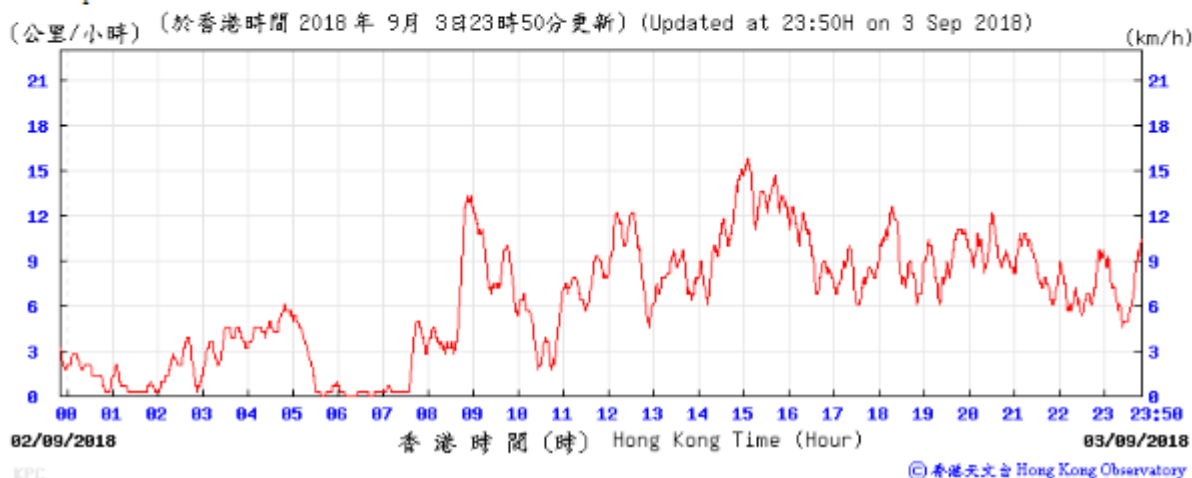
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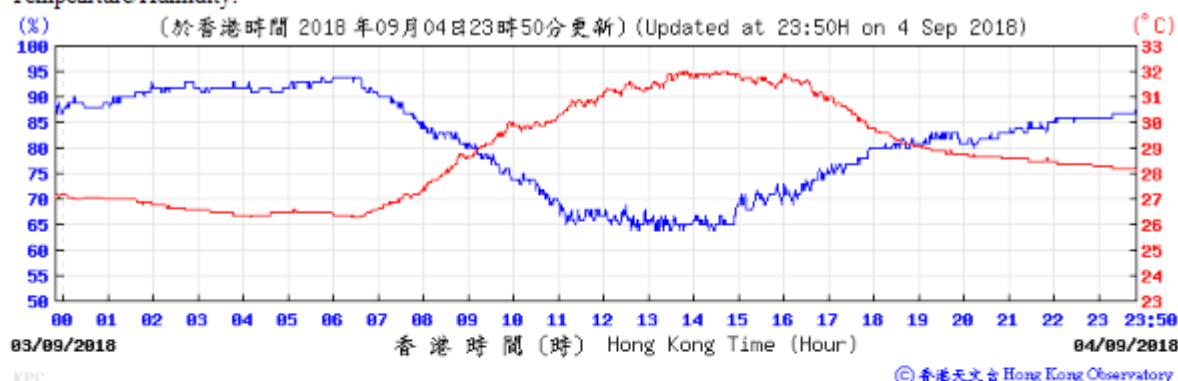


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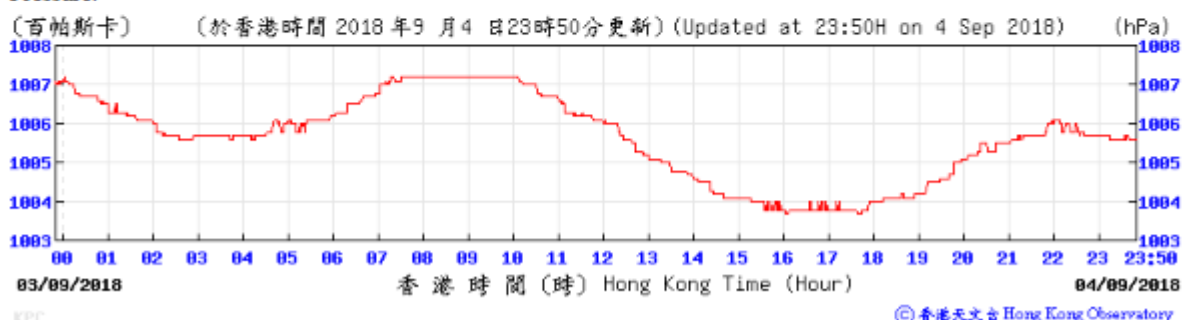




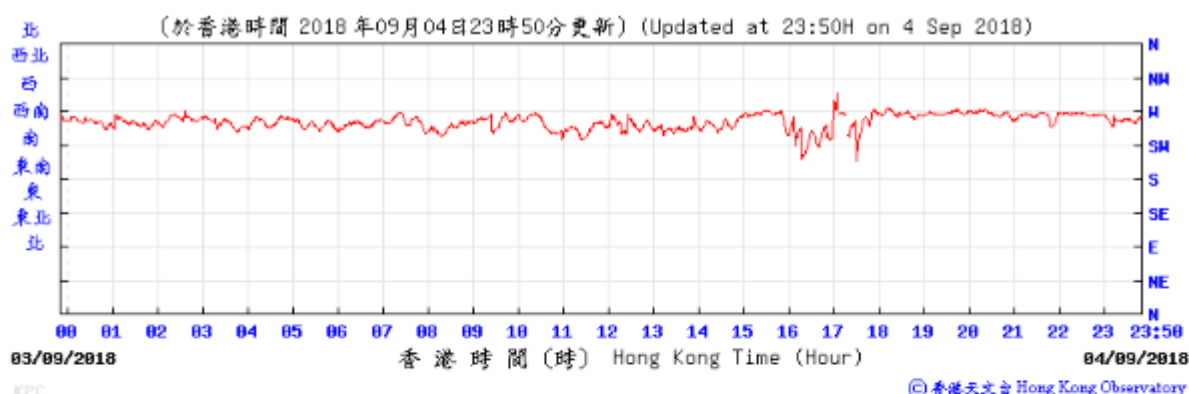
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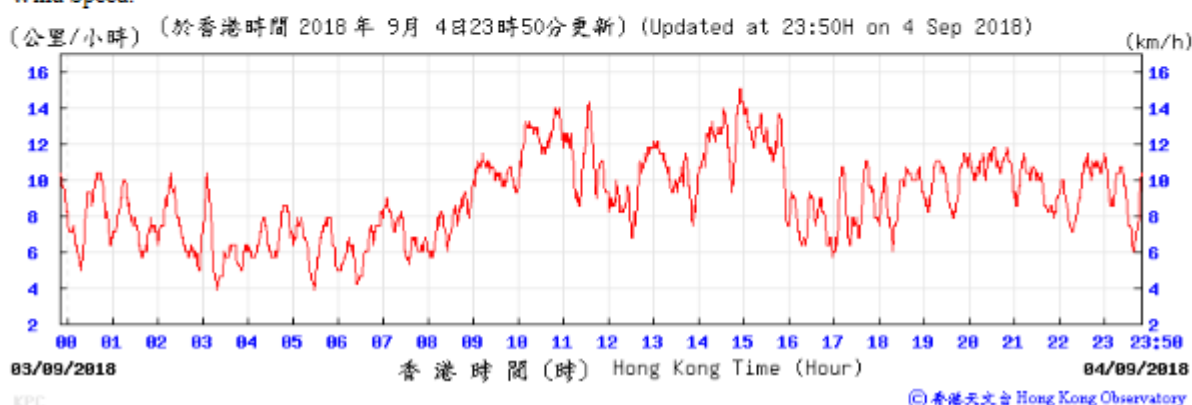
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Wind Speed:

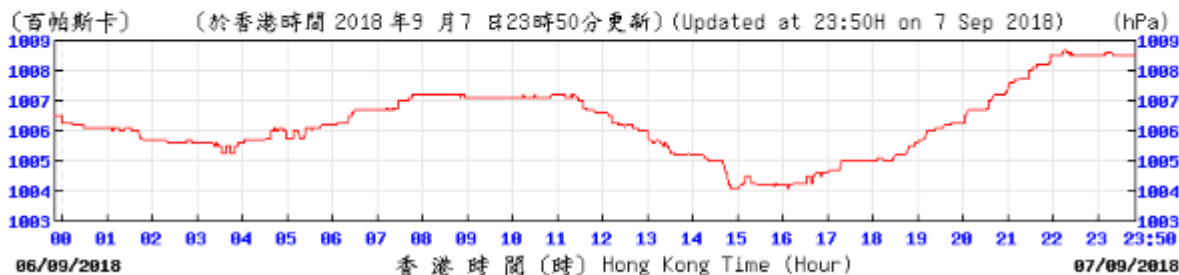


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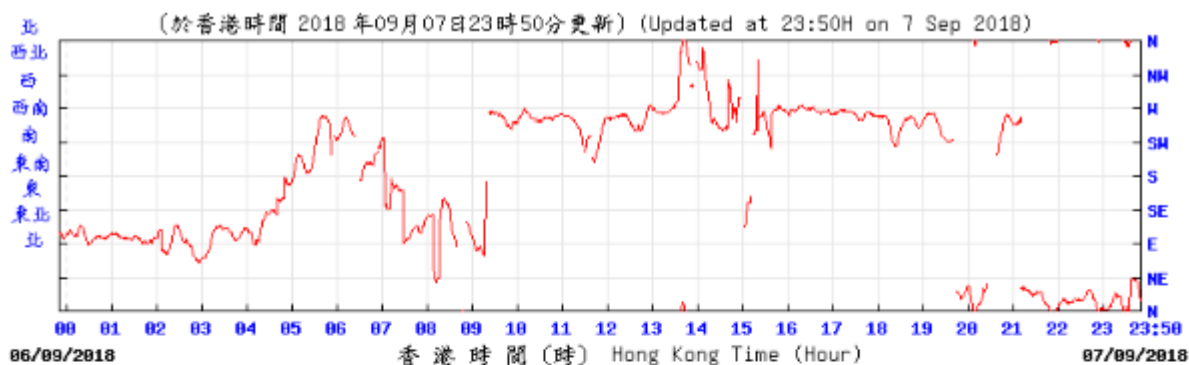
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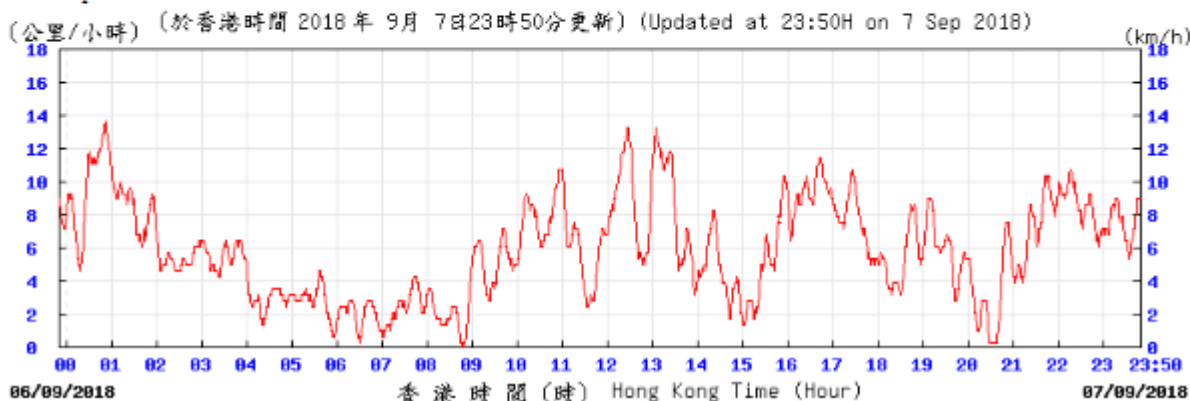
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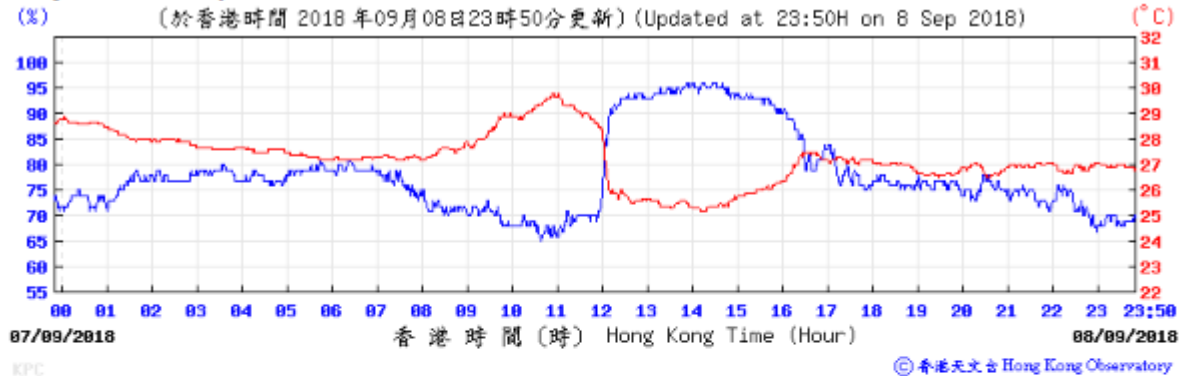
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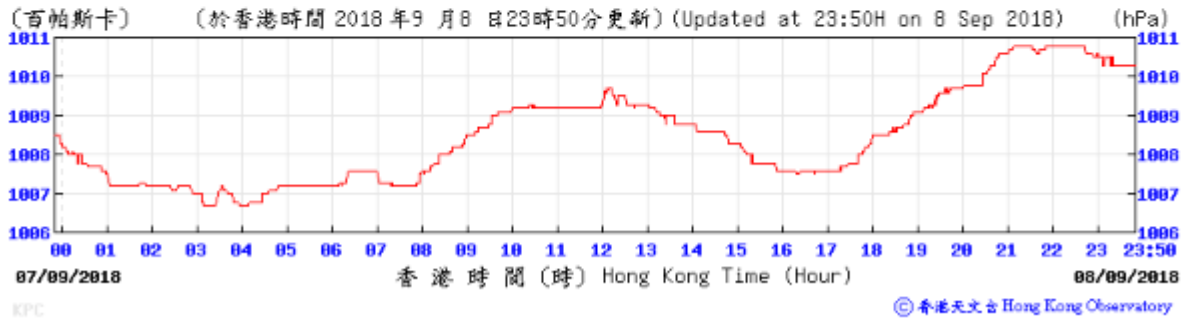


