



Development at West Kowloon Cultural District

Monthly Environmental Monitoring and Audit
(EM&A) Report for November 2017

December 2017

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

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

Development at West Kowloon Cultural District

Monthly Environmental Monitoring and Audit
(EM&A) Report for November 2017

December 2017

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

Certified by:



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

Date

13 Dec 2017

Verified by:



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

Date

14 Dec 2017

Contents

Executive Summary	1
1 Introduction	3
1.1 Background	3
1.2 Project Organisation	3
1.3 Environmental Status in the Reporting Period	3
1.4 Summary of EM&A Requirements	4
2 Impact Monitoring Methodology	6
2.1 Introduction	6
2.2 Air Quality	6
2.2.1 Monitoring Parameters, Frequency and Duration	6
2.2.2 Monitoring Locations	6
2.2.3 Monitoring Equipment	6
2.2.4 Monitoring Methodology	7
2.3 Noise	8
2.3.1 Monitoring Parameters, Frequency and Duration	8
2.3.2 Monitoring Location	9
2.3.3 Monitoring Equipment	9
2.3.4 Monitoring Methodology	9
2.4 Landscape and Visual	10
2.4.1 Monitoring Program	10
3 Monitoring Results	11
3.1 Impact Monitoring	11
3.2 Air Quality Monitoring	11
3.2.1 1-hour TSP	11
3.2.2 24-hour TSP	11
3.3 Noise Monitoring	12
3.4 Landscape and Visual Impact	12
4 Environmental Site Inspection	13
4.1 Site Inspection	13
4.1.1 M+ Museum	13
4.1.2 Lyric Theatre Complex	15
4.2 Advice on the Solid and Liquid Waste Management Status	15
4.2.1 M+ Museum	15
4.2.2 Lyric Theatre Complex	16
4.3 Status of Environmental Licenses and Permits	16
4.3.1 M+ Museum	16

4.3.2	Lyric Theatre Complex	16
4.4	Recommended Mitigation Measures	17
4.4.1	M+ Museum	17
4.4.2	Lyric Theatre Complex	17
5	Compliance with Environmental Permit	19
6	Report in Non-compliance, Complaints, Notification of Summons and Successful Prosecutions	20
6.1	Record on Non-compliance of Action and Limit Levels	20
6.2	Record on Environmental Complaints Received	20
6.3	Record on Notifications of Summons and Successful Prosecution	20
7	Future Key Issues	21
7.1	Construction Works for the Coming Month(s)	21
7.1.1	M+ Museum	21
7.1.2	Lyric Theatre Complex	21
7.2	Key Issues for the Coming Month	21
7.2.1	M+ Museum	21
7.2.2	Lyric Theatre Complex	21
7.3	Monitoring Schedule for the Coming Month	21
8	Conclusions and Recommendations	22
8.1	Conclusions	22
8.2	Recommendations	22
Figure 1	Site Layout Plan and Monitoring Stations	23
	Appendices	24
A.	Project Organisation	25
B.	Tentative Construction Programme	26
C.	Action and Limit Levels for Construction Phase	27
D.	Event and Action Plan for Air Quality, Noise, Landscape and Visual Impact	28
E.	Monitoring Schedule	29
F.	Calibration Certifications	30
G.	Graphical Plots of the Monitoring Results	31

H.	Meteorological Data Extracted from Hong Kong Observatory	32
I.	Waste Flow table	33
J.	Environmental Mitigation Measures – Implementation Status	34
K.	Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions	35

Executive Summary

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

The overall works for the WKCD fall under two separate categories of Designated Project (DP) of the Environmental Impact Assessment Ordinance (EIAO), namely an “engineering feasibility study of urban development projects with a study area covering more than 20 ha or involving a total population of more than 100 000” (Item 3 of Schedule 3) and “an underpass more than 100m in length under the built areas” (Item A.9, Part I, Schedule 2). An Environmental Permit No. EP-453/2013/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.

This Monthly EM&A Report presents the monitoring works at both the main works of M+ Museum and foundation works of Lyric Theatre Complex conducted from 1 November to 30 November 2017.

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 month.

Implementation of Mitigation Measures

Construction phase weekly site inspections were carried out on 2, 9, 17, 24 and 30 November 2017 for M+ Museum and 1, 8, 15, 22 and 29 November 2017 for Lyric Theatre Complex to confirm the implementation measures undertaken by the Contractors in the reporting month. The outcomes are presented in Section 4 and the status of implementation of mitigation measures in the site is shown in **Appendix J**.

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

Record of Complaints

No environmental complaints were recorded in the reporting month.

Record of Notification of Summons and Successful Prosecutions

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

Future Key Issues

The major site works at M+ Museum scheduled to be commissioned in the coming month include:

- M+ Construction Main Works of external and block walls, column, basement slab;
- Construction of RDE & CSF building including column, walls and slab;
- Works at SPS including AVWF work and E&M works.

The major site works at Lyric Theatre Complex scheduled to be commissioned in the coming month include:

- Pile Head Trimming at ELS Area;
- Installation of Monitoring Instrumentation;
- Pre-grouting adjacent to seawall;
- Pipe Pile Construction;
- Pumping Test.

Potential environmental impacts due to the construction activities, including air quality, noise, water quality, waste, landscape and visual, will be monitored or reviewed. The recommended environmental mitigation measures shall be implemented on site and regular inspections as required will be carried out to ensure that the environmental conditions are acceptable.

1 Introduction

1.1 Background

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

The overall works for the WKCD fall under two separate categories of Designated Project (DP) of the Environmental Impact Assessment Ordinance (EIAO), namely an “engineering feasibility study of urban development projects with a study area covering more than 20 ha or involving a total population of more than 100 000” (Item 3 of Schedule 3) and “an underpass more than 100m in length under the built areas” (Item A.9, Part I, Schedule 2). An Environmental Permit No. EP-453/2013/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 Monthly EM&A Report is prepared in accordance with the Condition 3.4 of the Environmental Permit No. EP-453/2013/B. This Monthly EM&A Report presents the monitoring works at both the main works of M+ Museum and foundation works of Lyric Theatre Complex conducted from 1 November to 30 November 2017. The purpose of this report is to summarise the findings in the EM&A of the project over the reporting period.

1.2 Project Organisation

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

1.3 Environmental Status in the Reporting Period

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

- M+ Construction Main Works of:

- B2 Walls & Columns to B1 Slab
- External Wall & B1 Slab
- B1/F Columns & Walls to G/F Slab
- G/F Columns & Walls to 1/F & 1M/F Slab
- 1/F Columns & Walls to 2/F Slab
 - Portion C, A1, A4 & A5
 - Portion P & F
 - Portion G K, & H
 - RDE Bldg.
 - 2/F Columns & Walls 3/F Slab of Portion C, A1, A4 & A5; Portion E & F
 - 3/F Columns & Walls 4/F Slab
 - 8/F Columns & Walls 9/F Slab
- Mega Truss Construction
- RDE & CSF Buildings
 - Columns & Walls to 3/F Slab
 - 3/F Slab construction
- External Works at SPS
 - Waterproofing & backfilling on B1/F & RF
 - ABWF & MEP fix

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

- Pre-grouting adjacent to seawall;
- Pipe pile construction;
- Bulk excavation;
- Pile Head Trimming at ELS Area;
- Steel Struct ELS Installation.

The Construction Works Programmes of M+ Museum and Lyric Theatre Complex are provided in **Appendix B**. A layout plan of the Project is provided in **Figure 1**. Please refer to **Table 4.3** on the status of the environmental licenses.

1.4 Summary of EM&A Requirements

The EM&A programme requires environmental monitoring of air quality, noise, landscape and visual as specified in the approved EM&A Manual.

A summary of impact EM&A requirements is presented in **Table 1.1**.

Table 1.1: Summary of Impact EM&A Requirements

Parameters	Descriptions	Locations	Frequencies
Air Quality	24-Hour TSP	AM1 - International Commerce Centre	At least once every 6 days
	1-Hour TSP	AM1 - International Commerce Centre	At least 3 times every 6 days
	24-Hour TSP	AM2A – Austin Road West opposite to The Harbourside Tower 1	At least once every 6 days
	1-Hour TSP	AM2A – Austin Road West opposite to The Harbourside Tower 1	At least 3 times every 6 days
Noise	Leq, 30 minutes	NM1A- Podium level of The Harbourside Tower 1	Weekly

Parameters	Descriptions	Locations	Frequencies
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

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 and NM1 were set up. Other monitoring locations are too far away (i.e. AM3 to AM5 and NM2 to NM5) are not included in this EM&A programme until the construction of the corresponding area commences.

The Harbourside management office formally rejected our proposal of setting up air quality and noise monitoring equipment on its premises at the podium level of Tower 1 (AM2/NM1) on 10 November 2015. Alternative noise monitoring location was identified at The Arch (NM2), however The Arch management office formally rejected our proposal of setting up noise monitoring equipment on its premises on 23 November 2015. Nevertheless, suitable air quality monitoring location at AM2 was identified on the ground floor in front of The Harbourside Tower 1, which is at the same location as that of baseline monitoring for consistency. No management approval is required at the ground floor for conducting the air monitoring. 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. Noise monitoring at G/F of Harbourside will not be representative. 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.

The Environmental Quality Performance Limits for air quality and noise are shown in **Appendix C**.

The Event and Action Plan for air quality, construction noise, landscape and visual are shown in **Appendix D**.

The EM&A programme followed the recommended mitigation measures in the EM&A Manual. The EM&A requirements as well as the summary of implementation status of the environmental mitigation measures are provided in **Appendix J**.

2 Impact Monitoring Methodology

2.1 Introduction

For air quality and noise, the monitoring methodology, including the monitoring locations, monitoring equipment used, monitoring parameters, and frequency and duration etc., for air quality and noise are detailed in this Section. The environmental monitoring schedules for the reporting period and the tentative monitoring Schedule for the coming month are provided in **Appendix E**.

For landscape and audit impact, the relevant EM&A monitoring requirements and details are also presented in this Section.

2.2 Air Quality

2.2.1 Monitoring Parameters, Frequency and Duration

Table 2.1 summarizes the monitoring parameters, frequency and duration of the TSP monitoring.

Table 2.1: Air Quality Monitoring Parameters, Frequency and Duration

Parameter	Frequency	Duration
24-hour TSP	At least once in every six-days	24 hours
1-hour TSP	At least 3 times every six-days	60 minutes

2.2.2 Monitoring Locations

Currently, the works under the captioned project are confined in the western part of the WKCD site. Therefore, only the monitoring stations AM1 and AM2A were set up at the proposed locations in accordance with updated EM&A Manual. Location of the monitoring station is given in **Table 2.2** and shown in **Figure 1**.

Table 2.2: Air Quality Monitoring Station

Monitoring Station	Location
AM1	International Commerce Centre (ICC)
AM2A	Austin Road West opposite to The Harbourside Tower 1

2.2.3 Monitoring Equipment

Continuous 24-hour TSP air quality monitoring was conducted using High Volume Sampler (HVS) (Model: TE-5170) located at the designated monitoring station. The HVS meets all the requirements stated in of the EM&A Manual. Portable direct reading dust meter was used to carry out the 1-hour TSP monitoring. **Table 2.3** summarizes the equipment used in the impact air quality monitoring. Copies of the calibration certificates for the HVS, calibration kit and portable dust meters are attached in **Appendix F**.

Table 2.3: TSP Monitoring Equipment

Equipment	Model
24-hour TSP monitoring	
High Volume Sampler	TE-5170 (Serial No.: 0767 and 8919)
Calibrator	TE-5025A (Orifice I.D.: 2454)
1-hour TSP monitoring	
Portable direct reading dust meter	Sibata LD-3B (Serial No.: 276020 and 2Z6240)

Calibration of the HVS (five point calibration) using Calibration Kit was carried out every two months. The HVS calibration orifice will be calibrated annually. Calibration certificate of the TE-5025A Calibration Kit and the HVS are provided in **Appendix F**

The 1-hour TSP monitoring should be determined periodically (e.g. annually) by the HVS to check the validity and accuracy of the results measured by direct reading method.

2.2.4 Monitoring Methodology

24-hour TSP Monitoring

Installation

The HVS was installed at the site boundary. The following criteria were considered in the installation of the HVS.

- A horizontal platform with appropriate support to secure the sampler against gusty wind was provided.
- The distance between the HVS and any obstacles, such as buildings, was at least twice the height that the obstacle protrudes above the HVS.
- A minimum of 2 metres separation from walls, parapets and penthouse was required for rooftop sampler.
- A minimum of 2 metres separation from any supporting structure, measured horizontally was required.
- No furnace or incinerator flues or building vent were nearby.
- Airflow around the sampler was unrestricted.
- The sampler has been more than 20 metres from any drip line.
- Permission was obtained to set up the sampler and to obtain access to the monitoring station.
- A secured supply of electricity is needed to operate the sampler.

Preparation of Filter Papers

- Glass fibre filters were labelled and sufficient filters that were clean and without pinholes were selected.
- The filters used are specified to have a minimum collection efficiency of 99 percent for 0.3 µm (DOP) particles.
- All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25 °C and not variable by more than ±3 °C with relative humidity (RH) < 50% and was not variable by more than ±5 %. A convenient working RH was 40%. All preparation of filters was done by Hong Kong Laboratory Accreditation Scheme (HOKLAS) accredited laboratory.

Field Monitoring Procedures

- The power supply was checked to ensure the HVS works properly.
- The filter holder and the area surrounding the filter were cleaned.
- The filter holder was removed by loosening the four bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully.
- The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter.
- The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied should be sufficient to avoid air leakage at the edges.
- The shelter lid was closed and was secured with the aluminium strip.
- The HVS was warmed-up for about 5 minutes to establish run-temperature conditions.
- A new flow rate record sheet was set into the flow recorder.
- The flow rate of the HVS was checked and adjusted at around 1.3 m³/min. The range specified in the EM&A Manual was between 0.6-1.7 m³/min.

- The programmable timer was set for a sampling period of 24 hours, and the starting time, weather condition and the filter number were recorded.
- The initial elapsed time was recorded.
- At the end of sampling, the sampled filter was removed carefully and folded in half length so that only surfaces with collected particulate matter were in contact.
- It was then placed in a clean plastic envelope and sealed.
- All monitoring information was recorded on a standard data sheet.
- Filters were sent to a Hong Kong Laboratory Accreditation Scheme (HOKLAS) accredited laboratory for analysis.

Maintenance and Calibration

- The HVS and its accessories are maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.
- HVSs were calibrated upon installation and thereafter at bi-monthly intervals. The calibration kits were calibrated annually.
- Calibration records for HVS and calibration kit are shown in **Appendix F**.

1-hour TSP Monitoring

Field Monitoring

The measuring procedures of the 1-hour dust meter are in accordance with the Manufacturer's Instruction Manual as follows:

- Turn the power on.
- Close the air collecting opening cover.
- Push the "TIME SETTING" switch to [BG].
- Push "START/STOP" switch to perform background measurement for 6 seconds.
- Turn the knob at SENSI ADJ position to insert the light scattering plate.
- Leave the equipment for 1 minute upon "SPAN CHECK" is indicated in the display.
- Push "START/STOP" switch to perform automatic sensitivity adjustment. This measurement takes 1 minute.
- Pull out the knob and return it to MEASURE position.
- Setting time period of 1 hour for the 1-hour TSP measurement.
- Push "START/STOP" to start the 1-hour TSP measurement.
- Regular checking of the time period setting to ensure monitoring time of 1 hour.

Maintenance and Calibration

- The 1-hour dust meter would be checked at 3-month intervals and calibrated at 1-year intervals throughout all stages of the air quality monitoring.
- Calibration records for direct dust meters are shown in **Appendix F**.

Weather Condition

- Meteorological data extracted from Hong Kong Observatory for the reporting month is provided in **Appendix H**.

2.3 Noise

2.3.1 Monitoring Parameters, Frequency and Duration

Table 2.4 summarizes the monitoring parameters, frequency and duration of noise monitoring. The noise in A-weighted levels L_{eq} , L_{10} and L_{90} are recorded in a 30-minute interval between 0700 and 1900 hours.

Table 2.4: Noise Monitoring Parameters, Period and Frequency

Time Period	Parameters	Frequency
Daytime on normal weekdays (0700-1900 hours)	L_{eq} (30 min), L_{90} (30 min) & L_{10} (30 min)	Once every week

2.3.2 Monitoring Location

Currently, the works under the captioned project are confined in the western part of the WKCD site. Therefore, only the monitoring station NM1A was set up at the proposed location in accordance with updated EM&A Manual. Location of the monitoring station is given in **Table 2.5** and shown in **Figure 1**.

Table 2.5: Noise Monitoring Station

Monitoring Station	Location
NM1A	Podium floor of International Commerce Centre (ICC)

2.3.3 Monitoring Equipment

Integrating Sound Level Meter was used for noise monitoring. It was a Type 1 sound level meter capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level (L_{Aeq}) and percentile sound pressure level (L_x). They comply with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1). **Table 2.6** summarizes the noise monitoring equipment model being used.

Table 2.6: Noise Monitoring Equipments

Monitoring Station	Equipment Model	
	Integrating Sound Level Meter	Calibrator
NM1A	Rion NL-18 (Serial No.00360030)	Rion NC-73 (Serial No.10486660)

2.3.4 Monitoring Methodology

Field Monitoring

- The microphone of the Sound Level Meter was set at least 1.2 m above the ground.
- Free Field measurement was made at the monitoring locations.
- The battery condition was checked to ensure the correct functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
 - frequency weighting: A
 - time weighting: Fast
 - time measurement: 30 minutes intervals (between 0700-1900 on normal weekdays)
- Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94 dB at 1 kHz. If the difference in the calibration level before and after measurement was more than 1 dB, the measurement would be considered invalid and has to be repeated after re-calibration or repair of the equipment.
- During the monitoring period, the L_{eq} , L_{10} and L_{90} were recorded. In addition, any site observations and noise sources were recorded on a standard record sheet.
- A correction of +3dB(A) was made to the free field measurements.

Maintenance and Calibration

- The microphone head of the sound level meter and calibrator is cleaned with soft cloth at quarterly intervals.

- The sound level meter and calibrator are sent to the supplier or HOKLAS laboratory to check and calibrate at yearly intervals.
- Calibration records are shown in **Appendix F**.

Weather Condition

- Meteorological data extracted from Hong Kong Observatory for the reporting month is provided in **Appendix H**.

2.4 Landscape and Visual

2.4.1 Monitoring Program

Table 2.7 details the monitoring program (as proposed in the WKCD EIA report) for landscape and visual impact during the construction phase.

Table 2.7: Monitoring Program for Landscape and Visual Impact during Construction Phase

Stage	Monitoring Task	Frequency	Report	Approval
Construction	Monitor implementation of proposed mitigation measures during the construction stage.	Bi-weekly	ET to report on Contractor's compliance	Counter-signed by IEC

During the landscape and visual impact monitoring, any changes in relation to the landscape and visual amenity should be monitored with reference to the baseline conditions of the site. In addition, mitigation measures were proposed in the WKCD EIA report to minimise the landscape and visual impacts during the construction phase. The proposed mitigation measures as shown in Table 9.1 and Table 9.2 of the EM&A Manual should be checked for proper implementation.

3 Monitoring Results

3.1 Impact Monitoring

Construction impact monitoring for air quality, noise and landscape and visual impact was undertaken in compliance with the EM&A Manual during the reporting month.

3.2 Air Quality Monitoring

3.2.1 1-hour TSP

Results of 1-hour TSP at the monitoring location AM1 and AM2A are summarised in **Table 3.1**. Graphical plots of the monitoring results are shown in **Appendix G**.

Table 3.1: Summary of 1-hour TSP monitoring results

Monitoring Station	Monitoring Date	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1st Result	2nd Result	3rd Result			
AM1	06-Nov-17	10:35	47	55	59	38-72	273.7	500
	10-Nov-17	7:50	50	47	44			
	16-Nov-17	10:48	38	42	45			
	22-Nov-17	10:40	61	57	59			
	28-Nov-17	10:38	61	72	66			
AM2A	06-Nov-17	10:50	72	83	89	61-91	274.2	500
	10-Nov-17	8:05	64	61	70			
	16-Nov-17	11:02	69	78	79			
	22-Nov-17	10:52	86	91	75			
	28-Nov-17	10:50	81	69	70			

3.2.2 24-hour TSP

Results of 24-hour TSP at the monitoring location AM1 and AM2A are summarised in **Table 3.2**. Graphical plots of the monitoring results are shown in **Appendix G**.

Table 3.2: Summary of 24-hour TSP monitoring results

Monitoring Station	Monitoring Date	Start Time	Monitoring Results ($\mu\text{g}/\text{m}^3$)	Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
AM1	06-Nov-17	10:37	49	41-57	143.6	260
	10-Nov-17	07:52	51			
	16-Nov-17	10:50	41			
	22-Nov-17	10:38	45			
	28-Nov-17	10:35	57			
AM2A	06-Nov-17	10:47	88	58-88	151.1	260
	10-Nov-17	08:02	67			
	16-Nov-17	11:00	65			
	22-Nov-17	10:50	58			
	28-Nov-17	10:48	74			

No exceedance of 1-hour and 24-hour TSP (Action or Limit Level) was recorded in the reporting period.

3.3 Noise Monitoring

The construction noise monitoring results at the monitoring location NM1A are summarized in **Table 3.3**. Graphical plots of the monitoring data and the station set-up of a free-field measurement are shown in **Appendix G**.

Table 3.3: Summary of noise monitoring results during normal weekdays

Monitoring Date	Start Time	End Time	Leq (30 mins), dB(A)	Limit Level for Leq (dB(A))
06-Nov-17	14:00	14:30	70	75
16-Nov-17	14:00	14:30	70	
22-Nov-17	14:00	14:30	71	
28-Nov-17	14:00	14:30	69	

Remarks:

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

No exceedance (Action/Limit Level) of construction noise was recorded in the reporting period as no noise related environmental complaint was received during the reporting period and noise levels recorded during the monitoring period were below 75 dB(A).

Construction works were extended to holidays on 5, 19 and 26 November 2017. In accordance with the EM&A Manual, additional monitoring was carried out during the restricted hours on 5, 19 and 26 November 2017. All the L_{eq} (5 mins) is in the range of 67-69 dB(A). Major noise source includes traffic. Construction Noise Permits for the works carried out during restricted hours were obtained and listed in **Table 4.3**.

3.4 Landscape and Visual Impact

Landscape and visual impact inspections were conducted as part of the weekly site inspections on 9 and 24 November 2017 for M+ Museum and 8 and 22 November 2017 for Lyric Theatre Complex during the reporting month. As reviewed by the registered Landscape Architect, no adverse comment on landscape and visual aspects was made during these inspections.

The landscape and visual mitigation measures were implemented during the reporting period. The summary of implementation status of the environmental mitigation measures are provided in **Appendix J**.

4 Environmental Site Inspection

4.1 Site Inspection

4.1.1 M+ Museum

Construction phase weekly site inspections were carried out on 2, 9, 17, 24 and 30 November 2017. The joint site inspection with IEC, ET, ER and Contractor was held on 17 November 2017. All observations have been recorded in the site inspection checklist and passed to the Contractor together with the appropriate recommended mitigation measures where necessary. The key observations from the site inspections and associated recommendations are summarized in **Table 4.1**.

Table 4.1: Summary of Site Inspections and Recommendations for M+ Museum

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
26 Oct 2017	Waste management	The oil drum and chemicals outside CSO were found without drip tray. The contractor was reminded to remove them off site if not in use.	The contractor has removed the oil drums and chemicals previously observed without drip tray.	2 Nov 2017
26 Oct 2017	Waste management	Construction waste was found accumulated on the ground outside CSO. The contractor was reminded to remove the accumulated construction waste.	The contractor has removed the construction waste accumulated on the ground.	2 Nov 2017
26 Oct 2017	Waste management	Oil leakage was found on the ground outside RDE. The contractor was reminded to remove the oil leakage.	The contractor has arranged to remove the oil leakage.	2 Nov 2017
26 Oct 2017	Water quality	The contractor was reminded to provide proper arrangement to collect the wheel-washing water at Gate 6 and treat them before discharge.	The contractor has provided pump to pump out the wheel-washing water outside Gate 6	2 Nov 2017
2 Nov 2017	Waste management	The air compressor near DCS was observed without drip tray. The contractor was reminded to provide drip tray for the air compressor.	The contractor has provided drip tray for the air compressor.	7 Nov 2017
2 Nov 2017	Air quality	The haul roads near DCS and outside Gate 5/6 were found dry and dusty. The contractor was reminded to provide regular water spraying.	The contractor has provided water spraying for the haul roads near DCS and outside Gate 5/6.	7 Nov 2017
2 Nov 2017	Air quality	Cement bags at B2 were found without proper cover. The contractor was reminded to properly cover them with impervious sheeting to reduce dust impact.	The contractor has properly covered the cement bags at B2 with impervious sheeting.	8 Nov 2017
2 Nov 2017	Water quality	Effluent quality at ICP sampling point was found containing small amount of suspended solids. The contractor was reminded to clean wetsep no. 2 and 4 to ensure the treatment quality of wetseps.	The contractor has arranged silt removal and washing for wetsep no. 2 and 4. Water quality appeared clear.	3 Nov 2017
9 Nov 2017	Noise	A number of hand-held breakers (>10kg) at RDE 2/F were found without noise emission label. The	Noise emission labels were provided for the hand-held breakers at RDE 2/F.	17 Nov 2017

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
		contractor was reminded to provide the labels for the breakers.		
9 Nov 2017	Air quality	The breaking works at RDE 2/F was found dusty and without dust suppression measures. The contractor was reminded to implement dust control measures such as water spraying to reduce dust impact.	Water spray was provided for the breaking works at RDE 2/F.	17 Nov 2017
9 Nov 2017	Waste management	Construction waste was found accumulated at B2. The contractor was reminded to remove them regularly.	The construction waste at B2 was cleared.	17 Nov 2017
9 Nov 2017	Air quality	Cement bags at B2 were found without proper cover. The contractor was reminded to remove them or cover them with imperious sheeting	Cement bags at B2 were covered with imperious sheeting.	17 Nov 2017
9 Nov 2017	Water quality	Effluent quality at wetsep no. 4 was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
17 Nov 2017	Water quality	It was noted that Wetsep No. 5 was removed from site. The Contractor was reminded that the capacity of the current treatment system should be checked to see if it is still effective. Inactive parts (e.g. hoses) should be removed.	A new wetsep will be provided for the new CSO area.	22 Nov 2017
17 Nov 2017	Air quality	Dry haul road was observed near DCS. The Contractor was reminded to provide regular water spraying for these areas.	The contractor has enhanced water spraying for these areas.	22 Nov 2017
17 Nov 2017	Air quality	New stockpiles of cement bags at B2 were without cover. The Contractor was reminded to provide imperious sheeting or remove the cement bags.	The contractor has covered the cement bags at B2 with impervious sheeting.	22 Nov 2017
17 Nov 2017	Water quality	Effluent quality at ICP sampling point was checked. The sample from Wetsep No. 4 (ICP) was found to be within the acceptable pH range and visibly clear.	N/A	N/A
24 Nov 2017	Air quality	The haul road at SPS was observed dry and dusty. The contractor was reminded to provide regular water spraying to reduce dust impact.	The contractor has arranged water spraying for the haul road at SPS.	29 Nov 2017
24 Nov 2017	Air quality	The stockpile was left uncovered at SPS. The contractor was reminded to cover it with impervious sheeting.	The contractor has covered the stockpile at SPS.	29 Nov 2017
24 Nov 2017	Air quality	Cement bags at B2 were observed without proper cover. The contractor was reminded to provide impervious sheeting for the cement bags for dust suppression.	The contractor has either removed the cement bags or covered them with impervious sheeting.	29 Nov 2017
24 Nov 2017	Water quality	Effluent quality at ICP sampling point was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
24 Nov 2017	Waste management	Construction waste was found accumulated near RDE and Truss 4. The contractor was reminded to remove the construction waste regularly.	The contractor has arranged to remove the accumulated construction waste near RDE and Truss 4.	29 Nov 2017
30 Nov 2017	Air quality	Two packs of cement bags were found without proper cover at B2. The contractor was reminded to cover them with imperious sheeting to reduce dust impact.	Follow-up status will be provided in the next reporting month	On-going
30 Nov 2017	Water quality	Effluent quality at ICP sampling point was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A

4.1.2 Lyric Theatre Complex

Construction phase weekly site inspections were carried out on 1, 8, 15, 22 and 29 November 2017. The joint site inspection with IEC, ET, ER and Contractor was held on 22 November 2017. All observations have been recorded in the site inspection checklist and passed to the Contractor together with the appropriate recommended mitigation measures where necessary. The key observations from the site inspections and associated recommendations are summarized in **Table 4.2**.

Table 4.2: Summary of Site Inspections and Recommendations for Lyric Theatre Complex

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
8 Nov 2017	Water quality	Algae was observed at the Wetsep No.2. The Contractor was reminded to clear the algae in order to keep good quality of discharge water.	Algae has been cleared in Wetsep No.2.	15 Nov 2017
8 Nov 2017	Air quality	The colour of a NRMM label for a mobile crane was faded. The Contractor was reminded to replace the label with correct colour.	The NRMM label for a mobile crane was replaced with correct colour.	14 Nov 2017
22 Nov 2017	Air quality	Dry haul road was observed at Area L04. The Contractor was reminded to increase water spraying frequency to avoid dust impact.	Regular water spraying was conducted to keep the haul road wet.	25 Nov 2017
22 Nov 2017	Waste management	Oil leakage was observed on ground. The Contractor was reminded to clear the oil stain and treated the contaminated soil as chemical waste.	The leakage was cleaned up and disposed into chemical waste store.	25 Nov 2017

4.2 Advice on the Solid and Liquid Waste Management Status

The Contractors have been registered as a chemical waste producer for the Project. Construction and demolition (C&D) material sorting will be carried out on site. A sufficient number of receptacles were available for general refuse collection.

4.2.1 M+ Museum

As advised by the Contractor, 22.41 tonnes, 65.91 tonnes and 256.19 tonnes of inert C&D material were disposed of as public fill to Chai Wan Public Fill Barging Point, Tuen Mun Area 38 and Tseung Kwan O Area 137 Public Fill respectively, while 219.1 tonnes of general refuse were disposed of at SENT landfill. 948.5 tonnes of metals, 0.7 tonnes of paper/cardboard packaging, 0 tonne of plastic and 100.0 tonnes of timber were collected by recycling contractors in the reporting month. 0 tonne of inert

C&D materials was reused on site. 0 tonne of inert C&D materials were reused in other projects and 478.3 tonnes of inert C&D materials were disposed to sorting facility. 0.2 tonne of chemical waste was collected by licensed contractors in the reporting period.

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

4.2.2 Lyric Theatre Complex

As advised by the Contractor, 539.91 and 185.33 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 38.8 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 month. 0 tonne of inert C&D materials was reused on site. 4,352.0 tonnes of inert C&D materials were reused in other projects and 18.1 tonnes of inert C&D materials were disposed to sorting facility. 0 tonne of chemical waste was collected by licensed contractors in the reporting period.

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

4.3 Status of Environmental Licenses and Permits

The environmental permits, licenses, and/or notifications on environmental protection for this Project which were valid during the period are summarised in **Table 4.3 and Table 4.4**.

4.3.1 M+ Museum

Table 4.3: Status of Environmental Submissions, Licenses and Permits for M+ Museum

Permit / License No. / Notification / Reference No.	Valid Period		Status	Remarks
	From	To		
Chemical Waste Producer Registration				
5213-217-H2913-45	05-Nov-15	--	Valid	--
Billing Account Construction Waste Disposal				
7023393	13-Oct-15	--	Account Active	--
Construction Noise Permit				
GW-RE0790-17	3-Oct-17	2-Apr-18	Valid	
Wastewater Discharge License				
WT00023633-2016	4-Mar-16	31-Mar-21	Valid	--
Notification under Air Pollution Control (Construction Dust) Regulation				
394083	7-Oct-15	--	Notified	--

4.3.2 Lyric Theatre Complex

Table 4.4: Status of Environmental Submissions, Licenses and Permits for Lyric Theatre Complex

Permit / License No. / Notification / Reference No.	Valid Period		Status	Remarks
	From	To		
Chemical Waste Producer Registration				
5213-217-G2347-39	17-Feb-16	--	Valid	--
Billing Account Construction Waste Disposal				
7024189	25-Jan-16	--	Account Active	--

Permit / License No. / Notification / Reference No.	Valid Period		Status	Remarks
	From	To		
Construction Noise Permit				
GW-RE0677-17	20-Sep-17	19-Mar-18	Cancelled on 14-Nov-17	--
GW-RE0844-17	14-Nov-17	13-May-18	Valid	
Wastewater Discharge License				
WT00023648-2016	24-Jul-17	31-Mar-21	Valid	--
Notification under Air Pollution Control (Construction Dust) Regulation				
398075	18-Jan-16	--	Notified	--

4.4 Recommended Mitigation Measures

The EM&A programme followed the recommended mitigation measures in the EM&A Manual. The EM&A requirements as well as the summary of implementation status of the environmental mitigation measures are provided in **Appendix J**. In particular, the following mitigation measures were brought to attention during the site inspections:

4.4.1 M+ Museum

Chemical and Waste Management

- Air compressors should be provided with drip trays to prevent leakage of chemical wastes.
- Any chemical/ fuel/ oil leakage should be removed.
- Regular removal of refuse/ construction waste on site.

Air Quality

- Maintain high standard of housekeeping to prevent emission of fugitive dust.
- Cement bags should be well covered by impervious sheeting to reduce dust impact.
- Stockpile of excavated materials should be properly covered with impervious sheeting for dust suppression.
- Regular water spraying for haul roads should be provided for dust suppression.
- Dust suppression measures such as water spraying should be provided to dusty construction works, such as breaking work.

Water Quality

- Regular maintenance such as silt removal and washing should be provided to wetsep units to ensure their treatment performance.
- Capacity of wastewater treatment facilities provided on site should be regularly reviewed to ensure they have sufficient capacity to treat all site runoff.
- Any inactive parts of drainage systems, such as hoses, should be removed.

Noise

- Noise emission labels should be provided to hand-held breakers (>10kg).

4.4.2 Lyric Theatre Complex

Air Quality

- Proper NRMM labels should be provided for non-road mobile machinery.
- Regular water spraying for haul roads should be provided for dust suppression.

Chemical and Waste Management

- Any chemicals/ oil leakage should be removed and disposed of as chemical waste.

Water Quality

- Regular maintenance should be provided, such as removal of accumulated algae, should be provided to wetsep units to ensure their treatment performance.

5 Compliance with Environmental Permit

The status of the required submission under the EP during the reporting period is summarized in **Table 5.1**.

Table 5.1: Status of Submissions under the Environmental Permit

EP Condition	Submission	Submission Date
Condition 3.4	Monthly EM&A Report for October 2017	14 November 2017

6 Report in Non-compliance, Complaints, Notification of Summons and Successful Prosecutions

6.1 Record on Non-compliance of Action and Limit Levels

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

6.2 Record on Environmental Complaints Received

No environmental complaints were recorded in the reporting month. The cumulative statistics on complaints were provided in **Appendix K**.

6.3 Record on Notifications of Summons and Successful Prosecution

No notifications of summons or successful prosecution were received this month. The cumulative statistics on notifications of summons and successful prosecutions were provided in **Appendix K**.

7 Future Key Issues

7.1 Construction Works for the Coming Month(s)

7.1.1 M+ Museum

The major site works scheduled to be commissioned in the coming month include:

- M+ Construction Main Works of external and block walls, column, basement slab;
- Construction of RDE & CSF building including column, walls and slab;
- Works at SPS including AVWF work and E&M works.

7.1.2 Lyric Theatre Complex

The major site works scheduled to be commissioned in the coming month include:

- Pile Head Trimming at ELS Area;
- Installation of Monitoring Instrumentation;
- Pre-grouting adjacent to seawall;
- Pipe Pile Construction;
- Pumping Test.

7.2 Key Issues for the Coming Month

7.2.1 M+ Museum

Key issues to be considered in the coming month include:

- Generation of dust from construction works;
- Noise impact from operating equipment and machinery on-site;
- Generation of site surface runoffs and wastewater from activities on-site;
- Management of stockpiles and slopes, particularly on rainy days;
- Sorting, recycling, storage and disposal of general refuse and construction waste; and
- Management of chemicals and avoidance of oil spillage on-site.

7.2.2 Lyric Theatre Complex

Key issues to be considered in the coming month include:

- Generation of dust from construction works;
- Noise impact from operating equipment and machinery on-site;
- Generation of site surface runoffs and wastewater from activities on-site;
- Management of stockpiles and slopes, particularly on rainy days;
- Sorting, recycling, storage and disposal of general refuse and construction waste; and
- Management of chemicals and avoidance of oil spillage on-site.

7.3 Monitoring Schedule for the Coming Month

The environmental site inspection and environmental monitoring will be continued in the coming month. Impact monitoring for air quality and noise in accordance with the approved EM&A Manual has commenced since 31 October 2015 and 5 March 2016 respectively. The tentative monitoring schedule for the coming month is shown in the **Appendix E**.

8 Conclusions and Recommendations

8.1 Conclusions

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

Monitoring of air quality and noise with respect to the Projects 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 month.

No environmental complaints were recorded in the reporting month. No notifications of summons or successful prosecution were received during the reporting month.

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

8.2 Recommendations

Potential environmental impacts due to the construction activities, including air quality, noise, water quality, waste, landscape and visual, will be monitored or reviewed. The recommended environmental mitigation measures shall be implemented on site and regular inspections as required will be carried out to ensure that the environmental conditions are acceptable.

Figure 1 Site Layout Plan and Monitoring Stations

Appendices

A.	Project Organisation	25
B.	Tentative Construction Programme	26
C.	Action and Limit Levels for Construction Phase	27
D.	Event and Action Plan for Air Quality, Noise, Landscape and Visual Impact	28
E.	Monitoring Schedule	29
F.	Calibration Certifications	30
G.	Graphical Plots of the Monitoring Results	31
H.	Meteorological Data Extracted from Hong Kong Observatory	32
I.	Waste Flow table	33
J.	Environmental Mitigation Measures – Implementation Status	34
K.	Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions	35

A. Project Organisation

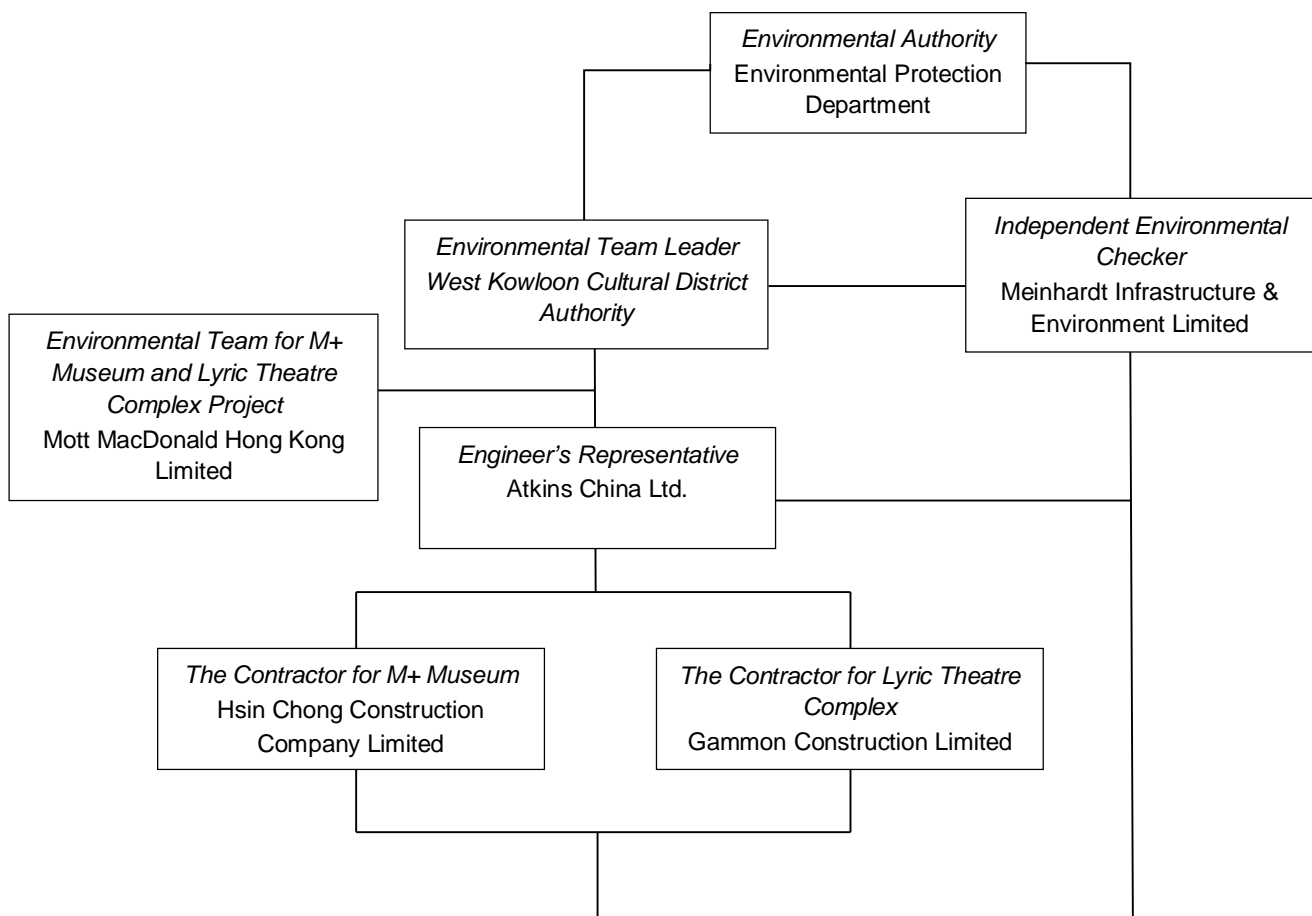


Table A-1: Contact information

Company Name	Role	Name	Telephone
Atkins China Ltd.	Resident Engineer	Mr. Benny Ip	9379 5614
Meinhardt Infrastructure & Environment Limited	Independent Environmental Checker	Mr. Fredrick Leong	2859 1739
Hsin Chong Construction Company Limited	Environmental Manager	Mr. Andy Leung	9016 2503
Gammon Construction Limited	Environmental Manager	Ms. Michelle Tang	9267 8866
Mott MacDonald Hong Kong Ltd.	Contractor's Environmental Team Leader	Mr Brandon Wong	2828 5875
West Kowloon Cultural District Authority	Senior Environmental Specialist	Mr. Brian Tam	2200 0059

B. Tentative Construction Programme

M+ Museum

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29					
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05						
Five Weeks Rolling Programme (5WRP-109) (22 Oct to 28 Oct 2017) (Latest)																																			
M+																																			
Contract Dates																																			
CD01	Contract Period (1218 days)	822	17-Dec-16	18-Mar-19	17-Dec-16 A	24-May-19	38.44%	29.95%	-67																										
Contract Key Dates																																			
CKD01	Sewage Pumping Station (SPS) - Practical Completion for H/O to DSD	0		25-Jun-17		15-Nov-17*	100%	0%	-143																										
Forecast Completion Dates																																			
KD01	Sewage Pumping Station (SPS) - Practical Completion for H/O to DSD	0		15-Sep-17		15-Nov-17*	100%	0%	-61																										
Critical Key Dates																																			
Critical Key Dates - Podium Structure RC Works																																			
A11110	Complete Zone A - G/F Slab, Wall & Columns	0		31-May-17		03-Nov-17	100%	0%	-130																										
A11120	Complete Zone A - 1M/F Slab, Wall & Columns	0		27-Jun-17		09-Nov-17	100%	0%	-112																										
A11125	Complete Zone A - 2/F Slab, Wall & Columns	0		22-Jul-17		27-Nov-17	100%	0%	-106																										
A11800	Complete Zone A - 3/F Slab, Wall & Columns	0		21-Aug-17		20-Dec-17	100%	0%	-101																										
A11810	Complete Zone H - B1/F Slab	0		06-Jun-17		07-Nov-17	100%	0%	-128																										
A11820	Complete Zone H - LG/F Slab, Wall & Columns	0		17-Jun-17		20-Nov-17	100%	0%	-129																										
A11830	Complete Zone H - G/F Slab, Wall & Columns	0		02-Aug-17		22-Nov-17	100%	0%	-93																										
A11840	Complete Zone H - 1/F Slab, Wall & Columns	0		21-Aug-17		07-Dec-17	100%	0%	-90																										
A11850	Complete Zone H - 1M/F Slab, Wall & Columns	0		07-Sep-17		22-Dec-17	100%	0%	-88																										
A11860	Complete Zone H - 2/F Slab, Wall & Columns	0		25-Sep-17		09-Jan-18	100%	0%	-85																										
A11870	Complete Zone H - 3/F Slab, Wall & Columns	0		25-Oct-17		01-Feb-18	100%	0%	-81																										
A11950	Complete Zone M - G/F Slab, Wall & Columns (GL7-8/D-E)	0		12-Sep-17		05-Dec-17	100%	0%	-69																										
A11960	Complete Zone M - 1M/F Slab, Wall & Columns (GL7-8/D-E)	0		23-Sep-17		24-Nov-17	100%	0%	-50																										
A11970	Complete Zone M - 2/F Slab, Wall & Columns (GL7-8/D-E)	0		07-Oct-17		13-Nov-17	100%	0%	-30																										
A11980	Complete Zone M - 3/F Slab, Wall & Columns (GL7-8/D-E)	0		19-Oct-17		05-Dec-17	100%	0%	-39																										
A12000	Complete Zone M - 4/F Slab, Wall & Columns (GL7-8/D-E)	0		01-Nov-17		01-Nov-17	0%	0%	0																										
A12010	Complete Zone C - G/F Slab, Wall & Columns	0		13-Jun-17		13-Dec-17	100%	0%	-153																										
A12020	Complete Zone C - 1/F Slab, Wall & Columns	0		19-Jul-17		07-Oct-17 A	100%	100%	-67																										
A12030	Complete Zone C - 1M/F Slab, Wall & Columns	0		19-Jul-17		07-Oct-17 A	100%	100%	-67																										
A12040	Complete Zone C - 2/F Slab, Wall & Columns	0		17-Aug-17		20-Nov-17	100%	0%	-78																										
A12050	Complete Zone C - 3/F Slab, Wall & Columns	0		21-Sep-17		27-Dec-17	100%	0%	-78																										
A12090	Complete Zone D1 - B1 Slab, Wall & Columns	0		11-Jan-18		22-Feb-18	0%	0%	-33																										
A12100	Complete Zone D1 - G/F Slab, Wall & Columns incld. De-Prop	0		26-Jan-18		09-Mar-18	0%	0%	-33																										
A12120	Complete Zone D1 - 1M/F Slab, Wall & Columns incld. De-Prop	0		20-Nov-17		30-Dec-17	0%	0%	-33																										
A12130	Complete Zone D1 - 2/F Slab, Wall & Columns	0		08-Nov-17		06-Dec-17	0%	0%	-24																										
A12140	Complete Zone D1 - 3/F Slab, Wall & Columns incld. De-Prop	0		13-Dec-17		13-Jan-18	0%	0%	-24																										
A12160	Complete Zone D2 - B1/F Slab	0		29-Dec-17		14-Mar-18	0%	0%	-60																										
A12190	Complete Zone D2 - 1M/F Slab, Wall & Columns incld De-Prop	0		11-Dec-17		26-Feb-18	0%	0%	-60																										
A12200	Complete Zone D2 - 2/F Slab, Wall & Columns	0		30-Nov-17		15-Feb-18	0%	0%	-63																										
A12210	Complete Zone D2 - 3/F Slab, Wall & Columns incld De-Prop	0		17-Jan-18		04-Apr-18	0%	0%	-60																										
A12220	Complete Zone B - B1/F Slab, Wall & Column	0		31-Oct-17		16-Jan-18	0%	0%	-63																										

	Remaining Level of Effort		Remaining W...
	Actual Level of Effort		Critical Rem...
	Milestone		Actual Milest...
	Critical Milestone		Project Baseli...
	Actual Work		Project LoE B...

West Kowloon Cultural District Authority
M+ Contractor's Main Works Programme CMWP -
 (Rev. 0 - Draft 5)



Date	Revision	Checked	Approved
31-Jul-17	3MRP_M22_31 July 17	Chris S.	Chris Chau / Ricky Lau
31-Aug-17	3MRP_M23_31 August...	Chris S.	Chris Chau / Ricky Lau
30-Sep-17	3MRP_M24_30 Sept 17	Sam T.	Chris Chau / Ricky Lau
28-Oct-17	3MRP_M25_28 Oct 17	Robby...	Chris Chau / Ricky Lau

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0,D5 Start	CMWP - R0,D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
A57680	Removal of T5 Modular Side Towers & Bracing	3	05-Sep-17	07-Sep-17	30-Sep-17 A	02-Oct-17 A	100%	100%	-24																														
A57690	Removal of T3 Modular Side Towers & Bracing	3	11-Aug-17	14-Aug-17	21-Oct-17 A	07-Nov-17	100%	30%	-66																														
A57700	Removal of T4 Modular Side Towers & Bracing	3	22-Aug-17	24-Aug-17	19-Oct-17 A	21-Oct-17 A	100%	100%	-48																														
Removal of T5 Falseworks																																							
Pre-setup Works																																							
A18340	Install additional beam for strengthening T5 9M trusses	6	22-Aug-17	28-Aug-17	30-Oct-17	04-Nov-17	100%	0%	-56																														
A18350	Set up Strand Jack Support System at T5	5	29-Aug-17	02-Sep-17	06-Nov-17	10-Nov-17	100%	0%	-56																														
Removal Works for T5 Falseworks																																							
A57880	Installation of Strand Jack on Strand Jack Support at T5	5	08-Sep-17	13-Sep-17	11-Nov-17	16-Nov-17	100%	0%	-52																														
A57890	Lift up 100mm	1	14-Sep-17	14-Sep-17	17-Nov-17	17-Nov-17	100%	0%	-52																														
A57900	Remove PERI Tower Jack head	2	15-Sep-17	16-Sep-17	18-Nov-17	20-Nov-17	100%	0%	-52																														
A57910	Remove PERI Tower (12 nos.)	3	18-Sep-17	20-Sep-17	21-Nov-17	23-Nov-17	100%	0%	-52																														
A57920	Lower down 9M truss (6 nos.)	1	21-Sep-17	21-Sep-17	24-Nov-17	24-Nov-17	100%	0%	-52																														
A57930	Disconnect strand jacksystem at T5	1	22-Sep-17	22-Sep-17	25-Nov-17	25-Nov-17	100%	0%	-52																														
A57940	Remove T5 working platform	3	23-Sep-17	26-Sep-17	10-Oct-17 A	21-Oct-17 A	100%	100%	-20																														
A57960	Remove 9M truss (12 nos.)	4	27-Sep-17	30-Sep-17	30-Oct-17	02-Nov-17	100%	0%	-25																														
A57970	Remove Non-Typical truss	4	27-Sep-17	30-Sep-17	30-Oct-17	02-Nov-17	100%	0%	-25																														
A57980	Remove Spreader Beam	2	03-Oct-17	04-Oct-17	03-Nov-17	04-Nov-17	100%	0%	-25																														
Removal of T1 & T2 Falseworks																																							
Pre-setup Works																																							
A18250	Install additional beam for strengthening T1&T2 18M trusses	6	12-Aug-17	18-Aug-17	30-Sep-17 A	21-Oct-17 A	100%	100%	-53																														
A18260	Remove Strand Jack on Strand Jack Support at T5	5	19-Aug-17	24-Aug-17	30-Oct-17	03-Nov-17	100%	0%	-58																														
A18270	Set up Strand Jack Support System at T1 & T2	4	25-Aug-17	29-Aug-17	04-Nov-17	08-Nov-17	100%	0%	-58																														
Removal Works for T1 & T2 Falseworks																																							
A18280	Installation of Strand Jack on Strand Jack Support at T1,T2	5	15-Sep-17	20-Sep-17	01-Dec-17	06-Dec-17	100%	0%	-63																														
A18290	Lift up 100mm	1	21-Sep-17	21-Sep-17	07-Dec-17	07-Dec-17	100%	0%	-63																														
A18300	Remove PERI Tower Jack head	2	22-Sep-17	23-Sep-17	08-Dec-17	09-Dec-17	100%	0%	-63																														
A18310	Remove PERI Tower (12 nos.)	4	25-Sep-17	28-Sep-17	11-Dec-17	14-Dec-17	100%	0%	-63																														
A57710	Lower down 18M truss (6 nos.)	1	29-Sep-17	29-Sep-17	15-Dec-17	15-Dec-17	100%	0%	-63																														
A57720	Disconnect strand jacksystem at T1 & T2	1	29-Sep-17	29-Sep-17	15-Dec-17	15-Dec-17	100%	0%	-63																														
A57730	Remove T1 & T2 working platform	3	30-Sep-17	04-Oct-17	16-Dec-17	19-Dec-17	100%	0%	-63																														
A57740	Remove 18M truss (6 nos.)	4	06-Oct-17	10-Oct-17	20-Dec-17	23-Dec-17	100%	0%	-63																														
A57750	Remove 9M truss (12 nos.)	4	11-Oct-17	14-Oct-17	27-Dec-17	30-Dec-17	100%	0%	-63																														
A57760	Remove Non-Typical truss	4	16-Oct-17	19-Oct-17	02-Jan-18	05-Jan-18	100%	0%	-63																														
A57770	Remove Spreader Beam	3	18-Oct-17	20-Oct-17	04-Jan-18	06-Jan-18	100%	0%	-63																														
Removal of T3 Falseworks																																							
Pre-setup Works																																							
A18410	Install additional beam for strengthening T3 9M trusses	6	30-Aug-17	05-Sep-17	09-Nov-17	15-Nov-17	100%	0%	-58																														
A18420	Remove Strand Jack on Strand Jack Support at T1 & T2	5	23-Sep-17	28-Sep-17	16-Nov-17	21-Nov-17	100%	0%	-43																														
A18430	Set up Strand Jack Support System at T3	4	29-Sep-17	04-Oct-17	22-Nov-17	25-Nov-17	100%	0%	-43																														
Removal Works for T3 Falseworks																																							
A57990	Install Strand Jack on Strand Jack Support at T3	5	06-Oct-17	11-Oct-17	03-Nov-17	08-Nov-17	100%	0%	-23																														
A58000	Lift up 100mm	1	12-Oct-17	12-Oct-17	09-Nov-17	09-Nov-17	100%	0%	-23																														
A58010	Remove PERI Tower Jack head	2	13-Oct-17	14-Oct-17	10-Nov-17	11-Nov-17	100%	0%	-23																														
A58020	Remove PERI Tower (12 nos.)	3	16-Oct-17	18-Oct-17	13-Nov-17	15-Nov-17	100%	0%	-23																														
A58030	Lower down 9M truss (6 nos.)	1	19-Oct-17	19-Oct-17	16-Nov-17	16-Nov-17	100%	0%	-23																														

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December				January				February		
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	
Area Between Modular Towers																														
A18065	Scaffolding for 2/F Slab & Beam @GLL-H	3	12-Aug-17	15-Aug-17	07-Oct-17 A	31-Oct-17	100%	80%	-63																					
A18070	Rebar fixing of 2/F Slab & Beam @GLL-H	3	16-Aug-17	18-Aug-17	01-Nov-17	03-Nov-17	100%	0%	-63																					
A18080	Formworks of 2/F Slab & Beam @GLL-H	2	19-Aug-17	21-Aug-17	17-Oct-17 A	06-Nov-17	100%	0%	-63																					
A18090	Concreting 2/F Slab & Beam @GLL-H	1	22-Aug-17	22-Aug-17	07-Nov-17	07-Nov-17	100%	0%	-63																					
A18100	Concrete Curing 2/F Slab & Beam @GLL-H	3	23-Aug-17	25-Aug-17	08-Nov-17	10-Nov-17	100%	0%	-77																					
A18105	Scaffolding for 2/F Slab & Beam @GLH-E	3	16-Aug-17	18-Aug-17	07-Oct-17 A	31-Oct-17	100%	10%	-60																					
A50340	Rebar fixing of 2/F Slab & Beam @GLH-E	3	19-Aug-17	22-Aug-17	04-Nov-17	07-Nov-17	100%	0%	-63																					
A50350	Formworks of 2/F Slab & Beam @GLH-E	2	23-Aug-17	24-Aug-17	08-Nov-17	09-Nov-17	100%	0%	-63																					
A50360	Concreting 2/F Slab & Beam @GLH-E	1	25-Aug-17	25-Aug-17	10-Nov-17	10-Nov-17	100%	0%	-63																					
A50370	Concrete Curing 2/F Slab & Beam @GLH-E	3	26-Aug-17	28-Aug-17	11-Nov-17	13-Nov-17	100%	0%	-77																					
Area of Modular Towers																														
A57580	Scaffolding for 2/F Slab & Beam @GLL-H	3	25-Aug-17	28-Aug-17	10-Nov-17	13-Nov-17	100%	0%	-63																					
A57590	Rebar fixing of 2/F Slab & Beam @GLL-H	3	31-Aug-17	02-Sep-17	16-Nov-17	18-Nov-17	100%	0%	-63																					
A57600	Formworks of 2/F Slab & Beam @GLL-H	2	29-Aug-17	30-Aug-17	14-Nov-17	15-Nov-17	100%	0%	-63																					
A57610	Concreting 2/F Slab & Beam @GLL-H	1	04-Sep-17	04-Sep-17	20-Nov-17	20-Nov-17	100%	0%	-63																					
A57620	Concrete Curing 2/F Slab & Beam @GLL-H	3	05-Sep-17	07-Sep-17	21-Nov-17	23-Nov-17	100%	0%	-77																					
A57630	Scaffolding for 2/F Slab & Beam @GLH-E	3	29-Aug-17	31-Aug-17	14-Nov-17	16-Nov-17	100%	0%	-63																					
A57640	Rebar fixing of 2/F Slab & Beam @GLH-E	3	04-Sep-17	06-Sep-17	20-Nov-17	22-Nov-17	100%	0%	-63																					
A57650	Formworks of 2/F Slab & Beam @GLH-E	2	01-Sep-17	02-Sep-17	17-Nov-17	18-Nov-17	100%	0%	-63																					
A57660	Concreting 2/F Slab & Beam @GLH-E	1	07-Sep-17	07-Sep-17	23-Nov-17	23-Nov-17	100%	0%	-63																					
A57670	Concrete Curing 2/F Slab & Beam @GLH-E	3	08-Sep-17	10-Sep-17	24-Nov-17	26-Nov-17	100%	0%	-77																					
RC Works for 3/F Beams (2 nos.)																														
A18110	Falseworks for 3/F Beams RC Works @GLL-H	5	26-Aug-17	31-Aug-17	30-Oct-17	03-Nov-17	100%	0%	-52																					
A18115	Rebar fixing of 3/F Beams @GLL-H	3	01-Sep-17	04-Sep-17	04-Nov-17	07-Nov-17	100%	0%	-52																					
A18120	Formworks of 3/F Beams @GLL-H	3	05-Sep-17	07-Sep-17	08-Nov-17	10-Nov-17	100%	0%	-52																					
A18130	Concreting 3/F Beams @GLL-H	1	08-Sep-17	08-Sep-17	11-Nov-17	11-Nov-17	100%	0%	-52																					
A18140	Concrete Curing 3/F Beams @GLL-H	5	09-Sep-17	13-Sep-17	12-Nov-17	16-Nov-17	100%	0%	-64																					
A18180	Falseworks for 3/F Beams RC Works @GLH-E	5	01-Sep-17	06-Sep-17	04-Nov-17	09-Nov-17	100%	0%	-52																					
A18190	Rebar fixing of 3/F Beams @GLH-E	5	07-Sep-17	12-Sep-17	10-Nov-17	15-Nov-17	100%	0%	-52																					
A18200	Formworks of 3/F Beams @GLH-E	3	13-Sep-17	15-Sep-17	16-Nov-17	18-Nov-17	100%	0%	-52																					
A18230	Concreting 3/F Beams @GLH-E	1	16-Sep-17	16-Sep-17	20-Nov-17	20-Nov-17	100%	0%	-52																					
A18240	Concrete Curing 3/F Beams @GLH-E	5	17-Sep-17	21-Sep-17	21-Nov-17	25-Nov-17	100%	0%	-65																					
RC Works for 3/F Wall, Column & Upper Slab (In-fill)																														
A50455	Scaffolding for 3/F Upper Slab RC Works	7	26-Aug-17	02-Sep-17	30-Oct-17	04-Nov-17	100%	0%	-51																					
A50460	Rebar fixing of 3/F Upper Slab	12	04-Sep-17	16-Sep-17	06-Nov-17	16-Nov-17	100%	0%	-49																					
A50470	Formworks of 3/F Upper Slab	12	13-Sep-17	26-Sep-17	13-Nov-17	25-Nov-17	100%	0%	-49																					
A50480	Concreting 3/F Upper Slab	1	27-Sep-17	27-Sep-17	27-Nov-17	27-Nov-17	100%	0%	-49																					
A50490	Concrete Curing 3/F Upper Slab	5	28-Sep-17	02-Oct-17	28-Nov-17	30-Nov-17	100%	0%	-59																					
RC Works for 3/F Wall, Column & Lower Slab (In-fill)																														
A17915	Scaffolding for 3/F Wall, Columns & Lower Slab RC Works	3	03-Oct-17	06-Oct-17	01-Dec-17	04-Dec-17	100%	0%	-49																					
A17920	Rebar fixing of 3/F Wall, Columns & Lower Slab	8	07-Oct-17	16-Oct-17	05-Dec-17	13-Dec-17	100%	0%	-49																					
A17930	Formworks of 3/F Wall, Columns & Lower Slab	8	17-Oct-17	25-Oct-17	12-Dec-17	20-Dec-17	100%	0%	-47																					
A17940	Concreting 3/F Wall, Columns & Lower Slab	1	26-Oct-17	26-Oct-17	21-Dec-17	21-Dec-17	100%	0%	-47																					
A17950	Concrete Curing 3/F Wall, Columns & Lower Slab	3	27-Oct-17	29-Oct-17	22-Dec-17	24-Dec-17	66.67%	0%	-56																					
RC Works for 1M/F In-fill Slab																														

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February						
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05							
A50375	Construct retaining wall (GL 7-8/G-H)	15	21-Oct-17	08-Nov-17	08-Jan-18	24-Jan-18	40%	0%	-63	[Gantt bar for A50375: Oct 25 to Nov 06]																										
A50380	Scaffolding for 1M/F Slab RC Works	6	09-Nov-17	15-Nov-17	07-Oct-17 A	04-Nov-17	0%	30%	9	[Gantt bar for A50380: Oct 25 to Nov 06]																										
A50385	Rebar fixing of 1M/F In-fill Slab	6	16-Nov-17	22-Nov-17	06-Nov-17	11-Nov-17	0%	0%	9	[Gantt bar for A50385: Nov 06 to Nov 20]																										
A50390	Formworks of 1M/F In-fill Slab	6	23-Nov-17	29-Nov-17	17-Oct-17 A	04-Nov-17	0%	5%	21	[Gantt bar for A50390: Nov 06 to Nov 20]																										
A50400	Concreting 1M/F In-fill Slab	1	30-Nov-17	30-Nov-17	06-Nov-17	06-Nov-17	0%	0%	21	[Gantt bar for A50400: Nov 06 to Nov 20]																										
A50410	Concrete Curing 1M/F In-fill Slab	5	01-Dec-17	05-Dec-17	07-Nov-17	11-Nov-17	0%	0%	24	[Gantt bar for A50410: Nov 20 to Dec 04]																										
Spiral Staircase Construction																																				
A59030	Staircase Fabrication	30	11-Aug-17	14-Sep-17	27-Sep-17 A	28-Nov-17	100%	20%	-61	[Gantt bar for A59030: Sep 27 to Nov 27]																										
A59040	Trial Assembly	6	15-Sep-17	21-Sep-17	29-Nov-17	05-Dec-17	100%	0%	-61	[Gantt bar for A59040: Sep 27 to Nov 27]																										
A59050	Installation of cast-in bolts	30	12-Aug-17	15-Sep-17	30-Oct-17	02-Dec-17	100%	0%	-64	[Gantt bar for A59050: Sep 27 to Nov 27]																										
A59060	Installation of Staircase	20	21-Sep-17	16-Oct-17	05-Dec-17	29-Dec-17	100%	0%	-61	[Gantt bar for A59060: Sep 27 to Nov 27]																										
M+ Tower Structure RC Works																																				
Tower Structure - West Core Wall (Non-deferred Zone M) @ GL 7-8/A-E																																				
A42980	6F-7F Wall, Column & 7 F slab (GL 7-8/A-D)	12	08-Aug-17	21-Aug-17	20-Sep-17 A	14-Oct-17 A	100%	100%	-45	[Gantt bar for A42980: Sep 20 to Oct 14]																										
A42990	7F-8F Wall, Column & 8 F slab (GL 7-8/A-D)	12	22-Aug-17	04-Sep-17	14-Oct-17 A	11-Nov-17	100%	30%	-56	[Gantt bar for A42990: Sep 20 to Nov 11]																										
A43220	8F-9F Wall, Column & 9 F slab (GL 7-8/A-D)	12	05-Sep-17	18-Sep-17	13-Nov-17	25-Nov-17	100%	0%	-56	[Gantt bar for A43220: Sep 20 to Nov 25]																										
A43240	Complete West Core Wall Structure to 9F slab	0		18-Sep-17		25-Nov-17	100%	0%	-56	[Gantt bar for A43240: Sep 20 to Nov 25]																										
Tower Structure - West Core Wall @GL7-8/A-E (TC2 TIE TO WCW)																																				
A37565	9F-10F Wall, Column & 10F slab (GL 7-8/A-E)	12	19-Sep-17	03-Oct-17	27-Nov-17	08-Dec-17	100%	0%	-55	[Gantt bar for A37565: Sep 20 to Dec 08]																										
A37570	10F-11F Wall, Column & 11F slab (GL 7-8/A-E)	12	04-Oct-17	18-Oct-17	09-Dec-17	21-Dec-17	100%	0%	-54	[Gantt bar for A37570: Sep 20 to Dec 21]																										
A37580	11F-12F Wall, Column & 12F slab (GL 7-8/A-E)	12	19-Oct-17	02-Nov-17	22-Dec-17	06-Jan-18	66.67%	0%	-53	[Gantt bar for A37580: Sep 20 to Jan 06]																										
A37590	12F-13F Wall, Column & 13F slab (GL 7-8/A-E)	12	03-Nov-17	16-Nov-17	08-Jan-18	19-Jan-18	0%	0%	-52	[Gantt bar for A37590: Sep 20 to Jan 19]																										
A37600	13F-14F Wall, Column & 14F slab (GL 7-8/A-E)	12	17-Nov-17	30-Nov-17	20-Jan-18	02-Feb-18	0%	0%	-52	[Gantt bar for A37600: Sep 20 to Feb 02]																										
A37610	14F-15F Wall, Column & 15F slab (GL 7-8/A-E)	12	01-Dec-17	14-Dec-17	03-Feb-18	20-Feb-18	0%	0%	-52	[Gantt bar for A37610: Sep 20 to Feb 20]																										
A37620	15F-16F Wall, Column & 16F slab (GL 7-8/A-E)	12	15-Dec-17	30-Dec-17	21-Feb-18	06-Mar-18	0%	0%	-52	[Gantt bar for A37620: Sep 20 to Mar 06]																										
A37630	16F-RF Wall, Column & RF slab (GL 7-8/A-E)	12	02-Jan-18	15-Jan-18	07-Mar-18	20-Mar-18	0%	0%	-52	[Gantt bar for A37630: Sep 20 to Mar 20]																										
A37640	RF-URF Wall, Column & URF (GL 7-8/A-E)	6	16-Jan-18	22-Jan-18	21-Mar-18	27-Mar-18	0%	0%	-52	[Gantt bar for A37640: Sep 20 to Mar 27]																										
A37650	Complete West Core Wall Structure to RF slab	0		22-Jan-18		27-Mar-18	0%	0%	-52	[Gantt bar for A37650: Sep 20 to Mar 27]																										
Tower Structure - East Core Wall (Non-deferred Zone N) @ GL 7-8/L-M																																				
A43000	4F-5F Wall, Column & 5 F slab (GL 7-8/L-M)	12	15-Aug-17	28-Aug-17	10-Nov-17	23-Nov-17	100%	0%	-72	[Gantt bar for A43000: Sep 20 to Nov 23]																										
A43010	5F-6F Wall, Column & 6 F slab (GL 7-8/L-M)	12	29-Aug-17	11-Sep-17	24-Nov-17	07-Dec-17	100%	0%	-72	[Gantt bar for A43010: Sep 20 to Dec 07]																										
A43020	6F-7F Wall, Column & 7 F slab (GL 7-8/L-M)	10	12-Sep-17	22-Sep-17	08-Dec-17	19-Dec-17	100%	0%	-72	[Gantt bar for A43020: Sep 20 to Dec 19]																										
A43030	7F-8F Wall, Column & 8 F slab (GL 7-8/L-M)	10	23-Sep-17	06-Oct-17	20-Dec-17	03-Jan-18	100%	0%	-72	[Gantt bar for A43030: Sep 20 to Jan 03]																										
A43040	8F-9F Wall, Column & 9 F slab (GL 7-8/L-M)	10	07-Oct-17	18-Oct-17	04-Jan-18	15-Jan-18	100%	0%	-72	[Gantt bar for A43040: Sep 20 to Jan 15]																										
A43060	Complete East Core Wall Structure to 9F slab	0		18-Oct-17		15-Jan-18	100%	0%	-72	[Gantt bar for A43060: Sep 20 to Jan 15]																										
Tower Structure - East Core Wall @GL7-8/L-M (TC2 TIE TO WCW)																																				
A37655	9F-10F Wall, Column & 10F slab (GL 7-8/L-M)	10	19-Oct-17	31-Oct-17	16-Jan-18	26-Jan-18	80%	0%	-72	[Gantt bar for A37655: Sep 20 to Jan 26]																										
A37660	10F-11F Wall, Column & 11F slab (GL 7-8/L-M)	10	01-Nov-17	11-Nov-17	27-Jan-18	07-Feb-18	0%	0%	-72	[Gantt bar for A37660: Sep 20 to Feb 07]																										
A37670	11F-12F Wall, Column & 12F slab (GL 7-8/L-M)	10	13-Nov-17	23-Nov-17	08-Feb-18	22-Feb-18	0%	0%	-72	[Gantt bar for A37670: Sep 20 to Feb 22]																										
A37690	12F-13F Wall, Column & 13F slab (GL 7-8/L-M)	10	24-Nov-17	05-Dec-17	23-Feb-18	06-Mar-18	0%	0%	-72	[Gantt bar for A37690: Sep 20 to Mar 06]																										
A37700	13F-14F Wall, Column & 14F slab (GL 7-8/L-M)	10	06-Dec-17	16-Dec-17	07-Mar-18	17-Mar-18	0%	0%	-72	[Gantt bar for A37700: Sep 20 to Mar 17]																										
A37710	14F-15F Wall, Column & 15F slab (GL 7-8/L-M)	10	18-Dec-17	30-Dec-17	19-Mar-18	29-Mar-18	0%	0%	-72	[Gantt bar for A37710: Sep 20 to Mar 29]																										
A37720	15F-16F Wall, Column & 16F slab (GL 7-8/L-M)	10	02-Jan-18	12-Jan-18	03-Apr-18	14-Apr-18	0%	0%	-72	[Gantt bar for A37720: Sep 20 to Apr 14]																										
A37730	16F-RF Wall, Column & RF slab (GL 7-8/L-M)	10	13-Jan-18	24-Jan-18	16-Apr-18	26-Apr-18	0%	0%	-72	[Gantt bar for A37730: Sep 20 to Apr 26]																										
A37740	RF-URF Wall, Column & URF (GL 7-8/L-M)	5	25-Jan-18	30-Jan-18	27-Apr-18	03-May-18	0%	0%	-72	[Gantt bar for A37740: Sep 20 to May 03]																										
Tower Structure (Deferred Zone F - 4F to RF) @ GL 7-8/E-L																																				

Complete West Core Wall Structure to 9F slab,

Complete East Core

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February		
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05			
Tower Structure-Deferred Zone F @ GL 7-8/E-L (TC2 TIE TO WCW)																																
A37760	4F-5F Wall, Column & 5F slab (GL 7-8/E/L)	12	11-Sep-17	23-Sep-17	27-Nov-17	08-Dec-17	100%	0%	-62																							
A37770	5F-6F Wall, Column & 6F slab (GL 7-8/E/L)	11	25-Sep-17	09-Oct-17	09-Dec-17	20-Dec-17	100%	0%	-61																							
A37780	6F-7F Wall, Column & 7F slab (GL 7-8/E/L)	10	10-Oct-17	20-Oct-17	21-Dec-17	03-Jan-18	100%	0%	-60																							
A37790	7F-8F Wall, Column & 8F slab (GL 7-8/E/L)	10	21-Oct-17	02-Nov-17	04-Jan-18	15-Jan-18	60%	0%	-60																							
A37800	8F-9F Wall, Column & 9F slab (GL 7-8/E/L)	10	03-Nov-17	14-Nov-17	16-Jan-18	26-Jan-18	0%	0%	-60																							
A37810	9F-10F Wall, Column & 10F slab (GL 7-8/E/L)	10	15-Nov-17	25-Nov-17	27-Jan-18	07-Feb-18	0%	0%	-60																							
A37820	10F-11F Wall, Column & 11F slab (GL 7-8/E/L)	10	27-Nov-17	07-Dec-17	08-Feb-18	22-Feb-18	0%	0%	-60																							
A37830	11F-12F Wall, Column & 12F slab (GL 7-8/E/L)	10	08-Dec-17	19-Dec-17	23-Feb-18	06-Mar-18	0%	0%	-60																							
A37840	12F-13F Wall, Column & 13F slab (GL 7-8/E/L)	10	20-Dec-17	03-Jan-18	15-Mar-18	26-Mar-18	0%	0%	-67																							
A37850	13F-14F Wall, Column & 14F slab (GL 7-8/E/L)	10	04-Jan-18	15-Jan-18	27-Mar-18	11-Apr-18	0%	0%	-67																							
A37860	14F-15F Wall, Column & 15F slab (GL 7-8/E/L)	10	16-Jan-18	26-Jan-18	12-Apr-18	23-Apr-18	0%	0%	-67																							
A37870	15F-16F Wall, Column & 16F slab (GL 7-8/E/L)	10	27-Jan-18	07-Feb-18	24-Apr-18	05-May-18	0%	0%	-67																							
M+ Podium & Tower FACADE Preliminaries																																
SHOP DRAWING SUBMISSIONS FACADE SYSTEM & EMBEDS																																
SHOP DRAWING - Glass Wall with T Mullion																																
A51280	2nd Shopdrawing Submission - Review & Approval	35	19-Apr-17	23-May-17	19-Apr-17 A	30-Sep-17 A	100%	100%	-130																							
SHOP DRAWING - Metal Cladding FAC-LV-01a/FAC-LV-01b (Additional Scope)																																
A51420	2nd Shopdrawing Submission	14	25-May-17	07-Jun-17	29-Oct-17	11-Nov-17	100%	0%	-157																							
A51430	2nd Shopdrawing Submission - Review & Approval	21	08-Jun-17	28-Jun-17	12-Nov-17	02-Dec-17	100%	0%	-157																							
BD SUBMISSIONS FACADE SYSTEM & EMBEDS																																
BD Submission - Garden Gallery Ceramic Cladding System & Embed																																
A51780	Garden Gallery Ceramic - BD Approval	62	04-May-17	04-Jul-17	04-May-17 A	31-Oct-17	100%	94%	-119																							
A51790	Garden Gallery Ceramic - Conccent	30	05-Jul-17	03-Aug-17	01-Nov-17	30-Nov-17	100%	0%	-119																							
BD Submission - Glass Wall with T Mullion System & Embed																																
A51830	2nd Submission - Review & Approval by MJV (w/ RSE Endorsement)	15	06-May-17	20-May-17	06-May-17 A	29-Oct-17	100%	95%	-162																							
A51860	Glass Wall with T Mullion - BD Approval	43	06-May-17	17-Jun-17	06-May-17 A	05-Nov-17	100%	85%	-141																							
A51870	Glass Wall with T Mullion - Consent	28	06-May-17	02-Jun-17	06-May-17 A	10-Nov-17	100%	80%	-161																							
BD Submission - Strip Glazing at Skylight Gallery & Plaza Skylight at L3 System & Embed																																
A51950	Strip Glazing at Skylight Gallery & Plaza Skylight - Conccent	30	17-Jun-17	16-Jul-17	09-Sep-17 A	11-Nov-17	100%	80%	-118																							
BD Submission - Glass Wall with Ceramic/Precast Concrete Mullion, Concrete Tube & Perforated Claddin																																
A51980	2nd Submission	7	23-May-17	29-May-17	29-Oct-17	03-Nov-17	100%	0%	-158																							
A51990	2nd Submission - Review & Approval by MJV (w/ RSE Endorsement)	14	30-May-17	12-Jun-17	04-Nov-17	16-Nov-17	100%	0%	-157																							
A52000	Glass Wall with Ceramic & Precast Concrete Mullion - Submission to BD	0		12-Jun-17		16-Nov-17	100%	0%	-131																							
A52010	Glass Wall with Ceramic & Precast Concrete Mullion - BD Approval	60	13-Jun-17	11-Aug-17	17-Nov-17	14-Jan-18	100%	0%	-156																							
A52020	Glass Wall with Ceramic & Precast Concrete Mullion - Conccent	30	12-Aug-17	10-Sep-17	15-Jan-18	13-Feb-18	100%	0%	-156																							
SHOPDRAWING SUBMISSIONS - FACADE DOORS																																
Facade Doors Package #1 - Glazed door between Ceramic Concrete Mullion - Total No. of Doors = 53																																
A52120	1st Shopdrawing Submission	67	20-May-17	25-Jul-17	29-Oct-17*	03-Jan-18	100%	0%	-162																							
A52130	1st Shopdrawing Submission - Review & Approval	21	26-Jul-17	15-Aug-17	04-Jan-18	24-Jan-18	100%	0%	-162																							
A52140	2nd Shopdrawing Submission	14	16-Aug-17	29-Aug-17	25-Jan-18	07-Feb-18	100%	0%	-162																							
Facade Doors Package #2 - Sliding door at L3 Storefront - Total No. of Doors = 4																																
A52170	1st Shopdrawing Submission	67	20-May-17	25-Jul-17	29-Oct-17*	03-Jan-18	100%	0%	-162																							
A52180	1st Shopdrawing Submission - Review & Approval	21	26-Jul-17	15-Aug-17	04-Jan-18	24-Jan-18	100%	0%	-162																							
A52190	2nd Shopdrawing Submission	14	16-Aug-17	29-Aug-17	25-Jan-18	07-Feb-18	100%	0%	-162																							
Facade Doors Package #3 - Swing Door at L3 Cafe- Total No. of Doors = 1																																

◆ Glass Wall with Ceramic & Precast Concrete Mullion - Submission to BD.