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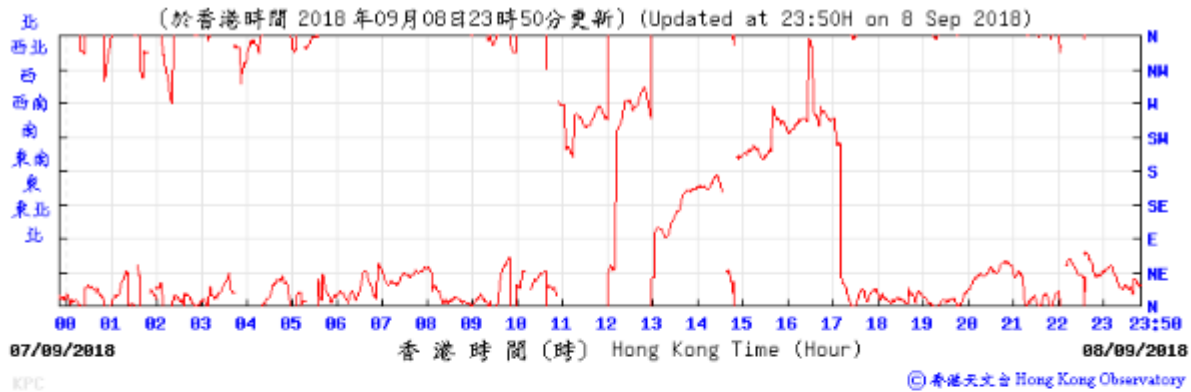
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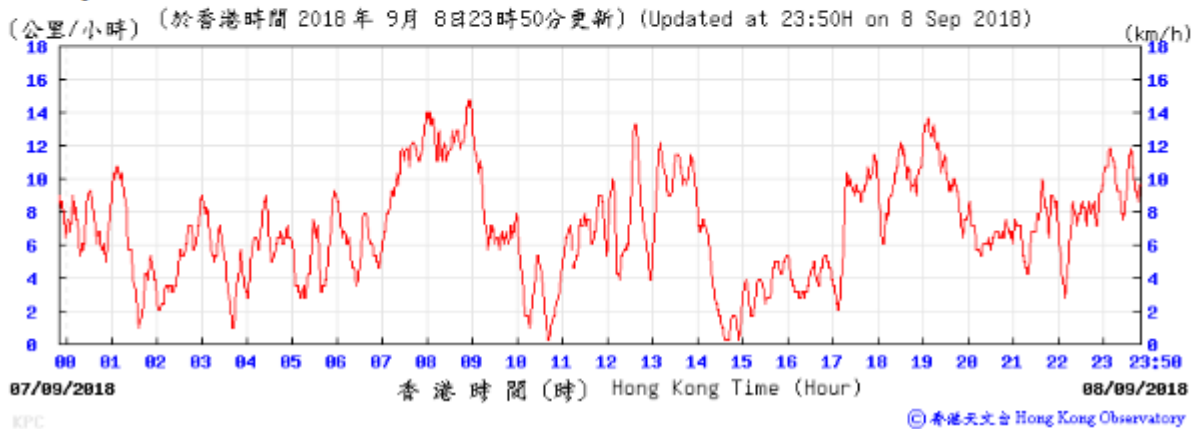
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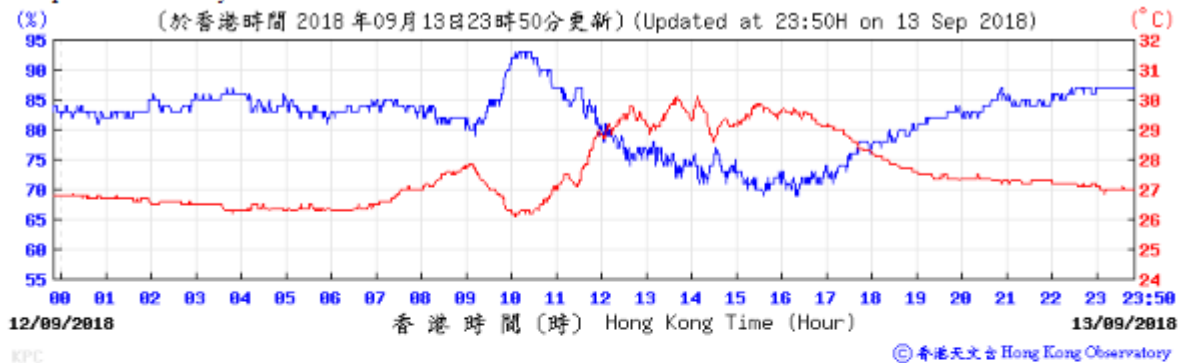
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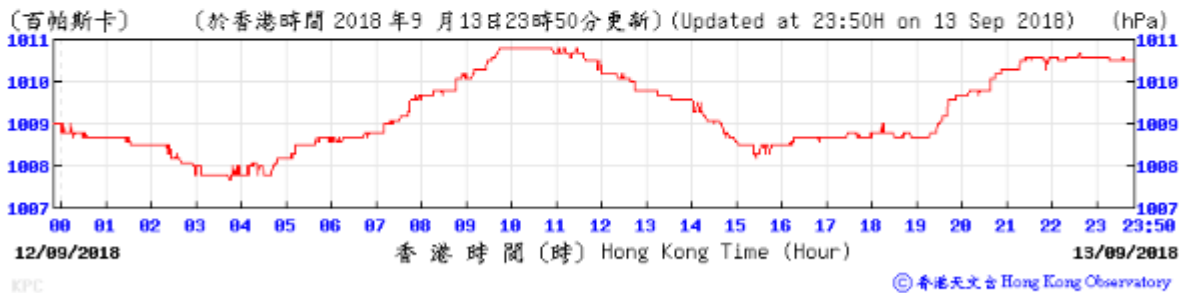
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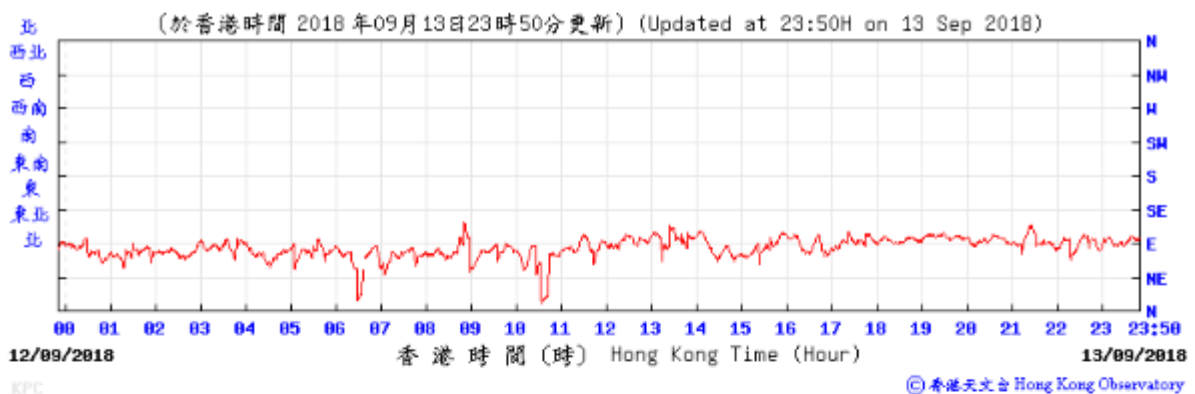
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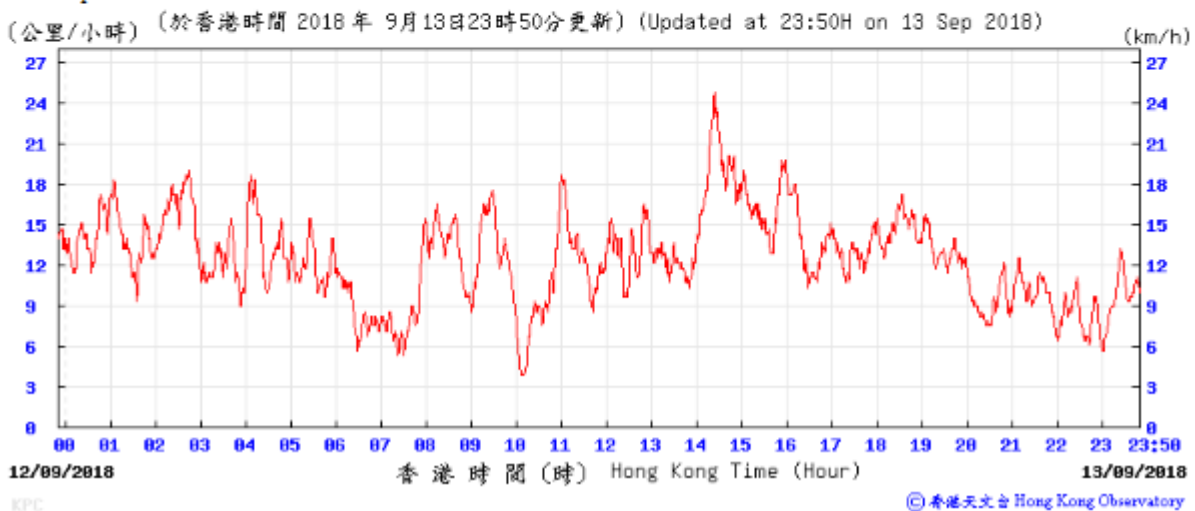
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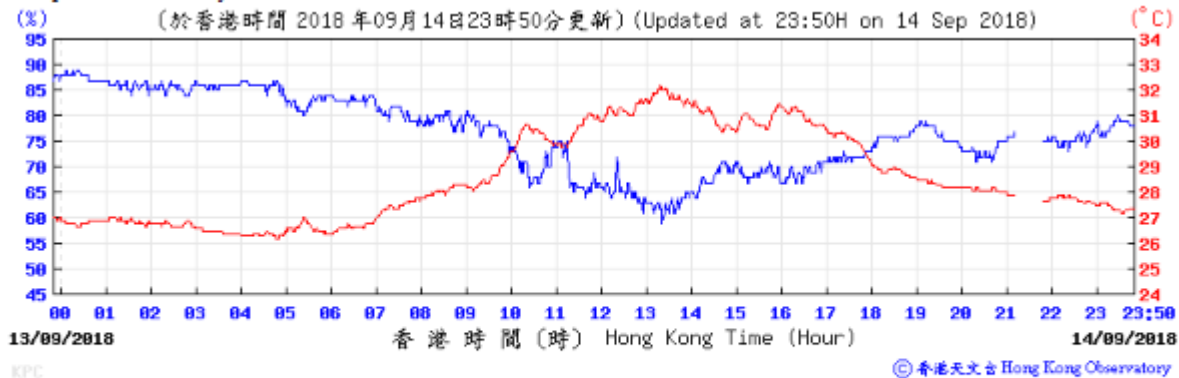
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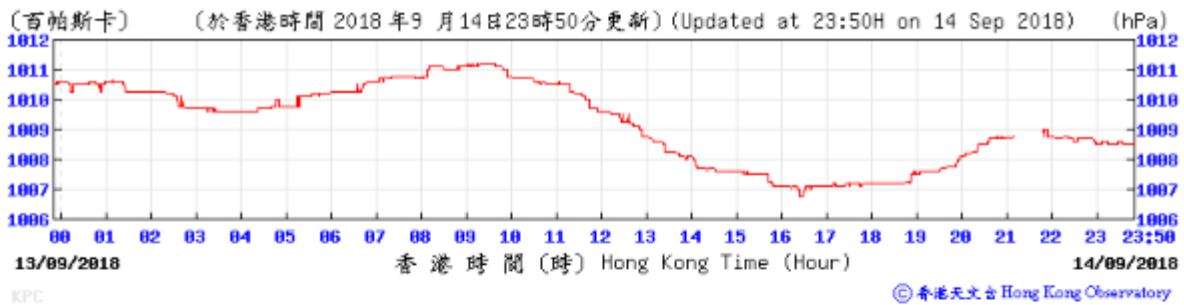
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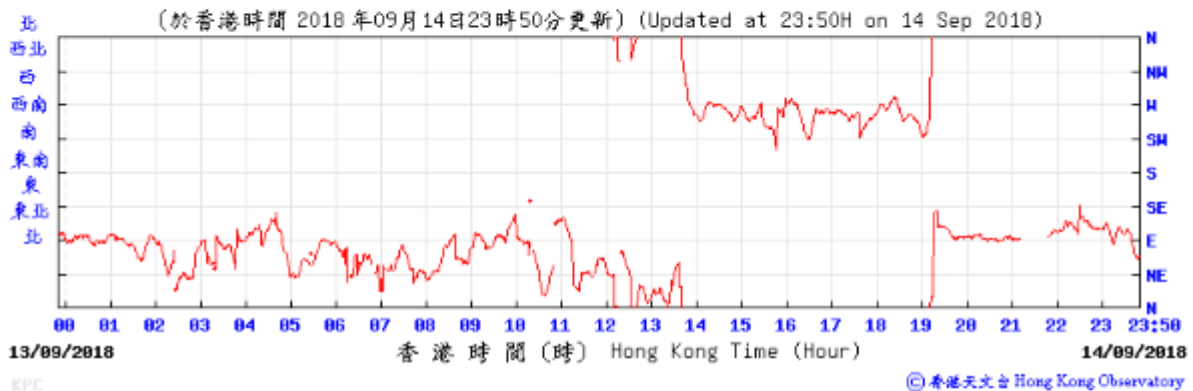
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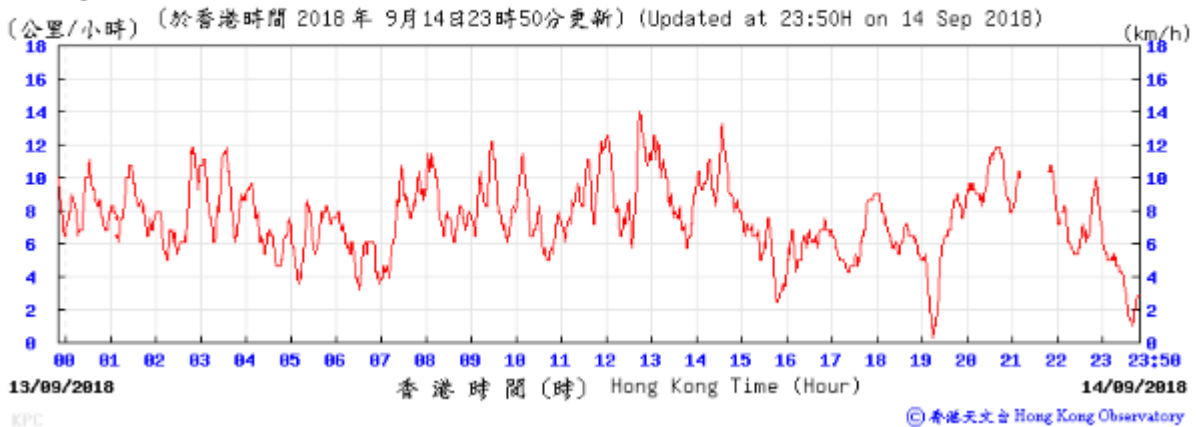
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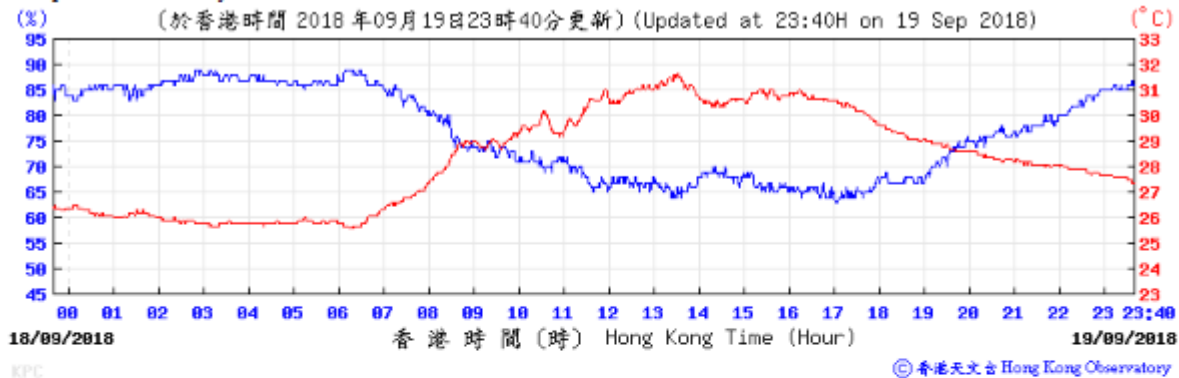
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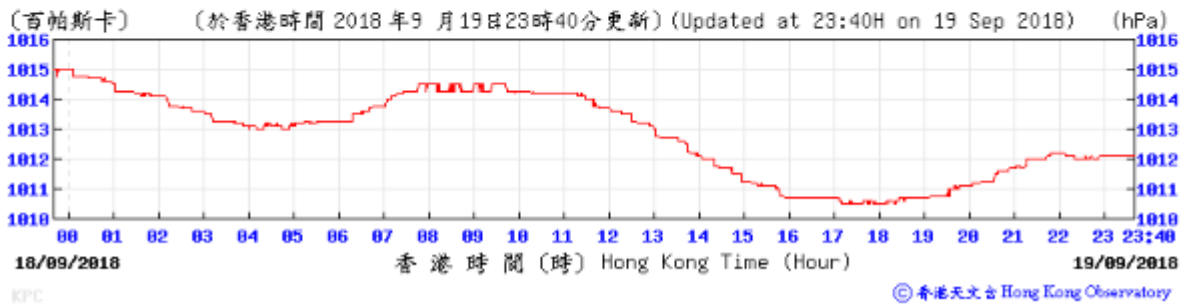
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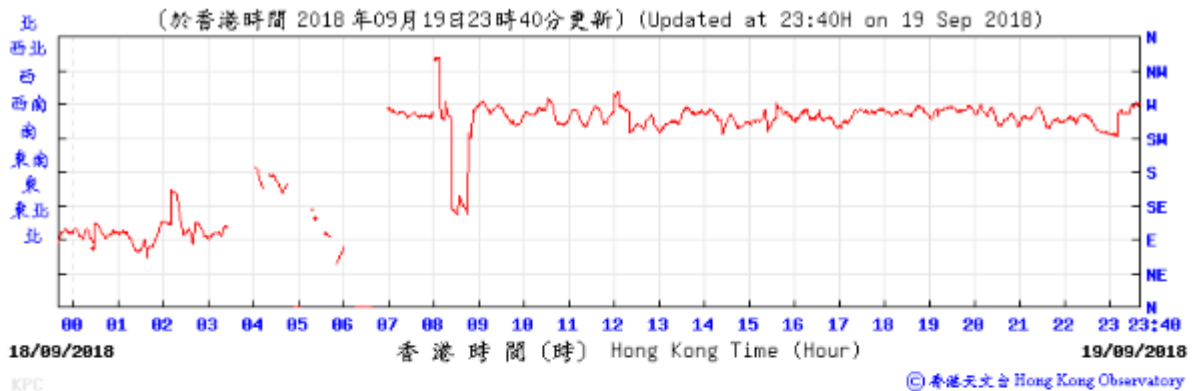
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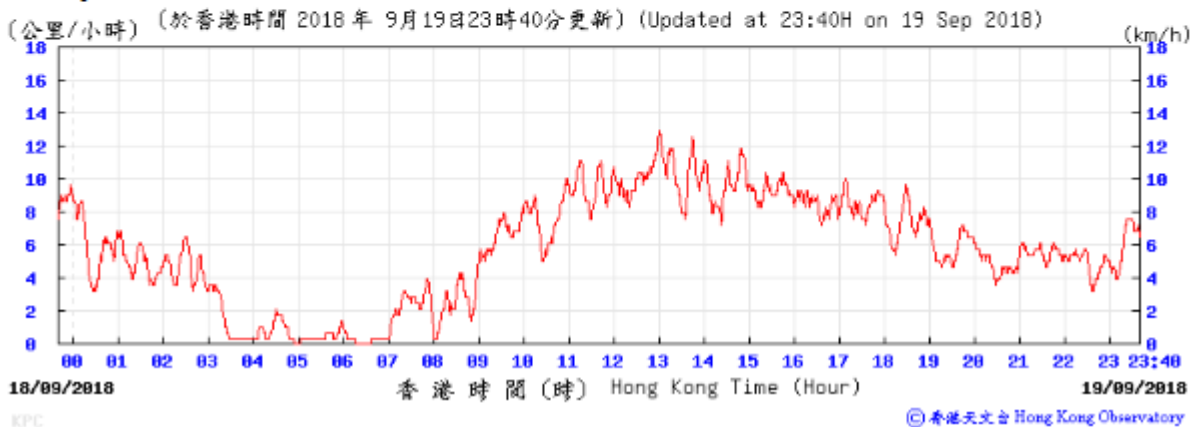
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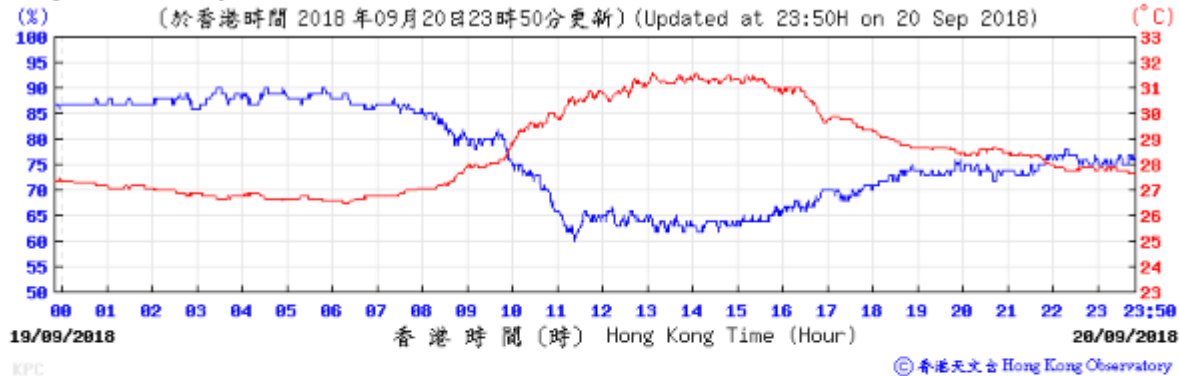
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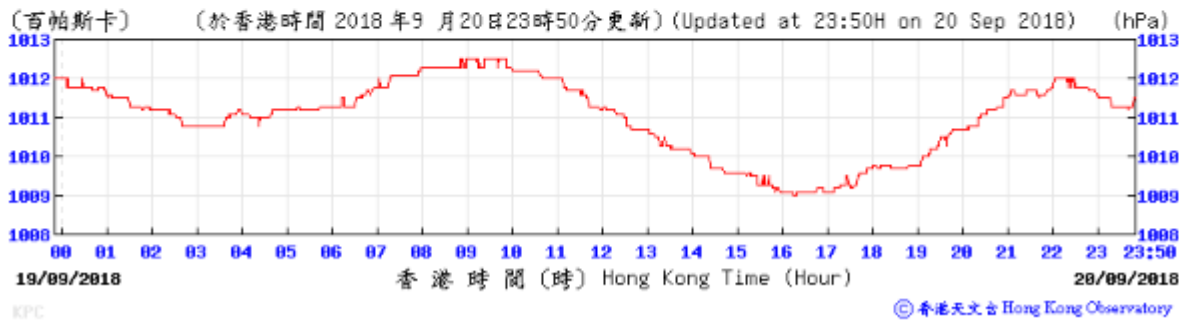
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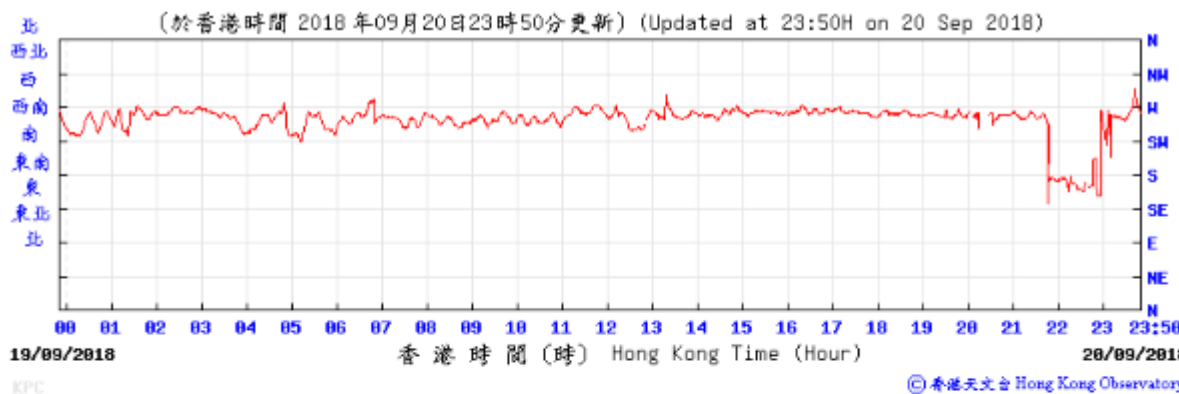
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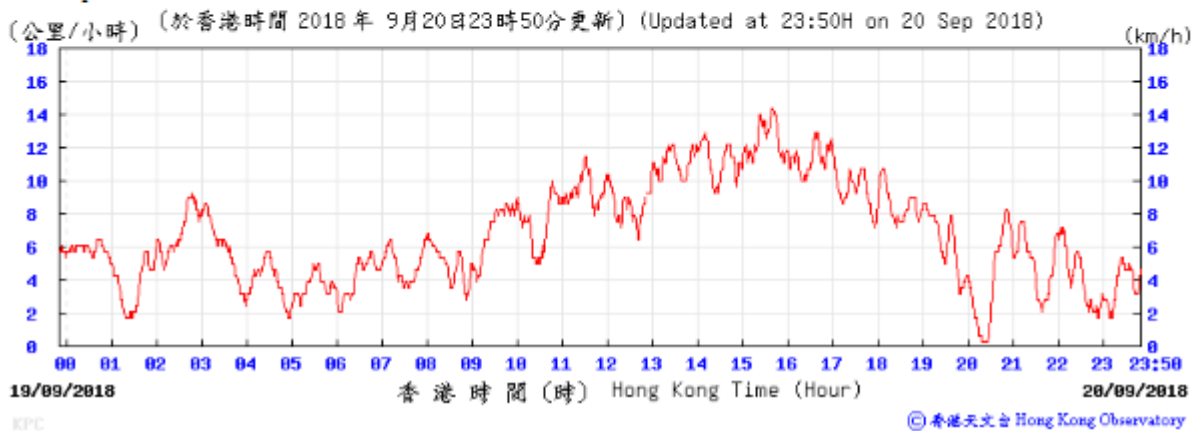
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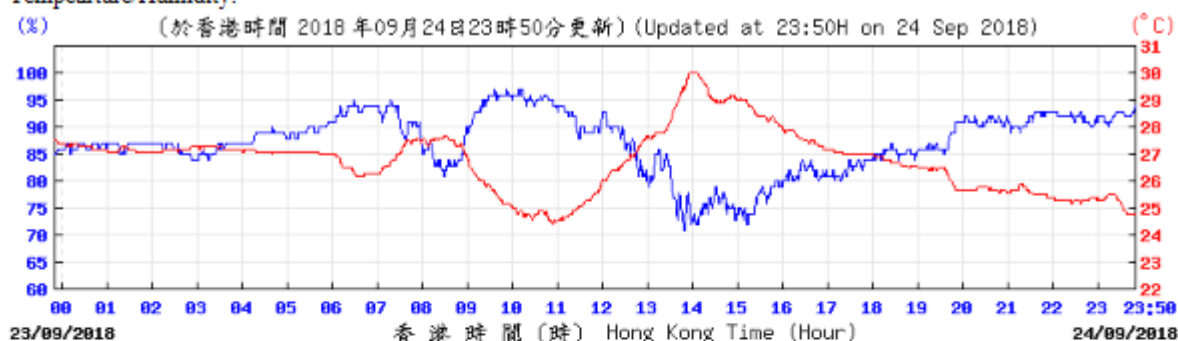
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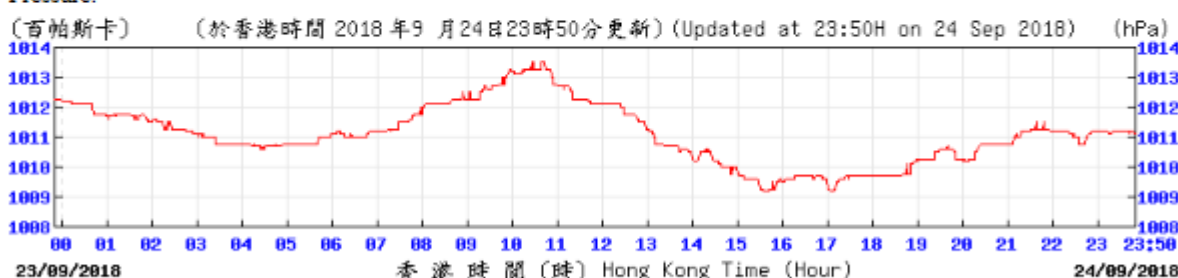