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
A52210	1st Shopdrawing Submission	74	20-May-17	01-Aug-17	29-Oct-17*	10-Jan-18	100%	0%	-162																														
A52220	1st Shopdrawing Submission - Review & Approval	21	02-Aug-17	22-Aug-17	11-Jan-18	31-Jan-18	100%	0%	-162																														
Facade Doors Package #4 - Swing Door mounted in GW with T Mullion - Total No. of Doors = 29																																							
A52260	1st Shopdrawing Submission	74	20-May-17	01-Aug-17	29-Oct-17*	10-Jan-18	100%	0%	-162																														
A52270	1st Shopdrawing Submission - Review & Approval	21	02-Aug-17	22-Aug-17	11-Jan-18	31-Jan-18	100%	0%	-162																														
Facade Doors Package #5 - Large double door at B1 Transformer Room - Total No. of Doors = 1																																							
A52300	1st Shopdrawing Submission	81	20-May-17	08-Aug-17	29-Oct-17*	17-Jan-18	100%	0%	-162																														
A52310	1st Shopdrawing Submission - Review & Approval	21	09-Aug-17	29-Aug-17	18-Jan-18	07-Feb-18	100%	0%	-162																														
A52340	2nd Shopdrawing Submission - Review & Approval	21	13-Sep-17	03-Oct-17	22-Feb-18	14-Mar-18	100%	0%	-162																														
Facade Doors Package #6 - B1 Exit Door - Total No. of Doors = 7 (7 x Manual)																																							
A52350	1st Shopdrawing Submission	81	20-May-17	08-Aug-17	29-Oct-17*	17-Jan-18	100%	0%	-162																														
A52360	1st Shopdrawing Submission - Review & Approval	21	09-Aug-17	29-Aug-17	18-Jan-18	07-Feb-18	100%	0%	-162																														
A52380	2nd Shopdrawing Submission - Review & Approval	21	13-Sep-17	03-Oct-17	22-Feb-18	14-Mar-18	100%	0%	-162																														
Facade Doors Package #7 - Garden Gallery Door - Total No. of Doors = 2 (2 x Manual)																																							
A52390	1st Shopdrawing Submission	88	20-May-17	15-Aug-17	29-Oct-17*	24-Jan-18	100%	0%	-162																														
A52400	1st Shopdrawing Submission - Review & Approval	21	16-Aug-17	05-Sep-17	25-Jan-18	14-Feb-18	100%	0%	-162																														
A52430	2nd Shopdrawing Submission - Review & Approval	21	20-Sep-17	10-Oct-17	01-Mar-18	21-Mar-18	100%	0%	-162																														
Facade Doors Package #8 - Doors located in Metal Cladding - Total No. of Doors = 20 (20 x Manual)																																							
A52440	1st Shopdrawing Submission	88	20-May-17	15-Aug-17	29-Oct-17*	24-Jan-18	100%	0%	-162																														
A52450	1st Shopdrawing Submission - Review & Approval	21	16-Aug-17	05-Sep-17	25-Jan-18	14-Feb-18	100%	0%	-162																														
A52470	2nd Shopdrawing Submission - Review & Approval	21	20-Sep-17	10-Oct-17	01-Mar-18	21-Mar-18	100%	0%	-162																														
Facade Doors Package #9 - GF Lobby Access Door in Ceramic Tube - Total No. of Doors = 8																																							
A52480	1st Shopdrawing Submission	88	20-May-17	15-Aug-17	29-Oct-17*	24-Jan-18	100%	0%	-162																														
A52490	1st Shopdrawing Submission - Review & Approval	21	16-Aug-17	05-Sep-17	25-Jan-18	14-Feb-18	100%	0%	-162																														
A52520	2nd Shopdrawing Submission - Review & Approval	21	20-Sep-17	10-Oct-17	01-Mar-18	21-Mar-18	100%	0%	-162																														
Facade Doors Package #10 - B1 Carriageway Access Panel & Doors - Total No. of Doors = 24																																							
A52530	1st Shopdrawing Submission	95	20-May-17	22-Aug-17	29-Oct-17*	11-Jan-18	100%	0%	-142																														
A52540	1st Shopdrawing Submission - Review & Approval	21	23-Aug-17	12-Sep-17	12-Jan-18	01-Feb-18	100%	0%	-142																														
A52560	2nd Shopdrawing Submission - Review & Approval	21	27-Sep-17	17-Oct-17	16-Feb-18	08-Mar-18	100%	0%	-142																														
Facade Doors Package #12 - B1 Smoke Vent Panel - Total No. of Doors = 1																																							
A52580	1st Shopdrawing Submission	96	20-May-17	23-Aug-17	29-Oct-17*	01-Feb-18	100%	0%	-162																														
A52610	2nd Shopdrawing Submission - Review & Approval	21	28-Sep-17	18-Oct-17	01-Mar-18	21-Mar-18	100%	0%	-154																														
PERFORMANCE TEST - SHOPDRAWING SUBMISSION, FABRICATION, INSTALLATION & TEST																																							
PMU SHOPDRAWING SUBMISSION & TEST - Tower Facade Precast Panel																																							
A54630	Perf MU - Precast Concrete Facade Installation	19	22-Jul-17	12-Aug-17	22-Aug-17 A	28-Oct-17 A	100%	100%	-63																														
A54640	Perf MU - Commence of Tower Precast Concrete Facade	0	14-Aug-17		30-Oct-17		100%	0%	-63																														
A54645	Perf MU - Testing & Report Submission of Tower Precast Concrete Faç	12	14-Aug-17	26-Aug-17	30-Oct-17	10-Nov-17	100%	0%	-62																														
PMU SHOPDRAWING SUBMISSION & TEST - Podium Facade Precast Panel																																							
A54660	Perf MU - Podium Facade Precast Concrete + Curtain Wall Installation	18	06-Sep-17	26-Sep-17	30-Oct-17	17-Nov-17	100%	0%	-42																														
A54670	Perf MU - Commence Testing of Podium Facade PC+CW	0	27-Sep-17		18-Nov-17		100%	0%	-42																														
A54680	Perf MU - Testing & Report Submission of Podium Facade PC+CW	12	27-Sep-17	12-Oct-17	18-Nov-17	01-Dec-17	100%	0%	-42																														
A55190	Perf MU - 2nd Podium Facade Test Proposal Review & Approval	21	03-Jun-17	23-Jun-17	20-Jun-17 A	02-Nov-17	100%	75%	-132																														
PMU SHOPDRAWING SUBMISSION & TEST - Kinked Glass with T Mullion																																							
A52720	Perf MU - 1st Shopdrawing Submission - Review & Approval	46	05-Apr-17	20-May-17	05-Apr-17 A	29-Oct-17	100%	97%	-162																														
A52730	Perf MU - 2nd Shopdrawing Submission	14	21-May-17	03-Jun-17	30-Oct-17	12-Nov-17	100%	0%	-162																														
A52740	Perf MU - 2nd Shopdrawing Submission - Review & Approval	21	04-Jun-17	24-Jun-17	13-Nov-17	03-Dec-17	100%	0%	-162																														

Perf MU - Commence of Tower Precast Concrete Facade, 30-Oct-17

Perf MU - Commence Testing of Podium Facade PC+CW, 18-Nov-17

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February					
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05						
A54700	Perf MU - GW with T Mullion + Reflective Glass Ordering & Production	150	05-Apr-17	01-Sep-17	05-Apr-17 A	23-Dec-17	100%	55%	-112																										
A54710	Perf MU - GW with T Mullion + Reflective Glass Installation	18	02-Sep-17	22-Sep-17	23-Dec-17	17-Jan-18	100%	0%	-93																										
A54730	Perf MU - Testing & Report Submission of GW with T Mullion + Reflec	12	23-Sep-17	09-Oct-17	10-Feb-18	27-Feb-18	100%	0%	-114																										
A55200	Perf MU - 1st GW with T Mullion Test Proposal Submission	12	25-Jun-17	06-Jul-17	04-Dec-17	15-Dec-17	100%	0%	-162																										
A55210	Perf MU - 1st GW with T Mullion Test Proposal Review & Approval	21	07-Jul-17	27-Jul-17	16-Dec-17	05-Jan-18	100%	0%	-162																										
A55220	Perf MU - 2nd GW with T Mullion Test Proposal Submission	14	28-Jul-17	10-Aug-17	06-Jan-18	19-Jan-18	100%	0%	-162																										
A55230	Perf MU - 2nd GW with T Mullion Test Proposal Review & Approval	21	11-Aug-17	31-Aug-17	20-Jan-18	09-Feb-18	100%	0%	-162																										
PMU SHOPDRAWING SUBMISSION & TEST - Glass Wall with Ceramic Mullions at GF																																			
A52770	Perf MU - 2nd Shopdrawing Submission	6	18-May-17	23-May-17	18-May-17 A	30-Oct-17	100%	70%	-160																										
A52780	Perf MU - 2nd Shopdrawing Submission - Review & Approval	21	24-May-17	13-Jun-17	31-Oct-17	20-Nov-17	100%	0%	-160																										
A54740	Perf MU - GW with Ceramic Mullion G/F Production & Fabrication	153	11-Apr-17	10-Sep-17	11-Apr-17 A	12-Feb-18	100%	17.69%	-155																										
A54750	Perf MU - GW with Ceramic Mullion G/F Installation	20	11-Sep-17	04-Oct-17	13-Feb-18	10-Mar-18	100%	0%	-127																										
A54760	Perf MU - Commence Testing of GW with Ceramic Mullion G/F	0	06-Oct-17		12-Mar-18		100%	0%	-127																										
A54770	Perf MU - Testing & Report Submission of GW with Ceramic Mullion G	12	06-Oct-17	19-Oct-17	12-Mar-18	24-Mar-18	100%	0%	-127																										
A55240	Perf MU - 1st GW with Ceramic Mullion Test Proposal Submission	12	14-Jun-17	25-Jun-17	21-Nov-17	02-Dec-17	100%	0%	-160																										
A55250	Perf MU - 1st GW with Ceramic Mullion Test Proposal Review & Appr	21	26-Jun-17	16-Jul-17	03-Dec-17	23-Dec-17	100%	0%	-160																										
A55260	Perf MU - 2nd GW with Ceramic Mullion Test Proposal Submission	14	17-Jul-17	30-Jul-17	24-Dec-17	06-Jan-18	100%	0%	-160																										
A55270	Perf MU - 2nd GW with Ceramic Mullion Test Proposal Review & Appx	21	31-Jul-17	20-Aug-17	07-Jan-18	27-Jan-18	100%	0%	-160																										
PMU SHOPDRAWING SUBMISSION & TEST - Vertical Glass Wall at Skylight Gallery																																			
A54820	Perf MU - Vertical Glass Wall Skylight Gallery Production & Fabrication	134	24-May-17	04-Oct-17	29-Oct-17	11-Mar-18	100%	0%	-158																										
A54830	Perf MU - Vertical Glass Wall Skylight Gallery Installation	36	06-Oct-17	17-Nov-17	12-Mar-18	26-Apr-18	52.78%	0%	-127																										
A54840	Perf MU - Commence Testing of Vertical Glass Wall Skylight Gallery	0	18-Nov-17		27-Apr-18		0%	0%	-127																										
A54850	Perf MU - Testing & Report Submission of Vertical Glass Wall Skylight	12	18-Nov-17	01-Dec-17	27-Apr-18	11-May-18	0%	0%	-127																										
A55300	Perf MU - 2nd Vertical GW Skylight Gallery Test Proposal Submission	14	20-May-17	02-Jun-17	29-Oct-17	11-Nov-17	100%	0%	-162																										
A55310	Perf MU - 2nd Vertical GW Skylight Gallery Test Proposal Review & Ap	21	03-Jun-17	23-Jun-17	12-Nov-17	02-Dec-17	100%	0%	-162																										
PMU SHOPDRAWING SUBMISSION & TEST - Plaza Skylight 3/F Terrace																																			
A54780	Perf MU - Plaza Skylight 3/F Terrace Production & Fabrication	104	05-Apr-17	17-Jul-17	05-Apr-17 A	26-Nov-17	100%	75%	-132																										
A54790	Perf MU - Plaza Skylight 3/F Terrace Installation	30	18-Jul-17	21-Aug-17	27-Nov-17	28-Dec-17	100%	0%	-106																										
A54800	Perf MU - Commence Testing of Plaza Skylight 3/F Terrace	0	22-Aug-17		29-Dec-17		100%	0%	-106																										
A54810	Perf MU - Testing & Report Submission of Plaza Skylight 3/F Terrace	12	22-Aug-17	04-Sep-17	29-Dec-17	12-Jan-18	100%	0%	-106																										
PMU SHOPDRAWING SUBMISSION & TEST - Acoustic Mock up																																			
A55100	Perf MU - Commence Testing of Acoustic Mock Up	0	29-Jun-17		03-Oct-17 A		100%	100%	-80																										
A55110	Perf MU - Testing & Report Submission of Acoustic Mock Up	12	29-Jun-17	13-Jul-17	03-Oct-17 A	14-Oct-17 A	100%	100%	-78																										
PRODUCTION MOCK UP & INSPECTION																																			
Prod MU - Tower Facade Precast Panel																																			
A55360	Tower Precast Concrete & Curtain Wall Prod MU	60	27-Aug-17	25-Oct-17	18-Sep-17 A	04-Dec-17	100%	80%	-40																										
A55370	Inspection (Prod MU) - Tower Precast Concrete & Curtain Wall	0	26-Oct-17		05-Dec-17		100%	0%	-40																										
Prod MU - Podium Facade Precast Panel																																			
A55380	Podium Precast Concrete & Curtain Wall Prod MU	60	13-Oct-17	11-Dec-17	02-Dec-17	30-Jan-18	26.67%	0%	-50																										
A55390	Inspection (Prod MU) - Podium Precast Concrete & Curtain Wall	0	12-Dec-17		31-Jan-18		0%	0%	-50																										
Prod MU - Kinked Glass with T Mullion																																			
A55400	GW with T Mullion (Kinked & Straight) Prod MU	60	10-Oct-17	08-Dec-17	28-Feb-18	28-Apr-18	31.67%	0%	-141																										
A55410	Inspection (Prod MU) - GW with T Mullion (Kinked & Straight)	0	09-Dec-17		29-Apr-18		0%	0%	-141																										
Prod MU - Glass Wall with Ceramic Mullions at GF																																			
A55420	GW with Ceramic Mullion Prod MU	60	20-Oct-17	18-Dec-17	25-Mar-18	18-May-18	15%	0%	-151																										
A55430	Inspection (Prod MU) - GW with Ceramic Mullion	0	19-Dec-17		19-May-18		0%	0%	-151																										

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29					
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05						
Prod MU - Vertical Glass Wall at Skylight Gallery																																			
A55440	Vertical GW with Skylight Gallery Prod MU	60	02-Dec-17	30-Jan-18	12-May-18	10-Jul-18	0%	0%	-161	A55440																									
Prod MU - Plaza Skylight 3/F Terrace																																			
A55460	Plaza Skylight Prod MU	60	05-Sep-17	03-Nov-17	13-Jan-18	13-Mar-18	90%	0%	-130																										
A55470	Inspection (Prod MU) - Plaza Skylight	0	04-Nov-17		14-Mar-18		0%	0%	-130																										
FABRICATION & DELIVERY OF M+ TOWER & PODIUM FACADE SYSTEM																																			
01A Tower Facade PC+CW (Bulk)																																			
A54880	Production & Fabrication - Precast Panel for Tower - Summary	301	19-Nov-16	15-Sep-17	19-Nov-16 A	27-Jan-18	100%	60%	-134																										
A54890	1st Delivery to Site - Precast Panel for Tower	0	05-Dec-17		28-Jan-18		0%	0%	-54	1st Deliv																									
Glass Production & Fabrication																																			
A54450	Coated Glass Production	179	19-Nov-16	30-Jun-17	19-Nov-16 A	29-Nov-17	100%	75%	-126																										
A54460	Fabrication of Glass Panel	225	03-Mar-17	02-Dec-17	03-Mar-17 A	29-Mar-18	86.67%	40%	-94																										
A54870	Coated Glass 1st Delivery to Factory	0	14-Jul-17		12-Dec-17		100%	0%	-126	Coated Glass 1st Delivery to Factory, 12-Dec-17																									
CW Glazed Panel Production & Fabrication																																			
A54860	Fabrication & Assemble of Curtain Wall Unit	203	18-Jul-17	21-Mar-18	12-Dec-17	21-Aug-18	42.36%	0%	-123																										
A54910	Aluminium Extrusion Production	201	20-May-17	18-Jan-18	19-Jun-17 A	23-Mar-18	66.67%	40%	-52																										
A54920	Application of PVF2 Coating	171	04-Jul-17	25-Jan-18	30-Oct-17	07-May-18	57.31%	0%	-79																										
Terracotta Production																																			
A54940	Terracotta Production - Tower (Bulk)	244	17-Mar-17	11-Jan-18	17-Mar-17 A	03-Apr-18	75%	42%	-64																										
A54950	Delivery to Precast Factory	212	25-May-17	05-Feb-18	22-Jun-17 A	27-Apr-18	61.32%	32%	-62																										
Precast Concrete Facade																																			
A54960	Precast Concrete Mould Making	215	31-May-17	13-Feb-18	16-Apr-17 A	10-Nov-17	58.6%	95%	78																										
A54970	Concreting of Precast Concrete	190	02-Aug-17	21-Mar-18	29-Dec-17	21-Aug-18	38.42%	0%	-123																										
A54980	Assemble of Curtain Wall to Precast Facade	191	15-Aug-17	09-Apr-18	12-Jan-18	04-Sep-18	32.46%	0%	-123																										
A54990	Inspection, Packing & Delivery to Site - Tower Facade	191	24-Aug-17	18-Apr-18	22-Jan-18	13-Sep-18	28.27%	0%	-123																										
A55000	Precast Panel 1st Delivery to Site - Tower	0	05-Dec-17		29-Jan-18		0%	0%	-44	Precast																									
01B Tower Lighting (Bulk)																																			
Procurement & Production (3F to Roof) & Shipment																																			
A55020	Production - Tower Lighting Bar	122	16-Apr-17	11-Sep-17	16-Apr-17 A	06-Feb-18	100%	62%	-121																										
CW Glazed Panel Production & Fabrication																																			
A10000	IQC Inspection	190	06-Jun-17	20-Jan-18	14-Nov-17	07-Jul-18	63.68%	0%	-133																										
A10010	OQC Inspection	190	15-Jun-17	30-Jan-18	23-Nov-17	17-Jul-18	59.47%	0%	-133																										
A55030	Delivery & Assembly	200	20-May-17	17-Jan-18	30-Oct-17	04-Jul-18	67%	0%	-133																										
02 Podium Facade PC + CW (Bulk)																																			
A54470	Production & Fabrication - Precast Panel for Podium	398	12-Nov-16	14-Dec-17	12-Nov-16 A	13-May-18	88.19%	25%	-150																										
A54480	1st Delivery to Site - Precast Panel for Podium	0	15-Dec-17		14-May-18		0%	0%	-117																										
Glass Production & Fabrication																																			
A10020	Ordering of Coated Glass	187	12-Nov-16	04-Jul-17	12-Nov-16 A	05-Dec-17	100%	70%	-129																										
A10030	Fabrication of Insulated Glass Panel	166	05-Jul-17	20-Jan-18	06-Dec-17	03-Jul-18	58.43%	0%	-129																										
CW Glazed Panel Production & Fabrication																																			
A10040	Die Making - Bulk Production	80	17-Feb-17	27-May-17	17-Feb-17 A	06-Nov-17	100%	85%	-134																										
A10050	Aluminium Extrusion Production	140	29-May-17	13-Nov-17	07-Nov-17	28-Apr-18	90.71%	0%	-133																										
A10060	Application of PVF2 Coating	157	12-Jun-17	15-Dec-17	20-Nov-17	02-Jun-18	73.89%	0%	-133																										
A10070	Fabrication & Assemble of Curtain Wall Unit	157	15-Jul-17	20-Jan-18	16-Dec-17	03-Jul-18	56.05%	0%	-129																										
Terracotta Production																																			
A10100	Terracotta Production - Tower (Bulk)	179	24-Apr-17	25-Nov-17	24-Apr-17 A	28-Apr-18	86.59%	11%	-122																										

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February						
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	12						
A10160	Delivery of Terracotta to Precast Factory from Italy (by ship)	131	08-Jul-17	11-Dec-17	22-Jun-17 A	15-Mar-18	71.76%	14%	-75																											
A10170	1st Lot Arrived (By Ship) Podium Bulk to Precast Concrete Factory in Ch	0	19-Aug-17		30-Oct-17		100%	0%	-58																											
Precast Concrete Facade																																				
A10110	Precast Concrete Mould Making	153	19-Jun-17	18-Dec-17	19-Jun-17 A	07-Nov-17	71.9%	95%	35																											
A10120	Concreting of Precast Concrete	119	29-Aug-17	20-Jan-18	02-Feb-18	03-Jul-18	42.02%	0%	-129																											
A10140	Inspection, Packing & Delivery to Site - Podium Facade	116	30-Sep-17	22-Feb-18	10-Mar-18	01-Aug-18	18.97%	0%	-129																											
A10150	Precast Panel 1st Delivery to Site - Podium	0	15-Dec-17		14-May-18		0%	0%	-117																											
03 GW with T Mullion (Kinked & Straight B1F to GF) (Bulk)																																				
A54490	Production & Fabrication - GW with T Mullion (Kinked & Straight B1F t	187	04-Aug-17	06-Feb-18	23-Dec-17	28-Jun-18	45.99%	0%	-141																											
Glass Production & Fabrication																																				
A10190	Coated Glass Production	94	04-Aug-17	24-Nov-17	23-Dec-17	23-Apr-18	75.53%	0%	-118																											
A10200	Fabrication of Insulated Glass Panel	75	25-Nov-17	27-Feb-18	24-Apr-18	24-Jul-18	0%	0%	-118																											
Alum Section Production & Fabrication																																				
A10210	Die Making - Bulk Production	38	25-Sep-17	10-Nov-17	20-Feb-18	09-Apr-18	71.05%	0%	-118																											
A10220	Aluminium Extrusion Production	38	11-Nov-17	27-Dec-17	10-Apr-18	25-May-18	0%	0%	-118																											
A10230	Application of PVF2 Coating	6	28-Dec-17	04-Jan-18	26-May-18	01-Jun-18	0%	0%	-118																											
A10240	Fabrication & Assemble of Curtain Wall Unit	39	05-Jan-18	22-Feb-18	02-Jun-18	19-Jul-18	0%	0%	-118																											
T Painted GMS Mullion, Transom & Brackets																																				
A10250	GMS Fabrication	122	03-Oct-17	02-Mar-18	27-Feb-18	27-Jul-18	17.21%	0%	-118																											
A10260	Painting	99	30-Dec-17	04-May-18	29-May-18	22-Sep-18	0%	0%	-118																											
04A GW with PC Mullion at 2F Courtyard (Bulk)																																				
A54520	Production & Fabrication - GW with PC Mullion at 2F Courtyard	200	11-Oct-17	28-Apr-18	11-Mar-18	26-Sep-18	9%	0%	-151																											
Glass Production & Fabrication																																				
A10310	Coated Glass Production	79	27-Dec-17	06-Apr-18	25-May-18	27-Aug-18	0%	0%	-118																											
Alum Frame Production & Fabrication																																				
A10340	Die Making - Bulk Production	60	11-Oct-17	20-Dec-17	12-Mar-18	26-May-18	25%	0%	-123																											
A10350	Aluminium Extrusion Production	45	16-Nov-17	10-Jan-18	20-Apr-18	13-Jun-18	0%	0%	-123																											
A10360	Application of PVF2 Coating	12	11-Jan-18	24-Jan-18	14-Jun-18	28-Jun-18	0%	0%	-123																											
A10370	Fabrication of Aluminium Frame to Site	59	25-Jan-18	11-Apr-18	29-Jun-18	06-Sep-18	0%	0%	-123																											
Precast Concrete Facade																																				
A10380	Concreting of Precast Concrete	50	10-Jan-18	12-Mar-18	07-Jun-18	06-Aug-18	0%	0%	-118																											
04B GW with Ceramic Mullion (GF & 1F) (Bulk)																																				
A54540	Production & Fabrication - GW with Ceramic Mullion (GF & 1F)	216	20-May-17	21-Dec-17	29-Oct-17*	16-May-18	75%	0%	-146																											
A54550	1st Delivery to Site - GW with Ceramic Mullion - West	0	22-Dec-17		19-May-18		0%	0%	-148																											
A54560	1st Delivery to Site - GW with Ceramic Mullion - North	0	15-Jan-18		12-Jun-18		0%	0%	-148																											
Glass Production & Fabrication																																				
A10460	Coated Glass Production	75	20-May-17	17-Aug-17	30-Oct-17	27-Jan-18	100%	0%	-134																											
A10470	Fabrication of Insulated Glass Panel	123	18-Aug-17	15-Jan-18	29-Jan-18	03-Jul-18	47.97%	0%	-134																											
Alum Frame Production & Fabrication																																				
A10480	Die Making - Bulk Production	38	05-Jul-17	17-Aug-17	31-Jul-17 A	07-Dec-17	100%	10%	-93																											
A10490	Aluminium Extrusion Production	38	18-Aug-17	30-Sep-17	08-Dec-17	24-Jan-18	100%	0%	-93																											
A10500	Application of PVF2 Coating	6	03-Oct-17	10-Oct-17	25-Jan-18	31-Jan-18	100%	0%	-93																											
A10510	Fabrication of Aluminium Frame to Site	37	11-Oct-17	23-Nov-17	01-Feb-18	19-Mar-18	40.54%	0%	-93																											
Terracotta Production																																				
A10550	Die Making - Bulk Production	50	12-Jun-17	09-Aug-17	08-Jul-17 A	19-Dec-17	100%	11%	-110																											
A10560	Terracotta Production (Bulk)	75	10-Aug-17	08-Nov-17	20-Dec-17	23-Mar-18	88%	0%	-110																											

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
A10570	Application of PVF2 Coating	75	08-Sep-17	07-Dec-17	22-Jan-18	26-Apr-18	54.67%	0%	-110																														
Precast Concrete Facade Die Making																																							
A10580	Precast Concrete Mould Making	27	07-Sep-17	10-Oct-17	21-Feb-18	23-Mar-18	100%	0%	-134																														
A10590	Aluminium Extrusion Production	97	11-Oct-17	05-Feb-18	24-Mar-18	24-Jul-18	15.46%	0%	-134																														
A10600	Curing of 1st Lot	5	17-Oct-17	21-Oct-17	24-Mar-18	29-Mar-18	100%	0%	-129																														
Precast Concrete Facade																																							
A10520	Assemble of Alum Section to Precast Mullion	97	24-Oct-17	21-Feb-18	04-Apr-18	31-Jul-18	4.12%	0%	-129																														
A10530	Delivery of Precast Concrete to Site	126	08-Nov-17	14-Apr-18	19-Apr-18	17-Sep-18	0%	0%	-129																														
A10540	1st Delivery to Site - West	0	22-Dec-17		19-May-18		0%	0%	-148																														
A10620	1st Delivery to Site - North	0	15-Jan-18		12-Jun-18		0%	0%	-148																														
05 Ceramic Concrete Tubes & Perforated Cladding (Bulk)																																							
A54600	Production & Fabrication - Ceramic Concrete Tubes & Perforated Cladd	229	20-May-17	03-Jan-18	29-Oct-17	31-May-18	70.74%	0%	-148																														
A54610	1st Delivery to Site - Ceramic Concrete Tubes & Perforated Cladding	0	05-Jan-18		17-Jun-18		0%	0%	-163																														
Alum Frame Production & Fabrication																																							
A10640	Die Making - Bulk Production	72	05-Jul-17	26-Sep-17	11-Dec-17	10-Mar-18	100%	0%	-133																														
A10650	Aluminium Extrusion Production	50	27-Sep-17	27-Nov-17	12-Mar-18	14-May-18	50%	0%	-133																														
A10660	Application of PVF2 Coating	5	28-Nov-17	02-Dec-17	15-May-18	19-May-18	0%	0%	-133																														
A10670	Fabrication of Aluminium Frame to Site	51	04-Dec-17	03-Feb-18	21-May-18	12-Jul-18	0%	0%	-125																														
Terracotta Production																																							
A10680	Die Making - Bulk Production	77	20-May-17	19-Aug-17	30-Oct-17	30-Jan-18	100%	0%	-134																														
A10690	Terracotta Production (Bulk)	75	21-Aug-17	18-Nov-17	31-Jan-18	07-May-18	76%	0%	-134																														
A10700	Application of PVF2 Coating	62	03-Oct-17	15-Dec-17	17-Mar-18	04-Jun-18	33.87%	0%	-134																														
Precast Concrete Facade Die Making																																							
A10710	Precast Concrete Mould Making	25	09-Oct-17	07-Nov-17	19-Mar-18	20-Apr-18	68%	0%	-131																														
A10720	Concreting of Precast Concrete	99	08-Nov-17	09-Mar-18	21-Apr-18	18-Aug-18	0%	0%	-131																														
A10730	Curing of 1st Lot	6	15-Nov-17	21-Nov-17	28-Apr-18	05-May-18	0%	0%	-131																														
A10740	Assemble of Brackets to Ceramic Concrete Tubes	109	11-Dec-17	27-Apr-18	26-May-18	04-Oct-18	0%	0%	-131																														
A10750	1st Delivery to Site - Ceramic Concrete Tubes	0	05-Jan-18		17-Jun-18*		0%	0%	-163																														
06A Plaza Skylight 3F (Bulk)																																							
A19130	Production & Fabrication - Plaza Skylight 3F	180	04-Nov-17	02-May-18	14-Mar-18	09-Sep-18	0%	0%	-130																														
Glass Production & Fabrication																																							
A18750	Coated Glass Production	72	04-Nov-17	30-Jan-18	14-Mar-18	12-Jun-18	0%	0%	-105																														
Alum Frame Production & Fabrication																																							
A18770	Die Making - Bulk Production	65	04-Nov-17	22-Jan-18	14-Mar-18	04-Jun-18	0%	0%	-105																														
A18780	Aluminium Extrusion Production	45	23-Jan-18	19-Mar-18	05-Jun-18	28-Jul-18	0%	0%	-105																														
07 L3 Storefront (Bulk)																																							
A18870	Production & Fabrication - L3 Storefront	213	20-May-17	18-Dec-17	30-Oct-17	30-May-18	76.06%	0%	-163																														
A18880	1st Delivery to Site - L3 Storefront	0	19-Dec-17		31-May-18		0%	0%	-163																														
Glass Production & Fabrication																																							
A19170	Coated Glass Production	97	20-May-17	12-Sep-17	30-Oct-17*	26-Feb-18	100%	0%	-134																														
A19180	Fabrication of Insulated Glass Panel	74	13-Sep-17	11-Dec-17	27-Feb-18	30-May-18	50%	0%	-134																														
Alum Frame Production & Fabrication																																							
A18890	Die Making - Bulk Production	50	01-Apr-17	06-Jun-17	01-Apr-17 A	09-Nov-17	100%	85%	-130																														
A18900	Aluminium Extrusion Production	24	07-Jun-17	05-Jul-17	10-Nov-17	07-Dec-17	100%	0%	-130																														
A18910	Application of PVF2 Coating	12	06-Jul-17	19-Jul-17	08-Dec-17	21-Dec-17	100%	0%	-130																														
A18920	Fabrication of Frame Members	49	20-Jul-17	14-Sep-17	22-Dec-17	23-Feb-18	100%	0%	-130																														

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29					
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05						
08 Garden Gallery Ceramic Cladding 3F (Bulk)																																			
A19190	Production & Fabrication - Garden Gallery Ceramic Cladding 3F	108	05-Jul-17	20-Oct-17	01-Nov-17	16-Feb-18	100%	0%	-119																										
A19200	1st Delivery to Site - Garden Gallery Ceramic Cladding 3F	0	21-Oct-17		17-Feb-18		100%	0%	-119																										
Brackets Production & Fabrication (SS)																																			
A18930	Production & Fabrication	35	20-May-17	30-Jun-17	30-Oct-17*	08-Dec-17	100%	0%	-134																										
A18940	Delivery of SS Bracket to Site	6	03-Jul-17	08-Jul-17	09-Dec-17	15-Dec-17	100%	0%	-134																										
Terracotta Production & Fabrication																																			
A18950	Terracotta Production	45	20-May-17	13-Jul-17	30-Oct-17	20-Dec-17	100%	0%	-134																										
A18960	Delivery to assemble factory	4	14-Jul-17	18-Jul-17	21-Dec-17	27-Dec-17	100%	0%	-134																										
A18970	Assemble of bracket to Ceramic Cladding	36	19-Jul-17	29-Aug-17	28-Dec-17	08-Feb-18	100%	0%	-134																										
09 North Perimeter Louvre Cladding (Bulk)																																			
A19210	Production & Fabrication - North Perimeter Louvre Cladding	294	20-May-17	09-Mar-18	30-Oct-17	19-Aug-18	55.1%	0%	-163																										
Cladding & Louvre Production & Fabrication																																			
A18990	Die Making - Bulk Production	59	20-May-17	29-Jul-17	30-Oct-17*	09-Jan-18	100%	0%	-134																										
A19000	Aluminium Extrusion Production	45	31-Jul-17	20-Sep-17	10-Jan-18	06-Mar-18	100%	0%	-134																										
A19010	PVF2 Paint Ordering	12	21-Sep-17	06-Oct-17	07-Mar-18	20-Mar-18	100%	0%	-134																										
A19020	Application of PVF2 Coating	12	07-Oct-17	20-Oct-17	21-Mar-18	07-Apr-18	100%	0%	-134																										
A19030	Metal Frame Fabrication of Cladding Louvre	90	21-Oct-17	07-Feb-18	09-Apr-18	26-Jul-18	6.67%	0%	-134																										
A19040	Fabrication and Assemble of Louvre Units to Site	60	13-Dec-17	27-Feb-18	01-Jun-18	11-Aug-18	0%	0%	-134																										
10 Doors (Bulk)																																			
A19230	Production & Fabrication - Doors	180	19-Oct-17	16-Apr-18	22-Mar-18	17-Sep-18	5.56%	0%	-154																										
Doors Production & Fabrication																																			
A19060	Die Making	124	06-Mar-17	05-Aug-17	06-Mar-17 A	15-Jan-18	100%	27%	-133																										
A19070	Aluminium Extrusion Production	90	16-Jun-17	29-Sep-17	30-Oct-17	14-Feb-18	100%	0%	-112																										
A19080	Aluminium Frame Production	51	30-Sep-17	01-Dec-17	15-Feb-18	23-Apr-18	43.14%	0%	-112																										
A19090	PVF2 Paint Ordering	59	21-Sep-17	01-Dec-17	06-Feb-18	23-Apr-18	50.85%	0%	-112																										
A19100	Application of PVF2 Coating	6	02-Dec-17	08-Dec-17	24-Apr-18	30-Apr-18	0%	0%	-112																										
A19110	Fabrication and Assemble of Glazed Units	42	09-Dec-17	30-Jan-18	02-May-18	21-Jun-18	0%	0%	-112																										
M+ Podium Glass Wall & Skylight (By RedLand, Permasteelisa)																																			
(By Permasteelisa) Preliminary Works																																			
A41110	Handover of Working Areas @ Zone A & provide reference line	0		21-Aug-17		20-Dec-17	100%	0%	-101																										
A41120	Surveying for Embeds	60	22-Aug-17	02-Nov-17	21-Dec-17	07-Mar-18	93.33%	0%	-101																										
A41130	Submission of Embeds Survey Report	60	08-Sep-17	20-Nov-17	11-Jan-18	24-Mar-18	68.33%	0%	-101																										
B1/F to G/F Level																																			
(By Redland) Precast Concrete Panel																																			
A41140	Handover Zone A - B1/F Working Areas	0		21-Aug-17		20-Dec-17	100%	0%	-101																										
(By Permasteelisa) Glass Wall with T Mullion																																			
Zone A																																			
A41160	Handover Zone A - B1/F Working Areas	0		21-Aug-17		20-Dec-17	100%	0%	-101																										
Zone J & H																																			
A46130	Handover Zone J & H - B1/F Working Areas	0		16-Dec-17		23-Mar-18	0%	0%	-77																										
A46140	Install Additional Metal Cladding (FAC-ME-01, 02) @ GL12-14/ A	12	18-Dec-17	03-Jan-18	24-Mar-18	11-Apr-18	0%	0%	-77																										
G/F to 1/F Level																																			
(By Redland) Precast Concrete Panel																																			
A41190	Handover Zone A - G/F Working Areas	0		21-Aug-17		20-Dec-17	100%	0%	-101																										
A41200	G/F - Install PC Tubes with MEP Louvers (FAC-PC-01) @ GL3-7/ A	30	22-Dec-17	29-Jan-18	19-May-18	25-Jun-18	0%	0%	-116																										

◆ Handover of Working Areas @ Zone A & prov

◆ Handover Zone/A - B1/F Working Areas,

◆ Handover Zone/A - B1/F Working Areas,

◆ Handover Zone/A - G/F Working Areas,

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February	
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	12	19
(By Permasteelisa) Glass Window with Ceramic/Precast Concrete/AL Panel																															
Zone A																															
A41240	Install Ceramic Tube @ GL 3/D-E (FAC-CE-02a)	12	22-Dec-17	08-Jan-18	19-May-18	02-Jun-18	0%	0%	-116																						
A41260	Handover Zone A - G/F Working Area	0		21-Aug-17		20-Dec-17	100%	0%	-101																						
A46180	Install Glass Wall with Ceramic Mullion @ GL 3-4/E-G (FAC-CW-02, 03)	20	09-Jan-18	31-Jan-18	04-Jun-18	27-Jun-18	0%	0%	-116																						
Zone H																															
A46310	Handover Zone H - G/F Working Area	0		09-Nov-17		14-Feb-18	0%	0%	-80																						
Zone J																															
A46430	Handover Zone J - G/F Working Area	0		20-Jan-18		26-Apr-18	0%	0%	-75																						
1/F to 2/F Level																															
(By Permasteelisa) Glass Wall with Ceramic/Ceramic Mullion/Precast Concrete																															
Zone A																															
A41270	Handover Zone A - 1/F Working Areas	0		21-Aug-17		20-Dec-17	100%	0%	-101																						
A46690	Install Ceramic Tube @ GL 3/D-E (FAC-CE-02a)	12	22-Dec-17	08-Jan-18	19-May-18	02-Jun-18	0%	0%	-116																						
A46700	Install Glass Wall with Ceramic Mullion @ GL 3-4/E-G (FAC-CW-02, 03)	20	09-Jan-18	31-Jan-18	04-Jun-18	27-Jun-18	0%	0%	-116																						
Zone H																															
A46620	Handover Zone H - 1/F Working Area	0		09-Nov-17		14-Feb-18	0%	0%	-80																						
Zone J																															
A46640	Handover Zone J - 1/F Working Area	0		20-Jan-18		26-Apr-18	0%	0%	-75																						
3/F Roof Level																															
(By Permasteelisa) Skylight/Ceramic Cladding/Storefront																															
Zone Q, B & D																															
A47510	Handover Zone Q - 3/F Working Area	0		11-Dec-17		01-Mar-18	0%	0%	-63																						
A47530	Handover Zone B - 3/F Working Area	0		18-Dec-17		08-Mar-18	0%	0%	-63																						
Zone M, F & N																															
A47370	Install L3 Storefront @ GL 7-8/B-E (FAC-CW-08a,08b)	25	19-Dec-17	19-Jan-18	31-May-18	29-Jun-18	0%	0%	-128																						
A47590	Handover Zone M - 3/F Working Area	0		01-Nov-17		24-Nov-17	0%	0%	-20																						
A47600	Handover Zone N - 3/F Working Area	0		14-Aug-17		09-Nov-17	100%	0%	-72																						
A47610	Handover Zone F - 3/F Working Area	0		23-Sep-17		08-Dec-17	100%	0%	-62																						
M+ Podium External Envelope (By Permasteelisa)																															
Zone A																															
Podium Facade Panel (1M/F External)																															
A47010	Handover Zone A - 1M/F Working Area	0		19-Sep-17		22-Jan-18	100%	0%	-101																						
A47635	Bracket Installation & Embed Remedial 1M/F @ GL 1/A-H	9	20-Sep-17	29-Sep-17	23-Jan-18	01-Feb-18	100%	0%	-101																						
A47640	Install Podium Facade Panel Zone A - 1M/F @ GL 1/A-H (52 nos.)	8	15-Dec-17	23-Dec-17	14-May-18	23-May-18	0%	0%	-117																						
A47660	Install Podium Facade Panel Zone A - 1M/F @ GL 1-8/A (37 nos.)	6	06-Jan-18	12-Jan-18	02-Jun-18	08-Jun-18	0%	0%	-117																						
Podium Facade Panel (2/F External)																															
A47160	Handover Zone A - 2/F Working Area	0		19-Sep-17		22-Jan-18	100%	0%	-101																						
A47645	Bracket Installation & Embed Remedial 2/F @ GL 1-8/A	9	30-Sep-17	12-Oct-17	02-Feb-18	12-Feb-18	100%	0%	-101																						
A47650	Install Podium Facade Panel 2/F @ GL 1/A-H (52 nos.)	8	27-Dec-17	05-Jan-18	24-May-18	01-Jun-18	0%	0%	-117																						
A47670	Install Podium Facade Panel 2/F @ GL 1-8/A (37 nos.)	6	13-Jan-18	19-Jan-18	09-Jun-18	15-Jun-18	0%	0%	-117																						
Zone M																															
Podium Facade Panel (1M/F External)																															
A22380	Handover Zone M - 1M/F Working Area	0		30-Nov-17		23-Dec-17	0%	0%	-20																						
A22390	Bracket Installation & Embed Remedial 1M/F @ GL 7-8/A	4	01-Dec-17	05-Dec-17	13-Feb-18	20-Feb-18	0%	0%	-60																						
A22400	Install Podium Facade Panel Zone M - 1M/F @ GL 7-8/A (7 nos.)	1	13-Jan-18	13-Jan-18	09-Jun-18	09-Jun-18	0%	0%	-117																						

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February					
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05						
Podium Facade Panel (2/F External)																																			
A22440	Handover Zone M - 2/F Working Area	0		30-Nov-17		23-Dec-17	0%	0%	-20	◆ Handover Zone M - 2/F Working Area,																									
A22445	Bracket Installation & Embed Remedial 2/F @ GL 7-8/A	4	06-Dec-17	09-Dec-17	21-Feb-18	24-Feb-18	0%	0%	-60																										
A22450	Install Podium Facade Panel Zone M - 2/F @ GL 7-8/A (7 nos.)	1	20-Jan-18	20-Jan-18	16-Jun-18	16-Jun-18	0%	0%	-117																										
Zone E																																			
Podium Facade Panel (1M/F External)																																			
A47030	Handover Zone E - 1M/F Working Area	0		16-Aug-17		30-Oct-17	100%	0%	-61	◆ Handover Zone E - 1M/F Working Area,																									
A47675	Bracket Installation & Embed Remedial 1M/F @ GL 8-11/A	9	11-Dec-17	20-Dec-17	26-Feb-18	07-Mar-18	0%	0%	-60																										
A47680	Install Podium Facade Panel Zone E - 1M/F @ GL 8-11/A (29 nos.)	5	15-Jan-18	19-Jan-18	11-Jun-18	15-Jun-18	0%	0%	-117																										
Podium Facade Panel (2/F External)																																			
A47180	Handover Zone E - 2/F Working Area	0		16-Aug-17		30-Oct-17	100%	0%	-61	◆ Handover Zone E - 2/F Working Area,																									
A47685	Bracket Installation & Embed Remedial 2/F @ GL 8-11/A	9	21-Dec-17	03-Jan-18	08-Mar-18	17-Mar-18	0%	0%	-60																										
A47690	Install Podium Facade Panel 2/F Zone E @ GL 8-11/A (29 nos.)	5	22-Jan-18	26-Jan-18	19-Jun-18	23-Jun-18	0%	0%	-117																										
Zone H																																			
Podium Facade Panel (1M/F External)																																			
A47020	Handover Zone H - 1M/F Working Area	0		08-Dec-17		19-Mar-18	0%	0%	-80																										
A47695	Bracket Installation & Embed Remedial 1M/F @ GL 14/H-M	7	09-Dec-17	16-Dec-17	20-Mar-18	27-Mar-18	0%	0%	-80																										
A47697	Bracket Installation & Embed Remedial 1M/F @ GL 11-14/M	7	28-Dec-17	05-Jan-18	10-Apr-18	17-Apr-18	0%	0%	-80																										
A47700	Install Podium Facade Panel 1M/F Zone H @ GL 14/H-M (30 nos.)	5	27-Jan-18	01-Feb-18	25-Jun-18	29-Jun-18	0%	0%	-117																										
Podium Facade Panel (2/F External)																																			
A47170	Handover Zone H - 2/F Working Area	0		09-Nov-17		14-Feb-18	0%	0%	-80																										
A47175	Bracket Installation & Embed Remedial 2/F @ GL 14/H-M	7	18-Dec-17	27-Dec-17	28-Mar-18	09-Apr-18	0%	0%	-80																										
A47177	Bracket Installation & Embed Remedial 2/F @ GL 11-14/M	7	06-Jan-18	13-Jan-18	18-Apr-18	25-Apr-18	0%	0%	-80																										
Zone G & J																																			
Podium Facade Panel (1M/F External)																																			
A47050	Handover Zone J - 1M/F Working Area	0		20-Jan-18		26-Apr-18	0%	0%	-75																										
Podium Facade Panel (2/F External)																																			
A47200	Handover Zone J - 2/F Working Area	0		20-Jan-18		26-Apr-18	0%	0%	-75																										
Zone N																																			
Podium Facade Panel (1M/F External)																																			
A22410	Handover Zone N - 1M/F Working Area	0		13-Sep-17		09-Dec-17	100%	0%	-72	◆ Handover Zone N - 1M/F Working Area,																									
A22420	Bracket Installation & Embed Remedial 1M/F @ GL 7-8/M	4	14-Sep-17	18-Sep-17	11-Dec-17	14-Dec-17	100%	0%	-72																										
Podium Facade Panel (2/F External)																																			
A22460	Handover Zone N - 2/F Working Area	0		13-Sep-17		09-Dec-17	100%	0%	-72	◆ Handover Zone N - 2/F Working Area,																									
A22465	Bracket Installation & Embed Remedial 2/F @ GL 7-8/M	4	19-Sep-17	22-Sep-17	15-Dec-17	19-Dec-17	100%	0%	-72																										
M+ Tower External Envelope (By Permasteelisa)																																			
Tower Facade Advance Works																																			
Provision of Monorails, Catch fan & Working Platform																																			
A14830	Monorails - 1st Submission, Review and Approval by MJV	12	05-Jun-17	17-Jun-17	08-Sep-17 A	14-Oct-17 A	100%	100%	-99																										
A14840	Monorails - 2nd Submission, Review and Approval by MJV	12	19-Jun-17	03-Jul-17	30-Oct-17	11-Nov-17	100%	0%	-110																										
Provision of Monorails @ Block A																																			
Monorail @ 8/F																																			
A14850	M+ Tower Block A 10/F Slab complete	0		03-Oct-17		08-Dec-17	100%	0%	-55	◆ M+ Tower Block A 10/F Slab complete,																									
A14870	Remove Scaffolding @ 8/F Block A	2	04-Oct-17	06-Oct-17	09-Dec-17	11-Dec-17	100%	0%	-55																										
A14880	Install monorails at 8/F slab @ Block A	12	07-Oct-17	20-Oct-17	12-Dec-17	27-Dec-17	100%	0%	-55																										
A14890	Inspection and ICE & RPE certification @ Block A	5	21-Oct-17	26-Oct-17	28-Dec-17	03-Jan-18	100%	0%	-55																										