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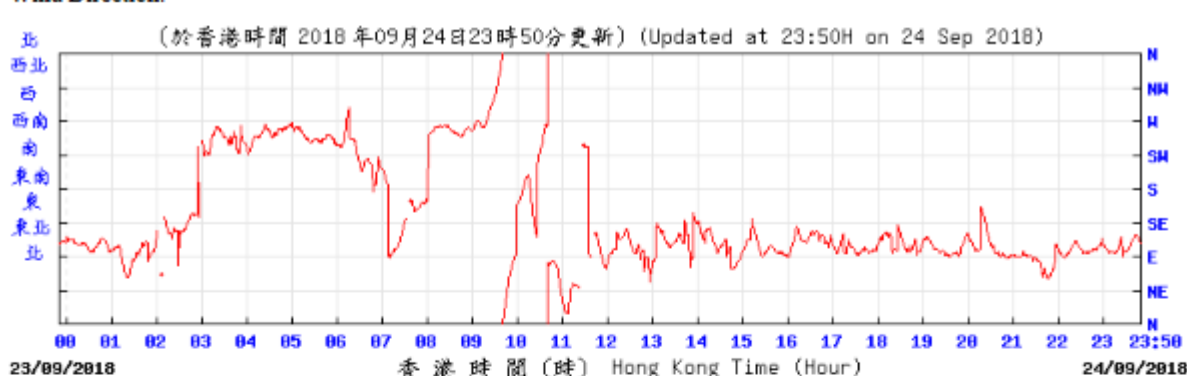
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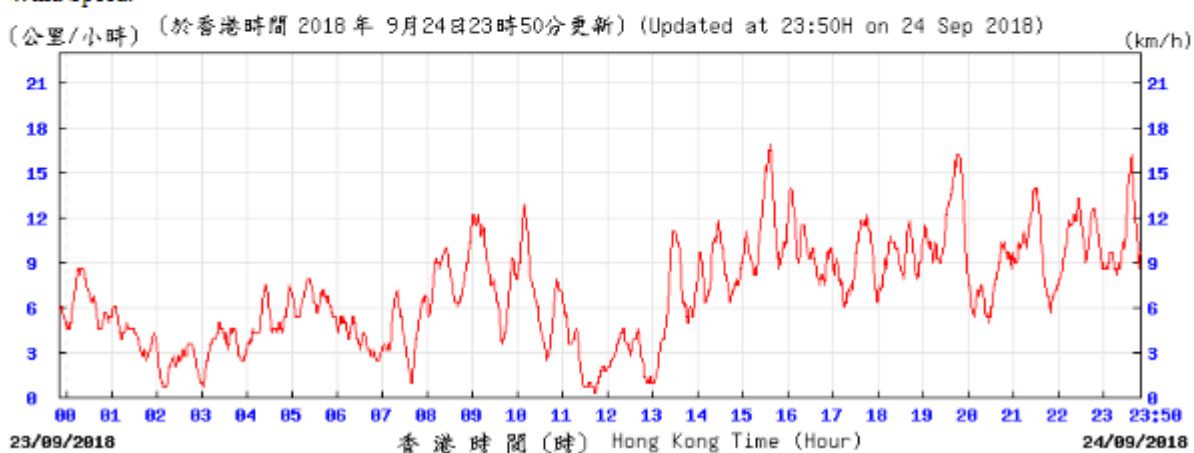
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Wind Direction:



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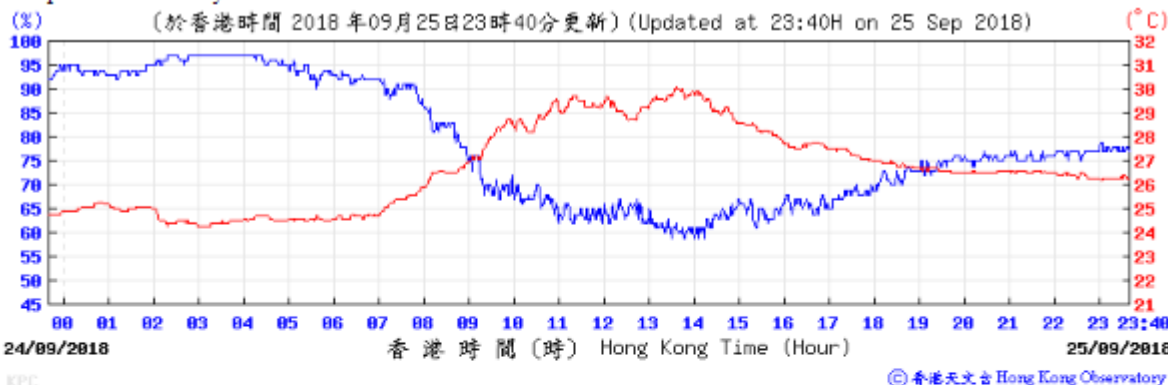
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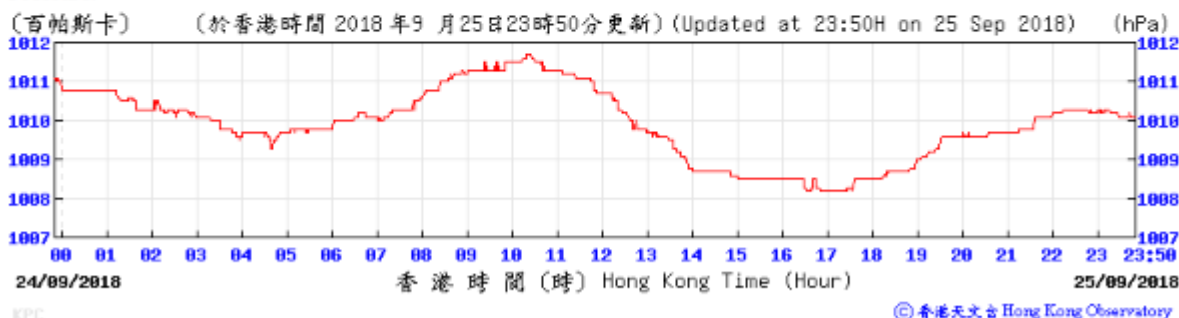
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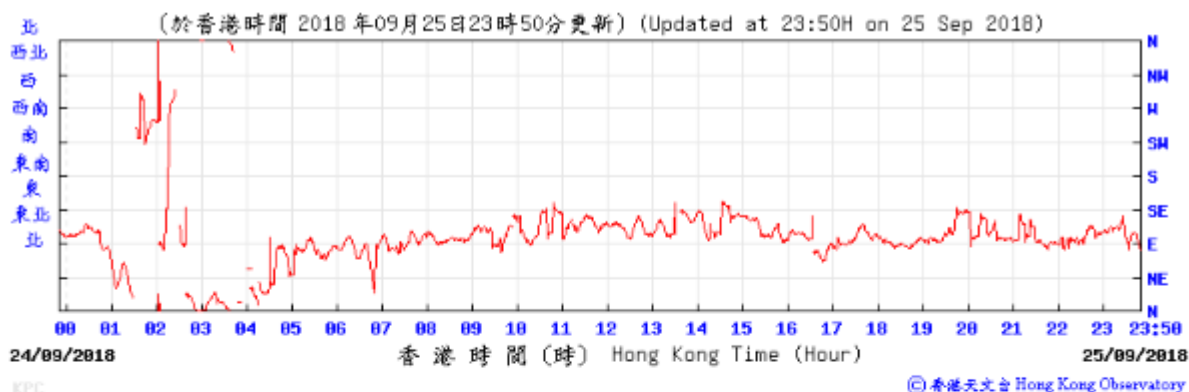
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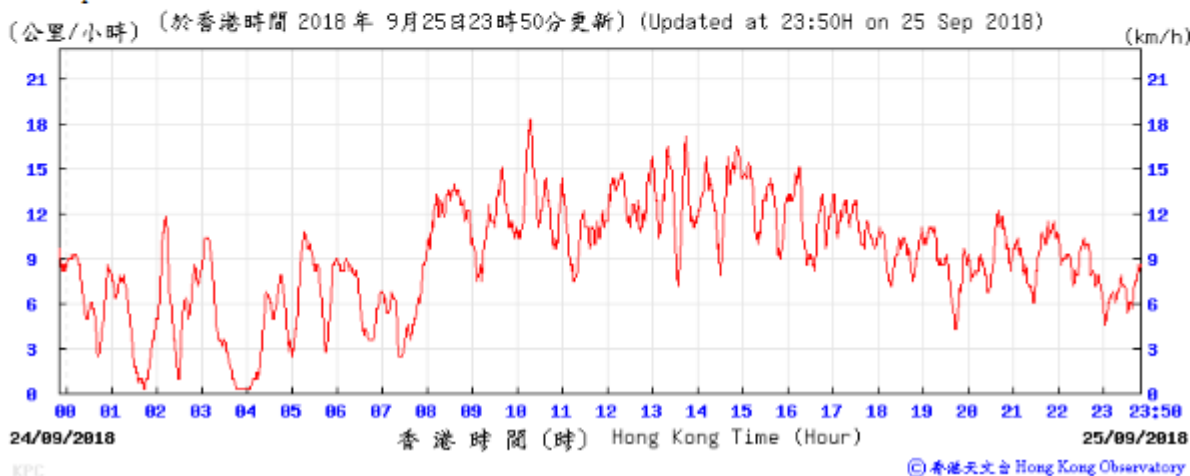
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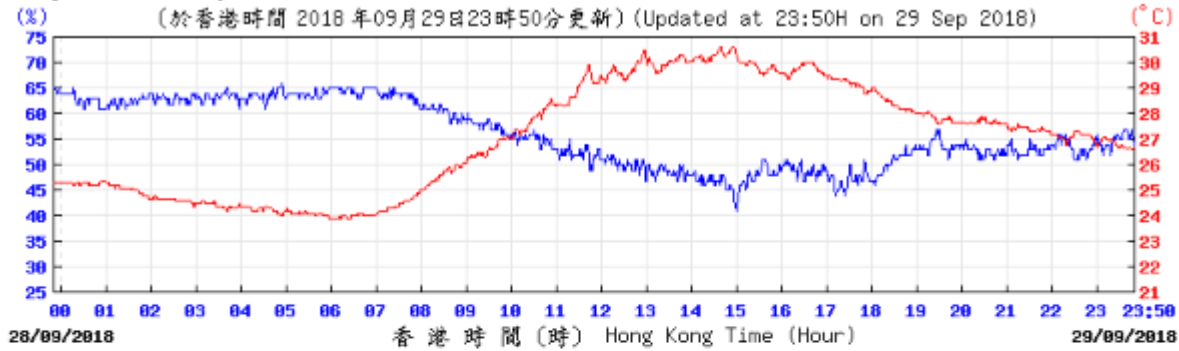
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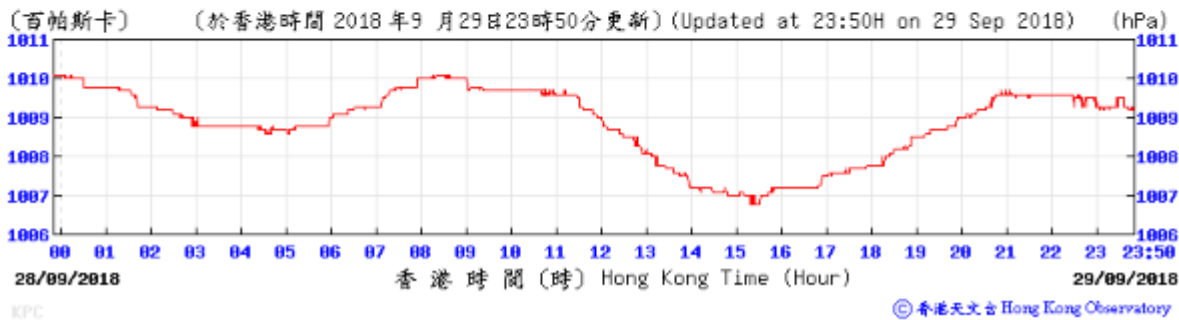
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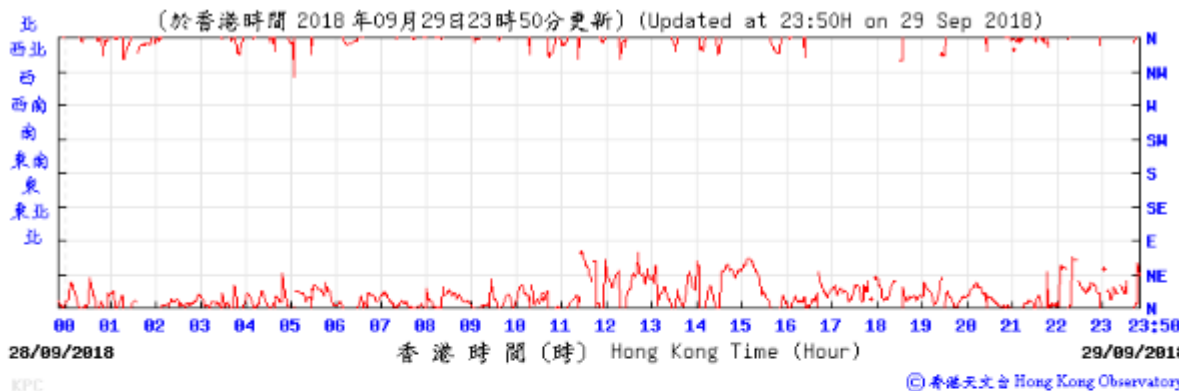
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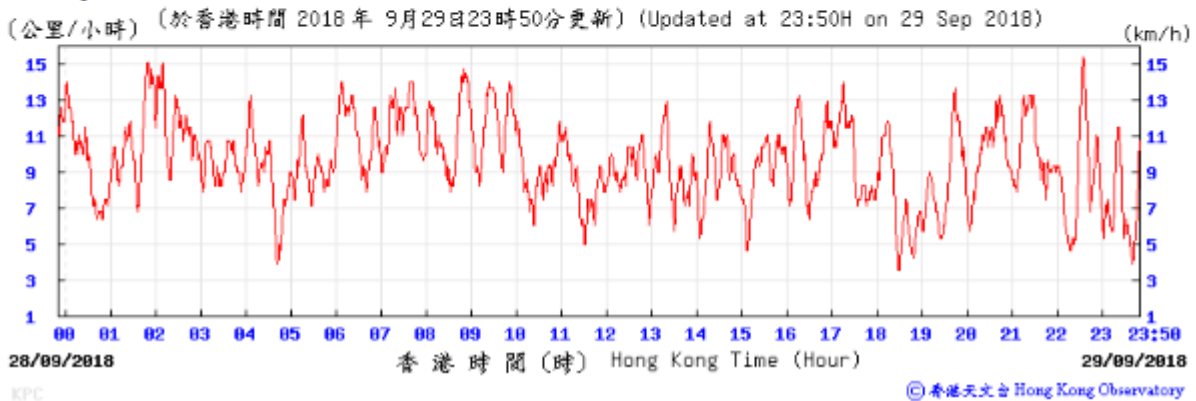
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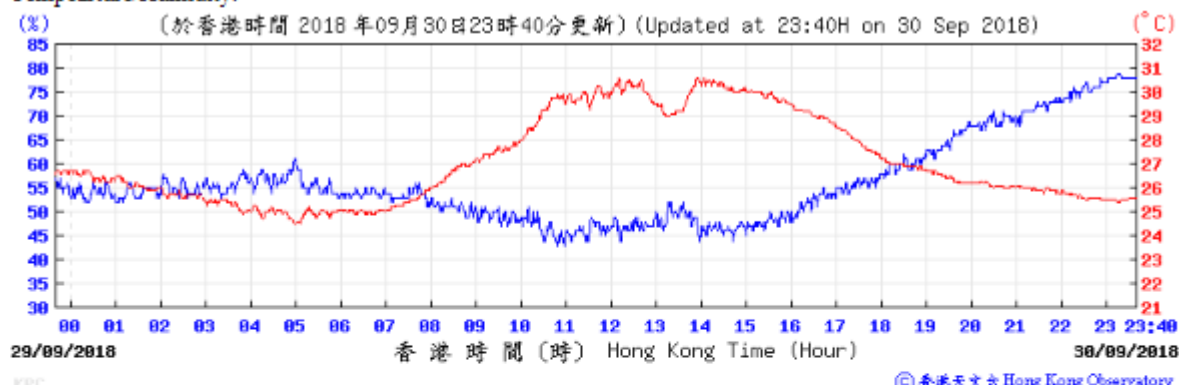
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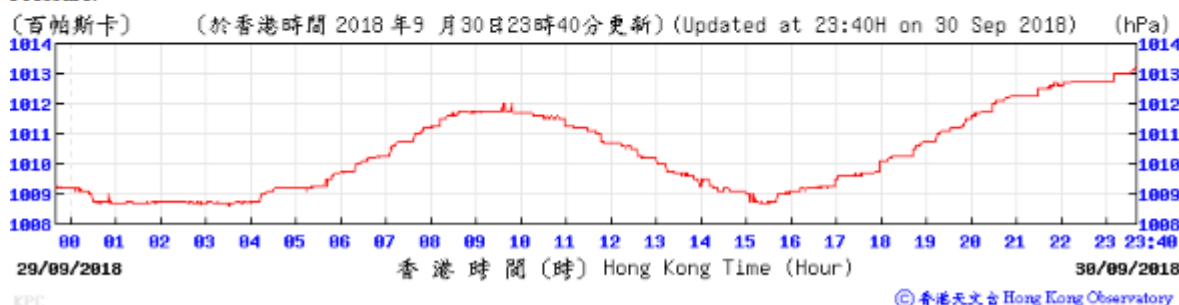
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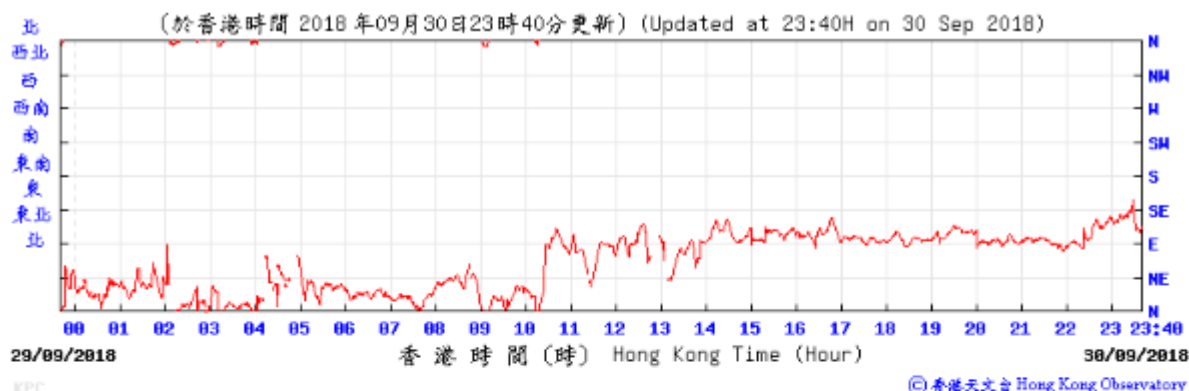
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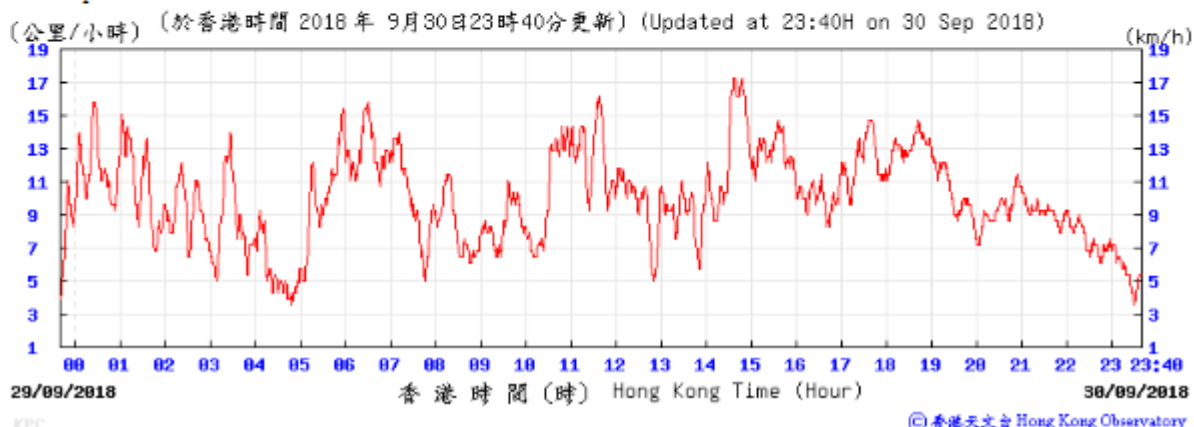
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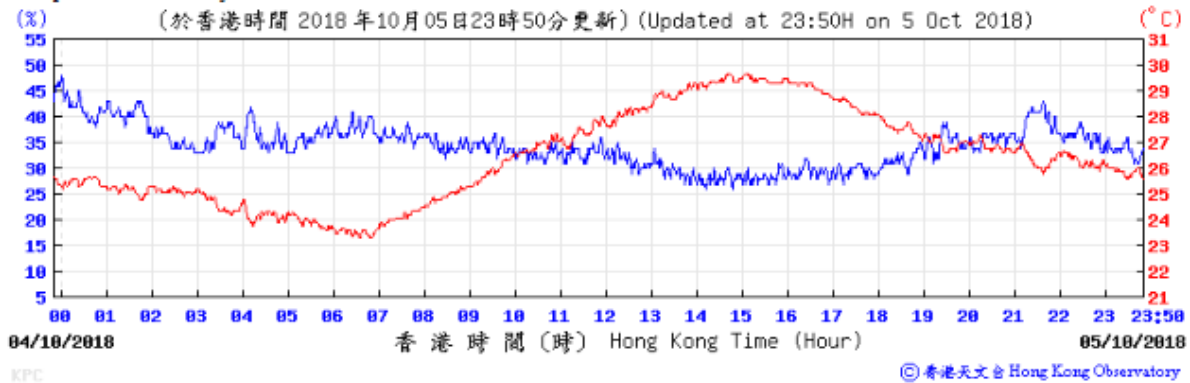
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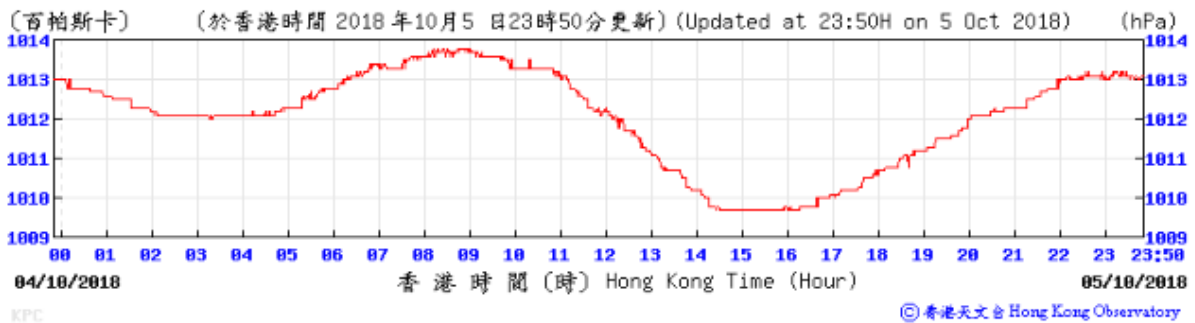
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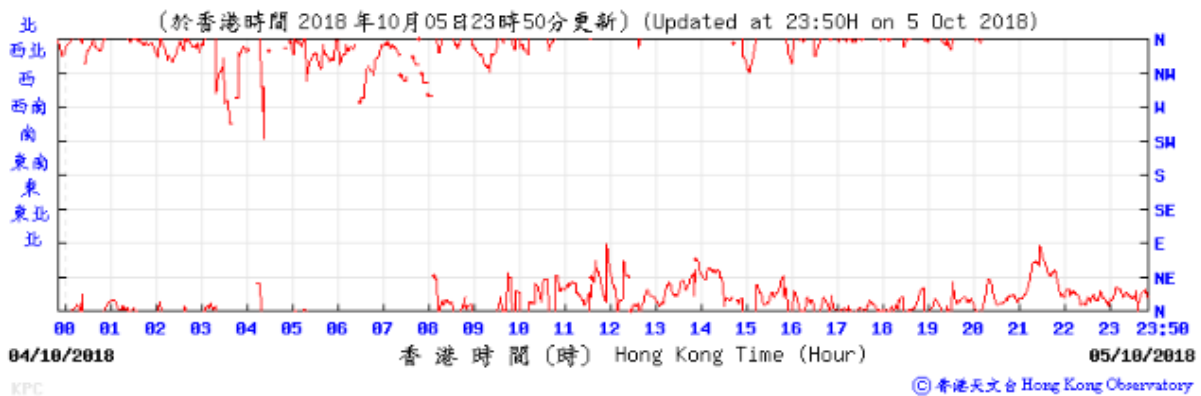
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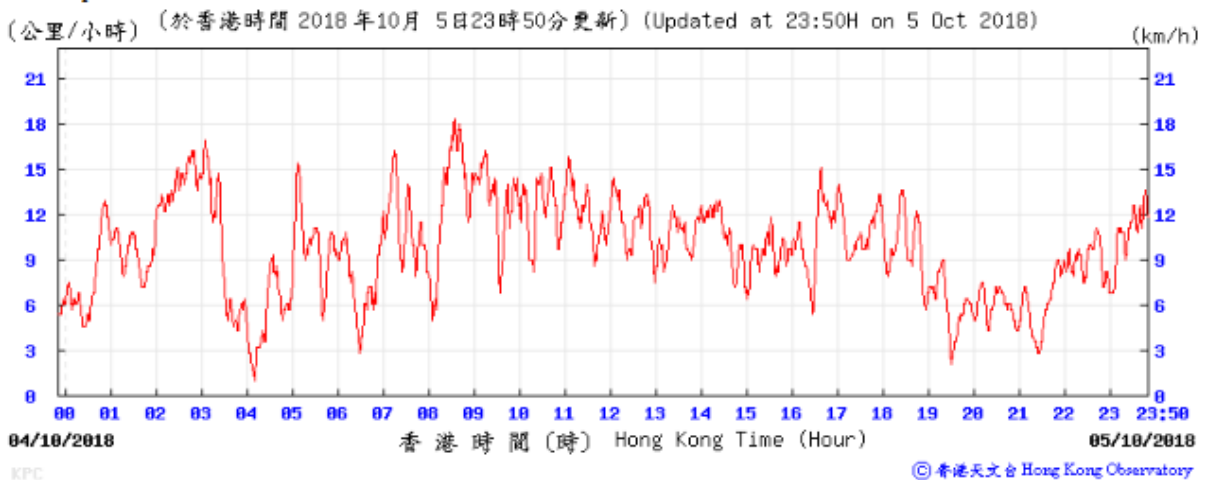
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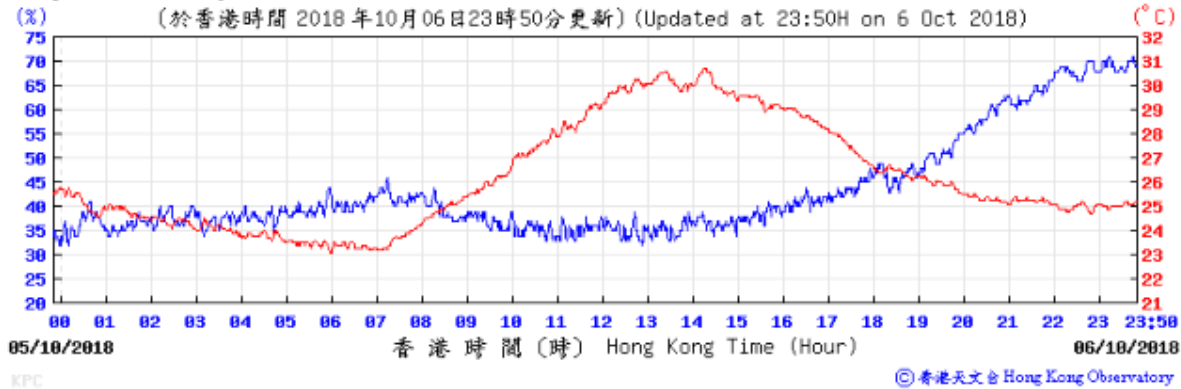
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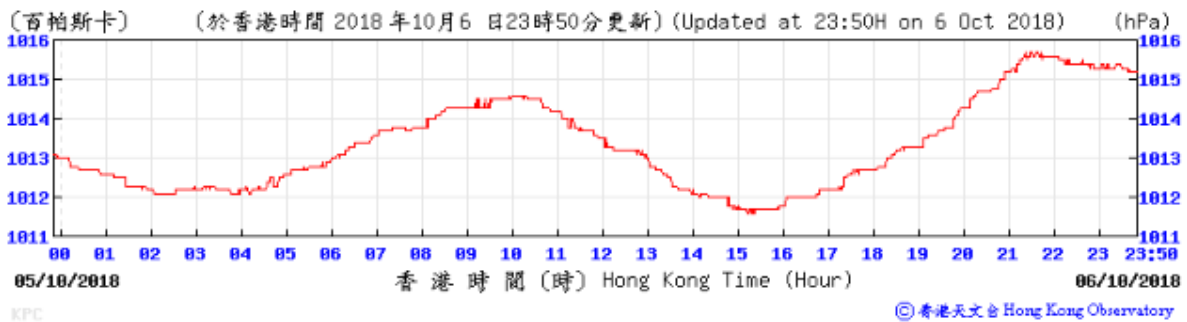
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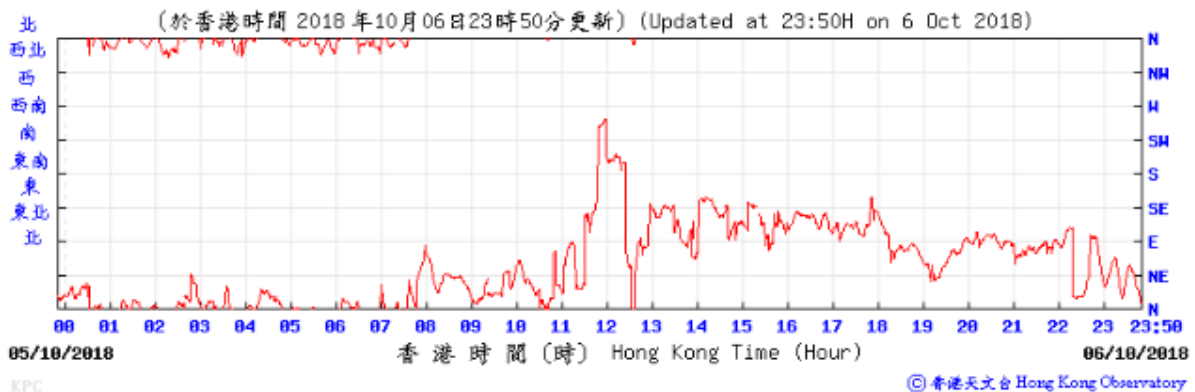
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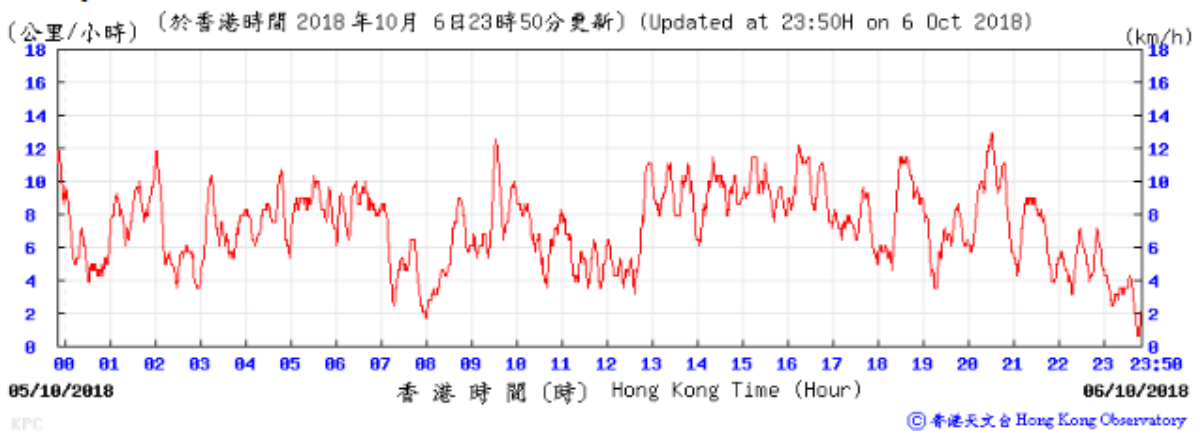
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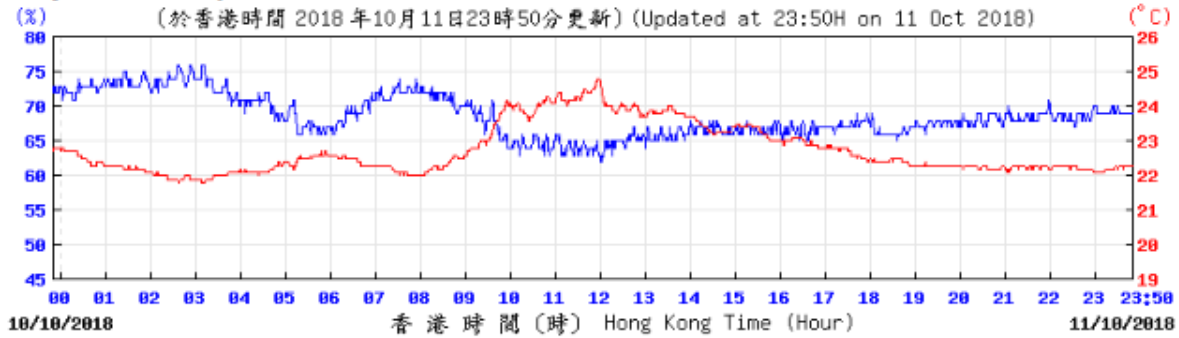
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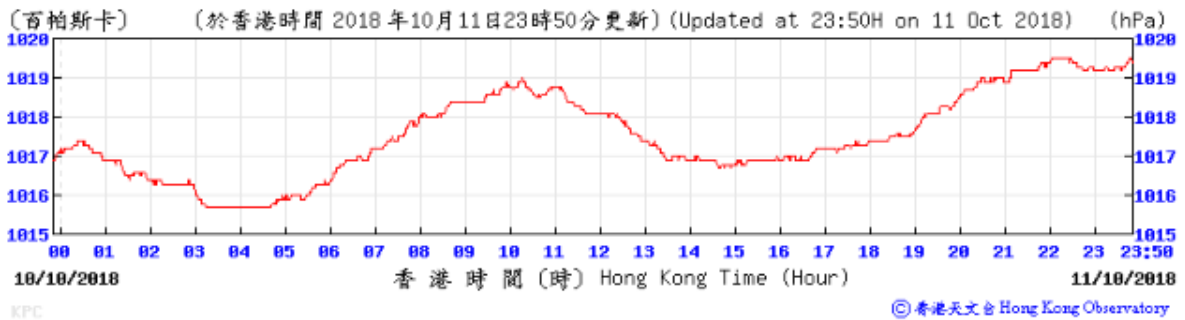
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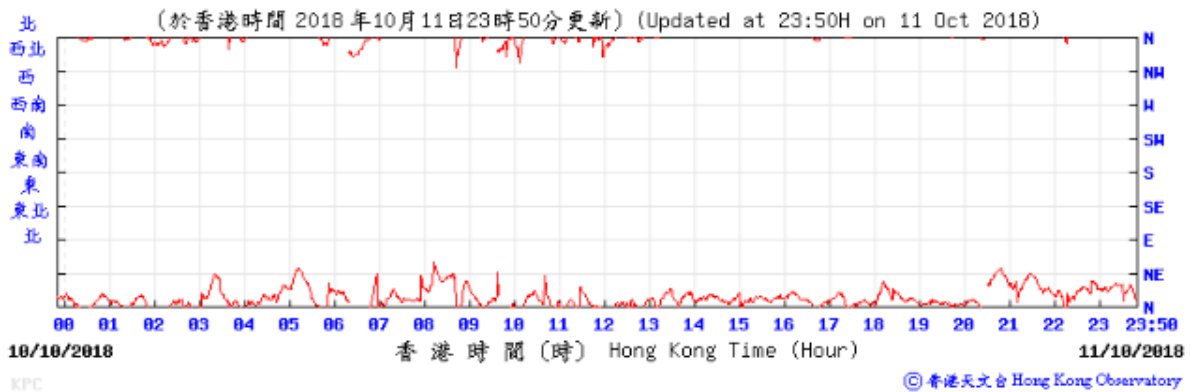
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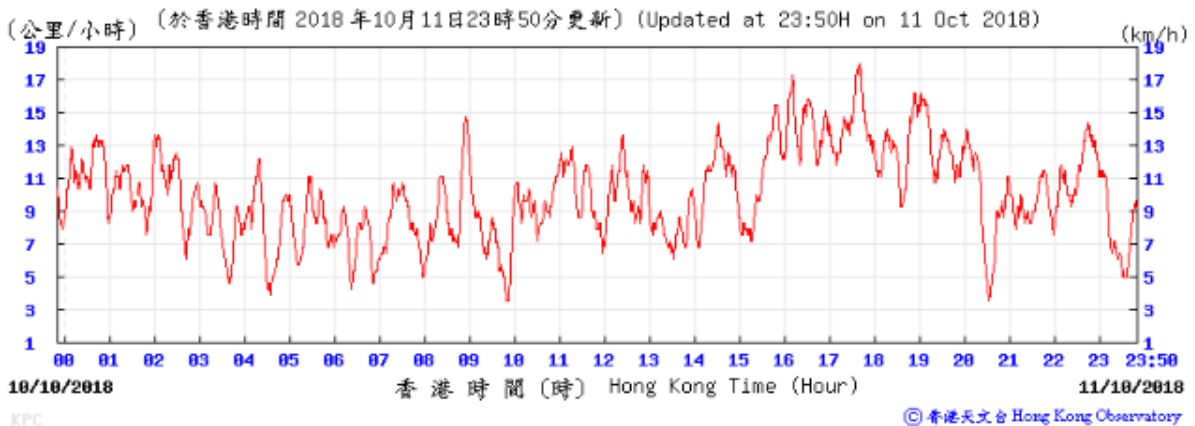
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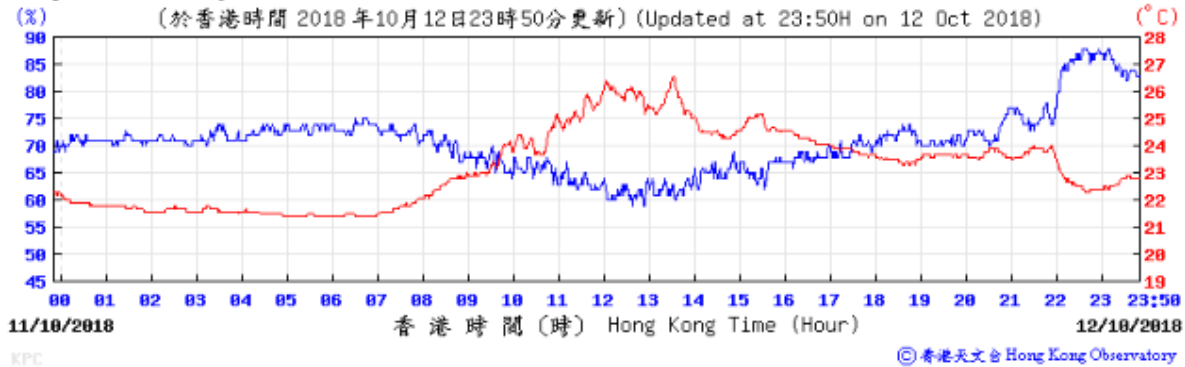
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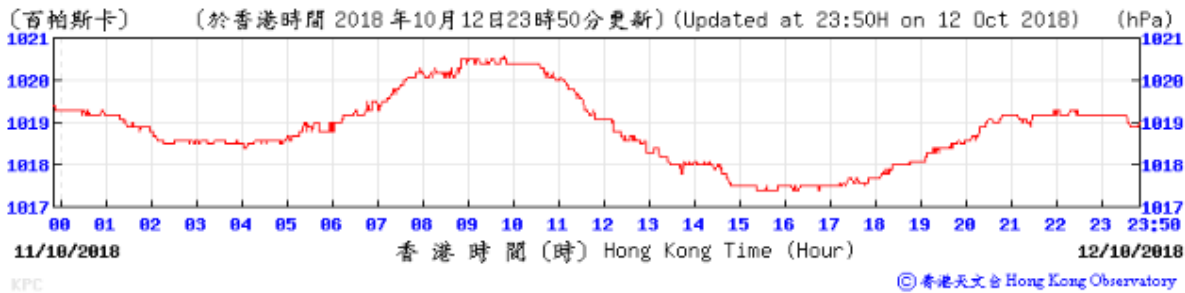
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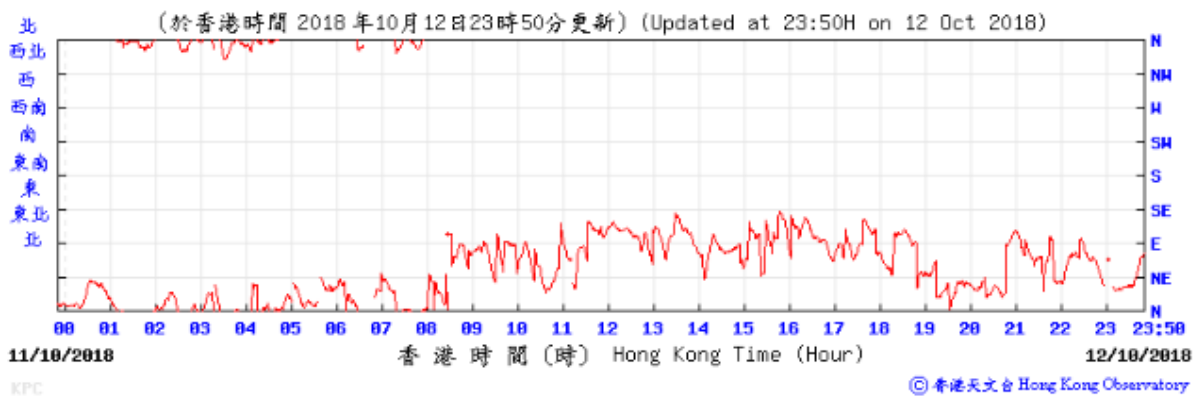
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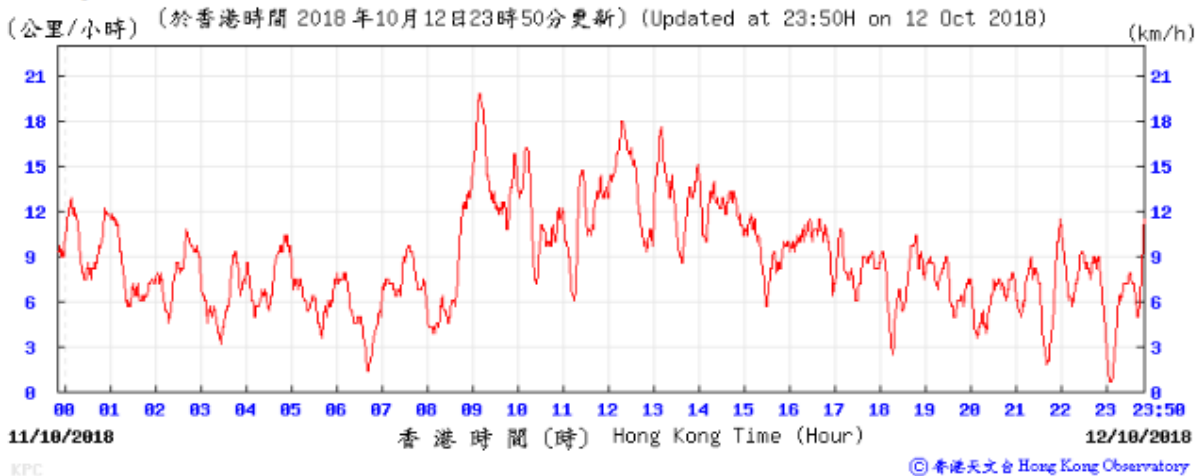
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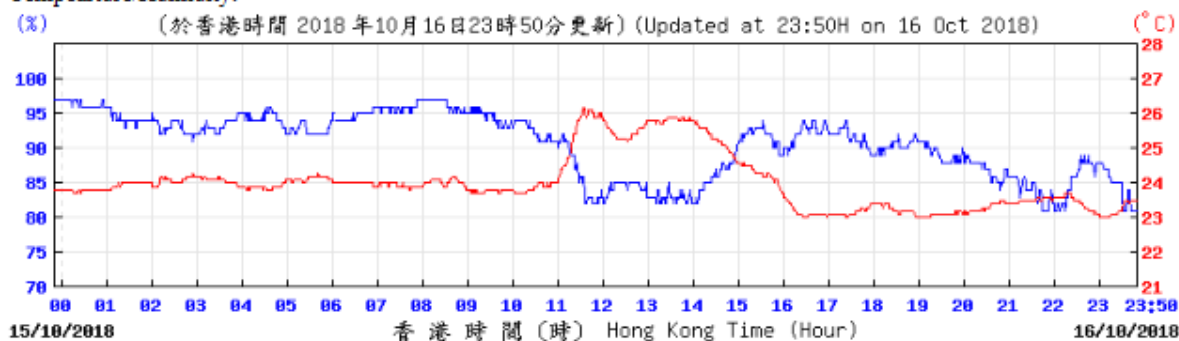
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Wind Speed:

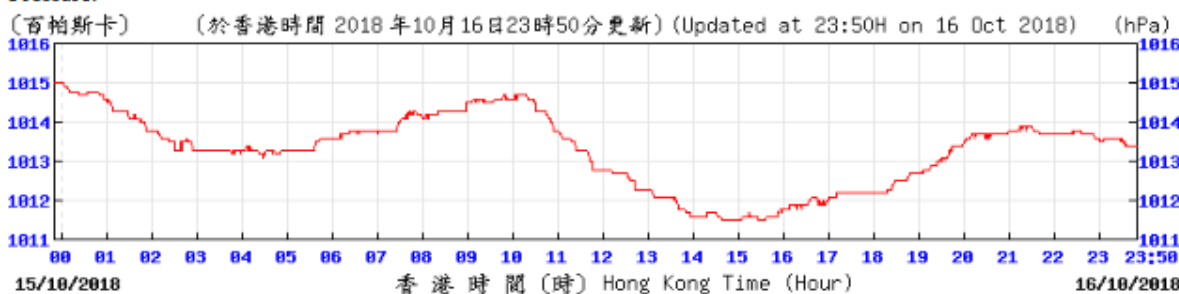


Temperature/Humidity:



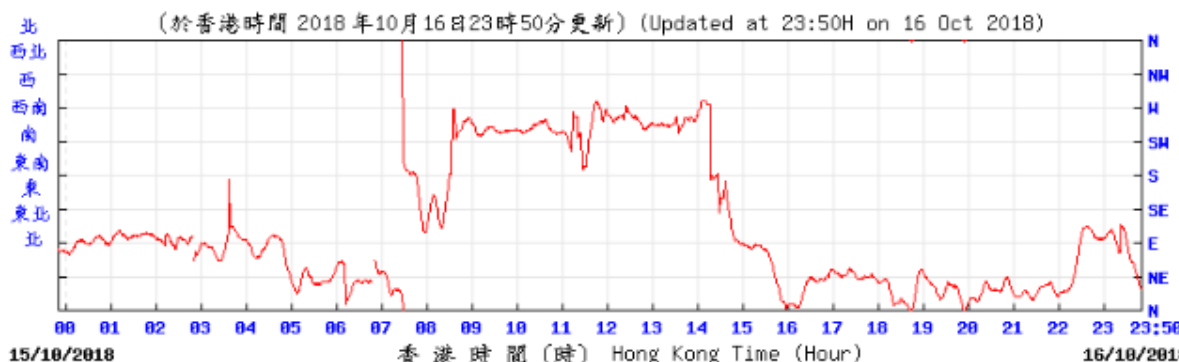
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Pressure:



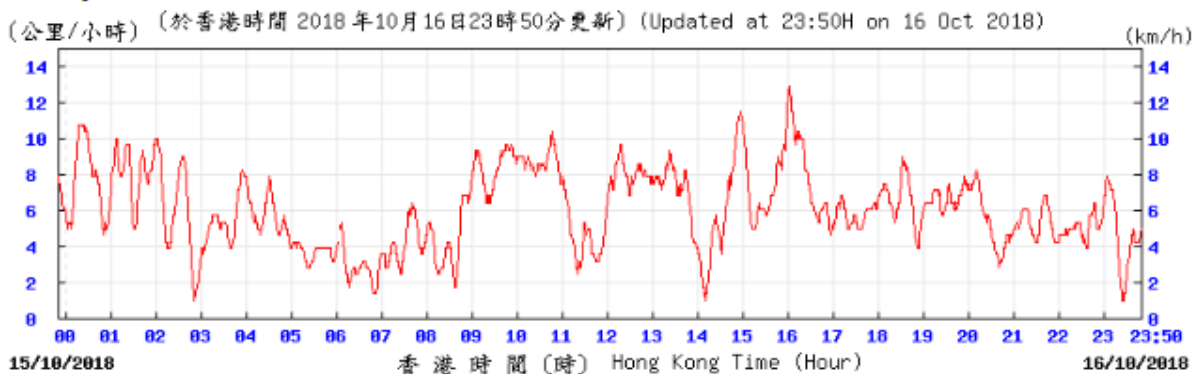
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Wind Direction:



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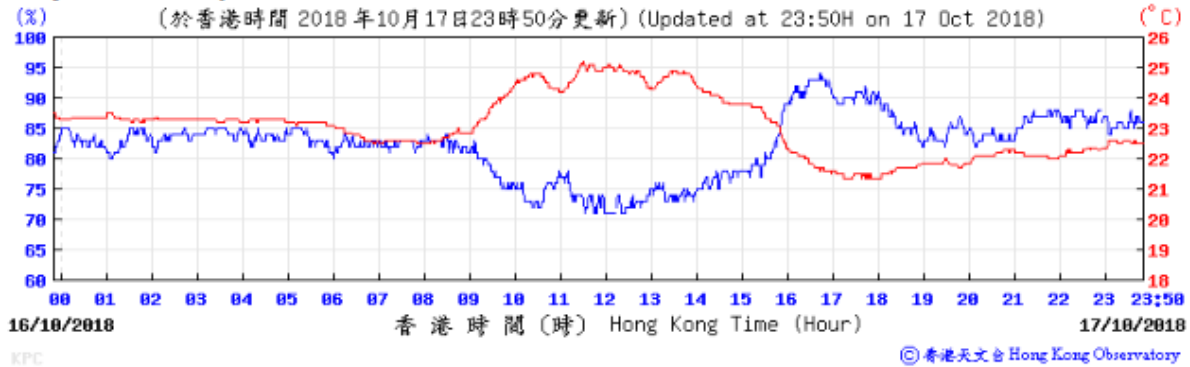
Wind Speed:



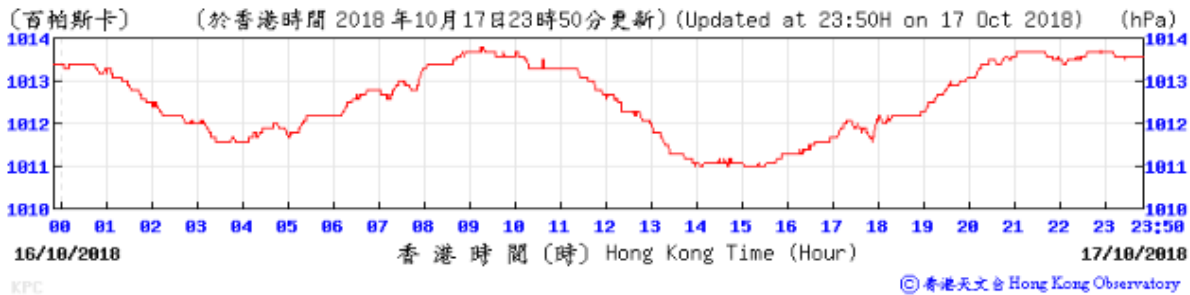
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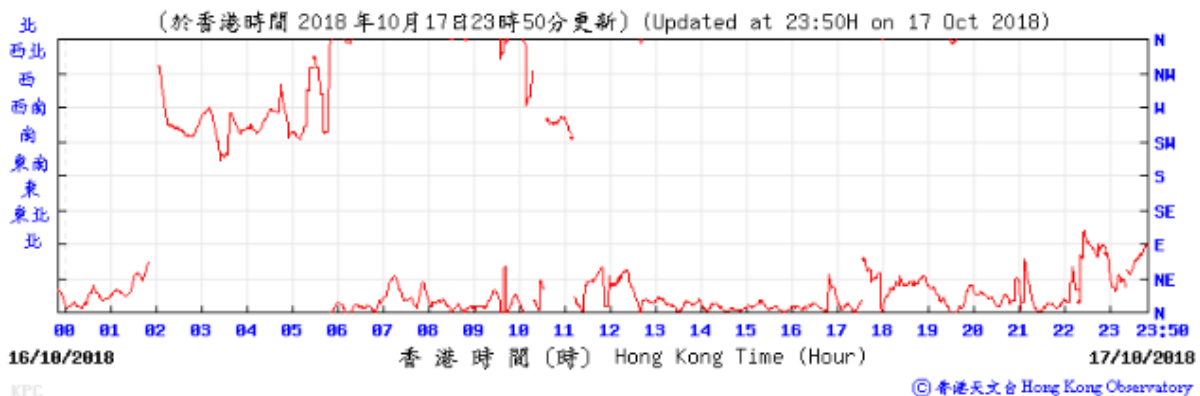
Temperature/Humidity:



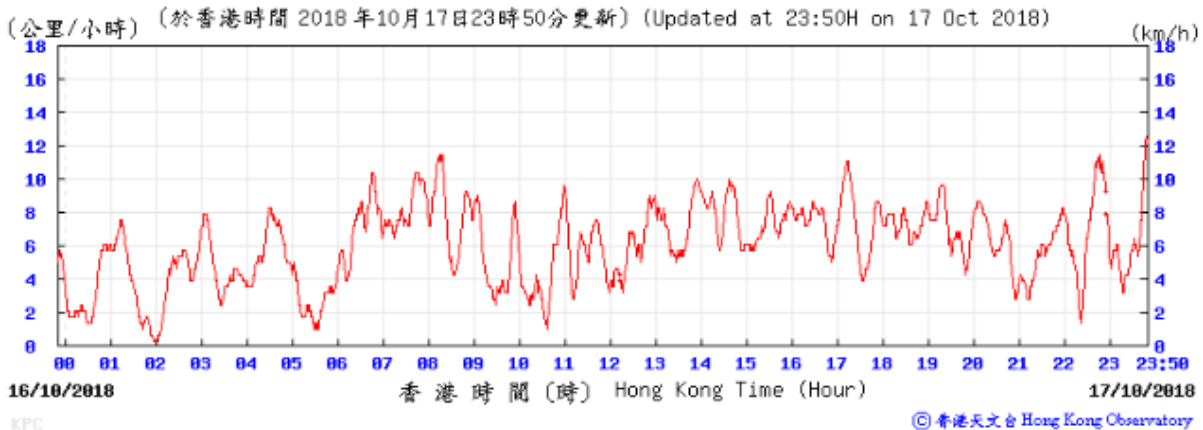
Pressure:



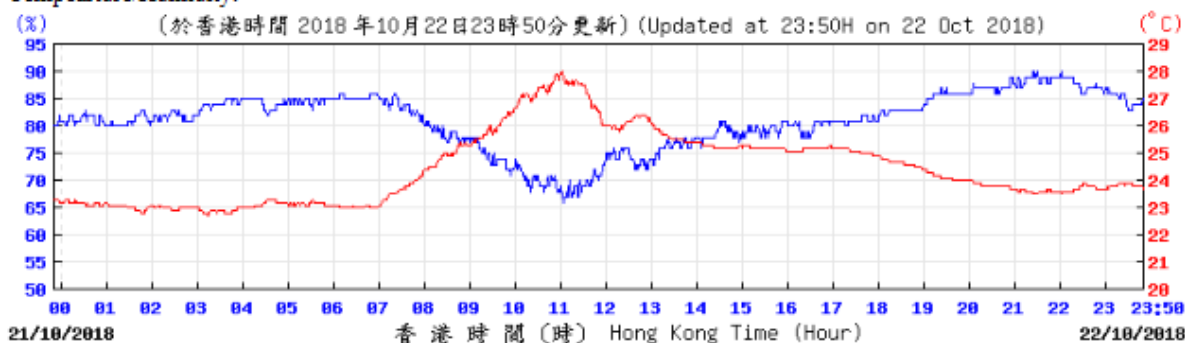
Wind Direction:



Wind Speed:

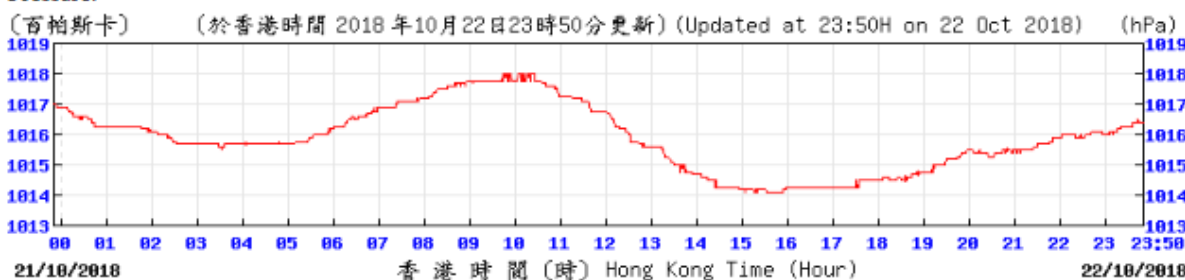


Temperature/Humidity:



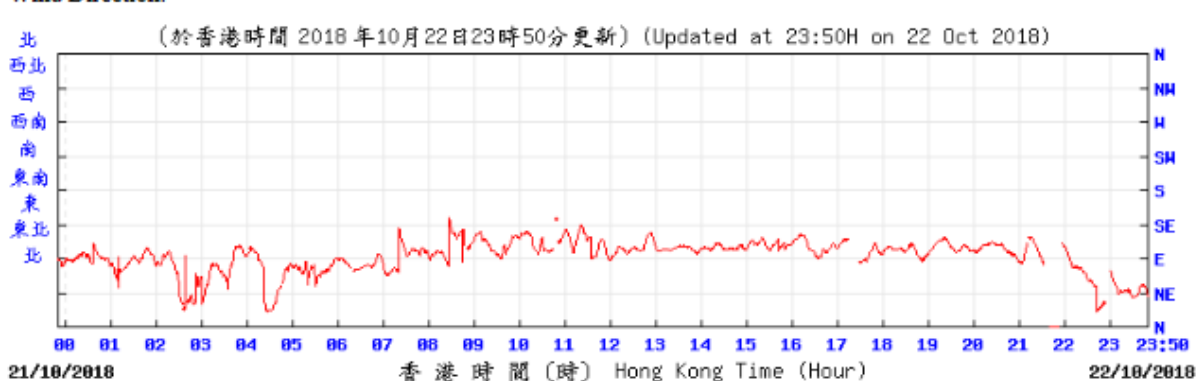
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Pressure:



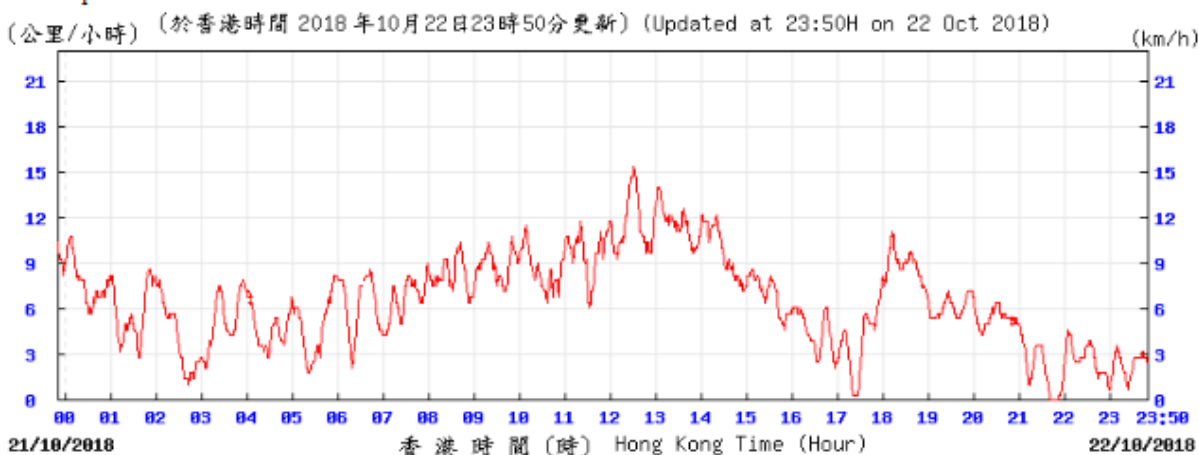
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Wind Direction:



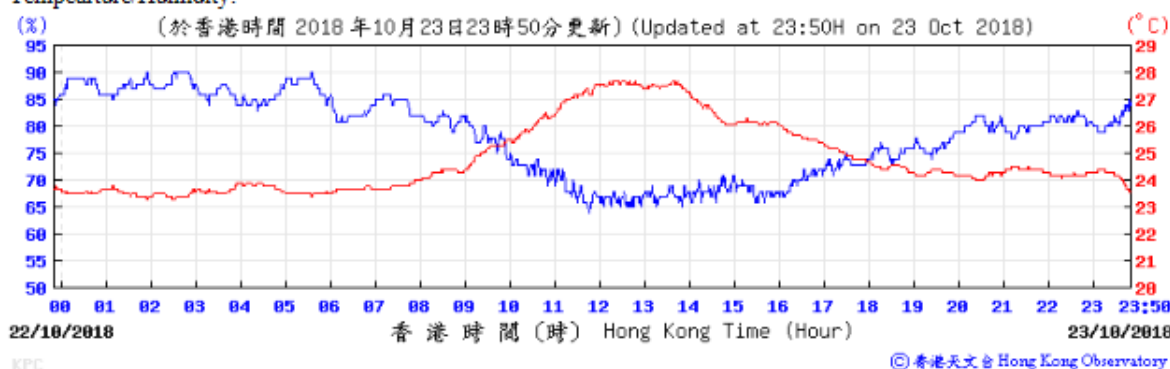
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Wind Speed:

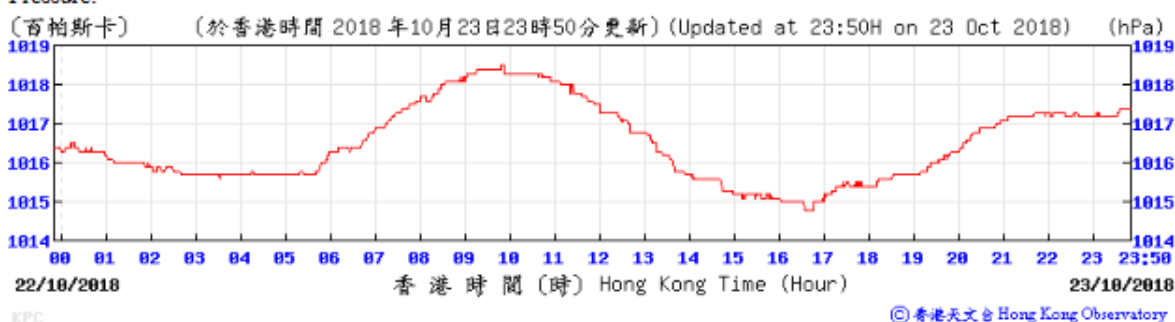


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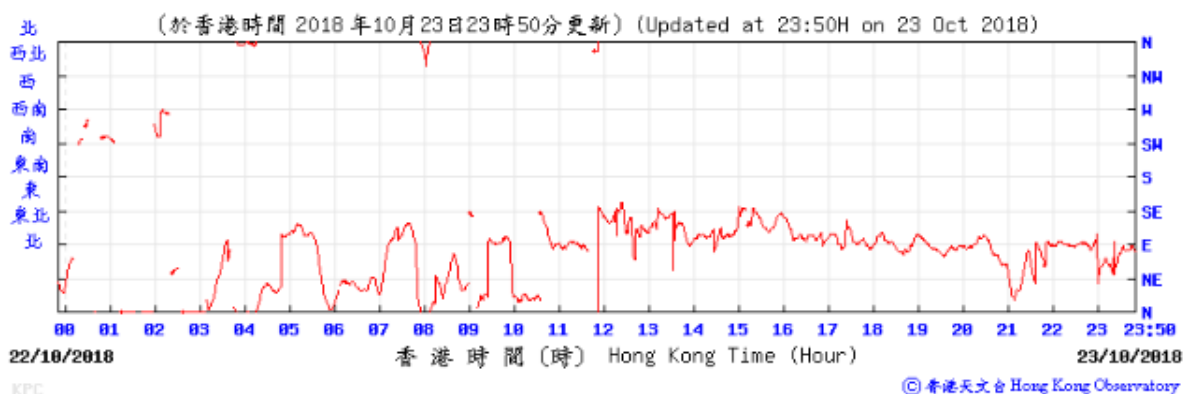
Temperature/Humidity:



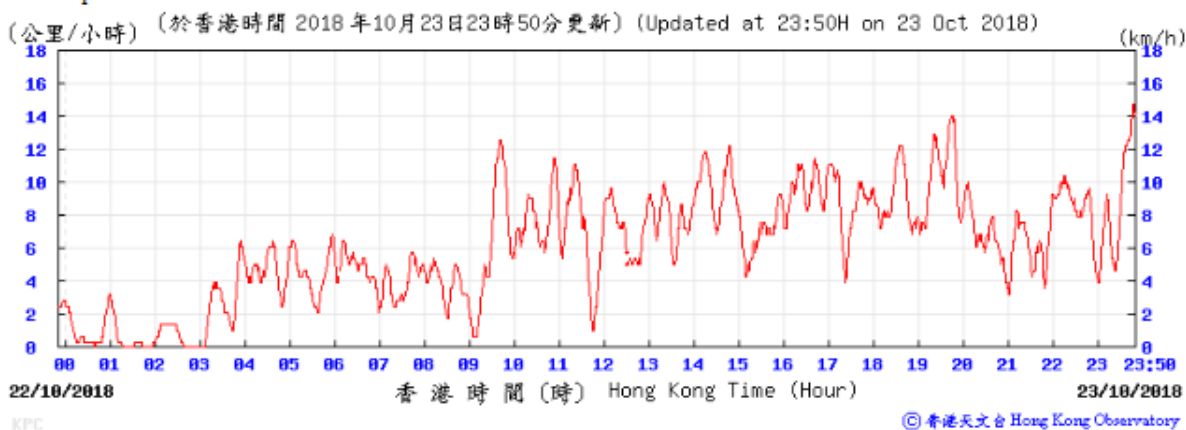
Pressure:



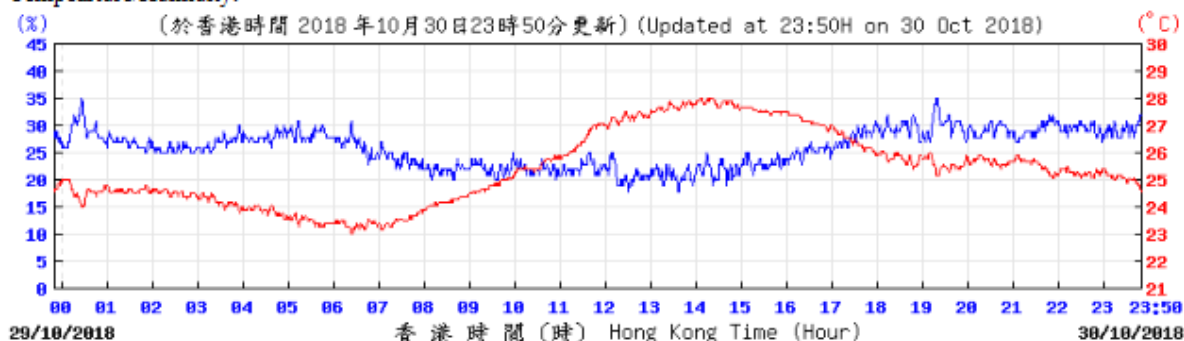
Wind Direction:



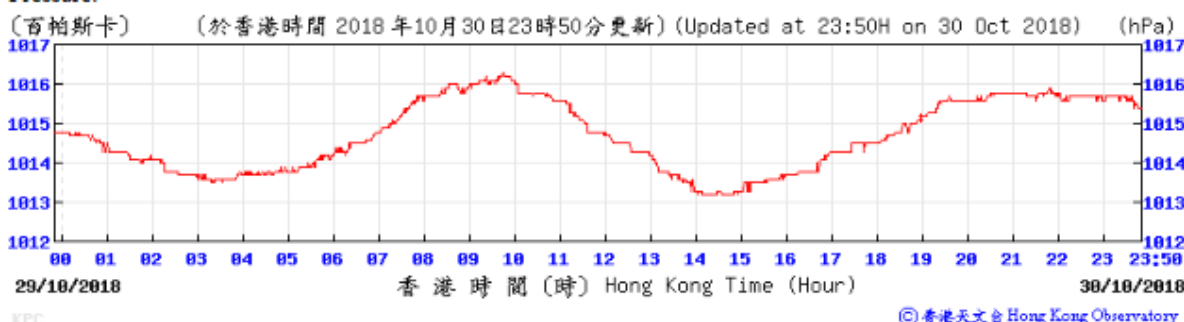
Wind Speed:



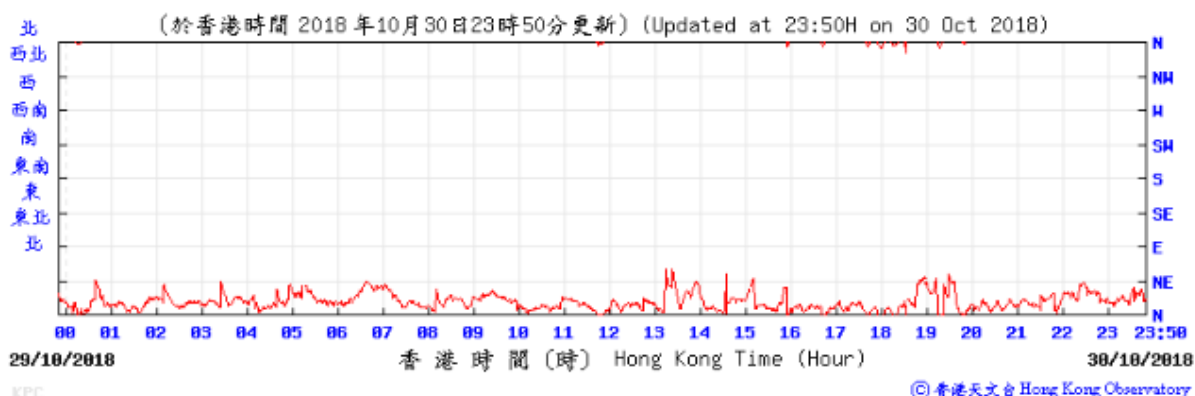
Temperature/Humidity:



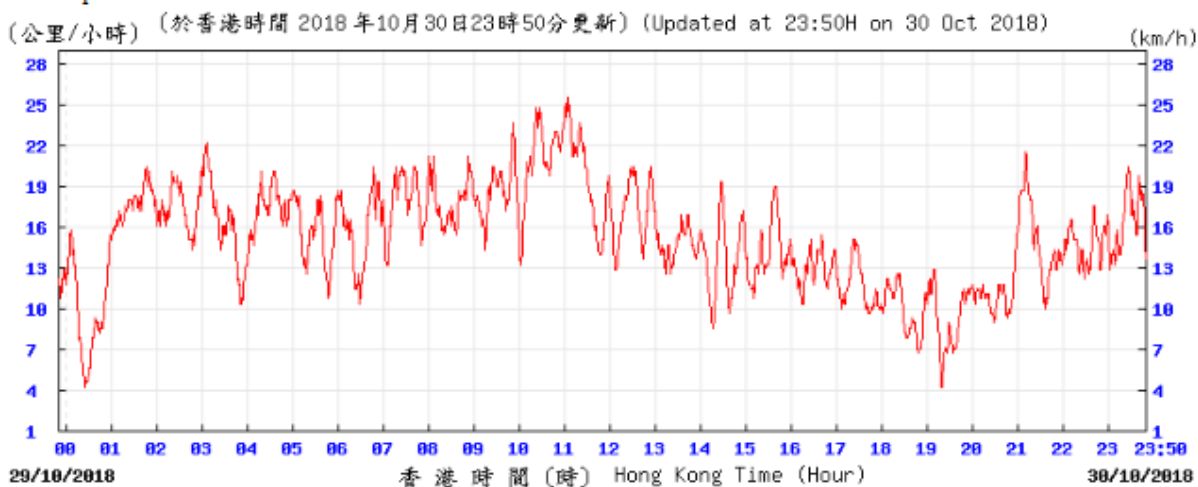
Pressure:



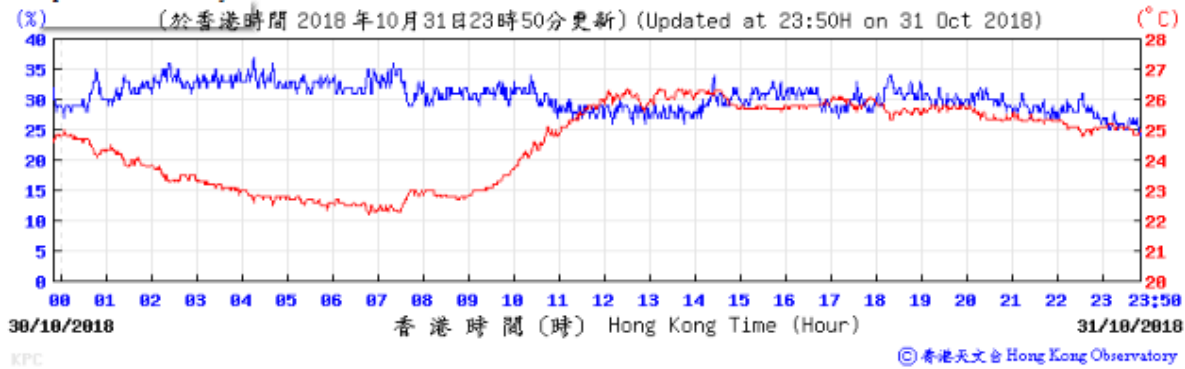
Wind Direction:



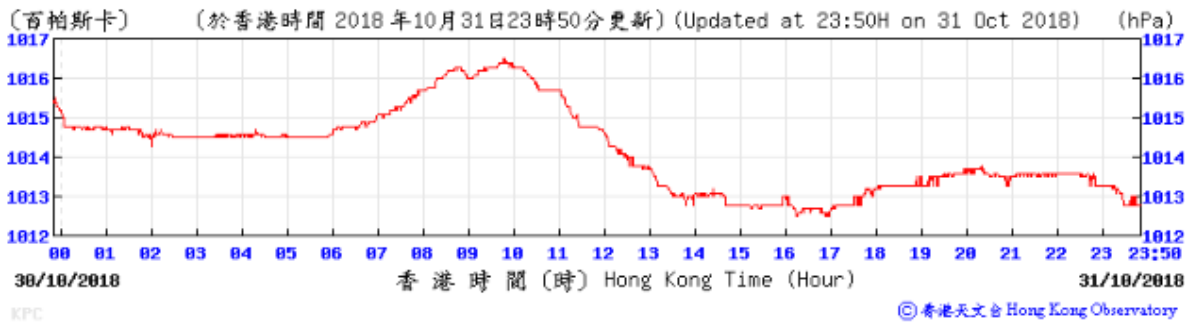
Wind Speed:



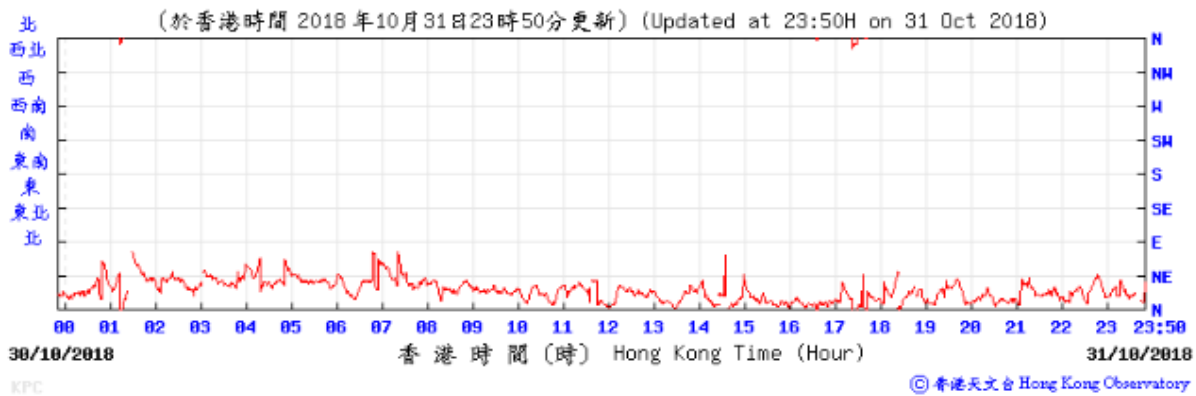
Temperature/Humidity:



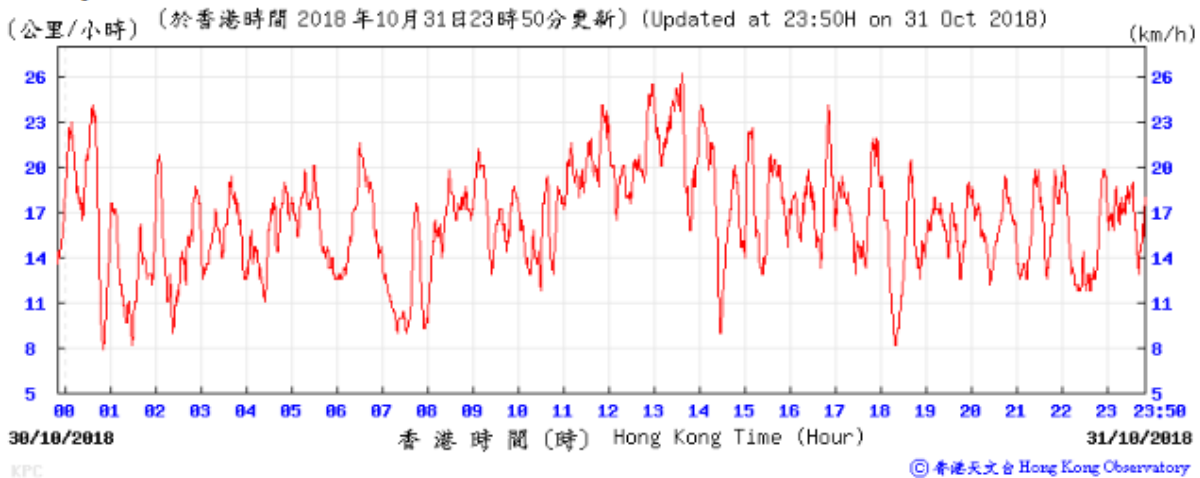
Pressure:



Wind Direction:



Wind Speed:

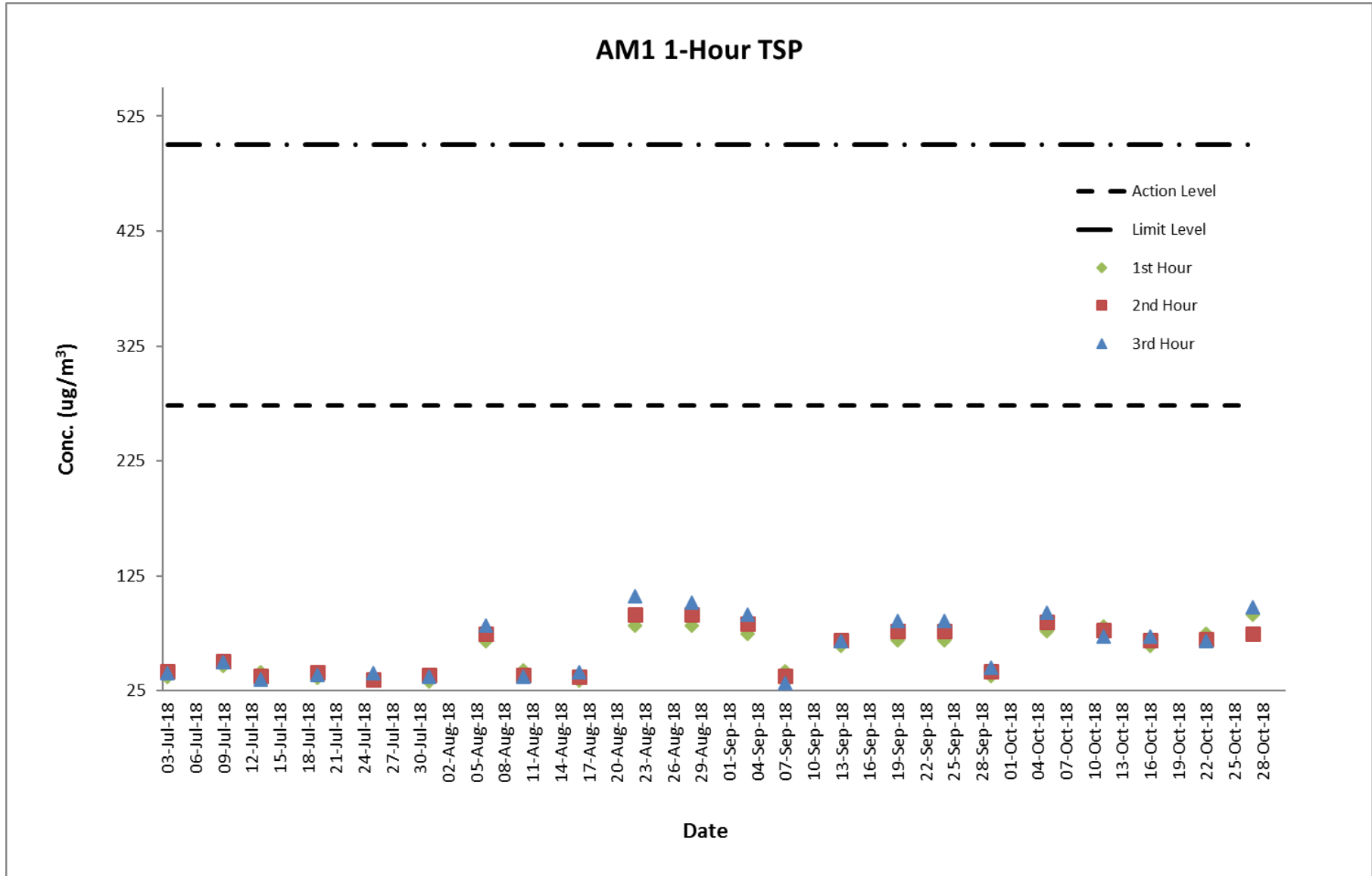


## E. Graphical Plots of the Monitoring Results

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

Date	Weather Condition	Time	Conc. ( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
			1 <sup>st</sup> Hour	2 <sup>nd</sup> Hour	3 <sup>rd</sup> Hour		
06-Aug-18	Fine	7:50 - 10:50	68	75	82	273.7	500
10-Aug-18	Cloudy	8:02 - 11:02	43	39	37	273.7	500
16-Aug-18	Cloudy	8:10 - 11:10	34	37	41	273.7	500
22-Aug-18	Fine	8:12 - 11:12	82	91	107	273.7	500
28-Aug-18	Cloudy	8:08 - 11:08	82	91	102	273.7	500
03-Sep-18	Fine	7:50 - 10:50	75	83	91	273.7	500
07-Sep-18	Sunny	8:12 - 11:12	42	38	32	273.7	500
13-Sep-18	Cloudy	8:12 - 11:12	64	69	68	273.7	500
19-Sep-18	Sunny	8:05 - 11:05	69	77	86	273.7	500
24-Sep-18	Cloudy	7:50 - 10:50	69	77	86	273.7	500
29-Sep-18	Sunny	8:02 - 11:02	38	42	45	273.7	500
05-Oct-18	Sunny	8:12 - 11:12	77	85	93	273.7	500
11-Oct-18	Cloudy	10:55 - 13:55	81	78	72	273.7	500
16-Oct-18	Cloudy	8:02 - 11:02	64	69	72	273.7	500
22-Oct-18	Sunny	7:50 - 10:50	75	70	68	273.7	500
27-Oct-18	Fine	8:12 - 11:12	91	75	98	273.7	500

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

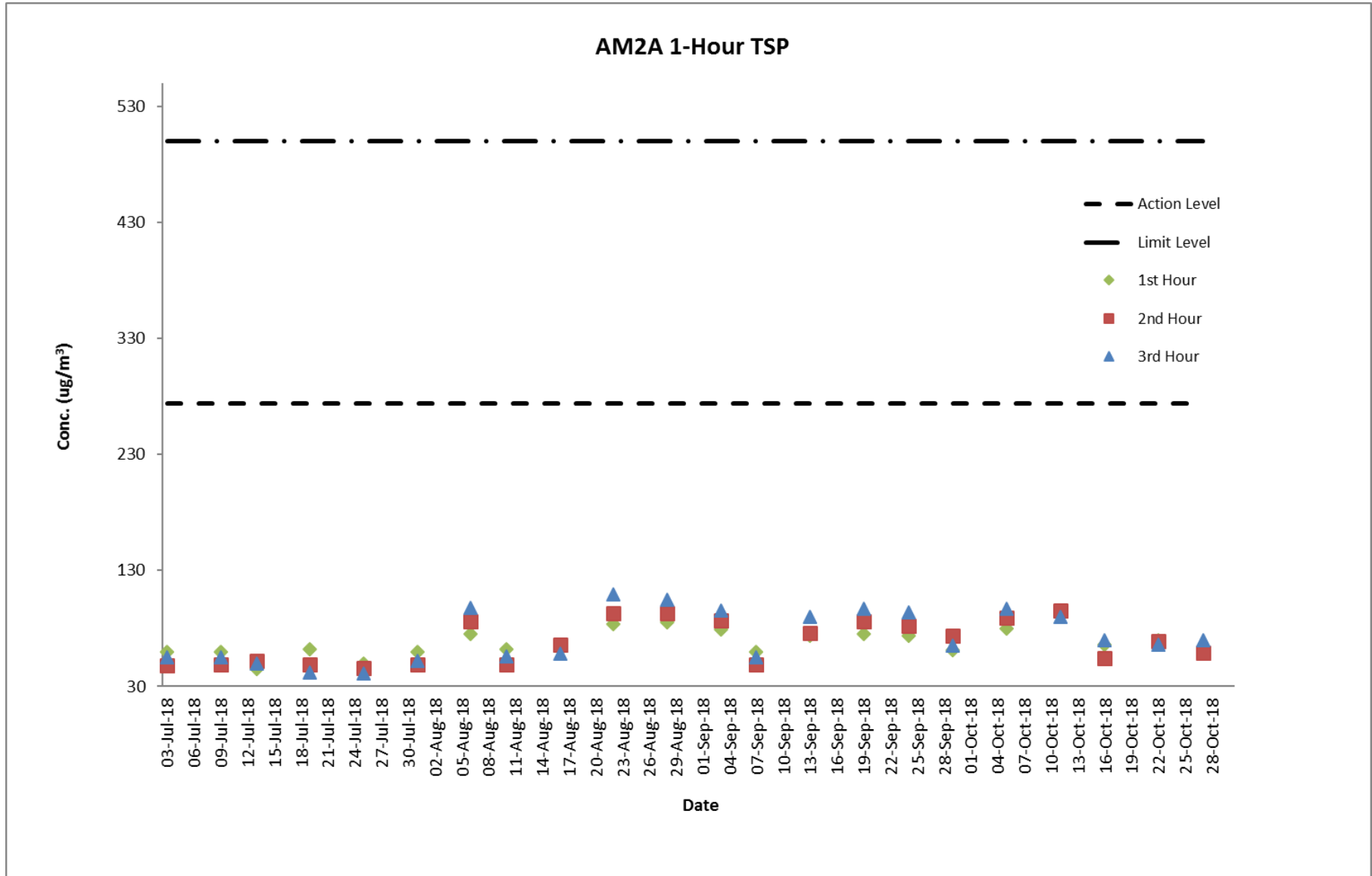




**Air Quality Monitoring Result at Station AM2A (1-hour TSP)**

Date	Weather Condition	Time	Conc. ( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
			1 <sup>st</sup> Hour	2 <sup>nd</sup> Hour	3 <sup>rd</sup> Hour		
06-Aug-18	Fine	8:02 - 11:02	75	86	98	274.2	500
10-Aug-18	Cloudy	8:14 - 11:14	62	49	56	274.2	500
16-Aug-18	Cloudy	8:22 - 11:22	62	66	58	274.2	500
22-Aug-18	Fine	8:24 - 11:24	84	93	109	274.2	500
28-Aug-18	Cloudy	8:23 - 11:23	85	93	105	274.2	500
03-Sep-18	Fine	8:04 - 11:04	79	87	95	274.2	500
07-Sep-18	Sunny	8:24 - 11:24	60	49	55	274.2	500
13-Sep-18	Cloudy	8:25 - 11:25	74	76	90	274.2	500
19-Sep-18	Sunny	8:17 - 11:17	75	86	97	274.2	500
24-Sep-18	Cloudy	8:03 - 11:03	74	82	94	274.2	500
29-Sep-18	Sunny	8:15 - 11:15	61	74	65	274.2	500
05-Oct-18	Sunny	8:25 - 11:25	80	89	97	274.2	500
11-Oct-18	Cloudy	10:22 - 13:22	91	95	90	274.2	500
16-Oct-18	Cloudy	8:18 - 11:18	66	54	70	274.2	500
22-Oct-18	Sunny	8:06 - 11:06	70	69	66	274.2	500
27-Oct-18	Fine	8:25 - 11:25	60	59	70	274.2	500

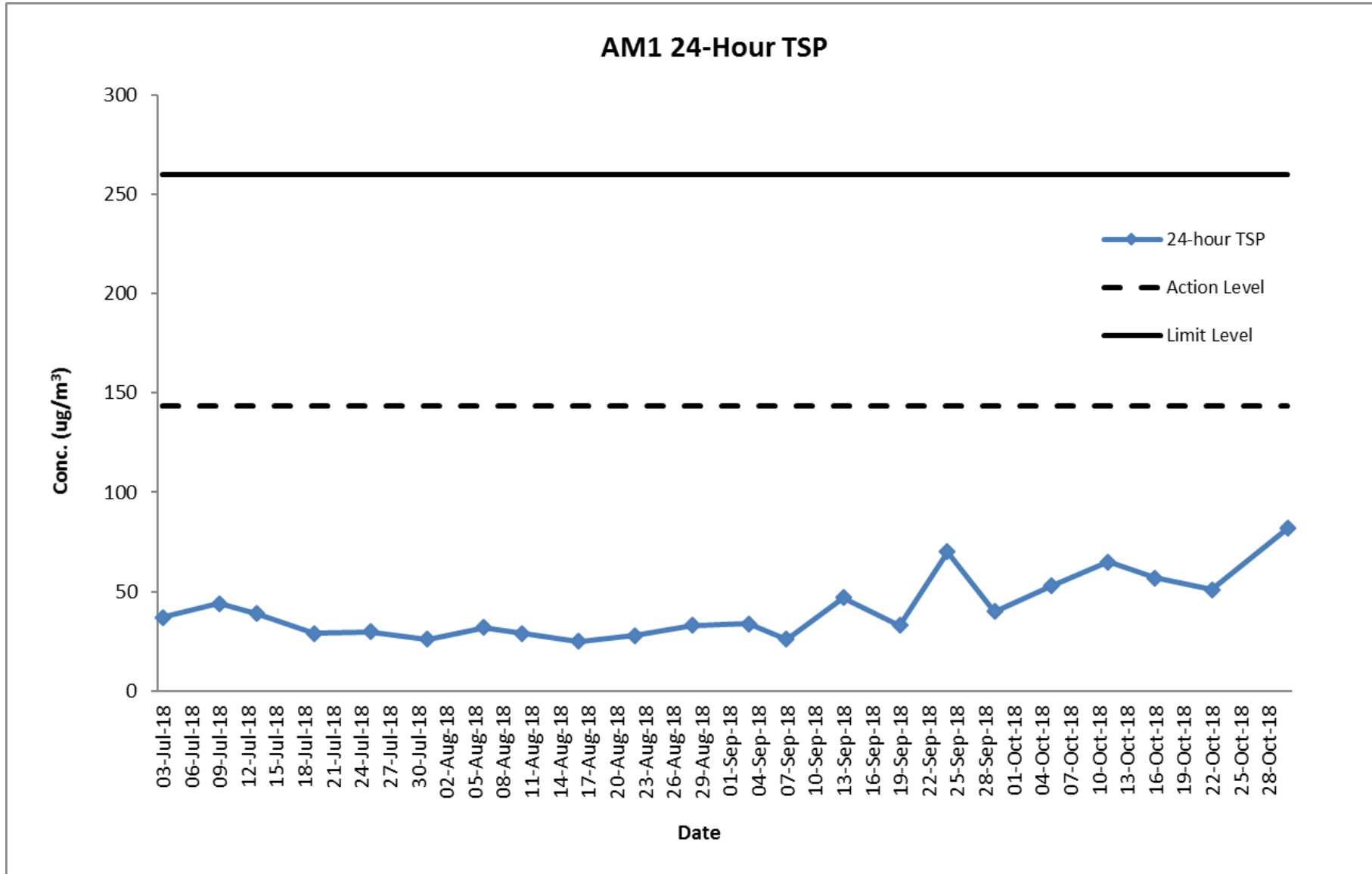
**Graphical Presentation of Air Quality Monitoring Result at Station AM2A (1-hour TSP)**