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
A19290	1st Shopdrawing Submission	96	20-May-17	23-Aug-17	29-Oct-17	01-Feb-18	100%	0%	-162																														
A19320	2nd Shopdrawing Submission - Review & Approval	21	28-Sep-17	18-Oct-17	09-Mar-18	29-Mar-18	100%	0%	-162																														
SHOPDRAWING - CSF Roof Louvre Wall																																							
A19360	3rd Shopdrawing Submission & Comment	18	20-May-17	10-Jun-17	30-Oct-17	18-Nov-17	100%	0%	-134																														
BD SUBMISSION FACADE SYSTEM & EMBEDS																																							
CSF Glass Wall (All Area), incl. CSF Louvre - FAC-LV-03 (additional Scope)																																							
A19430	CSF Glass Wall (All Area) - Conccent	30	23-Aug-17	21-Sep-17	22-Sep-17 A	28-Oct-17 A	100%	100%	-37																														
PERFORMANCE TEST - SHOPDRAWING SUBMISSION, FABRICATION, INSTALLATION & TEST																																							
PERFORMANCE TEST & MOCK UP - CSF																																							
A19440	Shopdrawing Submission & Approval	73	25-Mar-17	26-Jun-17	25-Mar-17 A	25-Nov-17	100%	70%	-127																														
A19450	Ordering & Production of Material	129	31-Mar-17	06-Sep-17	31-Mar-17 A	14-Feb-18	100%	15%	-132																														
A19460	Installation Performance Mock up	42	07-Sep-17	27-Oct-17	15-Feb-18	12-Apr-18	100%	0%	-132																														
A19470	Handover CSF Roof Louvre Wall Working Areas, Provide Access, Storage	0		27-Oct-17		12-Apr-18	100%	0%	-132																														
PMU SHOPDRAWING SUBMISSION & TEST - CSF Building																																							
A19500	Perf MU - 2nd Shopdrawing Submission	14	20-May-17	02-Jun-17	29-Oct-17	03-Nov-17	100%	0%	-154																														
A19510	Perf MU - 2nd Shopdrawing Submission - Review & Approval	21	03-Jun-17	23-Jun-17	04-Nov-17	24-Nov-17	100%	0%	-154																														
A19520	Perf MU - CSF Facade Ordering & Production	100	20-May-17	27-Aug-17	29-Oct-17	16-Jan-18	100%	0%	-142																														
A19530	Perf MU - CSF Facade Installation	42	28-Aug-17	17-Oct-17	17-Jan-18	09-Mar-18	100%	0%	-116																														
A19540	Perf MU - Commence Testing of CSF Facade	0		17-Oct-17		09-Mar-18	100%	0%	-116																														
A19550	Perf MU - Testing & Report Submission of CSF Facade	12	18-Oct-17	01-Nov-17	10-Mar-18	23-Mar-18	75%	0%	-116																														
PRODUCTION MOCK UP & INSPECTION																																							
Prod MU - CSF Facade Panel																																							
A55480	CSF Facade Panel Prod MU	60	02-Nov-17	31-Dec-17	24-Mar-18	22-May-18	0%	0%	-142																														
A55490	Inspection (Prod MU) - CSF Facade Panel	0	01-Jan-18		23-May-18		0%	0%	-142																														
BIM MODEL SUBMISSION																																							
BIM MODEL SUBMISSION - CSF Glass Wall (All Area)																																							
A19760	2nd BIM Model Submission	14	29-May-17	11-Jun-17	29-Oct-17	11-Nov-17	100%	0%	-153																														
A19770	2nd BIM Model Submission - Review & Approval	21	12-Jun-17	02-Jul-17	12-Nov-17	02-Dec-17	100%	0%	-153																														
BIM MODEL SUBMISSION - CSF Louvre FAC-LV-03 (Additional Scope)																																							
A19800	2nd BIM Model Submission	14	29-May-17	11-Jun-17	29-Oct-17	11-Nov-17	100%	0%	-153																														
A19810	2nd BIM Model Submission - Review & Approval	21	12-Jun-17	02-Jul-17	12-Nov-17	02-Dec-17	100%	0%	-153																														
Fabrication & Delivery of CSF Facade System																																							
A19560	Glass Wall Production and Fabrication	221	03-Jun-17	27-Feb-18	04-Nov-17	04-Aug-18	55.66%	0%	-128																														
A19570	Glass Production and Fabrication	127	11-Jul-17	08-Dec-17	28-Nov-17	07-May-18	72.44%	0%	-117																														
A19580	Roof Louvre Wall Production & Fabrication	161	05-Aug-17	15-Feb-18	09-Dec-17	28-Jun-18	43.48%	0%	-104																														
Glass Production & Fabrication																																							
A19590	Ordering of Coated Glass	68	11-Jul-17	27-Sep-17	07-Jun-17 A	02-Jan-18	100%	22%	-77																														
A19600	Fabrication of Insulated Glass Panel	60	28-Sep-17	09-Dec-17	03-Jan-18	16-Mar-18	40%	0%	-77																														
Glass Wall Production & Fabrication																																							
A19610	Die Making	73	03-Mar-17	03-Jun-17	03-Mar-17 A	09-Nov-17	100%	80%	-132																														
A19620	Aluminium Extrusion Production	24	05-Jun-17	03-Jul-17	10-Nov-17	07-Dec-17	100%	0%	-132																														
A19630	PVF2 Paint Ordering	73	10-Apr-17	11-Jul-17	10-Apr-17 A	08-Dec-17	100%	30%	-126																														
A19640	Application of PVF2 Coating	18	12-Jul-17	01-Aug-17	09-Dec-17	02-Jan-18	100%	0%	-126																														
A19650	Steel Frame Fabrication - Roof Louvre	74	01-Sep-17	29-Nov-17	02-Feb-18	08-May-18	63.51%	0%	-126																														
A19660	Fabrication & Assemble of Glazed Units	18	11-Dec-17	03-Jan-18	09-May-18	30-May-18	0%	0%	-117																														
A19670	Delivery Glazed Panel to Site	3	04-Jan-18	06-Jan-18	31-May-18	02-Jun-18	0%	0%	-117																														

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February			
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05				
Roof Louvre Wall Production & Fabrication																																	
A19680	Steel Frame Fabrication - Roof Louvre	120	05-Aug-17	28-Dec-17	09-Dec-17	10-May-18	58.33%	0%	-105																								
A19690	Die Making	60	05-Aug-17	16-Oct-17	09-Dec-17	23-Feb-18	100%	0%	-105																								
A19700	Aluminium Extrusion Production	30	17-Oct-17	21-Nov-17	24-Feb-18	03-Apr-18	33.33%	0%	-105																								
A19710	PVF2 Paint Ordering	30	17-Oct-17	21-Nov-17	24-Feb-18	03-Apr-18	33.33%	0%	-105																								
A19720	Application of PVF2 Coating	12	22-Nov-17	05-Dec-17	04-Apr-18	16-Apr-18	0%	0%	-103																								
A19730	Fabrication & Assemble of Louvre Units	60	06-Dec-17	20-Feb-18	17-Apr-18	19-Jun-18	0%	0%	-95																								
CSF External Envelope																																	
CSF Structure Milestones																																	
A19820	CSF - Wall, Column & G/F to 1/F Slab Complete	0		05-Jun-17		28-Oct-17	100%	0%	-125	◆ CSF - Wall, Column & G/F to 1/F Slab Complete,																							
A19830	CSF - Wall, Column & 6/F to 7/F Slab Complete	0		12-Sep-17		18-Jan-18	100%	0%	-110	◆ CSF - Wall, Column																							
A19850	CSF - Wall, Column & R/F Slab Complete	0		10-Nov-17		16-Mar-18	0%	0%	-108																								
FACADE INSTALL ATION - by Permasteelisa																																	
Glazed Glass Curtain Wall - North Elevation 6/F to 8/F																																	
A19870	Surveying of Embeds (6/F to 8/F)	7	27-Sep-17	04-Oct-17	02-Feb-18	09-Feb-18	100%	0%	-110																								
A19880	Submission of Embeds survey report (6/F to 8/F)	7	05-Oct-17	12-Oct-17	10-Feb-18	17-Feb-18	100%	0%	-110																								
A19890	Preparation of Remedial Method (6/F to 8/F)	14	13-Oct-17	28-Oct-17	19-Feb-18	06-Mar-18	100%	0%	-110																								
A19900	Approval of Remedial Method (6/F to 8/F)	14	30-Oct-17	14-Nov-17	07-Mar-18	22-Mar-18	0%	0%	-110																								
A19910	Bracket Installation (6/F to 8/F)	24	15-Nov-17	12-Dec-17	23-Mar-18	19-Apr-18	0%	0%	-110																								
A19920	6/F to 7/F (GL E - B') - Install Glazed Glass Curtain Wall (FAC-CW-13)	14	04-Jan-18	19-Jan-18	31-May-18	15-Jun-18	0%	0%	-126																								
A19930	7/F to 8/F (GL E - B') - Install Glazed Glass Curtain Wall (FAC-CW-13)	14	20-Jan-18	05-Feb-18	16-Jun-18	02-Jul-18	0%	0%	-126																								
Glazed Glass Curtain Wall - South Elevation																																	
A19950	Handover of Working Area (G/F)	0		05-Jun-17		28-Oct-17	100%	0%	-125	◆ Handover of Working Area (G/F),																							
A19960	Surveying of Embeds (G/F to 1/F)	7	06-Jun-17	13-Jun-17	19-Jun-17 A	03-Nov-17	100%	15%	-123																								
A19970	Submission of Embeds survey report (G/F to 1/F)	7	14-Jun-17	21-Jun-17	19-Jun-17 A	06-Nov-17	100%	0%	-118																								
A19980	Preparation of Remedial Method (G/F to 1/F)	14	22-Jun-17	07-Jul-17	07-Nov-17	22-Nov-17	100%	0%	-118																								
A19990	Approval of Remedial Method (G/F to 1/F)	14	08-Jul-17	24-Jul-17	23-Nov-17	08-Dec-17	100%	0%	-118																								
A20000	Bracket Installation (G/F to 1/F)	14	25-Jul-17	09-Aug-17	09-Dec-17	25-Dec-17	100%	0%	-118																								
A20010	G/F to 1/F (GL C - F') - Install Glazed Glass Curtain Wall (FAC-CW-11)	14	04-Jan-18	19-Jan-18	31-May-18	15-Jun-18	0%	0%	-126																								
A20020	Handover of Working Area (6/F to R/F)	0		10-Nov-17		16-Mar-18	0%	0%	-108	◆																							
A20030	Surveying of Embeds (6/F to R/F)	14	11-Nov-17	27-Nov-17	17-Mar-18	02-Apr-18	0%	0%	-108																								
A20040	Submission of Embeds survey report (6/F to R/F)	7	28-Nov-17	05-Dec-17	03-Apr-18	10-Apr-18	0%	0%	-108																								
A20050	Preparation of Remedial Method (6/F to R/F)	14	06-Dec-17	21-Dec-17	11-Apr-18	26-Apr-18	0%	0%	-108																								
A20060	Approval of Remedial Method (6/F to R/F)	14	22-Dec-17	06-Jan-18	27-Apr-18	12-May-18	0%	0%	-108																								
A20070	Bracket Installation (6/F to R/F)	24	08-Jan-18	03-Feb-18	14-May-18	09-Jun-18	0%	0%	-108																								
MEP Vertical Louvre Screen Wall - South Elevation (East to West)																																	
A20140	Handover of Working Area (R/F, GL 4'-5' / B'-F')	0		27-Nov-17		30-Mar-18	0%	0%	-106	◆																							
A20150	Surveying of Embeds (R/F, GL 4'-5' / B'-F')	18	28-Nov-17	18-Dec-17	31-Mar-18	20-Apr-18	0%	0%	-106																								
A20160	Submission of Embeds survey report (R/F, GL 4'-5' / B'-F')	21	04-Dec-17	27-Dec-17	06-Apr-18	30-Apr-18	0%	0%	-106																								
A20170	Preparation of Remedial Method (R/F, GL 4'-5' / B'-F')	12	28-Dec-17	10-Jan-18	01-May-18	14-May-18	0%	0%	-106																								
A20180	Approval of Remedial Method (R/F, GL 4'-5' / B'-F')	12	11-Jan-18	24-Jan-18	15-May-18	28-May-18	0%	0%	-106																								
A20190	Bracket Installation (R/F, GL 4'-5' / B'-F')	18	25-Jan-18	14-Feb-18	29-May-18	18-Jun-18	0%	0%	-106																								
FACADE INSTALL ATION - by Redland																																	
PreCast Concrete Roof Cladding - South Elevation																																	
A20220	R/F (GL B - F') - Install Precast Concrete Roof Cladding (FAC-PC-04)	36	28-Nov-17	08-Jan-18	03-Apr-18	14-May-18	0%	0%	-108																								
PreCast Concrete Tubes - North Elevation																																	

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29							
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05								
A20240	2/F to 3/F (GLE'-B') - Install PreCast Concrete Tubes (FAC-PC-02a)	14	20-Jan-18	05-Feb-18	16-Jun-18	02-Jul-18	0%	0%	-126																												
RDE Super-Structure RC Works																																					
RDE Building																																					
RDE Structure @ Portion - U (G/F to 15M/F)																																					
Block A Grid Line G' to J' / 1' to 6'																																					
A50850	RDE - Walls, Columns & 2/F Slab - Zone B	30	17-Jun-17	22-Jul-17	09-Jun-17 A	27-Nov-17	100%	95%	-106																												
A50855	RDE - Walls, Columns & 2/F Slab - Zone A	30	23-Jun-17	28-Jul-17	09-Jun-17 A	28-Nov-17	100%	95%	-102																												
A50860	RDE - Walls, Columns & 3/F Slab - Zone B	24	24-Jul-17	19-Aug-17	28-Nov-17	22-Dec-17	100%	0%	-104																												
A50865	RDE - Walls, Columns & 3/F Slab - Zone A	24	29-Jul-17	25-Aug-17	29-Nov-17	19-Dec-17	100%	0%	-96																												
A50870	RDE - Walls, Columns & 4/F Slab - Zone B	16	21-Aug-17	07-Sep-17	23-Dec-17	11-Jan-18	100%	0%	-102																												
A50875	RDE - Walls, Columns & 4/F Slab - Zone A	16	26-Aug-17	13-Sep-17	20-Dec-17	09-Jan-18	100%	0%	-95																												
A50880	RDE - Walls, Columns & 5/F Slab - Zone B	14	08-Sep-17	23-Sep-17	12-Jan-18	27-Jan-18	100%	0%	-102																												
A50885	RDE - Walls, Columns & 5/F Slab - Zone A	14	14-Sep-17	29-Sep-17	10-Jan-18	25-Jan-18	100%	0%	-95																												
A50890	RDE - Walls, Columns & 6/F Slab - Zone B	12	25-Sep-17	10-Oct-17	29-Jan-18	10-Feb-18	100%	0%	-102																												
A50895	RDE - Walls, Columns & 6/F Slab - Zone A	12	30-Sep-17	16-Oct-17	26-Jan-18	08-Feb-18	100%	0%	-95																												
A50900	RDE - Walls, Columns & 7/F Slab - Zone B	12	11-Oct-17	24-Oct-17	12-Feb-18	28-Feb-18	100%	0%	-102																												
A50905	RDE - Walls, Columns & 7/F Slab - Zone A	12	17-Oct-17	31-Oct-17	09-Feb-18	26-Feb-18	83.33%	0%	-95																												
A50910	RDE - Walls, Columns & 8/F Slab - Zone B	12	25-Oct-17	08-Nov-17	01-Mar-18	14-Mar-18	2.5%	0%	-102																												
A50915	RDE - Walls, Columns & 8/F Slab - Zone A	12	01-Nov-17	14-Nov-17	27-Feb-18	12-Mar-18	0%	0%	-95																												
A50920	RDE - Walls, Columns & 9/F Slab - Zone B	12	09-Nov-17	22-Nov-17	15-Mar-18	28-Mar-18	0%	0%	-102																												
A50925	RDE - Walls, Columns & 9/F Slab - Zone A	12	15-Nov-17	28-Nov-17	13-Mar-18	26-Mar-18	0%	0%	-95																												
A50940	RDE - Walls, Columns & 10/F Slab - Zone B	12	23-Nov-17	06-Dec-17	29-Mar-18	16-Apr-18	0%	0%	-102																												
A50945	RDE - Walls, Columns & 10/F Slab - Zone A	12	29-Nov-17	12-Dec-17	27-Mar-18	12-Apr-18	0%	0%	-94																												
A50950	RDE - Walls, Columns & 11/F Slab - Zone B	10	07-Dec-17	18-Dec-17	17-Apr-18	25-Apr-18	0%	0%	-100																												
A50955	RDE - Walls, Columns & 11/F Slab - Zone A	10	13-Dec-17	23-Dec-17	13-Apr-18	24-Apr-18	0%	0%	-94																												
A50960	RDE - Walls, Columns & 12/F Slab - Zone B	10	19-Dec-17	02-Jan-18	26-Apr-18	08-May-18	0%	0%	-100																												
A50965	RDE - Walls, Columns & 12/F Slab - Zone A	10	27-Dec-17	08-Jan-18	25-Apr-18	07-May-18	0%	0%	-94																												
A50970	RDE - Walls, Columns & 13/F Slab - Zone B	10	03-Jan-18	13-Jan-18	09-May-18	19-May-18	0%	0%	-100																												
A50975	RDE - Walls, Columns & 13/F Slab - Zone A	10	09-Jan-18	19-Jan-18	08-May-18	18-May-18	0%	0%	-94																												
A50980	RDE - Walls, Columns & 14/F Slab - Zone B	10	15-Jan-18	25-Jan-18	21-May-18	01-Jun-18	0%	0%	-100																												
A50985	RDE - Walls, Columns & 14/F Slab - Zone A	10	20-Jan-18	31-Jan-18	19-May-18	31-May-18	0%	0%	-94																												
A50990	RDE - Walls, Columns & 15/F Slab - Zone B	10	26-Jan-18	06-Feb-18	02-Jun-18	13-Jun-18	0%	0%	-100																												
RDE Building Temporary Works																																					
RD10090	Material Hoist Erectio n (Initial)	8	08-Sep-17	16-Sep-17	12-Jan-18	20-Jan-18	100%	0%	-102																												
RDE Building FACADE Preliminaries																																					
SHOP DRAWINGS + DESIGN CALCULATION																																					
SHOPDRAWING + DESIGN CALCULATION - by Redland																																					
A53490	3rd Shopdrawing for PreCast Tubes, Columns and Roof Panel (FC-PC)	14	15-Jun-17	28-Jun-17	29-Oct-17	11-Nov-17	100%	0%	-136																												
A53500	3rd Shopdrawing for PreCast Tubes, Columns and Roof Panel (FC-PC) -	14	29-Jun-17	12-Jul-17	12-Nov-17	25-Nov-17	100%	0%	-136																												
SHOPDRAWING + DESIGN CALCULATION - by PISA																																					
A53610	3rd Shopdrawing Cast-in Embed for Window Wall & Louver at 2F to 14F	14	15-Jun-17	28-Jun-17	01-Oct-17 A	14-Oct-17 A	100%	100%	-108																												
A53620	3rd Shopdrawing Cast-in Embed for Window Wall & Louver at 2F to 14	14	29-Jun-17	12-Jul-17	03-Oct-17 A	30-Oct-17	100%	95%	-110																												
A53650	2nd Shopdrawing Cast-in Embed for Window Wall & Louver at 15F to F	14	21-May-17	03-Jun-17	01-Oct-17 A	14-Oct-17 A	100%	100%	-133																												
A53660	2nd Shopdrawing Cast-in Embed for Window Wall & Louver at 15F to F	14	04-Jun-17	17-Jun-17	03-Oct-17 A	30-Oct-17	100%	95%	-135																												
A53670	3rd Shopdrawing Cast-in Embed for Window Wall & Louver at 15F to RF	14	18-Jun-17	01-Jul-17	31-Oct-17	13-Nov-17	100%	0%	-135																												
A53680	3rd Shopdrawing Cast-in Embed for Window Wall & Louver at 15F to R	14	02-Jul-17	15-Jul-17	14-Nov-17	27-Nov-17	100%	0%	-135																												

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February					
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	12	19	26			
Long Lead Materials Procurement & Delivery																																			
AB10100	Others	319	06-Jan-17	04-Dec-17	06-Jan-17 A	18-Feb-18	88.4%	0%	-71																										
AB10140	Timber (Floor, Wall & Ceiling)	0	20-Nov-17		20-Nov-17*		0%	0%	0																										
Doors																																			
AB10110	B2/F & B1/F	0	01-Sep-17		29-Oct-17*		100%	0%	-55																										
AB10120	LG/F & G/F	0	01-Oct-17		29-Oct-17*		100%	0%	-25																										
AB10130	1/F & above	0	01-Nov-17		01-Nov-17*		0%	0%	0																										
ABWF & Building Services Installation																																			
M+ Basement ABWF & BS Installation																																			
B2/F - Zone E & Zone E2 (Sector A)																																			
Tanks																																			
M+ Sprinkler Water Tank																																			
AB13590	Waterproofing & water test	12	20-May-17	01-Jun-17	12-Oct-17 A	21-Oct-17 A	100%	100%	-139																										
AB13600	Plastering work (inside tank)	10	02-Jun-17	11-Jun-17	29-Oct-17	07-Nov-17	100%	0%	-145																										
AB13610	Wall & floor tiling	14	12-Jun-17	25-Jun-17	08-Nov-17	21-Nov-17	100%	0%	-145																										
AB13620	Application of sealer on soffit (outside tank)	7	26-Jun-17	03-Jul-17	22-Nov-17	28-Nov-17	100%	0%	-145																										
AB13630	Cat ladder	7	04-Jul-17	10-Jul-17	29-Nov-17	05-Dec-17	100%	0%	-145																										
AB13640	Hatch cover	7	11-Jul-17	17-Jul-17	06-Dec-17	12-Dec-17	100%	0%	-145																										
M+ FS Water Tank																																			
AB13660	Waterproofing & water test	12	12-Jun-17	23-Jun-17	12-Oct-17 A	21-Oct-17 A	100%	100%	-117																										
AB13670	Plastering work (inside tank)	10	24-Jun-17	04-Jul-17	29-Oct-17	07-Nov-17	100%	0%	-123																										
AB13680	Wall & floor tiling	14	05-Jul-17	18-Jul-17	08-Nov-17	21-Nov-17	100%	0%	-123																										
AB13690	Application of sealer on soffit (outside tank)	7	19-Jul-17	25-Jul-17	22-Nov-17	28-Nov-17	100%	0%	-123																										
AB13700	Cat ladder	7	26-Jul-17	01-Aug-17	29-Nov-17	05-Dec-17	100%	0%	-123																										
AB13710	Hatch cover	7	02-Aug-17	08-Aug-17	06-Dec-17	12-Dec-17	100%	0%	-123																										
M+ IR Tank																																			
AB13730	Waterproofing & water test	12	05-Jul-17	16-Jul-17	08-Nov-17	19-Nov-17	100%	0%	-123																										
AB13740	Plastering work (inside tank)	10	17-Jul-17	26-Jul-17	20-Nov-17	29-Nov-17	100%	0%	-123																										
AB13750	Wall & floor tiling	14	27-Jul-17	09-Aug-17	30-Nov-17	13-Dec-17	100%	0%	-123																										
AB13760	Application of sealer on soffit (outside tank)	7	10-Aug-17	16-Aug-17	14-Dec-17	20-Dec-17	100%	0%	-123																										
AB13770	Cat ladder	7	17-Aug-17	23-Aug-17	21-Dec-17	29-Dec-17	100%	0%	-123																										
AB13780	Hatch cover	7	24-Aug-17	30-Aug-17	30-Dec-17	06-Jan-18	100%	0%	-123																										
Rain Water Retention Tank																																			
AB13800	Waterproofing & water test	12	27-Jul-17	07-Aug-17	30-Nov-17	11-Dec-17	100%	0%	-123																										
AB13810	Plastering work (inside tank)	10	08-Aug-17	17-Aug-17	12-Dec-17	21-Dec-17	100%	0%	-123																										
AB13820	Wall & floor tiling	14	18-Aug-17	31-Aug-17	22-Dec-17	07-Jan-18	100%	0%	-123																										
AB13830	Application of sealer on soffit (outside tank)	7	01-Sep-17	07-Sep-17	08-Jan-18	14-Jan-18	100%	0%	-123																										
AB13840	Cat ladder	7	08-Sep-17	14-Sep-17	15-Jan-18	21-Jan-18	100%	0%	-123																										
AB13850	Hatch cover	7	15-Sep-17	21-Sep-17	22-Jan-18	28-Jan-18	100%	0%	-123																										
Plantrooms																																			
FS Pump Room																																			
Builders' Work																																			
AB13370	Concrete plinth	5	30-Aug-17	03-Sep-17	08-Jan-18	13-Jan-18	100%	0%	-126																										
AB13380	Wall rendering	7	04-Sep-17	10-Sep-17	13-Jan-18	20-Jan-18	100%	0%	-126																										
AB13390	Floor Screeding	7	11-Sep-17	17-Sep-17	20-Jan-18	27-Jan-18	100%	0%	-126																										
AB13400	Wall Epoxy Paint	7	18-Sep-17	24-Sep-17	27-Jan-18	03-Feb-18	100%	0%	-126																										

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
AB13410	Sealer on ceiling soffit & application of epoxy paint on wall	14	25-Sep-17	10-Oct-17	03-Feb-18	20-Feb-18	100%	0%	-126																														
Electrical Systems																																							
BS10000	FS Pump Room - MEP 2nd Fix	14	11-Oct-17	24-Oct-17	20-Feb-18	06-Mar-18	100%	0%	-126																														
FS & Plumbing Systems																																							
BS10010	FS Pump Room - Install FS Pump	45	25-Oct-17	09-Dec-17	06-Mar-18	24-Apr-18	6.67%	0%	-126																														
Final Finsihes																																							
AB13420	Final coat of paint on wall	3	10-Dec-17	12-Dec-17	24-Apr-18	27-Apr-18	0%	0%	-126																														
AB13430	Sealer on floor	3	13-Dec-17	15-Dec-17	27-Apr-18	30-Apr-18	0%	0%	-126																														
AB13440	Door & ironmongeries installation	3	16-Dec-17	18-Dec-17	30-Apr-18	04-May-18	0%	0%	-126																														
IR/ RW/ ACC Condensate Pump Room & Water Meter Room																																							
Builders' Work																																							
AB13450	Concrete plinth	5	04-Sep-17	08-Sep-17	13-Jan-18	18-Jan-18	100%	0%	-126																														
AB13460	Wall rendering	7	09-Sep-17	15-Sep-17	18-Jan-18	25-Jan-18	100%	0%	-126																														
AB13470	Floor Screeding	7	16-Sep-17	22-Sep-17	25-Jan-18	01-Feb-18	100%	0%	-126																														
AB13480	Wall Epoxy Paint	7	23-Sep-17	29-Sep-17	01-Feb-18	08-Feb-18	100%	0%	-126																														
AB13490	Sealer on ceiling soffit & application of epoxy paint on wall	14	30-Sep-17	15-Oct-17	08-Feb-18	25-Feb-18	100%	0%	-126																														
Electrical Systems																																							
BS10020	IR/ RW/ ACC Pump Room - MEP 2nd Fix	14	16-Oct-17	30-Oct-17	25-Feb-18	11-Mar-18	85.71%	0%	-126																														
FS & Plumbing Systems																																							
BS10030	IR/ RW/ ACC Pump Room - Install ACC Condensate Pump	45	31-Oct-17	14-Dec-17	11-Mar-18	29-Apr-18	0%	0%	-126																														
Final Finishes																																							
AB13500	Final coat of paint on wall	3	15-Dec-17	17-Dec-17	29-Apr-18	03-May-18	0%	0%	-126																														
AB13510	Sealer on floor	3	18-Dec-17	20-Dec-17	03-May-18	06-May-18	0%	0%	-126																														
AB13520	Door & ironmongeries installation	3	21-Dec-17	23-Dec-17	06-May-18	09-May-18	0%	0%	-126																														
TBE																																							
Builders' Work																																							
AB13530	Sealer on ceiling soffit & application of epoxy paint on wall	7	19-Dec-17	27-Dec-17	25-Feb-18	04-Mar-18	0%	0%	-63																														
Electrical Systems																																							
BS10040	TBE - MEP 2nd Fix	14	28-Dec-17	11-Jan-18	04-Mar-18	18-Mar-18	0%	0%	-63																														
Final Finishes																																							
AB13560	Final coat of paint on wall	3	12-Jan-18	14-Jan-18	18-Mar-18	21-Mar-18	0%	0%	-63																														
AB13570	Sealer on floor	3	15-Jan-18	17-Jan-18	21-Mar-18	24-Mar-18	0%	0%	-63																														
AB13580	Door & ironmongeries installation	3	18-Jan-18	20-Jan-18	09-May-18	12-May-18	0%	0%	-104																														
General Builders' Work																																							
AB13320	Steel Post	14	20-May-17	03-Jun-17	29-Oct-17	11-Nov-17	100%	0%	-157																														
AB13330	Blockwall	20	04-Jun-17	23-Jun-17	12-Nov-17	01-Dec-17	100%	0%	-157																														
AB13340	Wall Plastering	14	23-Jun-17	08-Jul-17	01-Dec-17	15-Dec-17	100%	0%	-157																														
AB13350	Floor Screeding	7	08-Jul-17	15-Jul-17	15-Dec-17	22-Dec-17	100%	0%	-157																														
AB13360	Drywall (MEP concealed items, close up panel)	14	16-Aug-17	29-Aug-17	22-Dec-17	08-Jan-18	100%	0%	-126																														
General BS Installation																																							
Electrical Systems																																							
AB13925	MEP 1st fix - B2F Sector A	30	30-Aug-17	28-Sep-17	08-Jan-18	07-Feb-18	100%	0%	-126																														
AB13930	MEP 2nd fix - B2F Sector A	45	09-Oct-17	23-Nov-17	13-Feb-18	04-Apr-18	42.22%	0%	-123																														
AB13935	MEP Final fix - B2F Sector A	30	24-Nov-17	23-Dec-17	06-Apr-18	06-May-18	0%	0%	-123																														
Plumbing & Drainage																																							
AB52060	P&D 1st fix - B2F Sector A	30	30-Aug-17	28-Sep-17	08-Jan-18	07-Feb-18	100%	0%	-126																														

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
AB52070	P&D 2nd fix - B2F Sector A	45	29-Sep-17	15-Nov-17	07-Feb-18	27-Mar-18	60%	0%	-126																														
AB52080	P&D Final fix - B2F Sector A	30	16-Nov-17	15-Dec-17	27-Mar-18	30-Apr-18	0%	0%	-126																														
FS System																																							
AB52090	FS 1st fix - B2F Sector A	30	30-Aug-17	28-Sep-17	08-Jan-18	07-Feb-18	100%	0%	-126																														
AB52100	FS 2nd fix - B2F Sector A	45	29-Sep-17	15-Nov-17	07-Feb-18	27-Mar-18	60%	0%	-126																														
AB52110	FS Final fix - B2F Sector A	30	16-Nov-17	15-Dec-17	27-Mar-18	30-Apr-18	0%	0%	-126																														
HVAC System																																							
AB52120	HVAC 1st fix - B2F Sector A	60	30-Aug-17	31-Oct-17	08-Jan-18	12-Mar-18	95%	0%	-126																														
AB52130	HVAC 2nd fix - B2F Sector A	69	01-Nov-17	11-Jan-18	12-Mar-18	26-May-18	0%	0%	-126																														
AB52140	HVAC Final fix - B2F Sector A	30	12-Jan-18	10-Feb-18	26-May-18	26-Jun-18	0%	0%	-126																														
Workshops, Storages & Offices																																							
I.S. Workshop Facility, MO EQ Room																																							
AB13870	Skim coat, application of epoxy paint on wall and sealer on soffit & floor	14	08-Sep-17	21-Sep-17	15-Jan-18	28-Jan-18	100%	0%	-123																														
Exhibit Tech/ Electrical Workshop, Corridor, Exhibit Lighting Electrical Shop/ Storage, General Stor																																							
AB13910	Skim coat, application of epoxy paint on wall and sealer on soffit & floor	14	22-Sep-17	07-Oct-17	29-Jan-18	11-Feb-18	100%	0%	-123																														
Chief Electrician Office																																							
AB13940	Acoustic ceiling framework	14	24-Nov-17	07-Dec-17	06-Apr-18	19-Apr-18	0%	0%	-123																														
AB13950	MEP dropper	7	01-Dec-17	07-Dec-17	13-Apr-18	19-Apr-18	0%	0%	-123																														
AB13960	Acoustic ceiling close-up	7	08-Dec-17	14-Dec-17	20-Apr-18	26-Apr-18	0%	0%	-123																														
AB13970	Skim coat, application of epoxy paint on wall and sealer on floor	14	15-Dec-17	30-Dec-17	27-Apr-18	11-May-18	0%	0%	-123																														
I.S. Equipment Storage, Workshop 1, Workshop 2																																							
AB13890	Skim coat, application of epoxy paint on wall and sealer on soffit & floor	14	19-Dec-17	04-Jan-18	25-Feb-18	11-Mar-18	0%	0%	-63																														
AB13900	Door & ironmongeries installation	7	18-Jan-18	24-Jan-18	09-May-18	16-May-18	0%	0%	-104																														
B2/F - Zone H (Sector B)																																							
Plantrooms																																							
DCS Chiller Plant																																							
Builders' Work																																							
AB11330	Concrete Plinth	5	26-Sep-17	30-Sep-17	10-Jan-18	14-Jan-18	100%	0%	-100																														
AB11340	Floor Screeding & wall rendering	8	01-Oct-17	10-Oct-17	15-Jan-18	22-Jan-18	100%	0%	-100																														
AB11350	Sealer on ceiling soffit & application of epoxy paint on wall	10	11-Oct-17	20-Oct-17	23-Jan-18	01-Feb-18	100%	0%	-100																														
BS Installation																																							
AB52020	DCS Plant Room - MEP 2nd Fix	30	21-Oct-17	20-Nov-17	02-Feb-18	06-Mar-18	23.33%	0%	-100																														
AB52030	DCS Plant Room - Install DCS Pumps	150	21-Nov-17	29-Apr-18	28-Oct-17 A	23-Mar-18	0%	5%	33																														
Main Control Circuit Room																																							
Builders' Work																																							
AB11290	Steel Post	7	26-Sep-17	03-Oct-17	10-Jan-18	16-Jan-18	100%	0%	-100																														
AB11300	Blockwall	7	04-Oct-17	11-Oct-17	17-Jan-18	23-Jan-18	100%	0%	-100																														
AB11310	Wall Plastering	7	12-Oct-17	18-Oct-17	24-Jan-18	30-Jan-18	100%	0%	-100																														
AB11320	Floor Screeding	12	19-Oct-17	31-Oct-17	31-Jan-18	11-Feb-18	75%	0%	-100																														
AB11410	Wall tiling (1.5m high)	14	01-Nov-17	14-Nov-17	12-Feb-18	28-Feb-18	0%	0%	-100																														
AB11420	Sealer on ceiling soffit & application of epoxy paint on wall	7	15-Nov-17	21-Nov-17	01-Mar-18	07-Mar-18	0%	0%	-100																														
BS Installation																																							
AB52040	Main Control Circuit Room - MEP 2nd Fix	30	22-Nov-17	21-Dec-17	08-Mar-18	10-Apr-18	0%	0%	-100																														
AB52050	Main Control Circuit Room - Install DCS Main Control Unit	60	22-Dec-17	25-Feb-18	11-Apr-18	11-Jun-18	0%	0%	-100																														
General Builders' Work																																							
AB11360	Steel Post	7	19-Sep-17	25-Sep-17	03-Jan-18	10-Jan-18	100%	0%	-100																														

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February								
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05									
AB11370	Blockwall	7	26-Sep-17	03-Oct-17	10-Jan-18	16-Jan-18	100%	0%	-100																													
AB11430	Wall Plastering	7	04-Oct-17	11-Oct-17	17-Jan-18	23-Jan-18	100%	0%	-100																													
AB11435	Floor Screeding	12	12-Oct-17	23-Oct-17	24-Jan-18	04-Feb-18	100%	0%	-100																													
General BS Installation																																						
Electrical System																																						
AB52160	MEP 1st fix - B2F Sector B	30	24-Oct-17	23-Nov-17	05-Feb-18	09-Mar-18	13.33%	0%	-100																													
AB52165	MEP 2nd fix - B2F Sector B	45	24-Nov-17	10-Jan-18	10-Mar-18	27-Apr-18	0%	0%	-100																													
AB52170	MEP Final fix - B2F Sector B	30	11-Jan-18	09-Feb-18	28-Apr-18	29-May-18	0%	0%	-100																													
Plumbing & Drainage																																						
AB52190	P&D 1st fix - B2F Sector B	30	24-Oct-17	23-Nov-17	05-Feb-18	09-Mar-18	13.33%	0%	-100																													
AB52195	P&D 2nd fix - B2F Sector B	45	24-Nov-17	10-Jan-18	10-Mar-18	27-Apr-18	0%	0%	-100																													
AB52200	P&D Final fix - B2F Sector B	30	11-Jan-18	09-Feb-18	28-Apr-18	29-May-18	0%	0%	-100																													
FS System																																						
AB52220	FS 1st fix - B2F Sector B	30	24-Oct-17	23-Nov-17	05-Feb-18	09-Mar-18	13.33%	0%	-100																													
AB52225	FS 2nd fix - B2F Sector B	45	24-Nov-17	10-Jan-18	10-Mar-18	27-Apr-18	0%	0%	-100																													
AB52230	FS Final fix - B2F Sector B	30	11-Jan-18	09-Feb-18	28-Apr-18	29-May-18	0%	0%	-100																													
HVAC System																																						
AB52250	HVAC 1st fix - B2F Sector B	60	24-Oct-17	23-Dec-17	05-Feb-18	12-Apr-18	6.67%	0%	-100																													
AB52255	HVAC 2nd fix - B2F Sector B	69	24-Dec-17	08-Mar-18	13-Apr-18	23-Jun-18	0%	0%	-100																													
B2/F - Zone A (Sector C)																																						
Plantrooms																																						
SH Water Tank/ Street Hydrant Tank																																						
AB11910	Waterproofing & water test	12	17-Jul-17	28-Jul-17	20-Nov-17	01-Dec-17	100%	0%	-123																													
AB11920	Plastering work (inside tank)	10	29-Jul-17	07-Aug-17	02-Dec-17	11-Dec-17	100%	0%	-123																													
AB11930	Wall & floor tiling	14	08-Aug-17	21-Aug-17	12-Dec-17	27-Dec-17	100%	0%	-123																													
AB11940	Application of sealer on soffit (outside tank)	7	22-Aug-17	28-Aug-17	28-Dec-17	04-Jan-18	100%	0%	-123																													
AB11950	Cat ladder	7	29-Aug-17	04-Sep-17	05-Jan-18	11-Jan-18	100%	0%	-123																													
AB11960	Hatch cover	7	05-Sep-17	11-Sep-17	12-Jan-18	18-Jan-18	100%	0%	-123																													
Grease Trap Room for Podium																																						
Builders' Work																																						
AB11550	Concrete plinth & waterproofing works	12	19-Jul-17	01-Aug-17	21-Oct-17 A	10-Nov-17	100%	60%	-84																													
AB11560	Floor Screeding	7	02-Aug-17	08-Aug-17	11-Nov-17	17-Nov-17	100%	0%	-98																													
AB11570	Wall rendering	7	09-Aug-17	15-Aug-17	18-Nov-17	24-Nov-17	100%	0%	-98																													
AB11580	Sealer on ceiling soffit & application of epoxy paint on wall	7	16-Aug-17	22-Aug-17	25-Nov-17	01-Dec-17	100%	0%	-98																													
BS Installation																																						
AB11590	General building services installation	14	06-Sep-17	19-Sep-17	16-Dec-17	31-Dec-17	100%	0%	-98																													
AB11595	Install sewage pipes & SST grease trap tanks	14	20-Sep-17	04-Oct-17	02-Jan-18	15-Jan-18	100%	0%	-98																													
Final Finishes																																						
AB11600	Final coat of paint on ceiling & wall	3	06-Oct-17	08-Oct-17	16-Jan-18	18-Jan-18	100%	0%	-98																													
AB11610	Sealer on floor	3	09-Oct-17	11-Oct-17	19-Jan-18	21-Jan-18	100%	0%	-98																													
M+ Water Pump Room																																						
Builders' Work																																						
AB11630	Concrete plinth & waterproofing works	12	09-Aug-17	20-Aug-17	18-Nov-17	29-Nov-17	100%	0%	-98																													
AB11640	Floor Screeding	7	21-Aug-17	27-Aug-17	30-Nov-17	06-Dec-17	100%	0%	-98																													
AB11650	Wall Rendering	7	28-Aug-17	03-Sep-17	07-Dec-17	13-Dec-17	100%	0%	-98																													
AB11660	Sealer on ceiling soffit & application of epoxy paint on wall	7	04-Sep-17	10-Sep-17	14-Dec-17	20-Dec-17	100%	0%	-98																													

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November				December				January				February			
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	
BS Installation																														
AB11670	MEP 2nd fix	15	25-Sep-17	11-Oct-17	07-Jan-18	21-Jan-18	100%	0%	-98																					
AB52270	Install water pump set	30	12-Oct-17	11-Nov-17	22-Jan-18	23-Feb-18	53.33%	0%	-98																					
Final Finishes																														
AB11680	Final coat of paint & wall	3	12-Nov-17	14-Nov-17	24-Feb-18	26-Feb-18	0%	0%	-98																					
AB11690	Sealer on floor	3	15-Nov-17	17-Nov-17	27-Feb-18	01-Mar-18	0%	0%	-98																					
CSF FS Pump Room																														
Builders' Work																														
AB11830	Concrete plinth & waterproofing works	12	18-Sep-17	29-Sep-17	30-Dec-17	11-Jan-18	100%	0%	-98																					
AB11840	Floor Screeding	7	30-Sep-17	08-Oct-17	12-Jan-18	18-Jan-18	100%	0%	-98																					
AB11850	Wall Rendering	7	09-Oct-17	15-Oct-17	16-Oct-17 A	21-Oct-17 A	100%	100%	-6																					
AB11860	Sealer on ceiling soffit & application of epoxy paint on wall	7	16-Oct-17	22-Oct-17	21-Oct-17 A	04-Nov-17	100%	20%	-12																					
BS Installation																														
AB11870	MEP 2nd fix	15	07-Nov-17	21-Nov-17	19-Nov-17	03-Dec-17	0%	0%	-12																					
AB11875	Install FS Pump Set & SAT	30	22-Nov-17	21-Dec-17	04-Dec-17	05-Jan-18	0%	0%	-12																					
Final Finishes																														
AB11880	Final coat of paint on wall	3	22-Dec-17	24-Dec-17	06-Jan-18	08-Jan-18	0%	0%	-12																					
AB11890	Sealer on floor	3	27-Dec-17	29-Dec-17	09-Jan-18	11-Jan-18	0%	0%	-12																					
ICT Room																														
Builders' Work																														
AB12120	Blockwall	10	29-Aug-17	07-Sep-17	05-Jan-18	14-Jan-18	100%	0%	-123																					
AB12130	Plastering & screeding	5	08-Sep-17	12-Sep-17	15-Jan-18	19-Jan-18	100%	0%	-123																					
AB12135	Sealer on ceiling soffit & application of epoxy paint on wall	5	13-Sep-17	17-Sep-17	20-Jan-18	24-Jan-18	100%	0%	-123																					
BS Installation																														
AB12140	MEP 2nd fix & final fix	30	18-Sep-17	19-Oct-17	25-Jan-18	26-Feb-18	100%	0%	-123																					
Final Finishes																														
AB12150	Final coat of paint on wall	3	20-Oct-17	22-Oct-17	27-Feb-18	01-Mar-18	100%	0%	-123																					
AB12160	Sealer on floor	3	23-Oct-17	25-Oct-17	02-Mar-18	04-Mar-18	100%	0%	-123																					
ICT Riser																														
Builders' Work																														
AB12180	Blockwall	10	08-Sep-17	17-Sep-17	15-Jan-18	24-Jan-18	100%	0%	-123																					
AB12190	Plastering & screeding	5	18-Sep-17	22-Sep-17	25-Jan-18	29-Jan-18	100%	0%	-123																					
BS Installation																														
AB12200	MEP 2nd & final fix	30	28-Sep-17	30-Oct-17	04-Feb-18	08-Mar-18	93.33%	0%	-123																					
Final Finishes																														
AB12210	Final coat of paint on wall	3	31-Oct-17	02-Nov-17	09-Mar-18	11-Mar-18	0%	0%	-123																					
AB12220	Sealer on floor	3	03-Nov-17	05-Nov-17	12-Mar-18	14-Mar-18	0%	0%	-123																					
Security Control Room																														
Builders' Work																														
AB11980	Blockwall	10	22-Aug-17	31-Aug-17	28-Dec-17	07-Jan-18	100%	0%	-123																					
AB11990	Plastering & screeding	5	01-Sep-17	05-Sep-17	08-Jan-18	12-Jan-18	100%	0%	-123																					
AB12000	Acoustic ceiling framework	5	06-Sep-17	10-Sep-17	13-Jan-18	17-Jan-18	100%	0%	-123																					
BS Installation																														
AB12010	MEP 2nd & final fix	30	25-Sep-17	26-Oct-17	01-Feb-18	05-Mar-18	100%	0%	-123																					
Final Finishes																														
AB12020	Acoustic ceiling close-up	7	27-Oct-17	03-Nov-17	06-Mar-18	12-Mar-18	14.29%	0%	-123																					

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February							
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	12	19	26	01	08	15	22	29
AB52380	HVAC 2nd fix - B2F Sector C	69	16-Jul-17	22-Sep-17	20-Jun-17 A	22-Dec-17	100%	28%	-88																												
AB52390	HVAC Final fix - B2F Sector C	30	23-Sep-17	24-Oct-17	23-Dec-17	24-Jan-18	100%	0%	-88																												
Workshops, Storages & Offices																																					
Bulk Supply Storage, Museum Workshops, ICT Riser, Display Case -Plinth-Vitrine, Exhibit Workshops																																					
AB12240	Construction of maintenance platform	48	23-Sep-17	12-Nov-17	30-Jan-18	21-Mar-18	68.75%	0%	-123																												
AB12250	Fire shutters/security shutters installation	28	22-Oct-17	19-Nov-17	01-Mar-18	28-Mar-18	21.43%	0%	-123																												
AB12260	Skim coat, application of epoxy paint on wall, sealer on soffit and floor	21	13-Nov-17	03-Dec-17	22-Mar-18	15-Apr-18	0%	0%	-123																												
AB12270	Door & ironmongeries installation	14	04-Dec-17	17-Dec-17	16-Apr-18	29-Apr-18	0%	0%	-123																												
RDE Holding/ Shipping/ Receiving Lock-up, RDE/F&B Loading Dock																																					
AB12370	Surface channel grating	14	04-Dec-17	17-Dec-17	16-Apr-18	29-Apr-18	0%	0%	-123																												
AB12380	Skim coat, application of sealer on wall, soffit and floor	14	18-Dec-17	03-Jan-18	30-Apr-18	14-May-18	0%	0%	-123																												
AB12390	Wall protection & corner guards installation	14	04-Jan-18	17-Jan-18	15-May-18	29-May-18	0%	0%	-123																												
Non-Art Loading Dock, Non-Art Holding/ Shipping/ Receiving Lock-up 1, Mail Room 1																																					
AB12420	Ceiling framework	21	03-Jul-17	23-Jul-17	25-Nov-17	15-Dec-17	100%	0%	-142																												
AB12430	MEP dropper	7	17-Jul-17	23-Jul-17	09-Dec-17	15-Dec-17	100%	0%	-142																												
AB12440	Ceiling close-up	14	24-Jul-17	06-Aug-17	16-Dec-17	31-Dec-17	100%	0%	-142																												
AB12450	Skim coat, application of sealer on wall, soffit and floor	14	07-Aug-17	20-Aug-17	02-Jan-18	15-Jan-18	100%	0%	-142																												
AB12460	Wall protection & corner guards installation	14	21-Aug-17	03-Sep-17	16-Jan-18	29-Jan-18	100%	0%	-142																												
Uniforms & Equipment Storage, RDE Storage, General Maintenance																																					
AB12480	Application of epoxy paint on wall and sealer on floor	21	21-Aug-17	10-Sep-17	16-Jan-18	05-Feb-18	100%	0%	-142																												
Security Briefing Room, Security Locker Room																																					
AB12290	Acoustic ceiling framework	21	03-Jul-17	23-Jul-17	25-Nov-17	15-Dec-17	100%	0%	-142																												
AB12300	MEP dropper	7	17-Jul-17	23-Jul-17	09-Dec-17	15-Dec-17	100%	0%	-142																												
AB12310	Acoustic ceiling close up	14	24-Jul-17	06-Aug-17	16-Dec-17	31-Dec-17	100%	0%	-142																												
AB12320	Application of epoxy paint on wall	14	07-Aug-17	20-Aug-17	02-Jan-18	15-Jan-18	100%	0%	-142																												
Toilets																																					
Public Toilets & Toilet Lobby (Benchmark Toilet)																																					
Toilet Block																																					
AB50980	Waterproofing & water test complete	0		15-Aug-17		30-Dec-17	100%	0%	-132																												
AB50990	Protective floor screeding	2	16-Aug-17	17-Aug-17	31-Dec-17	02-Jan-18	100%	0%	-132																												
AB51000	Gypsum ceiling framework	7	18-Aug-17	24-Aug-17	03-Jan-18	09-Jan-18	100%	0%	-132																												
AB51010	Wall tiling	14	26-Aug-17	08-Sep-17	11-Jan-18	24-Jan-18	100%	0%	-132																												
AB51020	Polished concrete floor (by others)	3	09-Sep-17	11-Sep-17	25-Jan-18	27-Jan-18	100%	0%	-132																												
AB51040	Taping & jointing and painting on ceiling	7	22-Sep-17	28-Sep-17	07-Feb-18	13-Feb-18	100%	0%	-132																												
AB51050	Emulsion paint to wall gypsum board (Baby Room only)	7	29-Sep-17	07-Oct-17	14-Feb-18	23-Feb-18	100%	0%	-132																												
AB51060	Cubicle partition installation	7	08-Oct-17	14-Oct-17	24-Feb-18	02-Mar-18	100%	0%	-132																												
AB51070	Terrazo countertop	5	15-Oct-17	19-Oct-17	03-Mar-18	07-Mar-18	100%	0%	-132																												
AB51080	Door & ironmongeries installation	3	20-Oct-17	22-Oct-17	08-Mar-18	10-Mar-18	100%	0%	-132																												
AB51090	Sanitary wares & fitting (by others)	5	23-Oct-17	27-Oct-17	11-Mar-18	15-Mar-18	100%	0%	-132																												
AB51100	Steel frame for vanity counter	7	19-Aug-17	25-Aug-17	04-Jan-18	10-Jan-18	100%	0%	-132																												
AB51120	Mirror installation & cleaning work	4	29-Oct-17	01-Nov-17	16-Mar-18	19-Mar-18	0%	0%	-132																												
Toilet Lobby																																					
AB51140	Subframe & plywood furring for timber wall	6	26-Sep-17	01-Oct-17	11-Feb-18	18-Feb-18	100%	0%	-132																												
AB51150	MEP dropper	5	03-Oct-17	08-Oct-17	20-Feb-18	24-Feb-18	100%	0%	-132																												
AB51160	Smoked oak ceiling planks	4	09-Oct-17	12-Oct-17	25-Feb-18	28-Feb-18	100%	0%	-132																												
AB51170	Resilient layer application	3	13-Oct-17	15-Oct-17	01-Mar-18	03-Mar-18	100%	0%	-132																												

◆ Waterproofing & water test complete

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP-R0.D5 Start	CMWP-R0.D5 Finish	Actual/ Forecast Start	Actual/ Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February		
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05			
AB51180	2 layer plywood installation	2	16-Oct-17	17-Oct-17	04-Mar-18	05-Mar-18	100%	0%	-132																							
AB51190	Oakend-grain blockwood flooring	7	18-Oct-17	24-Oct-17	06-Mar-18	12-Mar-18	100%	0%	-132																							
AB51200	White oak timber wall plants	5	25-Oct-17	30-Oct-17	13-Mar-18	17-Mar-18	60%	0%	-132																							
AB51220	Completion of benchmark toilet & readyfor inspection	0		01-Nov-17		19-Mar-18	0%	0%	-132																							
Staff Toilets																																
AB12500	Waterproofing & water test complete	0		01-Nov-17		19-Mar-18	0%	0%	-132																							
AB12510	Protective screeding	7	02-Nov-17	08-Nov-17	20-Mar-18	26-Mar-18	0%	0%	-132																							
AB12520	Floor screeding	7	09-Nov-17	15-Nov-17	27-Mar-18	06-Apr-18	0%	0%	-132																							
AB12530	Steel frame forvanity counter	7	16-Nov-17	22-Nov-17	07-Apr-18	13-Apr-18	0%	0%	-132																							
AB12540	Gypsum/ cement board ceiling framework	14	23-Nov-17	06-Dec-17	14-Apr-18	27-Apr-18	0%	0%	-132																							
AB12550	Wall & floor tiling	21	07-Dec-17	29-Dec-17	28-Apr-18	19-May-18	0%	0%	-132																							
AB12560	MEP 2nd fix	14	30-Dec-17	13-Jan-18	20-May-18	03-Jun-18	0%	0%	-132																							
AB12570	Gypsum/ cement board ceiling close-up	7	14-Jan-18	20-Jan-18	04-Jun-18	10-Jun-18	0%	0%	-132																							
AB12580	Taping & jointing and painting on ceiling	7	21-Jan-18	27-Jan-18	11-Jun-18	17-Jun-18	0%	0%	-132																							
Lobby/ Lift Lobby																																
LT-01, LT-02, LT-03, LT-04, LT-11 & LT-12 Lift Lobby																																
AB12630	MEP 1st / 2nd fix complete (high level)	0		24-Oct-17		24-Jan-18	100%	0%	-88																							
AB12640	Fire rated metal ceiling framework	21	25-Oct-17	15-Nov-17	25-Jan-18	14-Feb-18	14.29%	0%	-88																							
AB12650	MEP dropper	7	09-Nov-17	15-Nov-17	08-Feb-18	14-Feb-18	0%	0%	-88																							
AB12660	Fire rated metal ceiling close-up	14	16-Nov-17	29-Nov-17	15-Feb-18	03-Mar-18	0%	0%	-88																							
AB12670	Application of sealer on wall & floor	21	30-Nov-17	20-Dec-17	04-Mar-18	24-Mar-18	0%	0%	-88																							
AB12680	Door & ironmongeries installation	14	21-Dec-17	06-Jan-18	25-Mar-18	11-Apr-18	0%	0%	-88																							
LT-05, LT-06, LT-07 & LT-08 Lift Lobby (B2/F to G/F) (Late Access Area)																																
AB51915	Metal frame for aluminum cladding	21	21-Dec-17	13-Jan-18	25-Mar-18	18-Apr-18	0%	0%	-88																							
AB51920	Skim coat, a ppplication of sealer on wall & soffit	14	10-Jan-18	23-Jan-18	15-Apr-18	28-Apr-18	0%	0%	-88																							
AB51930	Aluminum cladding	21	24-Jan-18	13-Feb-18	29-Apr-18	20-May-18	0%	0%	-88																							
Corridors																																
Delivery Corridor 1, 2, 3 & 4 & Corridor along Grease Trap Room for Podium & ST-01B																																
AB12690	MEP 1st / 2nd fix complete (high level)	0		15-Nov-17		14-Feb-18	0%	0%	-88																							
AB12700	Fire rated metal ceiling framework	28	16-Nov-17	13-Dec-17	15-Feb-18	17-Mar-18	0%	0%	-88																							
AB12710	Fire shutters installation	28	22-Nov-17	19-Dec-17	29-Mar-18	29-Apr-18	0%	0%	-121																							
AB12720	MEP dropper	7	07-Dec-17	13-Dec-17	11-Mar-18	17-Mar-18	0%	0%	-88																							
AB12730	Fire rated metal ceiling close-up	14	14-Dec-17	29-Dec-17	18-Mar-18	03-Apr-18	0%	0%	-88																							
AB12740	Application of sealer on wall & floor	21	30-Dec-17	20-Jan-18	04-Apr-18	25-Apr-18	0%	0%	-88																							
AB12750	Wall protection and corner guards installation	14	21-Jan-18	03-Feb-18	26-Apr-18	10-May-18	0%	0%	-88																							
B2/F - Zone D, Zone B & Zone A (Sector D)																																
MEP Plantrooms																																
ELV (First Access Areas)																																
Builders' Works																																
AB52400	Steel Post	3	29-Jun-17	02-Jul-17	29-Oct-17	31-Oct-17	100%	0%	-118																							
AB52410	Blockwall	5	03-Jul-17	07-Jul-17	01-Nov-17	05-Nov-17	100%	0%	-118																							
AB52420	Wall Plastering	7	08-Jul-17	14-Jul-17	06-Nov-17	12-Nov-17	100%	0%	-118																							
AB52430	Floor Screeding	7	15-Jul-17	21-Jul-17	13-Nov-17	19-Nov-17	100%	0%	-118																							
AB52440	Sealer on ceiling soffit & application of epoxy paint on wall	3	22-Jul-17	24-Jul-17	20-Nov-17	22-Nov-17	100%	0%	-118																							
BS Installation																																
AB12830	MEP 2nd fix	14	25-Jul-17	07-Aug-17	23-Nov-17	06-Dec-17	100%	0%	-118																							

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February								
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05									
AB12840	Install ELV Switchboard	60	08-Aug-17	08-Oct-17	07-Dec-17	07-Feb-18	100%	0%	-118																													
Final Finishes																																						
AB12850	Final coat of paint on wall	3	09-Oct-17	11-Oct-17	08-Feb-18	10-Feb-18	100%	0%	-118																													
AB12860	Sealer on floor	3	12-Oct-17	14-Oct-17	11-Feb-18	13-Feb-18	100%	0%	-118																													
AB12870	Door & ironmongeries installation	3	15-Oct-17	17-Oct-17	14-Feb-18	18-Feb-18	100%	0%	-118																													
AHU Room																																						
Builders' Work																																						
AB12880	Concrete plinth	5	27-Jan-18	31-Jan-18	10-Mar-18	14-Mar-18	0%	0%	-39																													
RDE FS Water Tank																																						
AB13030	Waterproofing & water test complete	0		26-Jan-18		09-Mar-18	0%	0%	-39																													
AB13040	Plastering work (inside tank)	10	27-Jan-18	05-Feb-18	10-Mar-18	19-Mar-18	0%	0%	-39																													
RDE Sprinkler Water Tank																																						
AB12960	Waterproofing & water test complete	0		26-Jan-18		09-Mar-18	0%	0%	-39																													
AB12970	Plastering work (inside tank)	10	27-Jan-18	05-Feb-18	10-Mar-18	19-Mar-18	0%	0%	-39																													
General Builders' Work																																						
AB12770	Steel Post	7	29-Jun-17	06-Jul-17	29-Oct-17	04-Nov-17	100%	0%	-118																													
AB12780	Blockwall	10	07-Jul-17	16-Jul-17	05-Nov-17	14-Nov-17	100%	0%	-118																													
AB12790	Wall Plastering	14	16-Jul-17	30-Jul-17	14-Nov-17	28-Nov-17	100%	0%	-118																													
AB12800	Floor Screeding	14	30-Jul-17	13-Aug-17	28-Nov-17	12-Dec-17	100%	0%	-118																													
AB12810	Drywall (MEP concealed items, close up panel)	7	16-Aug-17	22-Aug-17	22-Dec-17	30-Dec-17	100%	0%	-125																													
General BS Installation																																						
Electrical System																																						
AB52450	MEP 1st fix - B1F Sector A	30	23-Aug-17	21-Sep-17	31-Dec-17	30-Jan-18	100%	0%	-125																													
AB52460	MEP 2nd fix - B1F Sector A	45	22-Sep-17	08-Nov-17	31-Jan-18	19-Mar-18	75.56%	0%	-125																													
AB52470	MEP Final fix - B1F Sector A	30	09-Nov-17	08-Dec-17	20-Mar-18	22-Apr-18	0%	0%	-125																													
Plumbing & Drainage																																						
AB52480	P&D 1st fix - B1F Sector A	30	23-Aug-17	21-Sep-17	31-Dec-17	30-Jan-18	100%	0%	-125																													
AB52490	P&D 2nd fix - B1F Sector A	45	22-Sep-17	08-Nov-17	31-Jan-18	19-Mar-18	75.56%	0%	-125																													
AB52500	P&D Final fix - B1F Sector A	30	09-Nov-17	08-Dec-17	20-Mar-18	22-Apr-18	0%	0%	-125																													
FS System																																						
AB52510	FS 1st fix - B1F Sector A	30	23-Aug-17	21-Sep-17	31-Dec-17	30-Jan-18	100%	0%	-125																													
AB52520	FS 2nd fix - B1F Sector A	45	22-Sep-17	08-Nov-17	31-Jan-18	19-Mar-18	75.56%	0%	-125																													
AB52530	FS Final fix - B1F Sector A	30	09-Nov-17	08-Dec-17	20-Mar-18	22-Apr-18	0%	0%	-125																													
HVAC System																																						
AB52540	HVAC 1st fix - B1F Sector A	60	23-Aug-17	23-Oct-17	31-Dec-17	04-Mar-18	100%	0%	-125																													
AB52550	HVAC 2nd fix - B1F Sector A	69	24-Oct-17	04-Jan-18	05-Mar-18	17-May-18	5.8%	0%	-125																													
AB52560	HVAC Final fix - B1F Sector A	30	05-Jan-18	03-Feb-18	18-May-18	17-Jun-18	0%	0%	-125																													
Workshops, Storages & Offices																																						
Property Control Room, Isolation & Treatment																																						
AB13100	Acoustic ceiling framework	14	09-Nov-17	22-Nov-17	20-Mar-18	06-Apr-18	0%	0%	-125																													
AB13110	MEP dropper	7	16-Nov-17	22-Nov-17	27-Mar-18	06-Apr-18	0%	0%	-125																													
AB13120	Acoustic ceiling close-up	14	23-Nov-17	06-Dec-17	07-Apr-18	20-Apr-18	0%	0%	-125																													
AB13130	Application of epoxy paint on wall & sealer on floor	14	07-Dec-17	20-Dec-17	21-Apr-18	05-May-18	0%	0%	-125																													
AB13140	Wall protection & corner guards installation	14	21-Dec-17	06-Jan-18	06-May-18	19-May-18	0%	0%	-125																													
AB13150	Door & ironmongeries installation	7	07-Jan-18	13-Jan-18	20-May-18	27-May-18	0%	0%	-125																													
Moving Equipment Storage, Crate storage, General support storage																																						

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February			
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05				
AB13160	Security shutters installation	14	06-Nov-17	19-Nov-17	15-Mar-18	28-Mar-18	0%	0%	-123																								
AB13170	Skim coat, application of epoxy paint on wall and sealer on soffit and f	14	21-Dec-17	06-Jan-18	06-May-18	19-May-18	0%	0%	-125																								
AB13180	Door & ironmongeries installation	7	07-Jan-18	13-Jan-18	20-May-18	27-May-18	0%	0%	-125																								
Lobby/ Lift Lobby																																	
LT- 14, LT-17 Lift Lobby																																	
AB13250	Fire rated metal ceiling framework	14	09-Nov-17	22-Nov-17	20-Mar-18	06-Apr-18	0%	0%	-125																								
AB13260	MEP dropper	7	16-Nov-17	22-Nov-17	27-Mar-18	06-Apr-18	0%	0%	-125																								
AB13270	Fire rated metal ceiling close-out	7	23-Nov-17	29-Nov-17	07-Apr-18	13-Apr-18	0%	0%	-125																								
AB13280	Application of sealer on wall & floor	14	30-Nov-17	13-Dec-17	14-Apr-18	27-Apr-18	0%	0%	-125																								
AB13290	Door & ironmongeries installation	7	14-Dec-17	20-Dec-17	28-Apr-18	05-May-18	0%	0%	-125																								
Corridors																																	
Corridor along ST-07B																																	
AB13300	Skim coat, application of epoxy paint on wall & sealer on floor	14	14-Dec-17	29-Dec-17	28-Apr-18	12-May-18	0%	0%	-125																								
AB13310	Door & ironmongeries installation	7	30-Dec-17	06-Jan-18	13-May-18	19-May-18	0%	0%	-125																								
B2/F - Zone B1S2 (Sector F)																																	
General Builder's Work																																	
AB15860	Steel Post	7	23-Jun-17	29-Jun-17	05-Nov-17	11-Nov-17	100%	0%	-131																								
AB15870	Blockwall	10	30-Jun-17	10-Jul-17	12-Nov-17	21-Nov-17	100%	0%	-131																								
AB15880	Wall Plastering	14	10-Jul-17	24-Jul-17	21-Nov-17	05-Dec-17	100%	0%	-131																								
AB15890	Floor Screeding	28	17-Jul-17	14-Aug-17	28-Nov-17	28-Dec-17	100%	0%	-131																								
AB15900	Drywall (MEP concealed items, close up panel)	28	14-Aug-17	11-Sep-17	28-Dec-17	26-Jan-18	100%	0%	-131																								
Plantrooms																																	
PAU Room																																	
Builders' Work																																	
AB15910	Sealer on ceiling soffit & application of epoxy paint on wall	7	11-Sep-17	18-Sep-17	26-Jan-18	02-Feb-18	100%	0%	-131																								
BS Installation																																	
AB15920	PAU Room - MEP 2nd fix	14	18-Sep-17	03-Oct-17	02-Feb-18	18-Feb-18	100%	0%	-131																								
AB15930	Install PAU system	30	03-Oct-17	04-Nov-17	18-Feb-18	21-Mar-18	77.33%	0%	-131																								
Final Finishes																																	
AB15940	Final coat of paint on wall	3	04-Nov-17	07-Nov-17	21-Mar-18	24-Mar-18	0%	0%	-131																								
AB15950	Sealer on floor	3	07-Nov-17	10-Nov-17	24-Mar-18	27-Mar-18	0%	0%	-131																								
AB15960	Door & ironmongeries installation	3	10-Nov-17	13-Nov-17	27-Mar-18	01-Apr-18	0%	0%	-131																								
MEP																																	
BS Installation																																	
AB15980	MEP Room - MEP 2nd fix	14	25-Sep-17	11-Oct-17	09-Feb-18	26-Feb-18	100%	0%	-131																								
AB15990	Install MEP system	30	11-Oct-17	11-Nov-17	26-Feb-18	28-Mar-18	54%	0%	-131																								
Final Finishes																																	
AB16000	Final coat of paint on wall	3	11-Nov-17	14-Nov-17	28-Mar-18	03-Apr-18	0%	0%	-131																								
AB16010	Sealer on floor	3	14-Nov-17	17-Nov-17	03-Apr-18	07-Apr-18	0%	0%	-131																								
AB16020	Door & ironmongeries installation	3	17-Nov-17	20-Nov-17	07-Apr-18	10-Apr-18	0%	0%	-131																								
Stair Pressurization Room																																	
Builders' Work																																	
AB16030	Sealer on ceiling soffit & application of epoxy paint on wall	7	25-Sep-17	03-Oct-17	09-Feb-18	18-Feb-18	100%	0%	-131																								
BS Installation																																	
AB16040	Stair Pressurize Room - MEP 2nd fix	14	03-Oct-17	18-Oct-17	18-Feb-18	05-Mar-18	100%	0%	-131																								
AB16050	Access allowed from MEP works	30	18-Oct-17	18-Nov-17	05-Mar-18	08-Apr-18	30.67%	0%	-131																								

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February						
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05							
Final Finishes																																				
AB16060	Final coat of paint on wall	3	18-Nov-17	21-Nov-17	08-Apr-18	11-Apr-18	0%	0%	-131																											
AB16070	Sealer on floor	3	21-Nov-17	24-Nov-17	11-Apr-18	14-Apr-18	0%	0%	-131																											
AB16080	Door & ironmongeries installation	3	24-Nov-17	27-Nov-17	14-Apr-18	17-Apr-18	0%	0%	-131																											
Carpark EAF Room																																				
Builders' Work																																				
AB16090	Sealer on ceiling soffit & application of epoxy paint on wall	7	03-Oct-17	11-Oct-17	18-Feb-18	26-Feb-18	100%	0%	-131																											
BS Installation																																				
AB16100	Carpark EAF - MEP 2nd fix	14	11-Oct-17	25-Oct-17	26-Feb-18	12-Mar-18	100%	0%	-131																											
AB16110	Install EAF System	30	25-Oct-17	25-Nov-17	12-Mar-18	15-Apr-18	7.33%	0%	-131																											
Final Finishes																																				
AB16120	Final coat of paint on wall	3	25-Nov-17	28-Nov-17	15-Apr-18	18-Apr-18	0%	0%	-131																											
AB16130	Sealer on floor	3	28-Nov-17	01-Dec-17	18-Apr-18	21-Apr-18	0%	0%	-131																											
AB16140	Door & ironmongeries installation	3	01-Dec-17	04-Dec-17	21-Apr-18	24-Apr-18	0%	0%	-131																											
Refrigerated Refuse Room																																				
Builders' Work																																				
AB16150	Waterproofing & water test complete (by HCC/ Sunway)	0		25-Oct-17		12-Mar-18	100%	0%	-131																											
AB16160	Protective screeding	7	25-Oct-17	02-Nov-17	12-Mar-18	19-Mar-18	31.43%	0%	-131																											
AB16170	Floor screeding	7	02-Nov-17	09-Nov-17	19-Mar-18	26-Mar-18	0%	0%	-131																											
AB16180	Tiling on Wall & floor	14	09-Nov-17	23-Nov-17	26-Mar-18	13-Apr-18	0%	0%	-131																											
AB16190	Application of sealer on soffit	3	23-Nov-17	26-Nov-17	13-Apr-18	16-Apr-18	0%	0%	-131																											
BS Installation																																				
AB16200	Refrigerated Refuse - MEP 2nd fix	14	26-Nov-17	10-Dec-17	16-Apr-18	30-Apr-18	0%	0%	-131																											
AB16210	Install Refrigerated Refuse	30	26-Nov-17	28-Dec-17	16-Apr-18	17-May-18	0%	0%	-131																											
Final Finishes																																				
AB16220	Wall protection & corner guards installation	3	28-Dec-17	31-Dec-17	17-May-18	20-May-18	0%	0%	-131																											
AB16230	Door & ironmongeries installation	3	31-Dec-17	04-Jan-18	20-May-18	24-May-18	0%	0%	-131																											
CSF Water Pump Room																																				
Builder's Work																																				
AB16240	Concrete plinth and waterproofing & water test complete (by others)	0		02-Nov-17		19-Mar-18	0%	0%	-131																											
AB16250	Floor Screeding & wall rendering	7	02-Nov-17	09-Nov-17	19-Mar-18	26-Mar-18	0%	0%	-131																											
AB16260	Sealer on ceiling soffit & application of epoxy paint on wall	7	09-Nov-17	16-Nov-17	26-Mar-18	06-Apr-18	0%	0%	-131																											
BS Installation																																				
AB16270	CSF Water Pump Room - MEP 2nd fix	14	16-Nov-17	30-Nov-17	06-Apr-18	20-Apr-18	0%	0%	-131																											
AB16280	Install pump set & SAT	60	30-Nov-17	01-Feb-18	20-Apr-18	22-Jun-18	0%	0%	-131																											
General BS Installation																																				
Electrical System																																				
AB52680	MEP 1st fix - B2F Sector F	30	14-Aug-17	13-Sep-17	28-Dec-17	28-Jan-18	100%	0%	-131																											
AB52690	MEP 2nd fix - B2F Sector F	45	13-Sep-17	31-Oct-17	28-Jan-18	17-Mar-18	93.78%	0%	-131																											
AB52700	MEP Final fix - B2F Sector F	30	31-Oct-17	30-Nov-17	17-Mar-18	20-Apr-18	0%	0%	-131																											
Plumbing & Drainage																																				
AB52710	P&D 1st fix - B2F Sector F	30	14-Aug-17	13-Sep-17	28-Dec-17	28-Jan-18	100%	0%	-131																											
AB52720	P&D 2nd fix - B2F Sector F	45	13-Sep-17	31-Oct-17	28-Jan-18	17-Mar-18	93.78%	0%	-131																											
AB52730	P&D Final fix - B2F Sector F	30	31-Oct-17	30-Nov-17	17-Mar-18	20-Apr-18	0%	0%	-131																											
FS System																																				
AB52740	FS 1st fix - B2F Sector F	30	14-Aug-17	13-Sep-17	28-Dec-17	28-Jan-18	100%	0%	-131																											

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27				January 28				February 29								
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05							
AB52750	FS 2nd fix - B2F Sector F	45	13-Sep-17	31-Oct-17	28-Jan-18	17-Mar-18	93.78%	0%	-131																											
AB52760	FS Final fix - B2F Sector F	30	31-Oct-17	30-Nov-17	17-Mar-18	20-Apr-18	0%	0%	-131																											
HVAC System																																				
AB52770	HVAC 1st fix - B2F Sector F	60	14-Aug-17	15-Oct-17	28-Dec-17	02-Mar-18	100%	0%	-131																											
AB52780	HVAC 2nd fix - B2F Sector F	69	15-Oct-17	24-Dec-17	02-Mar-18	15-May-18	17.68%	0%	-131																											
AB52790	HVAC Final fix - B2F Sector F	30	24-Dec-17	26-Jan-18	15-May-18	15-Jun-18	0%	0%	-131																											
Workshops, Storages & Offices																																				
Refuse Room, Recycling Room																																				
AB16320	Waterproofing works & water test	12	11-Sep-17	23-Sep-17	26-Jan-18	07-Feb-18	100%	0%	-131																											
AB16330	Protective screeding	7	23-Sep-17	30-Sep-17	07-Feb-18	14-Feb-18	100%	0%	-131																											
AB16340	Floor screeding	7	30-Sep-17	09-Oct-17	14-Feb-18	24-Feb-18	100%	0%	-131																											
AB16350	Tiling on Wall & floor	14	09-Oct-17	23-Oct-17	24-Feb-18	10-Mar-18	100%	0%	-131																											
AB16360	Application of sealer on soffit	7	23-Oct-17	31-Oct-17	10-Mar-18	17-Mar-18	60%	0%	-131																											
AB16370	Wall protection & corner guards installation	7	31-Oct-17	07-Nov-17	17-Mar-18	24-Mar-18	0%	0%	-131																											
AB16380	Door & ironmongeries installation	7	07-Nov-17	14-Nov-17	24-Mar-18	03-Apr-18	0%	0%	-131																											
Delivery Management Office, RDE Staff Lockers, Property Management Room																																				
AB16400	Acoustic ceiling framework	21	03-Dec-17	23-Dec-17	20-May-18	10-Jun-18	0%	0%	-157																											
AB16410	MEP dropper	7	17-Dec-17	23-Dec-17	04-Jun-18	10-Jun-18	0%	0%	-157																											
AB16420	Acoustic ceiling close-up	14	24-Dec-17	09-Jan-18	11-Jun-18	25-Jun-18	0%	0%	-157																											
AB16430	Application of epoxy paint on wall and sealer on floor	14	10-Jan-18	23-Jan-18	26-Jun-18	10-Jul-18	0%	0%	-157																											
AB16440	Door & ironmongeries installation	7	24-Jan-18	30-Jan-18	11-Jul-18	17-Jul-18	0%	0%	-157																											
Collections Packing Supplies, Crating/ Uncrating, Transit Storage 1																																				
AB16450	Application of epoxy paint on wall and sealer on soffit and floor	7	24-Jan-18	30-Jan-18	11-Jul-18	17-Jul-18	0%	0%	-157																											
Toilets																																				
Unisex Toilet																																				
AB16480	Waterproofing works & water test	12	12-Jan-18	23-Jan-18	02-Jun-18	13-Jun-18	0%	0%	-132																											
AB16490	Protective screeding	1	24-Jan-18	24-Jan-18	14-Jun-18	14-Jun-18	0%	0%	-132																											
AB16500	Floor screeding	1	25-Jan-18	25-Jan-18	15-Jun-18	15-Jun-18	0%	0%	-132																											
AB16510	Steel frame for vanity counter	1	26-Jan-18	26-Jan-18	16-Jun-18	16-Jun-18	0%	0%	-132																											
AB16520	Gypsum/ cement board ceiling framework	2	27-Jan-18	28-Jan-18	17-Jun-18	19-Jun-18	0%	0%	-132																											
B2/F - Zone B1U2 (Sector G)																																				
Plantrooms																																				
RDE Potable Water Tank Room																																				
AB14300	Waterproofing works & water test	12	26-Jun-17	08-Jul-17	04-Nov-17	15-Nov-17	100%	0%	-127																											
AB14310	Plastering work (inside tank)	10	09-Jul-17	18-Jul-17	16-Nov-17	25-Nov-17	100%	0%	-127																											
AB14320	Wall & floor tiling	14	19-Jul-17	01-Aug-17	26-Nov-17	09-Dec-17	100%	0%	-127																											
AB14330	Application of sealer on soffit (outside tank)	7	02-Aug-17	08-Aug-17	10-Dec-17	16-Dec-17	100%	0%	-127																											
AB14340	Cat ladder	7	09-Aug-17	15-Aug-17	17-Dec-17	23-Dec-17	100%	0%	-127																											
AB14350	Hatch cover	7	16-Aug-17	22-Aug-17	24-Dec-17	02-Jan-18	100%	0%	-127																											
Heat Exchanger Room																																				
Builders' Work																																				
AB14220	Concrete plinth and waterproofing works	12	07-Jun-17	18-Jun-17	26-Aug-17 A	04-Nov-17	100%	40%	-135																											
AB14230	Floor Screeding & wall rendering	7	19-Jun-17	25-Jun-17	14-Sep-17 A	03-Nov-17	100%	15%	-127																											
AB14240	Sealer on ceiling soffit & application of epoxy paint on wall	14	26-Jun-17	10-Jul-17	04-Nov-17	17-Nov-17	100%	0%	-127																											
BS Installation																																				
AB14250	Heat Exchanger Room - MEP 2nd fix	15	11-Jul-17	25-Jul-17	18-Nov-17	02-Dec-17	100%	0%	-127																											

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
AB14260	Install heat exchanger	30	26-Jul-17	24-Aug-17	03-Dec-17	04-Jan-18	100%	0%	-127																														
Final Finishes																																							
AB14270	Final coat of paint on wall	3	25-Aug-17	27-Aug-17	05-Jan-18	07-Jan-18	100%	0%	-127																														
AB14280	Sealer on floor	3	28-Aug-17	30-Aug-17	08-Jan-18	10-Jan-18	100%	0%	-127																														
AB14290	Door & ironmongeries installation	3	01-Sep-17	03-Sep-17	11-Jan-18	13-Jan-18	100%	0%	-126																														
ELE Room																																							
Builders' Work																																							
AB14370	Sealer on ceiling soffit & application of epoxy paint on wall	7	09-Aug-17	15-Aug-17	17-Dec-17	23-Dec-17	100%	0%	-127																														
BS Installation																																							
AB14380	ELE Room - MEP 2nd fix	14	16-Aug-17	29-Aug-17	24-Dec-17	09-Jan-18	100%	0%	-127																														
AB14390	Install ELE system	30	30-Aug-17	28-Sep-17	10-Jan-18	08-Feb-18	100%	0%	-127																														
Final Finishes																																							
AB14400	Final coat of paint on wall	3	29-Sep-17	01-Oct-17	09-Feb-18	11-Feb-18	100%	0%	-127																														
AB14410	Sealer on floor	3	03-Oct-17	06-Oct-17	12-Feb-18	14-Feb-18	100%	0%	-127																														
AB14420	Door & ironmongeries installation	3	07-Oct-17	09-Oct-17	15-Feb-18	20-Feb-18	100%	0%	-127																														
Grease Trap Room																																							
Builders' Work																																							
AB14430	Concrete plinth and waterproofing works	12	16-Aug-17	27-Aug-17	24-Dec-17	07-Jan-18	100%	0%	-127																														
AB14440	Floor Screeding & wall rendering	7	28-Aug-17	03-Sep-17	08-Jan-18	14-Jan-18	100%	0%	-127																														
AB14450	Sealer on ceiling soffit & application of epoxy paint on wall	14	04-Sep-17	17-Sep-17	15-Jan-18	28-Jan-18	100%	0%	-127																														
BS Installation																																							
AB14460	Grease Trap Room - MEP 2nd fix	14	18-Sep-17	01-Oct-17	29-Jan-18	11-Feb-18	100%	0%	-127																														
AB14470	Install pipes & SST tanks	30	03-Oct-17	03-Nov-17	12-Feb-18	16-Mar-18	80%	0%	-127																														
Final Finishes																																							
AB14480	Final coat of paint on wall	3	04-Nov-17	06-Nov-17	17-Mar-18	19-Mar-18	0%	0%	-127																														
AB14490	Sealer on floor	3	07-Nov-17	09-Nov-17	20-Mar-18	22-Mar-18	0%	0%	-127																														
AB14500	Door & ironmongeries installation	3	10-Nov-17	12-Nov-17	23-Mar-18	25-Mar-18	0%	0%	-127																														
CSF IR/ RW Tank & Pump Room																																							
Builders' Work																																							
AB14510	Concrete plinth and waterproofing works	12	04-Sep-17	15-Sep-17	15-Jan-18	26-Jan-18	100%	0%	-127																														
AB14520	Floor Screeding & wall rendering	7	16-Sep-17	22-Sep-17	27-Jan-18	02-Feb-18	100%	0%	-127																														
AB14530	Sealer on ceiling soffit & application of epoxy paint on wall	14	23-Sep-17	08-Oct-17	03-Feb-18	18-Feb-18	100%	0%	-127																														
BS Installation																																							
AB14540	CSF Tank & Pump Room - MEP 2nd fix	14	09-Oct-17	22-Oct-17	20-Feb-18	05-Mar-18	100%	0%	-127																														
AB14550	Install water pump set & SAT	60	23-Oct-17	22-Dec-17	06-Mar-18	09-May-18	8.33%	0%	-127																														
Final Finishes																																							
AB14560	Final coat of paint on wall	3	23-Dec-17	27-Dec-17	10-May-18	12-May-18	0%	0%	-127																														
AB14570	Sealer on floor	3	28-Dec-17	30-Dec-17	13-May-18	15-May-18	0%	0%	-127																														
AB14580	Door & ironmongeries installation	3	31-Dec-17	03-Jan-18	16-May-18	18-May-18	0%	0%	-127																														
RDE FS Tank Pump Room																																							
Builders' Work																																							
AB14590	Concrete plinth and waterproofing works	12	23-Sep-17	06-Oct-17	03-Feb-18	14-Feb-18	100%	0%	-127																														
AB14600	Floor Screeding & wall rendering	7	07-Oct-17	13-Oct-17	15-Feb-18	24-Feb-18	100%	0%	-127																														
AB14610	Sealer on ceiling soffit & application of epoxy paint on wall	7	14-Oct-17	20-Oct-17	25-Feb-18	03-Mar-18	100%	0%	-127																														
BS Installation																																							
AB14620	RDE FS Pump Room - MEP 2nd fix	14	21-Oct-17	04-Nov-17	04-Mar-18	17-Mar-18	50%	0%	-127																														