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

Start		Finish		Filter Weight (g)		Reading		Sampling Time (hrs)	Flow Rate (m <sup>3</sup> /min)			Conc. (µg/m <sup>3</sup> )	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
06-Aug-18	07:48	07-Aug-18	07:48	2.5711	2.6247	22992.38	23016.38	24	1.17	1.17	1.17	32	Fine	143.6	260
10-Aug-18	08:00	11-Aug-18	08:00	2.6036	2.6526	23016.38	23040.38	24	1.17	1.17	1.17	29	Cloudy	143.6	260
16-Aug-18	08:08	17-Aug-18	08:08	2.5902	2.6353	23040.38	23064.38	24	1.23	1.23	1.23	25	Cloudy	143.6	260
22-Aug-18	08:10	23-Aug-18	08:10	2.6818	2.7318	23064.38	23088.38	24	1.23	1.23	1.23	28	Fine	143.6	260
28-Aug-18	08:05	29-Aug-18	08:05	2.6830	2.7419	23088.38	23112.38	24	1.23	1.23	1.23	33	Cloudy	143.6	260
03-Sep-18	07:52	04-Sep-18	07:52	2.6816	2.7410	23112.38	23136.38	24	1.23	1.23	1.23	34	Fine	143.6	260
07-Sep-18	08:10	08-Sep-18	08:10	2.6867	2.7332	23136.38	23160.38	24	1.23	1.23	1.23	26	Sunny	143.6	260
13-Sep-18	08:10	14-Sep-18	08:10	2.6868	2.7703	23160.38	23184.38	24	1.23	1.23	1.23	47	Cloudy	143.6	260
19-Sep-18	08:03	20-Sep-18	08:03	2.6741	2.7329	23184.38	23208.38	24	1.23	1.23	1.23	33	Sunny	143.6	260
24-Sep-18	07:48	25-Sep-18	07:48	2.7065	2.8300	23208.38	23232.38	24	1.23	1.23	1.23	70	Cloudy	143.6	260
29-Sep-18	08:00	30-Sep-18	08:00	2.6800	2.7512	23232.38	23256.38	24	1.23	1.23	1.23	40	Sunny	143.6	260
05-Oct-18	08:10	06-Oct-18	08:10	2.7101	2.8024	23256.38	23280.38	24	1.22	1.22	1.22	53	Sunny	143.6	260
11-Oct-18	10:53	12-Oct-18	10:53	2.6753	2.7889	23280.38	23304.38	24	1.22	1.22	1.22	65	Cloudy	143.6	260
16-Oct-18	08:00	17-Oct-18	08:00	2.7006	2.8006	23304.38	23328.38	24	1.22	1.22	1.22	57	Cloudy	143.6	260
22-Oct-18	07:52	23-Oct-18	07:52	2.6906	2.7805	23328.38	23352.38	24	1.22	1.22	1.22	51	Sunny	143.6	260
30-Oct-18	08:10	31-Oct-18	08:10	2.6824	2.8271	23352.38	23376.38	24	1.22	1.22	1.22	82	Fine	143.6	260

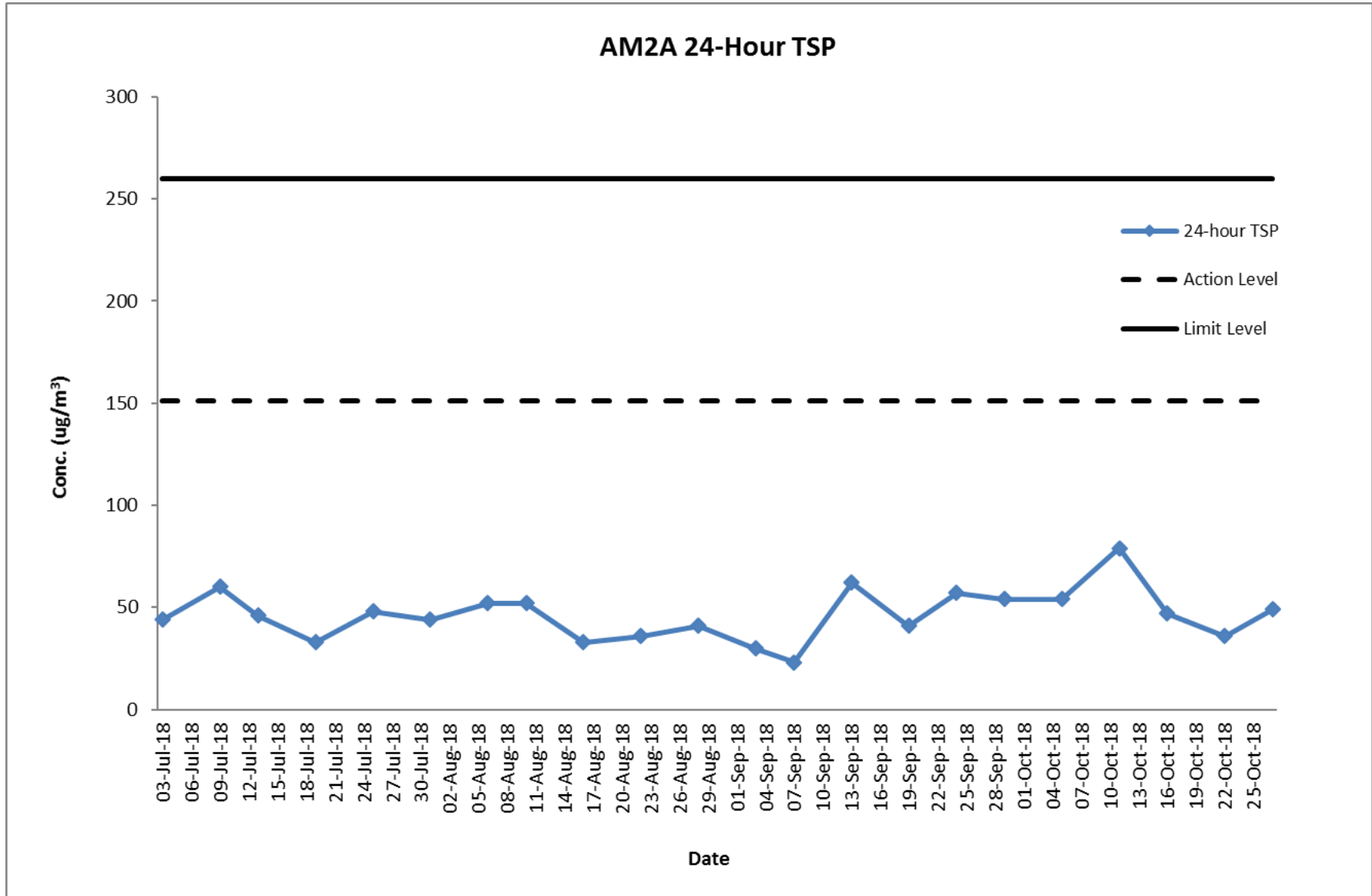
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)



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

Start		Finish		Filter Weight (g)		Reading		Sampling Time (hrs)	Flow Rate (m <sup>3</sup> /min)			Conc. (µg/m <sup>3</sup> )	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
06-Aug-18	08:00	07-Aug-18	08:00	2.5756	2.6694	18647.59	18671.59	24	1.25	1.25	1.25	52	Fine	151.1	260
10-Aug-18	08:12	11-Aug-18	08:12	2.5967	2.6910	18671.59	18695.59	24	1.25	1.25	1.25	52	Cloudy	151.1	260
16-Aug-18	08:20	17-Aug-18	08:20	2.5982	2.6574	18695.59	18719.59	24	1.25	1.25	1.25	33	Cloudy	151.1	260
22-Aug-18	08:22	23-Aug-18	08:22	2.6876	2.7515	18719.59	18743.59	24	1.24	1.24	1.24	36	Fine	151.1	260
28-Aug-18	08:20	29-Aug-18	08:20	2.6673	2.7402	18743.59	18767.59	24	1.25	1.25	1.25	41	Cloudy	151.1	260
03-Sep-18	08:02	04-Sep-18	08:02	2.6819	2.7359	18767.59	18791.59	24	1.25	1.25	1.25	30	Fine	151.1	260
07-Sep-18	08:22	08-Sep-18	08:22	2.6772	2.7179	18791.59	18815.59	24	1.25	1.25	1.25	23	Cloudy	151.1	260
13-Sep-18	08:22	14-Sep-18	08:22	2.6836	2.7955	18815.59	18839.59	24	1.25	1.25	1.25	62	Cloudy	151.1	260
19-Sep-18	08:15	20-Sep-18	08:15	2.6836	2.7572	18839.59	18863.59	24	1.25	1.25	1.25	41	Sunny	151.1	260
24-Sep-18	08:00	25-Sep-18	08:00	2.6887	2.7909	18863.59	18887.59	24	1.25	1.25	1.25	57	Cloudy	151.1	260
29-Sep-18	08:12	30-Sep-18	08:12	2.6926	2.7900	18887.59	18911.59	24	1.25	1.25	1.25	54	Sunny	151.1	260
05-Oct-18	08:22	06-Oct-18	08:22	2.6822	2.7819	18911.59	18935.59	24	1.29	1.29	1.29	54	Sunny	151.1	260
11-Oct-18	10:20	12-Oct-18	10:20	2.6707	2.8180	18935.59	18959.59	24	1.29	1.29	1.29	79	Cloudy	151.1	260
16-Oct-18	08:15	17-Oct-18	08:15	2.6911	2.7780	18959.59	18983.59	24	1.29	1.29	1.29	47	Cloudy	151.1	260
22-Oct-18	08:03	23-Oct-18	08:03	2.6962	2.7623	18983.59	19007.59	24	1.29	1.29	1.29	36	Sunny	151.1	260
27-Oct-18	08:22	28-Oct-18	08:22	2.6874	2.7793	19007.59	19031.59	24	1.29	1.29	1.29	49	Fine	151.1	260

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



**Noise Monitoring Result at Station NM1A**

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
06-Aug-18	10:14	67.5	62.7	69
06-Aug-18	10:19	68.4	64.7	
06-Aug-18	10:24	66.9	62.4	
06-Aug-18	10:29	68	63.7	
06-Aug-18	10:34	68.4	63.8	
06-Aug-18	10:39	68.9	64	
16-Aug-18	10:36	67.9	62.7	69
16-Aug-18	10:41	68.4	63.2	
16-Aug-18	10:46	67.5	62.4	
16-Aug-18	10:51	69	62.5	
16-Aug-18	10:56	68.4	63.1	
16-Aug-18	11:01	66.7	62.7	
22-Aug-18	09:12	67.9	63.4	69
22-Aug-18	09:17	66.7	62.5	
22-Aug-18	09:22	67.8	63.7	
22-Aug-18	09:27	68.4	64.7	
22-Aug-18	09:32	69.2	65	
22-Aug-18	09:37	67.7	63.8	
28-Aug-18	09:05	67.2	63.7	69
28-Aug-18	09:10	68.4	64.1	
28-Aug-18	09:15	66.9	62.7	
28-Aug-18	09:20	67.1	63.5	
28-Aug-18	09:25	66.9	62.9	
28-Aug-18	09:30	68	63.7	
03-Sep-18	08:48	67.9	62.7	70
03-Sep-18	08:53	67	61.7	
03-Sep-18	08:58	68.4	63.9	
03-Sep-18	09:03	67.7	63.4	
03-Sep-18	09:08	69.7	65.7	
03-Sep-18	09:13	69.4	65.5	
13-Sep-18	09:10	68.3	64.1	69
13-Sep-18	09:15	67.7	62.7	
13-Sep-18	09:20	66.5	62	
13-Sep-18	09:25	67.4	62.7	
13-Sep-18	09:30	68.1	63.9	
13-Sep-18	09:35	67.7	62.8	
19-Sep-18	09:04	67.5	63.1	69
19-Sep-18	09:09	66.7	62.4	
19-Sep-18	09:14	68.4	64.7	
19-Sep-18	09:19	68.6	64.9	
19-Sep-18	09:24	67.7	63.5	
19-Sep-18	09:29	66.5	62.4	

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
24-Sep-18	08:47	65.9	61.5	69
24-Sep-18	08:52	67.1	63.4	
24-Sep-18	08:57	68.4	64.7	
24-Sep-18	09:02	67.5	63.7	
24-Sep-18	09:07	67.9	63.2	
24-Sep-18	09:12	68.4	64.8	
05-Oct-18	10:30	66.4	62.4	68
05-Oct-18	10:35	65.8	61.7	
05-Oct-18	10:40	67.9	63.9	
05-Oct-18	10:45	67.7	63.4	
05-Oct-18	10:50	65.8	61.5	
05-Oct-18	10:55	66.0	61.7	
11-Oct-18	10:58	66.0	62.7	67
11-Oct-18	11:03	67.1	63.4	
11-Oct-18	11:08	65.8	61.5	
11-Oct-18	11:13	66.5	62.4	
11-Oct-18	11:18	65.4	61.7	
11-Oct-18	11:23	65.7	61.5	
16-Oct-18	10:25	68.4	64.7	69
16-Oct-18	10:30	67.9	63.4	
16-Oct-18	10:35	66.7	62.5	
16-Oct-18	10:40	67.0	63.4	
16-Oct-18	10:45	67.8	63.5	
16-Oct-18	10:50	68.4	64.1	
22-Oct-18	10:15	67.4	63.4	68
22-Oct-18	10:20	68.5	64.7	
22-Oct-18	10:25	66.7	62.5	
22-Oct-18	10:30	67.9	63.4	
22-Oct-18	10:35	66.5	62.7	
22-Oct-18	10:40	68.0	64.9	

**Remarks:**

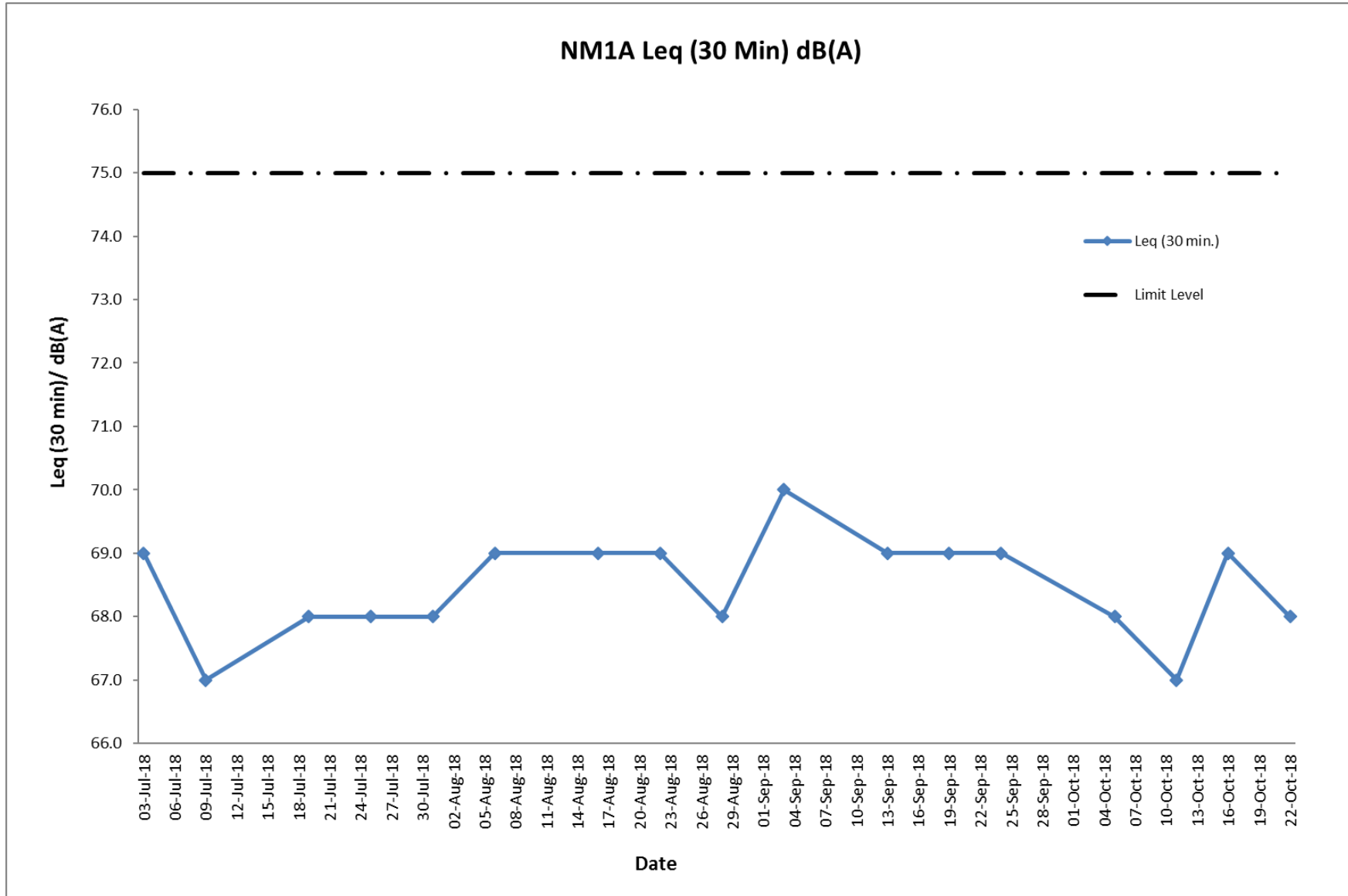
+3dB (A) correction was applied to free-field measurement.



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



Graphical Presentation Noise Monitoring Result at Station NM1A



## F. Waste Flow table

**M+ Museum**

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

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in 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)
<b>2015</b>													
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
<b>2016</b>													
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
<b>2017</b>													
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

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in 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
<b>2018</b>													
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	100.0	0.0	277.6
Aug	No data is provided by the Contractor for construction works during 1 August 2018 to 17 August 2018.												
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	0.0	0.0	0.0	0.0	0.0	116.6
Sub-total (2018)	12257.9	0.0	0.0	0.0	9124.2	3133.7	0.0	1006.1	5.4	0.0	620.0	0.0	1748.9
<b>Total</b>	<b>235104.8</b>	<b>0.0</b>	<b>25232.0</b>	<b>140485.4</b>	<b>63324.9</b>	<b>6062.4</b>	<b>0.0</b>	<b>4908.8</b>	<b>16.7</b>	<b>0.0</b>	<b>2941.2</b>	<b>1.4</b>	<b>4599.8</b>

Note:

-840.41 tonnes and 55.24 tonnes of inert C&D material were disposed of as public fill to 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.

# **Lyric Theatre Complex**

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

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
<b>2016</b>													
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
<b>2017</b>													
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

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
<b>2018</b>													
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	1.150
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	59.3	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	51.2	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	35050.8	0.0	0.0	33645.1	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	0.2	0.0	0.0	0.0	450.4
Sub-total (2018)	286354.8	0.0	0.0	239235.2	46876.5	243.1	553.9	519.5	0.4	1.2	0.0	0.5	770.8
<b>Total</b>	<b>461140.6</b>	<b>0.0</b>	<b>0.0</b>	<b>258286.2</b>	<b>202034.0</b>	<b>266.5</b>	<b>553.9</b>	<b>1041.0</b>	<b>1.5</b>	<b>2.7</b>	<b>0.0</b>	<b>11.9</b>	<b>1099.6</b>

Note:

-6,191.83 and 2,887.75 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137 and Tuen Mun Area 38 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	4	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	5	0	0