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
AB14630	Install FS Pump set & SAT	60	05-Nov-17	06-Jan-18	18-Mar-18	21-May-18	0%	0%	-127																														
Final Finishes																																							
AB14640	Final coat of paint on ceiling & wall	3	07-Jan-18	09-Jan-18	23-May-18	25-May-18	0%	0%	-127																														
AB14650	Sealer on floor	3	10-Jan-18	12-Jan-18	26-May-18	28-May-18	0%	0%	-127																														
AB14660	Door & ironmongeries installation	3	13-Jan-18	15-Jan-18	29-May-18	31-May-18	0%	0%	-127																														
Chilled Water Pump Room																																							
Builders' Work																																							
AB14670	Concrete plinth and waterproofing works	12	07-Oct-17	18-Oct-17	15-Feb-18	01-Mar-18	100%	0%	-127																														
AB14680	Floor Screeding & wall rendering	7	19-Oct-17	25-Oct-17	02-Mar-18	08-Mar-18	100%	0%	-127																														
AB14690	Sealer on ceiling soffit & application of epoxy paint on wall	7	26-Oct-17	02-Nov-17	09-Mar-18	15-Mar-18	28.57%	0%	-127																														
BS Installation																																							
AB14700	Chilled Water Pump Room - MEP 2nd fix	14	03-Nov-17	16-Nov-17	16-Mar-18	29-Mar-18	0%	0%	-127																														
AB14710	Install Chilled water pump set & SAT	60	17-Nov-17	18-Jan-18	01-Apr-18	03-Jun-18	0%	0%	-127																														
Final Finishes																																							
AB14720	Final coat of paint on ceiling & wall	3	19-Jan-18	21-Jan-18	04-Jun-18	06-Jun-18	0%	0%	-127																														
AB14730	Sealer on floor	3	22-Jan-18	24-Jan-18	07-Jun-18	09-Jun-18	0%	0%	-127																														
AB14740	Door & ironmongeries installation	3	25-Jan-18	27-Jan-18	10-Jun-18	12-Jun-18	0%	0%	-127																														
RDE E202 TBE Room																																							
Builders' Work																																							
AB14750	Sealer on ceiling soffit & application of epoxy paint on wall	7	03-Nov-17	09-Nov-17	16-Mar-18	22-Mar-18	0%	0%	-127																														
BS Installation																																							
AB14760	RDE E202 TBE - MEP 2nd fix	15	10-Nov-17	24-Nov-17	23-Mar-18	10-Apr-18	0%	0%	-127																														
AB14770	Install TBE system	30	09-Dec-17	10-Jan-18	25-Apr-18	26-May-18	0%	0%	-127																														
Final Finishes																																							
AB14780	Final coat of paint on ceiling & wall	3	11-Jan-18	13-Jan-18	27-May-18	29-May-18	0%	0%	-127																														
AB14790	Sealer on floor	3	14-Jan-18	16-Jan-18	30-May-18	01-Jun-18	0%	0%	-127																														
Mobile Equipment Room																																							
Builders' Work																																							
AB14810	Sealer on ceiling soffit & application of epoxy paint on wall	7	10-Nov-17	16-Nov-17	23-Mar-18	29-Mar-18	0%	0%	-127																														
BS Installation																																							
AB14820	Mobile Equipment Room - MEP 2nd fix	14	17-Nov-17	30-Nov-17	01-Apr-18	16-Apr-18	0%	0%	-127																														
AB14830	Mobile Equipment Room - MEP final fix	14	01-Dec-17	14-Dec-17	17-Apr-18	30-Apr-18	0%	0%	-127																														
Final Finishes																																							
AB14840	Final coat of paint on ceiling & wall	3	15-Dec-17	17-Dec-17	02-May-18	04-May-18	0%	0%	-127																														
AB14850	Sealer on floor	3	18-Dec-17	20-Dec-17	05-May-18	07-May-18	0%	0%	-127																														
E203 RDE Local ICT Room																																							
Builders' Work																																							
AB14870	Sealer on ceiling soffit & application of epoxy paint on wall	7	17-Nov-17	23-Nov-17	01-Apr-18	09-Apr-18	0%	0%	-127																														
BS Installation																																							
AB14880	E203 RDE Local ICT Room - MEP 2nd fix	14	24-Nov-17	07-Dec-17	10-Apr-18	23-Apr-18	0%	0%	-127																														
AB14890	E203 RDE Local ICT Room - MEP final fix	14	08-Dec-17	21-Dec-17	24-Apr-18	08-May-18	0%	0%	-127																														
Final Finishes																																							
AB14900	Final coat of paint on wall	3	22-Dec-17	24-Dec-17	09-May-18	11-May-18	0%	0%	-127																														
AB14910	Sealer on floor	3	27-Dec-17	29-Dec-17	12-May-18	14-May-18	0%	0%	-127																														
ELV																																							
Builders' Work																																							

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December				January				February										
										25	26	27	28	29	30	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
HVAC System																																						
AB53010	HVAC 1st fix - B1F Sector A	60	30-Sep-17	01-Dec-17	24-Dec-17	27-Feb-18	43.33%	0%	-82	[Gantt bar: 24-Dec-17 to 27-Feb-18]																												
AB53020	HVAC 2nd fix - B1F Sector A	65	02-Dec-17	07-Feb-18	28-Feb-18	08-May-18	0%	0%	-82	[Gantt bar: 07-Feb-18 to 08-May-18]																												
Plantrooms																																						
MEP																																						
AB19180	Sealer on ceiling soffit & application of epoxy paint on wall	7	17-Dec-17	23-Dec-17	15-Mar-18	21-Mar-18	0%	0%	-82	[Gantt bar: 15-Mar-18 to 21-Mar-18]																												
BS Installation																																						
AB19190	MEP Room - MEP 2nd fix	14	24-Dec-17	09-Jan-18	22-Mar-18	08-Apr-18	0%	0%	-82	[Gantt bar: 09-Jan-18 to 08-Apr-18]																												
AB19200	MEP Room - Install MEP system	30	10-Jan-18	08-Feb-18	09-Apr-18	09-May-18	0%	0%	-82	[Gantt bar: 08-Feb-18 to 09-May-18]																												
Network Operation Centre																																						
AB19250	Acoustic ceiling framework	7	17-Dec-17	23-Dec-17	15-Mar-18	21-Mar-18	0%	0%	-82	[Gantt bar: 15-Mar-18 to 21-Mar-18]																												
AB19260	Skim coat, application of epoxy paint on wall	4	24-Dec-17	29-Dec-17	22-Mar-18	25-Mar-18	0%	0%	-82	[Gantt bar: 22-Mar-18 to 25-Mar-18]																												
BS Installation																																						
AB19270	Network Operation Centre - MEP 2nd fix	21	30-Dec-17	20-Jan-18	26-Mar-18	19-Apr-18	0%	0%	-82	[Gantt bar: 20-Jan-18 to 19-Apr-18]																												
AB19280	Network Operation Centre - MEP Final fix	21	07-Jan-18	27-Jan-18	06-Apr-18	26-Apr-18	0%	0%	-82	[Gantt bar: 27-Jan-18 to 26-Apr-18]																												
Central Control Equipment Room																																						
AB19330	Acoustic ceiling framework	7	17-Dec-17	23-Dec-17	15-Mar-18	21-Mar-18	0%	0%	-82	[Gantt bar: 15-Mar-18 to 21-Mar-18]																												
AB19340	Skim coat, application of epoxy paint on wall	4	24-Dec-17	29-Dec-17	22-Mar-18	25-Mar-18	0%	0%	-82	[Gantt bar: 22-Mar-18 to 25-Mar-18]																												
BS Installation																																						
AB19350	Central Control Equipment Room - MEP 2nd fix	21	30-Dec-17	20-Jan-18	26-Mar-18	19-Apr-18	0%	0%	-82	[Gantt bar: 20-Jan-18 to 19-Apr-18]																												
AB19360	Central Control Equipment Room - MEP final fix	21	07-Jan-18	27-Jan-18	06-Apr-18	26-Apr-18	0%	0%	-82	[Gantt bar: 27-Jan-18 to 26-Apr-18]																												
Central Control Centre																																						
AB19410	Acoustic ceiling framework	7	17-Dec-17	23-Dec-17	15-Mar-18	21-Mar-18	0%	0%	-82	[Gantt bar: 15-Mar-18 to 21-Mar-18]																												
AB19420	Skim coat, application of epoxy paint on wall	4	24-Dec-17	29-Dec-17	22-Mar-18	25-Mar-18	0%	0%	-82	[Gantt bar: 22-Mar-18 to 25-Mar-18]																												
BS Installation																																						
AB19430	Central Control Centre - MEP 2nd fix	21	30-Dec-17	20-Jan-18	26-Mar-18	19-Apr-18	0%	0%	-82	[Gantt bar: 20-Jan-18 to 19-Apr-18]																												
AB19440	Central Control Centre - MEP final fix	21	07-Jan-18	27-Jan-18	06-Apr-18	26-Apr-18	0%	0%	-82	[Gantt bar: 27-Jan-18 to 26-Apr-18]																												
Workshops, Storages & Offices																																						
Catering Cable & Chair Storage																																						
AB19480	Skim coat, application of epoxy paint on wall and sealer on soffit & floor	14	28-Nov-17	11-Dec-17	24-Feb-18	09-Mar-18	0%	0%	-82	[Gantt bar: 11-Dec-17 to 09-Mar-18]																												
AB19490	Door & ironmongeries installation	56	12-Dec-17	08-Feb-18	10-Mar-18	09-May-18	0%	0%	-82	[Gantt bar: 08-Feb-18 to 09-May-18]																												
General Storage, Events Storage, Office Supply Storage																																						
AB19500	Construction of maintenance platform at General Storage	48	07-Nov-17	24-Dec-17	31-Jan-18	22-Mar-18	0%	0%	-82	[Gantt bar: 24-Dec-17 to 22-Mar-18]																												
AB19510	Skim coat, application of epoxy paint on wall, sealer on soffit and floor	14	27-Dec-17	10-Jan-18	23-Mar-18	09-Apr-18	0%	0%	-82	[Gantt bar: 10-Jan-18 to 09-Apr-18]																												
AB19520	Door & ironmongeries installation	14	11-Jan-18	24-Jan-18	10-Apr-18	23-Apr-18	0%	0%	-82	[Gantt bar: 24-Jan-18 to 23-Apr-18]																												
Cash Room 1, Cash Room 2, Duty Manager's Room																																						
AB19540	Acoustic ceiling framework	14	17-Dec-17	02-Jan-18	15-Mar-18	28-Mar-18	0%	0%	-82	[Gantt bar: 02-Jan-18 to 28-Mar-18]																												
AB19550	MEP dropper	7	24-Dec-17	02-Jan-18	22-Mar-18	28-Mar-18	0%	0%	-82	[Gantt bar: 02-Jan-18 to 28-Mar-18]																												
AB19560	Acoustic ceiling close-up	7	03-Jan-18	09-Jan-18	29-Mar-18	08-Apr-18	0%	0%	-82	[Gantt bar: 09-Jan-18 to 08-Apr-18]																												
AB19570	Skim coat, application of epoxy paint on wall and sealer on floor	14	10-Jan-18	23-Jan-18	09-Apr-18	22-Apr-18	0%	0%	-82	[Gantt bar: 23-Jan-18 to 22-Apr-18]																												
AB19580	Door & ironmongeries installation	14	24-Jan-18	06-Feb-18	23-Apr-18	07-May-18	0%	0%	-82	[Gantt bar: 06-Feb-18 to 07-May-18]																												
First Aid Station																																						
AB19600	MR ceiling framework	14	17-Dec-17	02-Jan-18	15-Mar-18	28-Mar-18	0%	0%	-82	[Gantt bar: 02-Jan-18 to 28-Mar-18]																												
AB19610	MEP dropper	7	24-Dec-17	02-Jan-18	22-Mar-18	28-Mar-18	0%	0%	-82	[Gantt bar: 02-Jan-18 to 28-Mar-18]																												
AB19620	MR ceiling close-out	7	03-Jan-18	09-Jan-18	29-Mar-18	08-Apr-18	0%	0%	-82	[Gantt bar: 09-Jan-18 to 08-Apr-18]																												
AB19630	Taping & jointing and painting on wall and ceiling	14	10-Jan-18	23-Jan-18	09-Apr-18	22-Apr-18	0%	0%	-82	[Gantt bar: 23-Jan-18 to 22-Apr-18]																												

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0,D5 Start	CMWP -R0,D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27				January 28			February 29		
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05
AB19640	Door & ironmongeries installation	7	24-Jan-18	30-Jan-18	23-Apr-18	29-Apr-18	0%	0%	-82																				
Museum Cafe 1 (Concern Area 4)																													
AB50710	Expanded metal ceiling framework	28	17-Dec-17	16-Jan-18	15-Mar-18	15-Apr-18	0%	0%	-82																				
AB50720	MEP dropper	7	17-Jan-18	23-Jan-18	16-Apr-18	22-Apr-18	0%	0%	-82																				
AB50730	Skim coat, sealer on wall	7	24-Jan-18	30-Jan-18	23-Apr-18	29-Apr-18	0%	0%	-82																				
Kitchen																													
Catering Kitchen																													
AB19660	Waterproofing works	14	17-Dec-17	02-Jan-18	15-Mar-18	28-Mar-18	0%	0%	-82																				
AB19670	Protection screeding	7	03-Jan-18	09-Jan-18	29-Mar-18	08-Apr-18	0%	0%	-82																				
AB19680	Wall plastering & floorscreeding	14	10-Jan-18	23-Jan-18	09-Apr-18	22-Apr-18	0%	0%	-82																				
AB19690	Wall & floor tiling	10	24-Jan-18	02-Feb-18	23-Apr-18	03-May-18	0%	0%	-82																				
Cafe Kitchen & Corridor (Late access)																													
AB19740	Waterproofing works	14	17-Dec-17	02-Jan-18	15-Mar-18	28-Mar-18	0%	0%	-82																				
AB19750	Protection screeding	7	03-Jan-18	09-Jan-18	29-Mar-18	08-Apr-18	0%	0%	-82																				
AB19760	Wall plastering & floorscreeding	14	10-Jan-18	23-Jan-18	09-Apr-18	22-Apr-18	0%	0%	-82																				
AB19770	Wall & floor tiling	28	24-Jan-18	23-Feb-18	23-Apr-18	21-May-18	0%	0%	-82																				
Lobby/ Lift Lobby																													
LT-21 Lift Lobby																													
AB20070	Fire rated metal ceiling framework	21	17-Dec-17	09-Jan-18	15-Mar-18	08-Apr-18	0%	0%	-82																				
AB20080	MEP dropper	7	10-Jan-18	16-Jan-18	09-Apr-18	15-Apr-18	0%	0%	-82																				
AB20090	Fire rated metal ceiling close-up	14	17-Jan-18	30-Jan-18	16-Apr-18	29-Apr-18	0%	0%	-82																				
Corridors																													
Corridors (BOH)																													
AB20130	Fire rated metal ceiling framework	14	17-Dec-17	02-Jan-18	15-Mar-18	28-Mar-18	0%	0%	-82																				
AB20140	MEP dropper	7	24-Dec-17	02-Jan-18	22-Mar-18	28-Mar-18	0%	0%	-82																				
AB20150	Fire rated metal ceiling close-up	10	03-Jan-18	12-Jan-18	29-Mar-18	11-Apr-18	0%	0%	-82																				
AB20160	Application of sealer on wall and floor	14	13-Jan-18	26-Jan-18	12-Apr-18	25-Apr-18	0%	0%	-82																				
AB20170	Door & ironmongeries installation	7	27-Jan-18	02-Feb-18	26-Apr-18	03-May-18	0%	0%	-82																				
B1/F - Zone H, Zone G, Zone J, Zone K & Zone L (Sector B)																													
Plantrooms																													
Transformer Room C																													
Builders' Work																													
AB21130	Construct plinth	5	29-Sep-17	04-Oct-17	17-Jan-18	21-Jan-18	100%	0%	-104																				
AB21140	Wall rendering	9	06-Oct-17	14-Oct-17	22-Jan-18	30-Jan-18	100%	0%	-104																				
AB21150	Wall tiling (1.5m high)	10	15-Oct-17	24-Oct-17	31-Jan-18	09-Feb-18	100%	0%	-104																				
AB21160	Floor screeding	6	25-Oct-17	31-Oct-17	10-Feb-18	15-Feb-18	50%	0%	-104																				
AB21170	Installation of cable trench cover	3	01-Nov-17	03-Nov-17	18-Feb-18	21-Feb-18	0%	0%	-104																				
AB21180	Sealer on ceiling soffit & application of epoxy paint on wall	6	04-Nov-17	09-Nov-17	22-Feb-18	27-Feb-18	0%	0%	-104																				
BS Installation																													
AB21190	Transformer Room C - MEP 2nd fix	30	10-Nov-17	09-Dec-17	28-Feb-18	29-Mar-18	0%	0%	-104																				
AB21200	Inspection by CLP	14	10-Dec-17	23-Dec-17	01-Apr-18	16-Apr-18	0%	0%	-104																				
AB21205	H/O TX Room C to CLP	0	02-Jan-18		23-May-18		0%	0%	-132																				
AB53160	CLP Installation for TX Room C	60	02-Jan-18	05-Mar-18	23-May-18	23-Jul-18	0%	0%	-132																				
AHU Room																													
Builders' Work																													
AB53180	Steel Post	7	29-Sep-17	07-Oct-17	17-Jan-18	23-Jan-18	100%	0%	-104																				

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November				December				January		February													
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05									
AB53190	Blockwall	14	08-Oct-17	21-Oct-17	24-Jan-18	06-Feb-18	100%	0%	-104																													
AB53200	Wall Plastering	14	22-Oct-17	05-Nov-17	07-Feb-18	23-Feb-18	42.86%	0%	-104																													
AB53210	Floor Screeding	10	06-Nov-17	15-Nov-17	24-Feb-18	05-Mar-18	0%	0%	-104																													
AB53220	Sealer on ceiling soffit & application of epoxy paint on wall	7	16-Nov-17	22-Nov-17	06-Mar-18	12-Mar-18	0%	0%	-104																													
BS Installation																																						
AB21240	AHU Room - MEP 2nd fix	14	23-Nov-17	06-Dec-17	13-Mar-18	26-Mar-18	0%	0%	-104																													
AB21250	AHU Room - Install AHU system	30	07-Dec-17	08-Jan-18	27-Mar-18	29-Apr-18	0%	0%	-104																													
Final Finishes																																						
AB21260	Final coat of paint on wall	3	09-Jan-18	11-Jan-18	30-Apr-18	03-May-18	0%	0%	-104																													
AB21270	Sealer on floor	3	12-Jan-18	14-Jan-18	04-May-18	06-May-18	0%	0%	-104																													
ELV																																						
Builders' Work																																						
AB53230	Steel Post	7	29-Sep-17	07-Oct-17	17-Jan-18	23-Jan-18	100%	0%	-104																													
AB53240	Blockwall	7	08-Oct-17	14-Oct-17	21-Oct-17 A	03-Nov-17	100%	30%	-19																													
AB53250	Wall Plastering	7	15-Oct-17	21-Oct-17	04-Nov-17	10-Nov-17	100%	0%	-19																													
AB53260	Floor Screeding	10	22-Oct-17	01-Nov-17	11-Nov-17	20-Nov-17	60%	0%	-19																													
AB53270	Sealer on ceiling soffit & application of epoxy paint on wall	7	02-Nov-17	08-Nov-17	21-Nov-17	27-Nov-17	0%	0%	-19																													
BS Installation																																						
AB21300	ELV Room - MEP 2nd fix	14	09-Nov-17	22-Nov-17	28-Nov-17	11-Dec-17	0%	0%	-19																													
AB21310	ELV Room - Install ELV system	30	23-Nov-17	22-Dec-17	12-Dec-17	13-Jan-18	0%	0%	-19																													
Final Finishes																																						
AB21320	Final coat of paint on ceiling & wall	3	23-Dec-17	27-Dec-17	14-Jan-18	16-Jan-18	0%	0%	-19																													
AB21330	Sealer on floor	3	28-Dec-17	30-Dec-17	17-Jan-18	19-Jan-18	0%	0%	-19																													
ICT																																						
Builders' Work																																						
AB53280	Steel Post	7	29-Sep-17	07-Oct-17	17-Jan-18	23-Jan-18	100%	0%	-104																													
AB53290	Blockwall	7	08-Oct-17	14-Oct-17	21-Oct-17 A	03-Nov-17	100%	0%	-19																													
AB53300	Wall Plastering	7	15-Oct-17	21-Oct-17	04-Nov-17	10-Nov-17	100%	0%	-19																													
AB53310	Floor Screeding	10	22-Oct-17	01-Nov-17	11-Nov-17	20-Nov-17	60%	0%	-19																													
AB53320	Sealer on ceiling soffit & application of epoxy paint on wall	7	09-Nov-17	15-Nov-17	28-Nov-17	04-Dec-17	0%	0%	-19																													
BS Installation																																						
AB21360	ICT Room - MEP 2nd fix	14	16-Nov-17	29-Nov-17	05-Dec-17	18-Dec-17	0%	0%	-19																													
AB21370	ICT Room - MEP final fix	14	30-Nov-17	13-Dec-17	19-Dec-17	04-Jan-18	0%	0%	-19																													
Final Finishes																																						
AB21380	Final coat of paint on wall	3	14-Dec-17	16-Dec-17	05-Jan-18	07-Jan-18	0%	0%	-19																													
AB21390	Sealer on floor	3	17-Dec-17	19-Dec-17	08-Jan-18	10-Jan-18	0%	0%	-19																													
ELV Lead-in Room																																						
Builders' Work																																						
AB53330	Steel Post	7	29-Sep-17	07-Oct-17	17-Jan-18	23-Jan-18	100%	0%	-104																													
AB53340	Blockwall	7	08-Oct-17	14-Oct-17	24-Jan-18	30-Jan-18	100%	0%	-104																													
AB53350	Wall Plastering	7	15-Oct-17	21-Oct-17	31-Jan-18	06-Feb-18	100%	0%	-104																													
AB53360	Floor Screeding	10	22-Oct-17	01-Nov-17	07-Feb-18	18-Feb-18	60%	0%	-104																													
AB53370	Sealer on ceiling soffit & application of epoxy paint on wall	7	02-Nov-17	08-Nov-17	20-Feb-18	26-Feb-18	0%	0%	-104																													
BS Installation																																						
AB21420	ELV Lead-in Room - MEP 2nd fix	14	09-Nov-17	22-Nov-17	27-Feb-18	12-Mar-18	0%	0%	-104																													
AB21430	ELV Lead-in Room - MEP final fix	14	23-Nov-17	06-Dec-17	13-Mar-18	26-Mar-18	0%	0%	-104																													

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	
Final Finishes																														
AB21440	Final coat of paint on wall	3	07-Dec-17	09-Dec-17	27-Mar-18	29-Mar-18	0%	0%	-104																					
AB21450	Sealer on floor	3	10-Dec-17	12-Dec-17	01-Apr-18	04-Apr-18	0%	0%	-104																					
B1/F - Zone A1, Zone A4 & Zone A5 (Sector C)																														
Plantrooms																														
Transformer Room B																														
Builders' Work																														
AB16680	Construct plinth	5	20-May-17	24-May-17	29-Oct-17	02-Nov-17	100%	0%	-157																					
AB16720	Installation of cable trench cover	10	09-Jun-17	18-Jun-17	04-Sep-17 A	07-Oct-17 A	100%	100%	-108																					
BS Installation																														
AB16740	Transformer Room B - MEP 2nd fix	16	15-May-17	31-May-17	15-May-17 A	07-Nov-17	100%	85%	-156																					
AB16750	Inspection by CLP	14	01-Jun-17	14-Jun-17	08-Nov-17	21-Nov-17	100%	0%	-156																					
AB53500	H/O TX Room B to CLP	0	15-Jun-17		22-Nov-17		100%	0%	-156	◆ H/O TX Room B to CLP 22-Nov-17																				
AB53510	CLP Installation for TX Room B	90	15-Jun-17	13-Sep-17	22-Nov-17	25-Feb-18	100%	0%	-156																					
Final Finishes																														
AB16770	Door & ironmongeries installation	3	24-Sep-17	26-Sep-17	31-Aug-17 A	30-Oct-17	100%	98%	-31																					
Transformer Room A																														
Builders' Work																														
AB16780	Construct plinth	5	20-May-17	24-May-17	29-Oct-17	02-Nov-17	100%	0%	-157																					
AB16820	Installation of cable trench cover	10	09-Jun-17	18-Jun-17	04-Sep-17 A	07-Oct-17 A	100%	100%	-108																					
BS Installation																														
AB16840	Transformer Room A - MEP 2nd fix	14	25-Jun-17	09-Jul-17	15-May-17 A	06-Nov-17	100%	85%	-117																					
AB16850	Inspection by CLP	14	10-Jul-17	23-Jul-17	07-Nov-17	20-Nov-17	100%	0%	-117																					
AB53530	H/O TX Room A to CLP	0	24-Jul-17		21-Nov-17		100%	0%	-117	◆ H/O TX Room A to CLP 21-Nov-17																				
AB53540	CLP Installation for TX Room A	90	24-Jul-17	23-Oct-17	21-Nov-17	24-Feb-18	100%	0%	-117																					
AB53550	TX Room A Power ON	0		23-Oct-17		05-Mar-18	100%	0%	-126																					
Final Finishes																														
AB16860	Final coat of paint on ceiling & wall	3	24-Oct-17	26-Oct-17	05-Oct-17 A	07-Oct-17 A	100%	100%	19																					
AB16870	Door & ironmongeries installation	3	27-Oct-17	30-Oct-17	06-Oct-17 A	29-Oct-17	33.33%	98%	1																					
LV Switch Room 1 & 2																														
Builders' Work																														
AB16900	Wall tiling (1.5m high)	10	29-May-17	08-Jun-17	29-Oct-17	07-Nov-17	100%	0%	-148																					
BS Installation																														
AB16930	LV Switch Room 1 & 2 - MEP 2nd fix	14	19-Jun-17	03-Jul-17	14-Oct-17 A	10-Nov-17	100%	12%	-127																					
AB16940	LV Switch Room 1 & 2 - Main Switch Board 1 & 2 Site Test	8	04-Jul-17	11-Jul-17	11-Nov-17	18-Nov-17	100%	0%	-127																					
AB53560	LV Switch Room 1 & 2 - Install Main Switch Board 1 & 2	60	12-Jul-17	09-Sep-17	19-Nov-17	20-Jan-18	100%	0%	-127																					
Final Finishes																														
AB16950	Final coat of paint on ceiling & wall	3	10-Sep-17	12-Sep-17	21-Jan-18	23-Jan-18	100%	0%	-127																					
AB16960	Door & ironmongeries installation	3	31-Oct-17	02-Nov-17	24-Jan-18	26-Jan-18	0%	0%	-82																					
CBS Room																														
Builder's Work																														
AB16970	Construct plinth	5	20-May-17	24-May-17	29-Oct-17	02-Nov-17	100%	0%	-157																					
AB16980	Wall rendering	9	25-May-17	03-Jun-17	03-Nov-17	11-Nov-17	100%	0%	-157																					
AB16990	Wall tiling (1.5m high)	10	04-Jun-17	13-Jun-17	12-Nov-17	21-Nov-17	100%	0%	-157																					
AB17000	Floor screeding	4	14-Jun-17	17-Jun-17	22-Nov-17	25-Nov-17	100%	0%	-157																					
AB17010	Sealer on ceiling soffit & application of epoxy paint on wall	6	18-Jun-17	23-Jun-17	26-Nov-17	01-Dec-17	100%	0%	-157																					

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December				January				February		
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	
ICT Riser																														
Builders' Work																														
AB53720	Construct plinth	5	20-May-17	24-May-17	29-Oct-17	02-Nov-17	100%	0%	-157																					
AB53730	Wall rendering	9	25-May-17	03-Jun-17	03-Nov-17	11-Nov-17	100%	0%	-157																					
AB53740	Wall tiling (1.5m high)	10	04-Jun-17	13-Jun-17	12-Nov-17	21-Nov-17	100%	0%	-157																					
AB53750	Floor screeding	4	14-Jun-17	17-Jun-17	22-Nov-17	25-Nov-17	100%	0%	-157																					
AB53760	Sealer on ceiling soffit & application of epoxy paint on wall	6	18-Jun-17	23-Jun-17	26-Nov-17	01-Dec-17	100%	0%	-157																					
BS Installation																														
AB17250	ICT Riser - MEP 2nd fix	14	24-Jun-17	08-Jul-17	02-Dec-17	15-Dec-17	100%	0%	-157																					
AB17260	ICT Riser - MEP final fix	14	09-Jul-17	22-Jul-17	16-Dec-17	31-Dec-17	100%	0%	-157																					
Final Finishes																														
AB17270	Final coat of paint on wall	3	23-Jul-17	25-Jul-17	02-Jan-18	04-Jan-18	100%	0%	-157																					
AB17280	Sealer on floor	3	26-Jul-17	28-Jul-17	05-Jan-18	07-Jan-18	100%	0%	-157																					
AB17290	Door & ironmongeries installation	3	15-Nov-17	17-Nov-17	21-Mar-18	23-Mar-18	0%	0%	-120																					
General Builders' Work																														
AB16620	Steel Post	10	01-Oct-17	12-Oct-17	07-Oct-17 A	06-Nov-17	100%	60%	-24																					
AB16630	Blockwall	14	13-Oct-17	26-Oct-17	07-Oct-17 A	10-Nov-17	100%	50%	-14																					
AB16640	Wall Plastering	21	27-Oct-17	17-Nov-17	11-Nov-17	01-Dec-17	4.76%	0%	-14																					
AB16650	Floor Screeding	21	11-Nov-17	01-Dec-17	25-Nov-17	15-Dec-17	0%	0%	-14																					
AB16670	Drywall (MEP concealed items, close up panel)	28	02-Dec-17	31-Dec-17	16-Dec-17	15-Jan-18	0%	0%	-14																					
General BS Installation																														
Electrical System																														
AB53380	MEP 1st fix - B1F Sector C	30	27-Oct-17	26-Nov-17	14-Oct-17 A	26-Nov-17	3.33%	16%	0																					
AB53390	MEP 2nd fix - B1F Sector C	45	27-Nov-17	13-Jan-18	27-Nov-17	13-Jan-18	0%	0%	0																					
AB53400	MEP Final fix - B1F Sector C	30	14-Jan-18	12-Feb-18	14-Jan-18	12-Feb-18	0%	0%	0																					
Plumbing & Drainage																														
AB53410	P&D 1st fix - B1F Sector C	30	27-Oct-17	26-Nov-17	14-Oct-17 A	26-Nov-17	3.33%	10%	0																					
AB53420	P&D 2nd fix - B1F Sector C	45	27-Nov-17	13-Jan-18	27-Nov-17	13-Jan-18	0%	0%	0																					
AB53430	P&D Final fix - B1F Sector C	30	14-Jan-18	12-Feb-18	14-Jan-18	12-Feb-18	0%	0%	0																					
FS System																														
AB53440	FS 1st fix - B1F Sector C	30	27-Oct-17	26-Nov-17	14-Oct-17 A	26-Nov-17	3.33%	16%	0																					
AB53450	FS 2nd fix - B1F Sector C	45	27-Nov-17	13-Jan-18	27-Nov-17	13-Jan-18	0%	0%	0																					
AB53460	FS Final fix - B1F Sector C	30	14-Jan-18	12-Feb-18	14-Jan-18	12-Feb-18	0%	0%	0																					
HVAC System																														
AB53470	HVAC 1st fix - B1F Sector C	30	27-Oct-17	26-Nov-17	14-Oct-17 A	26-Nov-17	3.33%	16%	0																					
AB53480	HVAC 2nd fix - B1F Sector C	45	27-Nov-17	13-Jan-18	27-Nov-17	13-Jan-18	0%	0%	0																					
AB53490	HVAC Final fix - B1F Sector C	30	14-Jan-18	12-Feb-18	14-Jan-18	12-Feb-18	0%	0%	0																					
Workshops, Storages & Offices																														
Staff Quiet Room																														
AB17330	Acoustic ceiling framework	14	14-Jan-18	27-Jan-18	16-Jan-18	29-Jan-18	0%	0%	-2																					
RDE Locker Room, Staff Locker Room																														
AB17390	Wall & floor tiling	14	14-Jan-18	27-Jan-18	14-Jan-18	27-Jan-18	0%	0%	0																					
Staff Entrance																														
AB17440	Expanded metal ceiling framework	14	14-Jan-18	27-Jan-18	14-Jan-18	27-Jan-18	0%	0%	0																					
Group Check-in, Luggage/ General Storage 1																														
AB17530	Maintenance platform	45	02-Dec-17	18-Jan-18	22-Mar-18	10-May-18	0%	0%	-104																					

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February											
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05												
AB54090	Application of sealer on soffit (outside tank)	7	27-Aug-17	02-Sep-17	29-Dec-17	05-Jan-18	100%	0%	-119																																
AB54100	Cat ladder	7	03-Sep-17	09-Sep-17	06-Jan-18	12-Jan-18	100%	0%	-119																																
AB54110	Hatch cover	7	10-Sep-17	16-Sep-17	13-Jan-18	19-Jan-18	100%	0%	-119																																
Oil Pump Room & Day Tanks																																									
Builder's Work																																									
AB54120	Waterproofing & water test	12	22-Jul-17	02-Aug-17	21-Nov-17	02-Dec-17	100%	0%	-119																																
AB54130	Plastering work (inside tank)	10	03-Aug-17	12-Aug-17	03-Dec-17	12-Dec-17	100%	0%	-119																																
AB54140	Wall & floor tiling	14	13-Aug-17	26-Aug-17	13-Dec-17	28-Dec-17	100%	0%	-119																																
AB54150	Application of sealer on soffit (outside tank)	7	27-Aug-17	02-Sep-17	29-Dec-17	05-Jan-18	100%	0%	-119																																
AB54160	Cat ladder	7	03-Sep-17	09-Sep-17	06-Jan-18	12-Jan-18	100%	0%	-119																																
AB54170	Hatch cover	7	10-Sep-17	16-Sep-17	13-Jan-18	19-Jan-18	100%	0%	-119																																
BS Installation																																									
AB18880	Oil Pump Room - MEP 2nd fix	14	03-Sep-17	16-Sep-17	06-Jan-18	19-Jan-18	100%	0%	-119																																
AB18890	Oil Pump Room - Install Oil Pump Set & SAT	30	17-Sep-17	18-Oct-17	20-Jan-18	21-Feb-18	100%	0%	-119																																
Final Finishes																																									
AB18900	Final coat of paint on wall	3	19-Oct-17	21-Oct-17	22-Feb-18	24-Feb-18	100%	0%	-119																																
AB18910	Sealer on floor	3	22-Oct-17	24-Oct-17	25-Feb-18	27-Feb-18	100%	0%	-119																																
AB18920	Door & ironmongeries installation	3	25-Oct-17	27-Oct-17	28-Feb-18	02-Mar-18	100%	0%	-119																																
EV Charger Meter Room																																									
Builder's Work																																									
AB18930	Sealer on ceiling soffit & application of epoxy paint on wall	7	26-Sep-17	03-Oct-17	29-Jan-18	04-Feb-18	100%	0%	-119																																
BS Installation																																									
AB18940	EV Charger Meter Room - MEP2nd fix	14	04-Oct-17	18-Oct-17	05-Feb-18	21-Feb-18	100%	0%	-119																																
AB18950	EV Charger Meter Room - MEP3rd fix	14	19-Oct-17	02-Nov-17	22-Feb-18	07-Mar-18	64.29%	0%	-119																																
Final Finishes																																									
AB18960	Final coat of paint on wall	3	03-Nov-17	05-Nov-17	08-Mar-18	10-Mar-18	0%	0%	-119																																
AB18970	Sealer on floor	3	06-Nov-17	08-Nov-17	11-Mar-18	13-Mar-18	0%	0%	-119																																
AB18980	Door & ironmongeries installation	3	09-Nov-17	11-Nov-17	14-Mar-18	16-Mar-18	0%	0%	-119																																
DG Store																																									
Builders' Work																																									
AB18990	Sealer on ceiling soffit & application of epoxy paint on wall	7	04-Oct-17	11-Oct-17	05-Feb-18	11-Feb-18	100%	0%	-119																																
BS Installation																																									
AB19000	DG Store - MEP 2nd fix	14	12-Oct-17	25-Oct-17	12-Feb-18	28-Feb-18	100%	0%	-119																																
AB19010	DG Store - MEP final fix	14	26-Oct-17	09-Nov-17	01-Mar-18	14-Mar-18	14.29%	0%	-119																																
Final Finishes																																									
AB19020	Final coat of paint on wall	3	10-Nov-17	12-Nov-17	15-Mar-18	17-Mar-18	0%	0%	-119																																
AB19030	Sealer on floor	3	13-Nov-17	15-Nov-17	18-Mar-18	20-Mar-18	0%	0%	-119																																
AB19040	Door & ironmongeries installation	3	16-Nov-17	18-Nov-17	21-Mar-18	23-Mar-18	0%	0%	-119																																
Lobby/ Lift Lobby																																									
Fireman's Lift Lobby (LT-55), Public Lift Lobby (LT-71, 72, 73) & Corridor																																									
AB19060	Fire rated metal ceiling framework	21	01-Nov-17	21-Nov-17	06-Mar-18	26-Mar-18	0%	0%	-119																																
AB19070	MEP dropper	7	15-Nov-17	21-Nov-17	20-Mar-18	26-Mar-18	0%	0%	-119																																
AB19080	Fire rated metal ceiling close-up	14	22-Nov-17	05-Dec-17	27-Mar-18	13-Apr-18	0%	0%	-119																																
AB19090	Application of sealer on wall & floor	14	06-Dec-17	19-Dec-17	14-Apr-18	27-Apr-18	0%	0%	-119																																
AB19100	Door & ironmongeries installation	7	20-Dec-17	28-Dec-17	28-Apr-18	05-May-18	0%	0%	-119																																

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November				December				January				February			
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	
Plantrooms																														
RDE Transformer Room																														
Builders' Work																														
AB18060	Construct plinth	5	08-Jul-17	12-Jul-17	29-Oct-17	02-Nov-17	100%	0%	-110																					
BS Installation																														
AB18130	Inspection by CLP	14	01-Sep-17	14-Sep-17	18-Sep-17 A	18-Oct-17 A	100%	100%	-32																					
AB54300	H/O RDE TX Room to CLP	0	15-Sep-17		19-Oct-17 A		100%	100%	-32																					
AB54310	CLP Installation for RDE TX Room	60	15-Sep-17	16-Nov-17	19-Oct-17 A	24-Dec-17	68.33%	5%	-38																					
AB54320	RDE TX Room Power ON	0		16-Nov-17		28-Feb-18	0%	0%	-98																					
Final Finishes																														
AB18140	Final coat of paint on wall	3	17-Nov-17	19-Nov-17	26-Oct-17 A	28-Oct-17 A	0%	100%	22																					
AB18150	Door & ironmongeries installation	3	20-Nov-17	22-Nov-17	26-Oct-17 A	28-Oct-17 A	0%	100%	25																					
LV Switch Room																														
Builder's Work																														
AB18160	Construct plinth	5	08-Jul-17	12-Jul-17	21-Oct-17 A	01-Nov-17	100%	50%	-109																					
BS Installation																														
AB18210	RDE LV Switch Room - MEP 2nd fix	14	12-Aug-17	25-Aug-17	29-Oct-17	11-Nov-17	100%	0%	-75																					
AB18220	RDE LV Switch Room - Site test for LV Switchboard	8	26-Aug-17	02-Sep-17	21-Oct-17 A	04-Nov-17	100%	50%	-60																					
AB18225	RDE LV Switch Room - Main LV Switchboard Installation	60	03-Sep-17	04-Nov-17	05-Nov-17	06-Jan-18	88.33%	0%	-60																					
Final Finishes																														
AB18230	Final coat of paint on wall	3	05-Nov-17	07-Nov-17	19-Oct-17 A	21-Oct-17 A	0%	100%	16																					
AB18240	Door & ironmongeries installation	3	23-Nov-17	25-Nov-17	29-Oct-17	31-Oct-17	0%	0%	25																					
ELV Room																														
Builder's Work																														
AB18370	Sealer on ceiling soffit & on wall	7	12-Sep-17	18-Sep-17	06-Jan-18	12-Jan-18	100%	0%	-110																					
BS Installation																														
AB18380	ELV Room - MEP 2nd fix	14	19-Sep-17	03-Oct-17	13-Jan-18	26-Jan-18	100%	0%	-110																					
AB18390	ELV Room - Install ELV System	30	04-Oct-17	04-Nov-17	27-Jan-18	28-Feb-18	76.67%	0%	-110																					
Final Finishes																														
AB18400	Final coat of paint on wall	3	05-Nov-17	07-Nov-17	01-Mar-18	03-Mar-18	0%	0%	-110																					
AB18410	Sealer on floor	3	08-Nov-17	10-Nov-17	04-Mar-18	06-Mar-18	0%	0%	-110																					
AB18420	Door & ironmongeries installation	3	02-Dec-17	04-Dec-17	07-Mar-18	09-Mar-18	0%	0%	-89																					
Carriageway SEF Room																														
Builder's Work																														
AB18250	Sealer on ceiling soffit & on wall	7	12-Sep-17	18-Sep-17	06-Jan-18	12-Jan-18	100%	0%	-110																					
BS Installation																														
AB18260	Carriageway SEF Room - MEP 2nd fix	14	19-Sep-17	03-Oct-17	13-Jan-18	26-Jan-18	100%	0%	-110																					
AB18270	Carriageway SEF Room - MEP final fix	14	04-Oct-17	18-Oct-17	27-Jan-18	09-Feb-18	100%	0%	-110																					
Final Finishes																														
AB18280	Final coat of paint on wall	3	19-Oct-17	21-Oct-17	10-Feb-18	12-Feb-18	100%	0%	-110																					
AB18290	Sealer on floor	3	22-Oct-17	24-Oct-17	13-Feb-18	15-Feb-18	100%	0%	-110																					
AB18300	Door & ironmongeries installation	3	26-Nov-17	28-Nov-17	18-Feb-18	21-Feb-18	0%	0%	-79																					
RDE ELE Room & Lobby																														
Builder's Work																														
AB18310	Sealer on ceiling soffit & on wall	7	19-Sep-17	25-Sep-17	13-Jan-18	19-Jan-18	100%	0%	-110																					
BS Installation																														

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February						
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05							
AB18320	RDE ELE Room & Lobby - MEP2nd fix	14	26-Sep-17	11-Oct-17	20-Jan-18	02-Feb-18	100%	0%	-110																											
AB18330	RDE ELE Room & Lobby - MEPfinal fix	14	12-Oct-17	25-Oct-17	03-Feb-18	18-Feb-18	100%	0%	-110																											
Final Finishes																																				
AB18340	Final coat of paint on wall	3	26-Oct-17	29-Oct-17	20-Feb-18	22-Feb-18	66.67%	0%	-110																											
AB18350	Sealer on floor	3	30-Oct-17	01-Nov-17	23-Feb-18	25-Feb-18	0%	0%	-110																											
AB18360	Door & ironmongeries installation	3	29-Nov-17	01-Dec-17	26-Feb-18	28-Feb-18	0%	0%	-83																											
ICT																																				
Builders' Work																																				
AB18430	Sealer on ceiling soffit & on wall	7	19-Sep-17	25-Sep-17	13-Jan-18	19-Jan-18	100%	0%	-110																											
BS Installation																																				
AB18440	ICT Room - MEP2nd fix	14	26-Sep-17	11-Oct-17	20-Jan-18	02-Feb-18	100%	0%	-110																											
AB18450	ICT Room - MEPfinal fix	14	12-Oct-17	25-Oct-17	03-Feb-18	18-Feb-18	100%	0%	-110																											
Final Finishes																																				
AB18460	Final coat of paint on wall	3	26-Oct-17	29-Oct-17	20-Feb-18	22-Feb-18	66.67%	0%	-110																											
AB18470	Sealer on floor	3	30-Oct-17	01-Nov-17	23-Feb-18	25-Feb-18	0%	0%	-110																											
AB18480	Door & ironmongeries installation	3	05-Dec-17	07-Dec-17	10-Mar-18	12-Mar-18	0%	0%	-89																											
Lighting Control Centre																																				
Builders' Work																																				
AB18490	Sealer on ceiling soffit & on wall	7	26-Sep-17	03-Oct-17	20-Jan-18	26-Jan-18	100%	0%	-110																											
BS Installation																																				
AB18500	Lighting Control Centre - MEP2nd fix	14	04-Oct-17	18-Oct-17	27-Jan-18	09-Feb-18	100%	0%	-110																											
AB18510	Lighting Control Centre - MEP3rd fix	14	19-Oct-17	02-Nov-17	10-Feb-18	26-Feb-18	64.29%	0%	-110																											
Final Finishes																																				
AB18520	Final coat of paint on wall	3	03-Nov-17	05-Nov-17	27-Feb-18	01-Mar-18	0%	0%	-110																											
AB18530	Sealer on floor	3	06-Nov-17	08-Nov-17	02-Mar-18	04-Mar-18	0%	0%	-110																											
AB18540	Door & ironmongeries installation	3	08-Dec-17	10-Dec-17	13-Mar-18	15-Mar-18	0%	0%	-89																											
General Builders' Work																																				
AB18020	Steel Post	10	08-Jul-17	17-Jul-17	29-Oct-17	07-Nov-17	100%	0%	-110																											
AB18030	Blockwall	21	18-Jul-17	07-Aug-17	08-Nov-17	28-Nov-17	100%	0%	-110																											
AB18040	Wall Plastering	21	08-Aug-17	28-Aug-17	29-Nov-17	19-Dec-17	100%	0%	-110																											
AB18050	Floor Screeding	14	29-Aug-17	11-Sep-17	20-Dec-17	05-Jan-18	100%	0%	-110																											
General BS Installation																																				
Electrical System																																				
AB54180	MEP1st fix - LGF Sector G	30	08-Aug-17	06-Sep-17	28-Oct-17 A	27-Nov-17	100%	3%	-79																											
AB54190	MEP2nd fix - LGF Sector G	45	07-Sep-17	23-Oct-17	28-Nov-17	14-Jan-18	100%	0%	-79																											
AB54200	MEP Final fix - LGF Sector G	30	24-Oct-17	23-Nov-17	15-Jan-18	13-Feb-18	13.33%	0%	-79																											
Plumbing & Drainage																																				
AB54210	P&D 1st fix - LGF Sector G	30	08-Aug-17	06-Sep-17	29-Oct-17	27-Nov-17	100%	0%	-79																											
AB54220	P&D 2nd fix - LGF Sector G	45	07-Sep-17	23-Oct-17	28-Nov-17	14-Jan-18	100%	0%	-79																											
AB54230	P&D Final fix - LGF Sector G	30	24-Oct-17	23-Nov-17	15-Jan-18	13-Feb-18	13.33%	0%	-79																											
FS System																																				
AB54240	FS 1st fix - LGF Sector G	30	08-Aug-17	06-Sep-17	28-Oct-17 A	27-Nov-17	100%	3%	-79																											
AB54250	FS 2nd fix - LGF Sector G	45	07-Sep-17	23-Oct-17	28-Nov-17	14-Jan-18	100%	0%	-79																											
AB54260	FS Final fix - LGF Sector G	30	24-Oct-17	23-Nov-17	15-Jan-18	13-Feb-18	13.33%	0%	-79																											
HVAC System																																				
AB54270	HVAC1st fix - LGF Sector G	30	08-Aug-17	06-Sep-17	29-Oct-17	27-Nov-17	100%	0%	-79																											

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26				December 27					January 28				February 29							
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05						
AB54280	HVAC 2nd fix - LGF Sector G	45	07-Sep-17	23-Oct-17	28-Nov-17	14-Jan-18	100%	0%	-79																										
AB54290	HVAC Final fix - LGF Sector G	30	24-Oct-17	23-Nov-17	15-Jan-18	13-Feb-18	13.33%	0%	-79																										
Workshops, Storages & Offices																																			
Carpark Management Office																																			
AB18550	Skim coat, application of epoxy paint on wall and sealer on soffit	14	24-Oct-17	07-Nov-17	15-Jan-18	28-Jan-18	28.57%	0%	-79	AB18550																									
LG/F - Zone LGT4 & LGT5 (Sector F)																																			
General Builders' Work																																			
AB22530	Steel Post	14	09-Jun-17	22-Jun-17	29-Oct-17	11-Nov-17	100%	0%	-138																										
AB22540	Blockwall	14	23-Jun-17	07-Jul-17	12-Nov-17	25-Nov-17	100%	0%	-138																										
AB22550	Wall Plastering	14	08-Jul-17	21-Jul-17	26-Nov-17	09-Dec-17	100%	0%	-138																										
AB22560	Floor Screeding	21	22-Jul-17	11-Aug-17	10-Dec-17	02-Jan-18	100%	0%	-138																										
AB22570	Drywall (MEP concealed items, close up panel)	21	12-Aug-17	01-Sep-17	03-Jan-18	23-Jan-18	100%	0%	-138																										
General BS Installation																																			
Electrical System																																			
AB54330	MEP 1st fix - LGF Sector F	30	08-Jul-17	06-Aug-17	26-Nov-17	27-Dec-17	100%	0%	-138																										
AB54340	MEP 2nd fix - LGF Sector F	45	07-Aug-17	20-Sep-17	28-Dec-17	11-Feb-18	100%	0%	-138																										
AB54350	MEP Final fix - LGF Sector F	30	21-Sep-17	22-Oct-17	12-Feb-18	16-Mar-18	100%	0%	-138																										
Plumbing & Drainage																																			
AB54360	P&D 1st fix - LGF Sector F	30	08-Jul-17	06-Aug-17	26-Nov-17	27-Dec-17	100%	0%	-138																										
AB54370	P&D 2nd fix - LGF Sector F	45	07-Aug-17	20-Sep-17	28-Dec-17	11-Feb-18	100%	0%	-138																										
AB54380	P&D Final fix - LGF Sector F	30	21-Sep-17	22-Oct-17	12-Feb-18	16-Mar-18	100%	0%	-138																										
FS System																																			
AB54390	FS 1st fix - LGF Sector F	30	08-Jul-17	06-Aug-17	26-Nov-17	27-Dec-17	100%	0%	-138																										
AB54400	FS 2nd fix - LGF Sector F	45	07-Aug-17	20-Sep-17	28-Dec-17	11-Feb-18	100%	0%	-138																										
AB54410	FS Final fix - LGF Sector F	30	21-Sep-17	22-Oct-17	12-Feb-18	16-Mar-18	100%	0%	-138																										
HVAC System																																			
AB54420	HVAC 1st fix - LGF Sector F	30	08-Jul-17	06-Aug-17	26-Nov-17	27-Dec-17	100%	0%	-138																										
AB54430	HVAC 2nd fix - LGF Sector F	45	07-Aug-17	20-Sep-17	28-Dec-17	11-Feb-18	100%	0%	-138																										
AB54440	HVAC Final fix - LGF Sector F	30	21-Sep-17	22-Oct-17	12-Feb-18	16-Mar-18	100%	0%	-138																										
Plantrooms																																			
Extract Fan Room																																			
Builders' Work																																			
AB22660	Concrete plinth and waterproofing works	12	24-Sep-17	07-Oct-17	15-Feb-18	01-Mar-18	100%	0%	-138																										
AB22670	Floor Screeding & wall rendering	7	08-Oct-17	14-Oct-17	02-Mar-18	08-Mar-18	100%	0%	-138																										
AB22680	Sealer on ceiling soffit & application of epoxy paint on wall	3	15-Oct-17	17-Oct-17	09-Mar-18	11-Mar-18	100%	0%	-138																										
BS Installation																																			
AB22690	Extract Fan Room - MEP 2nd fix	14	18-Oct-17	01-Nov-17	12-Mar-18	25-Mar-18	71.43%	0%	-138																										
AB22700	Extract Fan Room - Install extraction fan	30	02-Nov-17	01-Dec-17	26-Mar-18	28-Apr-18	0%	0%	-138																										
Final Finishes																																			
AB22710	Final coat of paint on wall	3	02-Dec-17	04-Dec-17	29-Apr-18	02-May-18	0%	0%	-138																										
AB22720	Sealer on floor	3	05-Dec-17	07-Dec-17	03-May-18	05-May-18	0%	0%	-138																										
AB22730	Door & ironmongeries installation	3	08-Dec-17	10-Dec-17	06-May-18	08-May-18	0%	0%	-138																										
Carriageway SEF Room																																			
Builders' Work																																			
AB22740	Sealer on ceiling soffit & on wall	7	18-Oct-17	24-Oct-17	12-Mar-18	18-Mar-18	100%	0%	-138																										
BS Installation																																			

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November				December				January				February		
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05
BS Installation																													
AB22390	MEP Room - MEP 2nd fix	14	25-Nov-17	08-Dec-17	19-Nov-17	02-Dec-17	0%	0%	6																				
AB22400	MEP Room - MEP final fix	30	09-Dec-17	10-Jan-18	03-Dec-17	04-Jan-18	0%	0%	6																				
Final Finishes																													
AB22410	Final coat of paint on wall	3	11-Jan-18	13-Jan-18	05-Jan-18	07-Jan-18	0%	0%	6																				
AB22420	Polyurethane on floor	3	14-Jan-18	16-Jan-18	08-Jan-18	10-Jan-18	0%	0%	6																				
M+ Podium ABWF & BS Installation																													
G/F - Zone A1 (Sector C)																													
General Builders' Work																													
AB23780	Wall Plastering	7	20-Jul-17	26-Jul-17	22-Nov-17	28-Nov-17	100%	0%	-122																				
AB23790	Drywall (MEP concealed items, close up panel)	14	27-Jul-17	09-Aug-17	29-Nov-17	12-Dec-17	100%	0%	-122																				
AB23800	Floor Screeding	14	10-Aug-17	23-Aug-17	13-Dec-17	28-Dec-17	100%	0%	-122																				
General BS Installation																													
Electrical System																													
AB54930	MEP 1st fix - GF Sector C	30	20-Jul-17	18-Aug-17	22-Nov-17	21-Dec-17	100%	0%	-122																				
AB54940	MEP 2nd fix - GF Sector C	45	19-Aug-17	03-Oct-17	22-Dec-17	07-Feb-18	100%	0%	-122																				
AB54950	MEP Final fix - GF Sector C	30	04-Oct-17	04-Nov-17	08-Feb-18	12-Mar-18	76.67%	0%	-122																				
Plumbing & Drainage																													
AB54960	P&D 1st fix - GF Sector C	30	20-Jul-17	18-Aug-17	22-Nov-17	21-Dec-17	100%	0%	-122																				
AB54970	P&D 2nd fix - GF Sector C	45	19-Aug-17	03-Oct-17	22-Dec-17	07-Feb-18	100%	0%	-122																				
AB54980	P&D Final fix - GF Sector C	30	04-Oct-17	04-Nov-17	08-Feb-18	12-Mar-18	76.67%	0%	-122																				
FS System																													
AB54990	FS 1st fix - GF Sector C	30	20-Jul-17	18-Aug-17	22-Nov-17	21-Dec-17	100%	0%	-122																				
AB55000	FS 2nd fix - GF Sector C	45	19-Aug-17	03-Oct-17	22-Dec-17	07-Feb-18	100%	0%	-122																				
AB55010	FS Final fix - GF Sector C	30	04-Oct-17	04-Nov-17	08-Feb-18	12-Mar-18	76.67%	0%	-122																				
HVAC System																													
AB55020	HVAC 1st fix - GF Sector C	30	20-Jul-17	18-Aug-17	22-Nov-17	21-Dec-17	100%	0%	-122																				
AB55030	HVAC 2nd fix - GF Sector C	45	19-Aug-17	03-Oct-17	22-Dec-17	07-Feb-18	100%	0%	-122																				
AB55040	HVAC Final fix - GF Sector C	30	04-Oct-17	04-Nov-17	08-Feb-18	12-Mar-18	76.67%	0%	-122																				
Plantrooms																													
MEP Rooms																													
Builder's Work																													
AB23810	Sealer on ceiling soffit & epoxy paint on wall	7	24-Aug-17	30-Aug-17	29-Dec-17	05-Jan-18	100%	0%	-122																				
BS Installation																													
AB23820	MEP Room - MEP 2nd fix	14	31-Aug-17	13-Sep-17	06-Jan-18	19-Jan-18	100%	0%	-122																				
AB23830	MEP Room - MEP final fix	14	14-Sep-17	27-Sep-17	20-Jan-18	02-Feb-18	100%	0%	-122																				
Final Finishes																													
AB23840	Final coat of paint on wall	3	28-Sep-17	30-Sep-17	03-Feb-18	05-Feb-18	100%	0%	-122																				
AB23850	Sealer on floor	3	01-Oct-17	04-Oct-17	06-Feb-18	08-Feb-18	100%	0%	-122																				
AB23860	Door & ironmongeries installation	3	06-Oct-17	08-Oct-17	09-Feb-18	11-Feb-18	100%	0%	-122																				
Workshops, Storages & Offices																													
Storage																													
AB23870	Application of sealer on wall, soffit and floor	7	24-Aug-17	30-Aug-17	29-Dec-17	05-Jan-18	100%	0%	-122																				
AB23880	Door & ironmongeries installation	7	01-Oct-17	09-Oct-17	06-Jan-18	12-Jan-18	100%	0%	-91																				
Temporary Exhibition 1a & 1b																													
AB23900	Skim coat, application of emulsion paint on wall & sealer on floor	30	20-Nov-17	19-Dec-17	08-Feb-18	12-Mar-18	0%	0%	-77																				

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December				January				February		
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	
2/F - Zone G & Zone M (Sector A)																														
General Builders' Work																														
AB26760	Wall Plastering	21	13-Jan-18	02-Feb-18	28-Feb-18	20-Mar-18	0%	0%	-43																					
General BS Installation																														
Electrical System																														
AB56130	MEP 1st fix - 2F Sector A	30	13-Jan-18	11-Feb-18	28-Feb-18	29-Mar-18	0%	0%	-43																					
Plumbing & Drainage																														
AB56160	P&D 1st fix - 2F Sector A	30	13-Jan-18	11-Feb-18	28-Feb-18	29-Mar-18	0%	0%	-43																					
FS System																														
AB56190	FS 1st fix - 2F Sector A	30	13-Jan-18	11-Feb-18	28-Feb-18	29-Mar-18	0%	0%	-43																					
HVAC System																														
AB56220	HVAC 1st fix - 2F Sector A	30	13-Jan-18	11-Feb-18	28-Feb-18	29-Mar-18	0%	0%	-43																					
2/F - Zone G, Zone F & Zone P (Sector B)																														
General Builder's Work																														
AB27400	Steel Post	14	13-Jan-18	26-Jan-18	28-Feb-18	13-Mar-18	0%	0%	-43																					
AB27410	Blockwall	4	27-Jan-18	31-Jan-18	14-Mar-18	18-Mar-18	0%	0%	-43																					
General BS Installation																														
Electrical System																														
AB56250	MEP 1st fix - 2F Sector B	30	13-Jan-18	11-Feb-18	28-Feb-18	29-Mar-18	0%	0%	-43																					
Plumbing & Drainage																														
AB56280	P&D 1st fix - 2F Sector B	30	13-Jan-18	11-Feb-18	28-Feb-18	29-Mar-18	0%	0%	-43																					
FS System																														
AB56310	FS 1st fix - 2F Sector B	30	13-Jan-18	11-Feb-18	28-Feb-18	29-Mar-18	0%	0%	-43																					
HVAC System																														
AB56340	HVAC 1st fix - 2F Sector B	30	13-Jan-18	11-Feb-18	28-Feb-18	29-Mar-18	0%	0%	-43																					
2/F - Zone A5 (Sector C)																														
General Builders' Work																														
AB27860	Wall Plastering	21	01-Oct-17	23-Oct-17	28-Jan-18	20-Feb-18	100%	0%	-113																					
AB27870	Floor Screeding	21	24-Oct-17	14-Nov-17	21-Feb-18	13-Mar-18	19.05%	0%	-113																					
General BS Installation																														
Electrical System																														
AB56370	MEP 1st fix - 2F Sector C	30	01-Oct-17	02-Nov-17	28-Jan-18	01-Mar-18	83.33%	0%	-113																					
AB56380	MEP 2nd fix - 2F Sector C	45	03-Nov-17	17-Dec-17	02-Mar-18	19-Apr-18	0%	0%	-113																					
AB56390	MEP Final fix - 2F Sector C	30	18-Dec-17	19-Jan-18	20-Apr-18	20-May-18	0%	0%	-113																					
Plumbing & Drainage																														
AB56400	P&D 1st fix - 2F Sector C	30	01-Oct-17	02-Nov-17	28-Jan-18	01-Mar-18	83.33%	0%	-113																					
AB56410	P&D 2nd fix - 2F Sector C	45	03-Nov-17	17-Dec-17	02-Mar-18	19-Apr-18	0%	0%	-113																					
AB56420	P&D Final fix - 2F Sector C	30	18-Dec-17	19-Jan-18	20-Apr-18	20-May-18	0%	0%	-113																					
FS System																														
AB56430	FS 1st fix - 2F Sector C	30	01-Oct-17	02-Nov-17	28-Jan-18	01-Mar-18	83.33%	0%	-113																					
AB56440	FS 2nd fix - 2F Sector C	45	03-Nov-17	17-Dec-17	02-Mar-18	19-Apr-18	0%	0%	-113																					
AB56450	FS Final fix - 2F Sector C	30	18-Dec-17	19-Jan-18	20-Apr-18	20-May-18	0%	0%	-113																					
HVAC System																														
AB56460	HVAC 1st fix - 2F Sector C	30	01-Oct-17	02-Nov-17	28-Jan-18	01-Mar-18	83.33%	0%	-113																					
AB56470	HVAC 2nd fix - 2F Sector C	45	03-Nov-17	17-Dec-17	02-Mar-18	19-Apr-18	0%	0%	-113																					
AB56480	HVAC Final fix - 2F Sector C	30	18-Dec-17	19-Jan-18	20-Apr-18	20-May-18	0%	0%	-113																					

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February					
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05						
Gallery, Exhibition, Rooms, Plaza																																			
First Aid Room																																			
AB27940	Wall tiling	7	18-Dec-17	24-Dec-17	20-Apr-18	26-Apr-18	0%	0%	-113																										
AB27950	Skim coat, application of emulsion paint on ceiling	7	27-Dec-17	03-Jan-18	27-Apr-18	04-May-18	0%	0%	-113																										
AB27960	Door & ironmongeries installation	7	04-Jan-18	10-Jan-18	05-May-18	11-May-18	0%	0%	-113																										
Gallery 5 & 6, Tall Gallery 1 & 2, Temporary Exhibition 2a, 2b & 2c																																			
AB27890	Skim coat & application of emulsion paint on wall & soffit	60	18-Dec-17	21-Feb-18	20-Apr-18	21-Jun-18	0%	0%	-113																										
AB27910	Oak planks & floor grilles installation (incl. framework)	60	20-Jan-18	23-Mar-18	21-May-18	22-Jul-18	0%	0%	-113																										
2/F - Zone F (Sector D)																																			
General Builders' Work																																			
AB28080	Steel Post	14	06-Dec-17	19-Dec-17	12-Nov-17	25-Nov-17	0%	0%	24																										
AB28090	Blockwall	14	20-Dec-17	05-Jan-18	26-Nov-17	09-Dec-17	0%	0%	24																										
AB28100	Wall Plastering	21	06-Jan-18	26-Jan-18	10-Dec-17	02-Jan-18	0%	0%	24																										
AB28110	Floor Screeding	21	27-Jan-18	18-Feb-18	03-Jan-18	23-Jan-18	0%	0%	24																										
General BS Installation																																			
Electrical System																																			
AB56490	MEP 1st fix - 2F Sector D	30	06-Dec-17	07-Jan-18	12-Nov-17	11-Dec-17	0%	0%	24																										
AB56500	MEP 2nd fix - 2F Sector D	45	08-Jan-18	24-Feb-18	12-Dec-17	28-Jan-18	0%	0%	24																										
Plumbing & Drainage																																			
AB56520	P&D 1st fix - 2F Sector D	30	06-Dec-17	07-Jan-18	12-Nov-17	11-Dec-17	0%	0%	24																										
AB56530	P&D 2nd fix - 2F Sector D	45	08-Jan-18	24-Feb-18	12-Dec-17	28-Jan-18	0%	0%	24																										
FS System																																			
AB56550	FS 1st fix - 2F Sector D	30	06-Dec-17	07-Jan-18	12-Nov-17	11-Dec-17	0%	0%	24																										
AB56560	FS 2nd fix - 2F Sector D	45	08-Jan-18	24-Feb-18	12-Dec-17	28-Jan-18	0%	0%	24																										
HVAC System																																			
AB56580	HVAC 1st fix - 2F Sector D	30	06-Dec-17	07-Jan-18	12-Nov-17	11-Dec-17	0%	0%	24																										
AB56590	HVAC 2nd fix - 2F Sector D	45	08-Jan-18	24-Feb-18	12-Dec-17	28-Jan-18	0%	0%	24																										
3/F - Zone M (Sector C) - Tower Footprint																																			
General Builders' Work																																			
AB28650	Blockwall	10	05-Jul-17	14-Jul-17	29-Oct-17	07-Nov-17	100%	0%	-113																										
AB28660	Wall Plastering	14	15-Jul-17	28-Jul-17	08-Nov-17	21-Nov-17	100%	0%	-113																										
AB28670	Drywall (MEP consealed items, close up panel)	14	29-Jul-17	11-Aug-17	22-Nov-17	05-Dec-17	100%	0%	-113																										
AB28680	Floor Screeding	14	12-Aug-17	25-Aug-17	06-Dec-17	19-Dec-17	100%	0%	-113																										
General BS Installation																																			
Electrical System																																			
AB56790	MEP 1st fix - 3F Sector C	30	05-Jul-17	03-Aug-17	29-Oct-17	27-Nov-17	100%	0%	-113																										
AB56800	MEP 2nd fix - 3F Sector C	45	04-Aug-17	17-Sep-17	28-Nov-17	14-Jan-18	100%	0%	-113																										
AB56810	MEP Final fix - 3F Sector C	30	18-Sep-17	19-Oct-17	15-Jan-18	13-Feb-18	100%	0%	-113																										
Plumbing & Drainage																																			
AB56820	P&D 1st fix - 3F Sector C	30	05-Jul-17	03-Aug-17	29-Oct-17	27-Nov-17	100%	0%	-113																										
AB56830	P&D 2nd fix - 3F Sector C	45	04-Aug-17	17-Sep-17	28-Nov-17	14-Jan-18	100%	0%	-113																										
AB56840	P&D Final fix - 3F Sector C	30	18-Sep-17	19-Oct-17	15-Jan-18	13-Feb-18	100%	0%	-113																										
FS System																																			
AB56850	FS 1st fix - 3F Sector C	30	05-Jul-17	03-Aug-17	29-Oct-17	27-Nov-17	100%	0%	-113																										
AB56860	FS 2nd fix - 3F Sector C	45	04-Aug-17	17-Sep-17	28-Nov-17	14-Jan-18	100%	0%	-113																										
AB56870	FS Final fix - 3F Sector C	30	18-Sep-17	19-Oct-17	15-Jan-18	13-Feb-18	100%	0%	-113																										

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February					
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	12	19	26	01	08	15
HVAC System																																			
AB56880	HVAC 1st fix - 3F Sector C	30	05-Jul-17	03-Aug-17	29-Oct-17	27-Nov-17	100%	0%	-113																										
AB56890	HVAC 2nd fix - 3F Sector C	45	04-Aug-17	17-Sep-17	28-Nov-17	14-Jan-18	100%	0%	-113																										
AB56900	HVAC Final fix - 3F Sector C	30	18-Sep-17	19-Oct-17	15-Jan-18	13-Feb-18	100%	0%	-113																										
Kitchen & Cafe																																			
Warming Kitchen																																			
AB28700	Oak slats framework/suspension on ceiling installation	7	18-Sep-17	24-Sep-17	15-Jan-18	21-Jan-18	100%	0%	-113																										
AB28710	MEP dropper	7	25-Sep-17	01-Oct-17	22-Jan-18	28-Jan-18	100%	0%	-113																										
AB28720	Oak slats installation	7	03-Oct-17	10-Oct-17	29-Jan-18	04-Feb-18	100%	0%	-113																										
AB28740	Floor tiling	7	11-Oct-17	17-Oct-17	05-Feb-18	11-Feb-18	100%	0%	-113																										
AB28750	Door & ironmongeries installation	4	10-Jan-18	13-Jan-18	11-May-18	14-May-18	0%	0%	-113																										
Museum Cafe 2																																			
AB28770	Oak slats framework/suspension on ceiling installation	21	18-Oct-17	08-Nov-17	12-Feb-18	07-Mar-18	47.62%	0%	-113																										
AB28780	MEP dropper	10	09-Nov-17	18-Nov-17	08-Mar-18	17-Mar-18	0%	0%	-113																										
AB28790	Oak slats installation	14	19-Nov-17	02-Dec-17	18-Mar-18	03-Apr-18	0%	0%	-113																										
AB28800	Application of dust sealer on wall	11	03-Dec-17	13-Dec-17	04-Apr-18	15-Apr-18	0%	0%	-113																										
AB28820	Oak planks on floor installation (incl. framework)	20	14-Dec-17	05-Jan-18	16-Apr-18	06-May-18	0%	0%	-113																										
AB28830	Door & ironmongeries installation	4	06-Jan-18	09-Jan-18	07-May-18	10-May-18	0%	0%	-113																										
3/F - Zone F (Sector D) - Tower Footprint																																			
General Builders' Work																																			
AB29130	Blockwall	10	06-Dec-17	15-Dec-17	12-Nov-17	21-Nov-17	0%	0%	24																										
AB29140	Wall Plastering	14	16-Dec-17	31-Dec-17	22-Nov-17	05-Dec-17	0%	0%	24																										
AB29150	Drywall (MEP concealed items, close up panel)	14	02-Jan-18	15-Jan-18	06-Dec-17	19-Dec-17	0%	0%	24																										
AB29160	Floor Screeding	14	16-Jan-18	29-Jan-18	20-Dec-17	05-Jan-18	0%	0%	24																										
General BS Installation																																			
Electrical System																																			
AB56670	MEP 1st fix - 3F Sector D	30	06-Dec-17	07-Jan-18	12-Nov-17	11-Dec-17	0%	0%	24																										
AB56680	MEP 2nd fix - 3F Sector D	30	08-Jan-18	06-Feb-18	12-Dec-17	13-Jan-18	0%	0%	24																										
AB56690	MEP Final fix - 3F Sector D	30	07-Feb-18	11-Mar-18	14-Jan-18	12-Feb-18	0%	0%	24																										
Plumbing & Drainage																																			
AB56700	P&D 1st fix - 3F Sector D	30	06-Dec-17	07-Jan-18	12-Nov-17	11-Dec-17	0%	0%	24																										
AB56710	P&D 2nd fix - 3F Sector D	30	08-Jan-18	06-Feb-18	12-Dec-17	13-Jan-18	0%	0%	24																										
AB56720	P&D Final fix - 3F Sector D	30	07-Feb-18	11-Mar-18	14-Jan-18	12-Feb-18	0%	0%	24																										
FS System																																			
AB56730	FS 1st fix - 3F Sector D	30	06-Dec-17	07-Jan-18	12-Nov-17	11-Dec-17	0%	0%	24																										
AB56740	FS 2nd fix - 3F Sector D	30	08-Jan-18	06-Feb-18	12-Dec-17	13-Jan-18	0%	0%	24																										
AB56750	FS Final fix - 3F Sector D	30	07-Feb-18	11-Mar-18	14-Jan-18	12-Feb-18	0%	0%	24																										
HVAC System																																			
AB56760	HVAC 1st fix - 3F Sector D	30	06-Dec-17	07-Jan-18	12-Nov-17	11-Dec-17	0%	0%	24																										
AB56770	HVAC 2nd fix - 3F Sector D	30	08-Jan-18	06-Feb-18	12-Dec-17	13-Jan-18	0%	0%	24																										
AB56780	HVAC Final fix - 3F Sector D	30	07-Feb-18	11-Mar-18	14-Jan-18	12-Feb-18	0%	0%	24																										
M+ Tower ABWF & BS Installation																																			
M+ Tower ABWF & BS Installation																																			
General Builders' Work																																			
A22780	3/F Builders' Works	50	19-Nov-17	10-Jan-18	17-Jan-18	10-Mar-18	0%	0%	-56																										
A22790	4/F Builders' Works	50	26-Nov-17	17-Jan-18	24-Jan-18	17-Mar-18	0%	0%	-56																										

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
CF10980	4/F Gas Suppression Cylinders	30	27-Sep-17	29-Oct-17	02-Feb-18	01-Mar-18	96.67%	0%	-117																														
CF10990	4/F ELV/ICT Room	30	27-Sep-17	29-Oct-17	02-Feb-18	01-Mar-18	96.67%	0%	-117																														
CF11000	5/F AHU Room	30	13-Oct-17	12-Nov-17	18-Feb-18	15-Mar-18	50%	0%	-117																														
CF11010	5/F Gas Suppression Cylinders	30	13-Oct-17	12-Nov-17	18-Feb-18	15-Mar-18	50%	0%	-117																														
CF11020	5/F ELV/ICT Room	30	13-Oct-17	12-Nov-17	18-Feb-18	15-Mar-18	50%	0%	-117																														
CF11030	6/F AHU Room	30	23-Oct-17	22-Nov-17	01-Mar-18	25-Mar-18	16.67%	0%	-117																														
CF11040	6/F ELV/ICT Room	30	23-Oct-17	22-Nov-17	01-Mar-18	25-Mar-18	16.67%	0%	-117																														
CF11050	7/F AHU Room	30	03-Nov-17	02-Dec-17	11-Mar-18	08-Apr-18	0%	0%	-117																														
CF11060	7/F ELV/ICT Room	30	03-Nov-17	02-Dec-17	11-Mar-18	08-Apr-18	0%	0%	-117																														
CF11070	8/F Chiller Water Pump Room	30	11-Dec-17	12-Jan-18	15-Apr-18	10-May-18	0%	0%	-110																														
CF11080	8/F AHU Room	30	11-Nov-17	10-Dec-17	17-Mar-18	14-Apr-18	0%	0%	-115																														
CF11090	8/F Water Tank & Pump Room	30	11-Nov-17	10-Dec-17	17-Mar-18	14-Apr-18	0%	0%	-115																														
CF11100	8/F H.P. & A.C.C. Room	30	11-Dec-17	12-Jan-18	15-Apr-18	10-May-18	0%	0%	-110																														
CF11510	8/F Acoustic Slab Construction	30	11-Nov-17	10-Dec-17	17-Mar-18	14-Apr-18	0%	0%	-115																														
General Finishes																																							
CF10250	Gypsum Board Ceiling (6/F & 7/F Toilet Area)	60	06-Jan-18	09-Mar-18	16-May-18	17-Jul-18	0%	0%	-122																														
CF10260	Wall Plastering (6/F & 7/F Toilet Area)	60	23-Oct-17	22-Dec-17	01-Mar-18	04-May-18	8.33%	0%	-122																														
CF10270	Floor Screeding (6/F & 7/F Toilet Area)	60	08-Nov-17	09-Jan-18	16-Mar-18	19-May-18	0%	0%	-122																														
CF10280	Waterproofing & Protective Screeding (6/F & 7/F Toilet Area)	60	15-Nov-17	16-Jan-18	23-Mar-18	27-May-18	0%	0%	-122																														
CF10290	Wall Tiling (6/F & 7/F Toilet Area)	60	22-Nov-17	23-Jan-18	01-Apr-18	03-Jun-18	0%	0%	-122																														
CF10300	Floor Tiling (6/F & 7/F Toilet Area)	60	06-Dec-17	06-Feb-18	17-Apr-18	17-Jun-18	0%	0%	-122																														
CF10310	Ceiling Finishes (Lobby & Corridor)	60	13-Dec-17	13-Feb-18	24-Apr-18	25-Jun-18	0%	0%	-122																														
CF10320	Floor Finishes (BOH)	60	20-Dec-17	23-Feb-18	02-May-18	03-Jul-18	0%	0%	-122																														
CF10390	Metal Works/AP/Hosereels, etc. Installation	60	29-Dec-17	02-Mar-18	09-May-18	10-Jul-18	0%	0%	-122																														
CF10410	Ceiling Finishes (6/F & 7/F Toilet Area)	60	29-Nov-17	30-Jan-18	10-Apr-18	10-Jun-18	0%	0%	-122																														
Fitting Out Works																																							
CF10430	1/F Scrolls/Paintings/Art Storage Finishes	90	06-Dec-17	11-Mar-18	18-Apr-18	20-Jul-18	0%	0%	-123																														
CF10440	2/F Oversize 2 Inorganic/ 3 Paintings/ Photo Studio Finishes	90	21-Dec-17	26-Mar-18	04-May-18	04-Aug-18	0%	0%	-123																														
CF11110	3/F Objects Organic Mixed /Apparatur Finishes	90	08-Jan-18	14-Apr-18	19-May-18	19-Aug-18	0%	0%	-123																														
CF11120	4/F Objects Organic/ Textile/ Works on Paper Finishes	90	23-Jan-18	29-Apr-18	04-Jun-18	03-Sep-18	0%	0%	-123																														
External Finishes																																							
CF10770	Precast Concrete Roof Cladding Installation (General)	45	11-Nov-17	05-Jan-18	17-Mar-18	14-May-18	0%	0%	-102																														
CF10780	Fall Arrest System Installation	30	06-Jan-18	09-Feb-18	15-May-18	20-Jun-18	0%	0%	-102																														
CF10800	2/F Louvres Installation	22	30-Aug-17	23-Sep-17	06-Jan-18	31-Jan-18	100%	0%	-105																														
CF10810	6/F Curtain Wall Installation	15	13-Oct-17	31-Oct-17	20-Feb-18	08-Mar-18	86.67%	0%	-104																														
CF10820	7/F Curtain Wall Installation	15	01-Nov-17	17-Nov-17	09-Mar-18	26-Mar-18	0%	0%	-104																														
CF10830	8/F Curtain Wall Installation	15	18-Nov-17	05-Dec-17	27-Mar-18	17-Apr-18	0%	0%	-104																														
CF10840	6/F Terrace Planking Installation	15	06-Dec-17	22-Dec-17	18-Apr-18	05-May-18	0%	0%	-104																														
Building Services Installation																																							
General																																							
CF10850	H.L. Services First Fix	200	11-Aug-17	07-Mar-18	17-Dec-17	18-Jul-18	38%	0%	-125																														
CF10860	H.L. Services Second Fix & Wiring Works	100	06-Dec-17	21-Mar-18	14-Apr-18	26-Jul-18	0%	0%	-119																														
Plant Rooms																																							
CF11240	G/F AHU Room Installation	45	10-Sep-17	26-Oct-17	14-Jan-18	02-Mar-18	100%	0%	-120																														
CF11260	1/F AHU Room Installation	45	10-Sep-17	26-Oct-17	14-Jan-18	02-Mar-18	100%	0%	-120																														
CF11270	1/F Gas Suppression Cylinders Installation	45	10-Sep-17	26-Oct-17	14-Jan-18	02-Mar-18	100%	0%	-120																														

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
CF11280	1/F ELV/ICT Room Installation	45	10-Sep-17	26-Oct-17	14-Jan-18	02-Mar-18	100%	0%	-120																														
CF11290	2/F AHU Room Installation	45	29-Sep-17	15-Nov-17	31-Jan-18	19-Mar-18	60%	0%	-118																														
CF11300	2/F Gas Suppression Cylinders Installation	45	29-Sep-17	15-Nov-17	31-Jan-18	19-Mar-18	60%	0%	-118																														
CF11310	2/F ELV/ICT Room Installation	45	29-Sep-17	15-Nov-17	31-Jan-18	19-Mar-18	60%	0%	-118																														
CF11340	3/F AHU Room Installation	45	15-Oct-17	29-Nov-17	13-Feb-18	04-Apr-18	28.89%	0%	-117																														
CF11350	3/F Gas Suppression Cylinders Installation	45	15-Oct-17	29-Nov-17	13-Feb-18	04-Apr-18	28.89%	0%	-117																														
CF11360	3/F ELV/ICT Room Installation	45	15-Oct-17	29-Nov-17	13-Feb-18	04-Apr-18	28.89%	0%	-117																														
CF11370	4/F AHU Room Installation	45	30-Oct-17	13-Dec-17	02-Mar-18	19-Apr-18	0%	0%	-117																														
CF11380	4/F Gas Suppression Cylinders Installation	45	30-Oct-17	13-Dec-17	02-Mar-18	19-Apr-18	0%	0%	-117																														
CF11390	4/F ELV/ICT Room Installation	45	30-Oct-17	13-Dec-17	02-Mar-18	19-Apr-18	0%	0%	-117																														
CF11400	5/F AHU Room Installation	45	13-Nov-17	29-Dec-17	16-Mar-18	04-May-18	0%	0%	-117																														
CF11410	5/F Gas Suppression Cylinders Installation	45	13-Nov-17	29-Dec-17	16-Mar-18	04-May-18	0%	0%	-117																														
CF11420	5/F ELV/ICT Room Installation	45	13-Nov-17	29-Dec-17	16-Mar-18	04-May-18	0%	0%	-117																														
CF11430	6/F AHU Room Installation	45	23-Nov-17	09-Jan-18	26-Mar-18	14-May-18	0%	0%	-117																														
CF11440	6/F ELV/ICT Room Installation	45	23-Nov-17	09-Jan-18	26-Mar-18	14-May-18	0%	0%	-117																														
CF11450	7/F AHU Room Installation	45	03-Dec-17	19-Jan-18	09-Apr-18	25-May-18	0%	0%	-117																														
CF11460	7/F ELV/ICT Room Installation	45	03-Dec-17	19-Jan-18	09-Apr-18	25-May-18	0%	0%	-117																														
CF11470	8/F Chiller Water Pump Room Installation	56	13-Jan-18	12-Mar-18	11-May-18	08-Jul-18	0%	0%	-110																														
CF11480	8/F AHU Room Installation	45	11-Dec-17	27-Jan-18	15-Apr-18	31-May-18	0%	0%	-115																														
CF11490	8/F Water Tank & Pump Room Installation	56	11-Dec-17	07-Feb-18	15-Apr-18	11-Jun-18	0%	0%	-115																														
CF11500	8/F H.P. & A.C.C. Room Installation	150	13-Jan-18	21-Jun-18	11-May-18	12-Oct-18	0%	0%	-110																														
CF11540	AHU Move In G/F to 7/F	15	03-Dec-17	17-Dec-17	09-Apr-18	23-Apr-18	0%	0%	-117																														
CF11550	AHU Move In 8/F	8	13-Jan-18	20-Jan-18	11-May-18	18-May-18	0%	0%	-110																														
RDE ABWF & BS Installation																																							
Internal Finishes																																							
Critical Plant Rooms Builders' Work																																							
RD10140	1/F SED Plenum	30	17-Sep-17	18-Oct-17	21-Jan-18	22-Feb-18	100%	0%	-120																														
General Finishes																																							
RD10210	Blockwall Erection 1st Fix	150	17-Sep-17	22-Feb-18	21-Jan-18	29-Jun-18	26%	0%	-120																														
RD10220	Blockwall Erection 2nd Fix	150	11-Oct-17	16-Mar-18	12-Feb-18	22-Jul-18	11.33%	0%	-120																														
RD10230	Wall Plastering (Toilet Area)	150	26-Oct-17	03-Apr-18	02-Mar-18	06-Aug-18	1.33%	0%	-120																														
RD10240	Floor Screeding (Toilet Area)	150	11-Nov-17	19-Apr-18	17-Mar-18	21-Aug-18	0%	0%	-120																														
RD10250	Waterproofing & Protective Screeding (Toilet Area)	150	18-Nov-17	26-Apr-18	24-Mar-18	28-Aug-18	0%	0%	-120																														
RD10260	Wall Tiling (Toilet Area)	150	25-Nov-17	04-May-18	03-Apr-18	04-Sep-18	0%	0%	-120																														
RD10270	Ceiling Finishes (Toilet Area)	150	02-Dec-17	11-May-18	11-Apr-18	11-Sep-18	0%	0%	-120																														
RD10280	Floor Tiling (Toilet Area)	150	09-Dec-17	18-May-18	18-Apr-18	18-Sep-18	0%	0%	-120																														
RD10290	Ceiling Finishes (Lobby & Corridor)	150	16-Dec-17	26-May-18	25-Apr-18	26-Sep-18	0%	0%	-120																														
RD10300	Floor Finishes (BOH)	150	23-Dec-17	02-Jun-18	03-May-18	04-Oct-18	0%	0%	-120																														
RD10370	Metal Works/AP/Hosereels, etc. Installation	150	02-Jan-18	09-Jun-18	10-May-18	11-Oct-18	0%	0%	-120																														
RD10460	Gypsum Board Ceiling (Toilet Area)	150	09-Jan-18	16-Jun-18	17-May-18	19-Oct-18	0%	0%	-120																														
Fitting Out Works																																							
RD10000	2/F Kitchen Finishes	60	11-Dec-17	11-Feb-18	20-Apr-18	21-Jun-18	0%	0%	-120																														
RD10010	3/F Kitchen Finishes	60	13-Jan-18	16-Mar-18	21-May-18	22-Jul-18	0%	0%	-120																														
External Finishes																																							
RD10510	2/F to 14/F Curtain Wall Installation	150	19-Dec-17	29-May-18	26-Apr-18	24-Sep-18	0%	0%	-116																														
Building Services Installation																																							

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December				January				February		
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	
General																														
RD10750	H.L.Services First Fix	225	17-Sep-17	13-May-18	21-Jan-18	13-Sep-18	17.33%	0%	-120																					
RD10760	H.L.Services Second Fix & Wiring Works	180	31-Dec-17	10-Jul-18	07-May-18	03-Nov-18	0%	0%	-113																					
Plant Rooms																														
RD10610	1/F SED Plenum Installation	38	19-Oct-17	26-Nov-17	23-Feb-18	04-Apr-18	23.68%	0%	-120																					
ICP & SPS Construction																														
Key Dates																														
A31600	Practical Completion of SPS & H/O to DSD	0		15-Sep-17		15-Nov-17	100%	0%	-49	◆ Practical Completion of SPS& H/O to DSD,																				
SPS WORKS (Sewerage Pumping Station)																														
Pre-Construction Works																														
A55910	SPS - Confirmation of perforated corrugated cladding by FAC/MJV	0	20-May-17		30-Oct-17		100%	0%	-134	◆ SPS - Confirmation of perforated corrugated cladding by FAC/MJV, 30-Oct-17																				
SPS - ABWF & Building Services Installation																														
Pump Station																														
B1/F - Pump Station																														
BS Installation																														
A55770	SPS - MEP 2nd fix	7	23-Jun-17	30-Jun-17	18-Jul-17 A	07-Oct-17 A	100%	100%	-82																					
A55780	SPS - Install Soil & Waste Water Pump Set	18	23-Jun-17	14-Jul-17	09-Sep-17 A	07-Oct-17 A	100%	100%	-71																					
A56610	SPS - Install Sewage Water Pump Set (3 nos.)	18	23-Jun-17	14-Jul-17	28-Aug-17 A	07-Oct-17 A	100%	100%	-71																					
Final Finishes																														
A55790	Apply floor sealer	3	15-Jul-17	18-Jul-17	30-Oct-17	01-Nov-17	100%	0%	-88																					
A55800	Door & ironmongeries installation	5	19-Jul-17	24-Jul-17	11-Aug-17 A	30-Oct-17	100%	99%	-81																					
A56580	Davit installation & GRP cover	5	19-Jul-17	24-Jul-17	17-Jul-17 A	01-Nov-17	100%	95%	-83																					
CLP Meter Cabinet Room																														
Builders' Work																														
A31950	CLP Cabinet Room - Sealer on floor	3	20-May-17	24-May-17	05-Sep-17 A	31-Oct-17	100%	50%	-133																					
Final Finishes																														
A31940	CLP Cabinet Room - Install doors, grated drains, & Misc. Items	3	27-Jun-17	29-Jun-17	23-Sep-17 A	31-Oct-17	100%	50%	-102																					
LV Switch Room																														
BS Installation																														
A32050	SPS - MEP 2nd fix	7	19-May-17	26-May-17	19-May-17 A	07-Oct-17 A	100%	100%	-111																					
A32060	SPS - Install LV Main Distribution Board	21	26-May-17	21-Jun-17	03-Jul-17 A	07-Oct-17 A	100%	100%	-90																					
A56550	SPS - Setup LV Main Distribution Board & SAT	6	21-Jun-17	28-Jun-17	15-Jul-17 A	21-Oct-17 A	100%	100%	-96																					
Fire Control Centre																														
BS Installation																														
A56050	SPS - MEP 2nd & Final Fix for Fire Control Centre	14	27-May-17	13-Jun-17	19-Jun-17 A	07-Oct-17 A	100%	100%	-97																					
Final Finishes																														
A56070	Apply sealer on floor	3	20-Jun-17	22-Jun-17	07-Oct-17 A	21-Oct-17 A	100%	100%	-101																					
Sprinkler Pump Room																														
BS Installation																														
A32200	SPS - MEP 2nd Fix	12	17-May-17	31-May-17	17-May-17 A	07-Oct-17 A	100%	100%	-108																					
Fan Room																														
BS Installation																														
A56530	SPS - Install Fans (2 nos.) & Equipment	28	19-May-17	21-Jun-17	19-May-17 A	07-Oct-17 A	100%	100%	-90																					
A56540	SPS - MEP 2nd & final fix	6	22-Jun-17	28-Jun-17	29-Jul-17 A	07-Oct-17 A	100%	100%	-84																					
Final Finishes																														
A56120	Apply floor sealer	3	05-Jul-17	07-Jul-17	07-Oct-17 A	21-Oct-17 A	100%	100%	-89																					

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February								
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05									
A56130	Door & ironmongeries installation	3	05-Jul-17	07-Jul-17	14-Aug-17 A	21-Oct-17 A	100%	100%	-89																													
Pump Station Service Yard																																						
BS Installation																																						
A55760	SPS - MEP 2nd Fix for Pump Station Service Yard	14	08-Jun-17	23-Jun-17	29-May-17 A	07-Oct-17 A	100%	100%	-88																													
Final Finishes																																						
A56510	Apply floor sealer	5	08-Jul-17	13-Jul-17	06-Oct-17 A	14-Oct-17 A	100%	100%	-78																													
Cleansing & Flushing Water Tank Room																																						
Builders' Work																																						
A56200	Install glass-fibre water tank supporting frame	6	25-May-17	01-Jun-17	30-Oct-17	04-Nov-17	100%	0%	-130																													
BS Installation																																						
A32160	SPS - Install Pumps, Valves & Equipment	36	25-May-17	07-Jul-17	21-Jun-17 A	07-Oct-17 A	100%	100%	-77																													
Final Finishes																																						
A56220	Apply floor sealer	3	24-Jul-17	26-Jul-17	07-Oct-17 A	21-Oct-17 A	100%	100%	-73																													
Accessible Unisex Toilet																																						
BS Installation																																						
A56360	SPS - MEP 2nd Fix for Accessible Unisex Toilet	14	13-Jun-17	28-Jun-17	10-Jul-17 A	07-Oct-17 A	100%	100%	-84																													
Corridor																																						
BS Installation																																						
A56180	SPS - MEP 2nd Fix for Corridor	14	17-Jun-17	04-Jul-17	26-Jun-17 A	07-Oct-17 A	100%	100%	-80																													
Final Finishes																																						
A56410	Apply paint on ceiling & wall	7	13-Jul-17	20-Jul-17	23-Jun-17 A	30-Oct-17	100%	99%	-84																													
Staircase																																						
Builders' Work																																						
A56430	Wall Plastering & screeding	12	12-May-17	25-May-17	12-May-17 A	30-Oct-17	100%	99%	-130																													
BS Installation																																						
A56450	SPS - MEP 2nd Fix for Staircases	14	05-Jun-17	20-Jun-17	26-Jun-17 A	07-Oct-17 A	100%	100%	-91																													
Final Finishes																																						
A56480	Install Door & ironmongeries	3	07-Jul-17	10-Jul-17	11-Aug-17 A	30-Oct-17	100%	99%	-93																													
SPS - External Envelope																																						
A32220	SPS - Install GRC Architectural Louvre & Bracket	7	05-Jun-17	12-Jun-17	21-Jul-17 A	31-Oct-17	100%	75%	-117																													
A56560	SPS - Install perforated corrugated cladding	12	19-Jul-17	01-Aug-17	18-Sep-17 A	31-Oct-17	100%	99%	-75																													
A56570	SPS - Final Fix & Facade Final Cleaning	6	02-Aug-17	08-Aug-17	30-Oct-17	01-Nov-17	100%	0%	-70																													
SPS - Access Pavement																																						
A56590	SPS - Backfilling	2	05-Jul-17	06-Jul-17	30-Oct-17	31-Oct-17	100%	0%	-97																													
A56600	SPS - Construct SPS access pavement	10	07-Jul-17	18-Jul-17	01-Nov-17	07-Nov-17	100%	0%	-93																													
SPS - Testing & Commissioning																																						
A32240	SPS - Testing and Commissioning	20	15-Jul-17	07-Aug-17	11-Sep-17 A	31-Oct-17	100%	80%	-82																													
SPS - Statutory Inspection																																						
FS Water																																						
A32300	SPS - Inspection and Approval by WSD	2	11-Jul-17	12-Jul-17	14-Aug-17 A	28-Sep-17 A	100%	100%	-67																													
A32305	SPS - Water Sample (2 nos.) & Report Submission	9	13-Jul-17	21-Jul-17	29-Sep-17 A	01-Oct-17 A	100%	100%	-72																													
A32310	SPS - Issuance of WW046 (Part 5) by WSD (Water Certificate)	14	22-Jul-17	04-Aug-17	02-Oct-17 A	07-Oct-17 A	100%	100%	-64																													
A32320	SPS - Water Meter Connection (FS) by WSD	4	05-Aug-17	08-Aug-17	30-Oct-17	02-Nov-17	100%	0%	-86																													
Potable Water / Flushing Water																																						
A32375	SPS - Water Sample (2 nos.) & Report Submission	10	11-Jul-17	20-Jul-17	29-Oct-17	03-Nov-17	100%	0%	-106																													
A32390	SPS - Water Meter Connection (Plumbing) by WSD	4	04-Aug-17	07-Aug-17	30-Oct-17	02-Nov-17	100%	0%	-87																													

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29					
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05						
FSD (Fire Services)																																			
A32410	SPS - FSD Inspections & Obta in FS Certificate	30	09-Aug-17	07-Sep-17	04-Oct-17 A	29-Oct-17	100%	95%	-52																										
DSD																																			
A32250	SPS - Handover to DSD	8	08-Sep-17	15-Sep-17	10-Nov-17	15-Nov-17	100%	0%	-61																										
ICP WORKS (Interfacing Car Park)																																			
Stage 3																																			
Miscellaneous Structure Above Grd Slab / Roof Deck																																			
Gridline 1a - 5a /Fa-Ma																																			
A35170	Construct Vent Ducts / Staircases / Lift Shaft on Upper Roof	16	25-May-17	13-Jun-17	22-Jun-17 A	30-Oct-17	100%	98%	-115																										
A35180	SPS and ICP - Non-Deferred Access for Backfilling Works	0		03-Jul-17		17-Nov-17	100%	0%	-99																										
A35190	Diversion of Traffic and Hoarding modification	14	04-Jul-17	19-Jul-17	18-Nov-17	04-Dec-17	100%	0%	-118																										
Gridline 5a - 9a /Da-Ma																																			
A35220	Diversion of Traffic and Hoarding modification	14	10-Jun-17	26-Jun-17	30-Oct-17	15-Nov-17	100%	0%	-122																										
Dismantle TC 5 & Infill openings																																			
A35230	Dismantle Tower Crane TC5	3	01-Jun-17	03-Jun-17	10-Jul-17 A	30-Oct-17	100%	50%	-123																										
A35240	Concrete In-Fill from Roof to B1/slab Openings	9	05-Jun-17	14-Jun-17	31-Oct-17	02-Nov-17	100%	0%	-117																										
ICP - ABWF Works																																			
B2 Slab Construction (Phase 1)																																			
Portion A12 - B2 Slab (200 thk) @ Lvl -0.05mPD																																			
A35260	Portion A12 - Granular Fill on Top of Pilecaps & Bottom slab	3	22-May-17	24-May-17	28-Aug-17 A	21-Oct-17 A	100%	100%	-125																										
A35270	Portion A12 - Construct B2 Slab	6	25-May-17	01-Jun-17	21-Oct-17 A	01-Nov-17	100%	75%	-127																										
Portion A13 - B2 Slab (200 thk) @ Lvl -0.05mPD																																			
A35290	Portion A13 - Granular Fill on Top of Pilecaps & Bottom slab	3	22-May-17	24-May-17	29-Aug-17 A	21-Oct-17 A	100%	100%	-125																										
A35300	Portion A13 - Construct B2 Slab	6	25-May-17	01-Jun-17	21-Oct-17 A	31-Oct-17	100%	75%	-126																										
Portion B14 - B2 Slab (200 thk) @ Lvl -0.05mPD																																			
A35320	Portion B14 - Granular Fill on Top of Pilecaps & Bottom slab	3	22-May-17	24-May-17	19-Oct-17 A	21-Oct-17 A	100%	100%	-125																										
A35330	Portion B14 - Construct B2 Slab	6	25-May-17	01-Jun-17	28-Oct-17 A	04-Nov-17	100%	75%	-130																										
Portion B15 - B2 Slab (200 thk) @ Lvl -0.05mPD																																			
A35350	Portion B15 - Granular Fill on Top of Pilecaps & Bottom slab	3	03-Jun-17	06-Jun-17	19-Oct-17 A	21-Oct-17 A	100%	100%	-115																										
A35360	Portion B15 - Construct B2 Slab	6	07-Jun-17	13-Jun-17	28-Oct-17 A	04-Nov-17	100%	75%	-120																										
B2 Slab Construction (Phase 2)																																			
Portion A14 - B2 Slab (200 thk) @ Lvl -0.05mPD																																			
A35380	Portion A14 - Granular Fill on Top of Pilecaps & Bottom slab	3	22-May-17	24-May-17	25-Aug-17 A	21-Oct-17 A	100%	100%	-125																										
A35390	Portion A14 - Construct B2 Slab	6	25-May-17	01-Jun-17	04-Sep-17 A	03-Nov-17	100%	90%	-129																										
Portion A15 - B2 Slab (200 thk) @ Lvl -0.05mPD																																			
A35410	Portion A15 - Granular Fill on Top of Pilecaps & Bottom slab	3	22-May-17	24-May-17	07-Aug-17 A	21-Oct-17 A	100%	100%	-125																										
A35420	Portion A15 - Construct B2 Slab	6	25-May-17	01-Jun-17	04-Sep-17 A	01-Nov-17	100%	90%	-127																										
Portion B16 - B2 Slab (200 thk) @ Lvl -0.05mPD																																			
A35440	Portion B16 - Granular Fill on Top of Pilecaps & Bottom slab	3	27-May-17	31-May-17	19-Oct-17 A	21-Oct-17 A	100%	100%	-120																										
A35450	Portion B16 - Construct B2 Slab	6	01-Jun-17	07-Jun-17	28-Oct-17 A	04-Nov-17	100%	75%	-125																										
Portion B17 - B2 Slab (200 thk) @ Lvl -0.05mPD																																			
A35470	Portion B17 - Granular Fill on Top of Pilecaps & Bottom slab	3	27-May-17	31-May-17	19-Oct-17 A	21-Oct-17 A	100%	100%	-120																										
A35480	Portion B17 - Construct B2 Slab	6	01-Jun-17	07-Jun-17	28-Oct-17 A	04-Nov-17	100%	50%	-125																										
B2 Slab Construction (Phase 3)																																			
Portion A16 - B2 Slab (200 thk) @ Lvl -0.05mPD																																			
A35510	Portion A16 - Construct B2 Slab	6	23-Jun-17	30-Jun-17	22-Aug-17 A	28-Oct-17 A	100%	100%	-100																										

◆ SPS and ICP - Non-Deferred Access for Backfilling Works,

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February		
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05			
Portion B18 - B2 Slab (200 thk) @ Lvl -0.05mPD																																
A35520	Portion B18 - Preparation Works	1	23-Jun-17	23-Jun-17	07-Aug-17 A	30-Sep-17 A	100%	100%	-84																							
A35530	Portion B18 - Granular Fill on Top of Pilecaps & Bottom slab	3	24-Jun-17	27-Jun-17	07-Oct-17 A	21-Oct-17 A	100%	100%	-97																							
A35540	Portion B18 - Construct B2 Slab	6	28-Jun-17	05-Jul-17	21-Oct-17 A	28-Oct-17 A	100%	100%	-96																							
Portion A17 - B2 Slab (200 thk) @ Lvl -0.05mPD																																
A35560	Portion A17 - Granular Fill on Top of Pilecaps & Bottom slab	3	07-Jun-17	09-Jun-17	22-Aug-17 A	21-Oct-17 A	100%	100%	-112																							
A35570	Portion A17 - Construct B2 Slab	6	10-Jun-17	16-Jun-17	12-Sep-17 A	03-Nov-17	100%	75%	-116																							
Portion B19 - B2 Slab (200 thk) @ Lvl -0.05mPD																																
A35590	Portion B19 - Granular Fill on Top of Pilecaps & Bottom slab	3	19-Jun-17	21-Jun-17	07-Oct-17 A	21-Oct-17 A	100%	100%	-102																							
A35600	Portion B19 - Construct B2 Slab	6	22-Jun-17	28-Jun-17	21-Oct-17 A	01-Nov-17	100%	75%	-104																							
Portion B20 - B2 Slab (200 thk) @ Lvl -0.05mPD																																
A35640	Portion B20 - Preparation Works	1	16-Jun-17	16-Jun-17	28-Aug-17 A	21-Oct-17 A	100%	100%	-106																							
A35650	Portion B20 - Granular Fill on Top of Pilecaps & Bottom slab	3	17-Jun-17	20-Jun-17	19-Oct-17 A	21-Oct-17 A	100%	100%	-103																							
A35660	Portion B20 - Construct B2 Slab	6	21-Jun-17	27-Jun-17	28-Oct-17 A	04-Nov-17	100%	75%	-108																							
Portion B21 - B2 Slab (200 thk) @ Lvl -0.05mPD																																
A35670	Portion B21 - Preparation Works	1	12-Jul-17	12-Jul-17	29-Aug-17 A	30-Sep-17 A	100%	100%	-69																							
A35680	Portion B21 - Granular Fill on Top of Pilecaps & Bottom slab	3	13-Jul-17	15-Jul-17	14-Oct-17 A	28-Oct-17 A	100%	100%	-87																							
A35690	Portion B21 - Construct B2 Slab	6	17-Jul-17	22-Jul-17	28-Oct-17 A	02-Nov-17	100%	30%	-85																							
Portion B22 - B2 Slab (200 thk) @ Lvl -0.05mPD																																
A35710	Portion B22 - Granular Fill on Top of Pilecaps & Bottom slab	3	21-Jun-17	23-Jun-17	21-Oct-17 A	28-Oct-17 A	100%	100%	-105																							
A35720	Portion B22 - Construct B2 Slab	6	24-Jun-17	30-Jun-17	28-Oct-17 A	02-Nov-17	100%	30%	-103																							
Portion B23 - B2 Slab (200 thk) @ Lvl -0.05mPD																																
A35760	Portion B23 - Preparation Works	1	16-Jun-17	16-Jun-17	05-Sep-17 A	21-Oct-17 A	100%	100%	-106																							
A35770	Portion B23 - Granular Fill on Top of Pilecaps & Bottom slab	3	17-Jun-17	20-Jun-17	19-Oct-17 A	21-Oct-17 A	100%	100%	-103																							
A35780	Portion B23 - Construct B2 Slab	6	21-Jun-17	27-Jun-17	28-Oct-17 A	04-Nov-17	100%	30%	-108																							
Portion A21 - B2 Slab (200 thk) @ Lvl -0.05mPD																																
A35840	Portion A21 - Construct B2 Slab	6	06-Jul-17	12-Jul-17	21-Aug-17 A	21-Oct-17 A	100%	100%	-85																							
Portion B24 - B2 Slab (200 thk) @ Lvl -0.05mPD																																
A35850	Portion B24 - Preparation Works	1	15-Jun-17	16-Jun-17	29-Aug-17 A	30-Sep-17 A	100%	100%	-90																							
A35860	Portion B24 - Granular Fill on Top of Pilecaps & Bottom slab	3	16-Jun-17	20-Jun-17	29-Sep-17 A	21-Oct-17 A	100%	100%	-103																							
A35870	Portion B24 - Construct B2 Slab	6	20-Jun-17	27-Jun-17	07-Oct-17 A	02-Nov-17	100%	75%	-106																							
B2/F to B1/F ABWF and Fitout Works																																
Portion A (Phase 1)																																
A35880	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	40	14-Jun-17	31-Jul-17	14-Nov-17	02-Jan-18	100%	0%	-127																							
A35890	Fitout Works - Internal Ceiling & Wall Painting	40	28-Jul-17	12-Sep-17	29-Dec-17	14-Feb-18	100%	0%	-127																							
A35900	Fitout Works - Install bituminous road base for driveway	25	13-Sep-17	13-Oct-17	15-Feb-18	19-Mar-18	100%	0%	-127																							
A35910	Fitout Works - Install doors, grated drains, MOE steps & Signage	20	14-Oct-17	07-Nov-17	20-Mar-18	16-Apr-18	60%	0%	-127																							
A35920	Remaining Fitout Works (B1/F) - After Removal of TC5@ GL 4a-5a/Ea-F	14	08-Nov-17	23-Nov-17	17-Apr-18	03-May-18	0%	0%	-127																							
Portion A (Phase 2)																																
A35930	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	40	02-Jun-17	19-Jul-17	04-Nov-17	20-Dec-17	100%	0%	-129																							
A35940	Fitout Works - Internal Ceiling & Wall Painting	40	08-Jul-17	23-Aug-17	09-Dec-17	27-Jan-18	100%	0%	-129																							
A35960	Fitout Works - Install doors, grated drains, MOE steps & Signage	20	22-Sep-17	17-Oct-17	02-Mar-18	24-Mar-18	100%	0%	-129																							
A35970	Remaining Fitout Works (B1/F) - After Removal of TC5@ GL 4a-5a/Ea-F	14	18-Oct-17	03-Nov-17	26-Mar-18	14-Apr-18	64.29%	0%	-129																							
Portion A (Phase 3)																																
A35980	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	50	05-Jul-17	01-Sep-17	02-Nov-17	02-Jan-18	100%	0%	-100																							
A35990	Fitout Works - Internal Ceiling & Wall Painting	50	17-Jul-17	13-Sep-17	15-Dec-17	14-Feb-18	100%	0%	-127																							

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February								
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05									
A36000	Fitout Works - Install bituminous road base for driveway	30	14-Oct-17	18-Nov-17	20-Mar-18	27-Apr-18	40%	0%	-127																													
A36010	Fitout Works - Install doors, grated drains, MOE steps & Signage	20	20-Nov-17	12-Dec-17	28-Apr-18	23-May-18	0%	0%	-127																													
A36020	Remaining Fitout Works (B1/F) - After Removal of TC5 @ GL 4a-5a/Ea	16	13-Dec-17	03-Jan-18	24-May-18	11-Jun-18	0%	0%	-127																													
Portion B (Phase 1)																																						
A36030	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	40	20-May-17	07-Jul-17	30-Oct-17	14-Dec-17	100%	0%	-134																													
A36040	Fitout Works - Internal Ceiling & Wall Painting	40	05-Jul-17	19-Aug-17	12-Dec-17	30-Jan-18	100%	0%	-134																													
A36060	Fitout Works - Install doors, grated drains, MOE steps & Signage	20	13-Sep-17	07-Oct-17	27-Feb-18	21-Mar-18	100%	0%	-134																													
Portion B (Phase 2)																																						
A36070	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	50	26-Jun-17	23-Aug-17	23-Nov-17	23-Jan-18	100%	0%	-125																													
A36080	Fitout Works - Internal Ceiling & Wall Painting	50	09-Aug-17	07-Oct-17	09-Jan-18	10-Mar-18	100%	0%	-125																													
A36090	Fitout Works - Install bituminous road base for driveway	30	09-Oct-17	13-Nov-17	12-Mar-18	19-Apr-18	56.67%	0%	-125																													
A36100	Fitout Works - Install doors, grated drains, MOE steps & Signage	30	14-Nov-17	18-Dec-17	20-Apr-18	26-May-18	0%	0%	-125																													
Portion B (Phase 3)																																						
A36110	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	50	04-Aug-17	30-Sep-17	16-Nov-17	16-Jan-18	100%	0%	-86																													
A36120	Fitout Works - Internal Ceiling & Wall Painting	50	07-Sep-17	07-Nov-17	20-Dec-17	22-Feb-18	84%	0%	-86																													
A36130	Fitout Works - Install bituminous road base for driveway	30	08-Nov-17	12-Dec-17	23-Feb-18	29-Mar-18	0%	0%	-86																													
A36140	Fitout Works - Install doors, grated drains, MOE steps & Signage	30	13-Dec-17	19-Jan-18	03-Apr-18	09-May-18	0%	0%	-86																													
B1/F to Roof ABWF and Fitout Works																																						
Portion A																																						
Phase 1 & 2																																						
A36150	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	60	15-Jun-17	24-Aug-17	30-Oct-17	10-Jan-18	100%	0%	-113																													
A36160	Fitout Works - Internal Ceiling & Wall Painting	60	27-Jul-17	06-Oct-17	09-Dec-17	23-Feb-18	100%	0%	-113																													
A36170	Fitout Works - Install bituminous road base for driveway	30	07-Oct-17	11-Nov-17	24-Feb-18	03-Apr-18	60%	0%	-113																													
A36180	Fitout Works - Install doors, grated drains, MOE steps & Signage	30	07-Oct-17	11-Nov-17	24-Feb-18	03-Apr-18	60%	0%	-113																													
Phase 3																																						
A36190	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	60	15-Jun-17	24-Aug-17	30-Oct-17	10-Jan-18	100%	0%	-113																													
A36200	Fitout Works - Internal Ceiling & Wall Painting	60	27-Jul-17	06-Oct-17	09-Dec-17	23-Feb-18	100%	0%	-113																													
A36210	Fitout Works - Install bituminous road base for driveway	30	07-Oct-17	11-Nov-17	24-Feb-18	03-Apr-18	60%	0%	-113																													
A36220	Fitout Works - Install doors, grated drains, MOE steps & Signage	30	07-Oct-17	11-Nov-17	24-Feb-18	03-Apr-18	60%	0%	-113																													
Portion B																																						
Phase 1 & 2																																						
A36230	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	75	25-Jul-17	21-Oct-17	30-Oct-17	27-Jan-18	100%	0%	-80																													
A36240	Fitout Works - Internal Ceiling & Wall Painting	75	25-Aug-17	23-Nov-17	30-Nov-17	03-Mar-18	70.67%	0%	-80																													
A36250	Fitout Works - Install bituminous road base for driveway	40	24-Nov-17	12-Jan-18	05-Mar-18	24-Apr-18	0%	0%	-80																													
A36260	Fitout Works - Install doors, grated drains, MOE steps & Signage	40	24-Nov-17	12-Jan-18	05-Mar-18	24-Apr-18	0%	0%	-80																													
Phase 3																																						
A36270	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	60	23-Oct-17	04-Jan-18	29-Jan-18	16-Apr-18	8.33%	0%	-80																													
A36280	Fitout Works - Internal Ceiling & Wall Painting	60	24-Nov-17	05-Feb-18	05-Mar-18	18-May-18	0%	0%	-80																													
ICP - Building Services																																						
B2/F level																																						
Electrical																																						
Phase 1 & 2																																						
A36310	ICP (Electrical) - B2/F Building Services (1st Fix)	30	05-Sep-17	11-Oct-17	01-Sep-17 A	03-Nov-17	100%	55%	-19																													
A36320	ICP (Electrical) - B2/F Building Services (2nd / Final Fix) & Testing	45	12-Oct-17	04-Dec-17	04-Nov-17	28-Dec-17	31.11%	0%	-19																													
Phase 3																																						
A36330	ICP (Electrical) - B2/F Building Services (1st Fix)	40	01-Sep-17	20-Oct-17	01-Sep-17 A	10-Nov-17	100%	50%	-18																													

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November				December				January		February				
										05	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05
A36340	ICP (Electrical) - B2/F Building Services (2nd / Final Fix) & Testing	60	20-Oct-17	03-Jan-18	11-Nov-17	23-Jan-18	11%	0%	-18																				
Mechanical																													
Zone 1																													
A36350	ICP (MVAC) - B2/F Building Services (1st Fix)	40	12-Oct-17	28-Nov-17	01-Sep-17 A	21-Nov-17	35%	50%	6																				
A36360	ICP (MVAC) - B2/F Building Services (2nd / Final Fix) & Testing	60	29-Nov-17	09-Feb-18	22-Nov-17	02-Feb-18	0%	0%	6																				
Zone 2																													
A36370	ICP (MVAC) - B2/F Building Services (1st Fix)	40	15-Aug-17	29-Sep-17	01-Sep-17 A	21-Nov-17	100%	87%	-42																				
A36380	ICP (MVAC) - B2/F Building Services (2nd / Final Fix) & Testing	60	30-Sep-17	12-Dec-17	22-Nov-17	02-Feb-18	36.67%	0%	-42																				
Plumbing & Drainage																													
Zone 1																													
A36390	ICP (P&D) - B2/F Building Services (1st Fix)	40	12-Oct-17	28-Nov-17	17-Mar-18	08-May-18	35%	0%	-127																				
A36400	ICP (P&D) - B2/F Building Services (2nd / Final Fix) & Testing	60	29-Nov-17	09-Feb-18	09-May-18	20-Jul-18	0%	0%	-127																				
Zone 2																													
A36410	ICP (P&D) - B2/F Building Services (1st Fix)	40	28-Jul-17	12-Sep-17	29-Dec-17	14-Feb-18	100%	0%	-127																				
A36420	ICP (P&D) - B2/F Building Services (2nd / Final Fix) & Testing	60	03-Oct-17	13-Dec-17	09-Mar-18	24-May-18	35%	0%	-127																				
Fire Services (Wet)																													
Zone 1																													
A36430	ICP (FS-Wet) - B2/F Building Services (1st Fix)	40	12-Oct-17	28-Nov-17	17-Mar-18	08-May-18	35%	0%	-127																				
A36440	ICP (FS-Wet) - B2/F Building Services (2nd / Final Fix) & Testing	60	29-Nov-17	09-Feb-18	09-May-18	20-Jul-18	0%	0%	-127																				
Zone 2																													
A36450	ICP (FS-Wet) - B2/F Building Services (1st Fix)	40	28-Jul-17	12-Sep-17	29-Dec-17	14-Feb-18	100%	0%	-127																				
A36460	ICP (FS-Wet) - B2/F Building Services (2nd / Final Fix) & Testing	60	03-Oct-17	13-Dec-17	09-Mar-18	24-May-18	35%	0%	-127																				
Fire Services (Dry)																													
Zone 1																													
A36470	ICP (FS-Dry) - B2/F Building Services (1st Fix)	40	12-Oct-17	28-Nov-17	17-Mar-18	08-May-18	35%	0%	-127																				
A36480	ICP (FS-Dry) - B2/F Building Services (2nd / Final Fix) & Testing	60	29-Nov-17	09-Feb-18	09-May-18	20-Jul-18	0%	0%	-127																				
Zone 2																													
A36490	ICP (FS-Dry) - B2/F Building Services (1st Fix)	40	28-Jul-17	12-Sep-17	29-Dec-17	14-Feb-18	100%	0%	-127																				
A36500	ICP (FS-Dry) - B2/F Building Services (2nd / Final Fix) & Testing	60	03-Oct-17	13-Dec-17	09-Mar-18	24-May-18	35%	0%	-127																				
Lift Installation																													
A36510	Handover of Completed Lift Shaft (Lift 1 & Lift 2)	0	07-Sep-17		28-Dec-17*		100%	0%	-91																				
A36520	ICP (Lift 1 & 2) - Rail & Door Installation	10	07-Sep-17	18-Sep-17	28-Dec-17	09-Jan-18	100%	0%	-91																				
A36530	ICP (Lift 1 & 2) - Machine Room Installation	12	19-Sep-17	03-Oct-17	10-Jan-18	23-Jan-18	100%	0%	-91																				
A36540	ICP (Lift 1 & 2) - Pit Installation	6	04-Oct-17	11-Oct-17	24-Jan-18	30-Jan-18	100%	0%	-91																				
A36550	ICP (Lift 1 & 2) - Stable Power Installation	0		11-Oct-17		08-Feb-18	100%	0%	-99																				
A36560	ICP (Lift 1 & 2) - Car Installation	14	12-Oct-17	27-Oct-17	09-Feb-18	28-Feb-18	100%	0%	-99																				
A36570	ICP (Lift 1 & 2) - Wiring	12	30-Oct-17	11-Nov-17	01-Mar-18	14-Mar-18	0%	0%	-99																				
A36580	ICP (Lift 1 & 2) - Lift Testing & Commissioning	14	13-Nov-17	28-Nov-17	15-Mar-18	03-Apr-18	0%	0%	-99																				
A36590	ICP (Lift 1 & 2) - Lift Fitout & Ready for EMSD Inspection	30	29-Nov-17	05-Jan-18	04-Apr-18	10-May-18	0%	0%	-99																				
ELV Extra Low Voltage (Site Wide)																													
Zone 1																													
A36600	ICP (ELV) - B2/F Building Services (1st Fix)	40	12-Oct-17	28-Nov-17	04-Nov-17*	20-Dec-17	35%	0%	-19																				
A36610	ICP (ELV) - B2/F Building Services (2nd / Final Fix) & Testing	60	29-Nov-17	09-Feb-18	21-Dec-17	07-Mar-18	0%	0%	-19																				
Zone 2																													
A36620	ICP (ELV) - B2/F Building Services (1st Fix)	40	15-Nov-17	04-Jan-18	15-Dec-17	02-Feb-18	0%	0%	-26																				
A36630	ICP (ELV) - B2/F Building Services (2nd / Final Fix) & Testing	50	18-Dec-17	21-Feb-18	20-Jan-18	22-Mar-18	0%	0%	-26																				

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29					
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05						
Remaining Building Services, After Removal of Tower Crane TC5																																			
A36640	Building Services (B1/F) - After Removal of TC5 @ GL 4a-5a/Ea-Fa	20	04-Jan-18	26-Jan-18	12-Jun-18	06-Jul-18	0%	0%	-127																										
B1/F Level																																			
CLP Works Leading to Energization / Power-On																																			
Electrical (B1/F) - Transformer Room (B128)																																			
A36650	CLP Transformer - Builders Works & BS Installation	37	10-Apr-17	27-May-17	10-Apr-17 A	04-Nov-17	100%	75%	-133																										
A36660	Inspection for Handover to CLP	5	29-May-17	03-Jun-17	06-Nov-17	10-Nov-17	100%	0%	-133																										
A36670	CLP Transformer Installation Works	90	04-Jun-17	01-Sep-17	11-Nov-17	08-Feb-18	100%	0%	-160																										
Electrical (B1/F) - LV Switch room (B126)																																			
A36690	LV Switch room - Builders Works & BS Installation	30	26-Jun-17	31-Jul-17	30-Oct-17	02-Dec-17	100%	0%	-104																										
A36700	LV Switch room - Install LV Switch Board & Testing	45	01-Aug-17	21-Sep-17	04-Dec-17	27-Jan-18	100%	0%	-104																										
External Electrical Power and Lead-In Cable Ducts																																			
A36710	Construct (4x) 2.5x2.2x1.2m Electrical Draw Pits	36	01-Jun-17	13-Jul-17	30-Oct-17	09-Dec-17	100%	0%	-125																										
A36720	Install 12x150dia @ 2-Layers GI Ducts	36	14-Jun-17	26-Jul-17	11-Nov-17	22-Dec-17	100%	0%	-125																										
A36730	MV Cable Laying & Testing	30	10-Jul-17	12-Aug-17	06-Dec-17	12-Jan-18	100%	0%	-125																										
A36740	MV Cable Termination and Test (by CLP)	12	14-Aug-17	26-Aug-17	13-Jan-18	26-Jan-18	100%	0%	-125																										
A36750	Pre-Energization Checked & Testing	6	28-Aug-17	02-Sep-17	27-Jan-18	02-Feb-18	100%	0%	-125																										
Electrical (B1/F) - General Works																																			
A36780	ICP (Electrical) - B1/F Building Services (1st Fix)	60	07-Oct-17	16-Dec-17	24-Feb-18	10-May-18	30%	0%	-113																										
A36790	ICP (Electrical) - B1/F Building Services (2nd / Final Fix) & Testing	75	24-Nov-17	26-Feb-18	17-Apr-18	17-Jul-18	0%	0%	-113																										
A36800	ICP (Electrical) - Install Generator Set & Testing	45	24-Nov-17	18-Jan-18	17-Apr-18	09-Jun-18	0%	0%	-113																										
Mechanical General																																			
A36810	ICP (MVAC) - B1/F Building Services (1st Fix)	60	31-Aug-17	11-Nov-17	17-Jan-18	03-Apr-18	80%	0%	-113																										
A36820	ICP (MVAC) - B1/F Building Services (2nd / Final Fix) & Testing	75	19-Oct-17	18-Jan-18	08-Mar-18	09-Jun-18	10.67%	0%	-113																										
FS Plant Rooms (FS Pump Room and Security Room)																																			
A36830	FS Rooms - Builders Works & BS Installation	45	26-Jun-17	17-Aug-17	30-Oct-17	20-Dec-17	100%	0%	-104																										
A36840	FS Rooms - Install Pumps, Equipment & Cabinet	45	25-Jul-17	14-Sep-17	27-Nov-17	20-Jan-18	100%	0%	-104																										
A36850	FS Rooms - Install Fresh / Potable Pipeworks & Testing	30	29-Aug-17	03-Oct-17	04-Jan-18	07-Feb-18	100%	0%	-104																										
A36860	Install Water Meter Cabinet	12	04-Oct-17	18-Oct-17	08-Feb-18	24-Feb-18	100%	0%	-104																										
Fire Services (Wet)																																			
Zone 1																																			
A36870	ICP (FS-Wet) - B1/F Building Services (1st Fix)	40	27-Jul-17	11-Sep-17	09-Dec-17	27-Jan-18	100%	0%	-113																										
A36880	ICP (FS-Wet) - B1/F Building Services (2nd / Final Fix) & Testing	50	08-Sep-17	08-Nov-17	25-Jan-18	27-Mar-18	82%	0%	-113																										
Zone 2																																			
A36890	ICP (FS-Wet) - B1/F Building Services (1st Fix)	50	12-Sep-17	11-Nov-17	29-Jan-18	03-Apr-18	76%	0%	-113																										
A36900	ICP (FS-Wet) - B1/F Building Services (2nd / Final Fix) & Testing	60	27-Oct-17	09-Jan-18	16-Mar-18	31-May-18	1.67%	0%	-113																										
Fire Services (Dry)																																			
Zone 1																																			
A36910	ICP (FS-Dry) - B1/F Building Services (1st Fix)	40	27-Jul-17	11-Sep-17	09-Dec-17	27-Jan-18	100%	0%	-113																										
A36920	ICP (FS-Dry) - B1/F Building Services (2nd / Final Fix) & Testing	50	08-Sep-17	08-Nov-17	25-Jan-18	27-Mar-18	82%	0%	-113																										
Zone 2																																			
A36930	ICP (FS-Dry) - B1/F Building Services (1st Fix)	50	12-Sep-17	11-Nov-17	29-Jan-18	03-Apr-18	76%	0%	-113																										
A36940	ICP (FS-Dry) - B1/F Building Services (2nd / Final Fix) & Testing	60	27-Oct-17	09-Jan-18	16-Mar-18	31-May-18	1.67%	0%	-113																										
ELV Extra Low Voltage (Site Wide)																																			
Zone 1																																			
A36950	ICP (ELV) - B1/F Building Services (1st Fix)	45	06-Dec-17	30-Jan-18	28-Apr-18	22-Jun-18	0%	0%	-113																										

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29							
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05								
A36960	ICP (ELV) - B1/F Building Services (2nd / Final Fix) & Testing	50	29-Dec-17	01-Mar-18	21-May-18	20-Jul-18	0%	0%	-113																										A36960		
ICP - External Envelope																																					
A36990	ICP - Install GRC Architectural Louvre & Bracket	40	14-Jun-17	31-Jul-17	31-Oct-17	15-Dec-17	100%	0%	-115																												
A37000	ICP - GRC Facade Final Cleaning	15	01-Aug-17	17-Aug-17	16-Dec-17	05-Jan-18	100%	0%	-115																												
A37010	ICP - Install Facade Louvre Screen	40	14-Jun-17	31-Jul-17	31-Oct-17	15-Dec-17	100%	0%	-115																												
A37020	ICP - Facade Louvre Screen Final Cleaning	15	01-Aug-17	17-Aug-17	16-Dec-17	05-Jan-18	100%	0%	-115																												
ICP - Statutory Inspection																																					
EMSD (Lift)																																					
A37050	ICP - Prepare & Submit Form 5 to EMSD	3	06-Jan-18	09-Jan-18	11-May-18	14-May-18	0%	0%	-99																										A37050		
A37060	ICP - EMSD Inspection of Lift	12	10-Jan-18	23-Jan-18	15-May-18	29-May-18	0%	0%	-99																										A37060		
WSD (FS Water)																																					
A37070	ICP - Submit & Approval of Form WW046 (Part 4) to WSD (Final Report)	14	13-Sep-17	26-Sep-17	04-Jan-18	17-Jan-18	100%	0%	-113																												
A37080	ICP - Inspection and Approval by WSD for (FS Pipeworks)	7	27-Sep-17	03-Oct-17	18-Jan-18	24-Jan-18	100%	0%	-113																												
A37085	ICP - Water Sample (2 nos.) & Report Submission	10	04-Oct-17	13-Oct-17	25-Jan-18	03-Feb-18	100%	0%	-113																												
A37090	ICP - Issuance of WW046 (Part 5) by WSD (Water Certificate)	14	14-Oct-17	27-Oct-17	04-Feb-18	17-Feb-18	100%	0%	-113																												
A37100	ICP - Water Meter Connection (FS) by WSD	14	28-Oct-17	10-Nov-17	25-Feb-18	10-Mar-18	7.14%	0%	-120																												
Potable Water / Flushing Water																																					
A37110	ICP - Submit & Approval of Form WW046 (Part 4) to WSD (Final Report)	14	13-Sep-17	26-Sep-17	04-Jan-18	17-Jan-18	100%	0%	-113																												
A37120	ICP - Inspection and Approval by WSD	7	04-Oct-17	10-Oct-17	25-Jan-18	31-Jan-18	100%	0%	-113																												
A37125	ICP - Water Sample (2 nos.) & Report Submission	10	11-Oct-17	20-Oct-17	01-Feb-18	10-Feb-18	100%	0%	-113																												
A37130	ICP - Issuance of WW046 (Part 5) by WSD (Water Certificate)	14	21-Oct-17	03-Nov-17	11-Feb-18	24-Feb-18	57.14%	0%	-113																												
A37140	ICP - Water Meter Connection (Plumbing) by WSD	14	04-Nov-17	17-Nov-17	25-Feb-18	10-Mar-18	0%	0%	-113																												
EPD Submission and Approval																																					
A37150	ICP - EPD Submission and Approval for (Genset Installation)	30	29-Aug-17	03-Oct-17	04-Jan-18	07-Feb-18	100%	0%	-104																												
External Works																																					
SPS																																					
SPS - G/F External Utilities & Roadworks																																					
Works Above SPS and ICP at Portion A																																					
A37320	Portion A - Waterproofing & Backfilling	60	07-Sep-17	18-Nov-17	10-Aug-17 A	01-Dec-17	70%	50%	-11																												
A37330	Portion A - Above Slab Utilities & Fire Hydrant	60	14-Oct-17	23-Dec-17	30-Oct-17	10-Jan-18	20%	0%	-12																												
A37340	Portion A - Final backfilling	60	20-Nov-17	31-Jan-18	28-Oct-17 A	10-Jan-18	0%	30%	18																												
A37350	Portion A - EVA Carriageway / Roadworks	60	27-Dec-17	10-Mar-18	04-Dec-17	14-Feb-18	0%	0%	18																												
ICP																																					
ICP - G/F External Utilities & Roadworks																																					
Entrance Portal from At-grade Road																																					
A56620	ICP - Final backfilling at Entrance Portal	2	26-Sep-17	27-Sep-17	16-Dec-17	18-Dec-17	100%	0%	-67																												
A56630	ICP - Construct Entrance Carriageway	12	28-Sep-17	13-Oct-17	19-Dec-17	04-Jan-18	100%	0%	-67																												
Works Above ICP at Portion B																																					
A37470	Portion B - Waterproofing & Backfilling	30	15-Jun-17	20-Jul-17	23-Sep-17 A	08-Dec-17	100%	10%	-118																												
A37480	Portion B - Above Slab Utilities & Fire Hydrant	30	21-Jul-17	24-Aug-17	09-Dec-17	16-Jan-18	100%	0%	-118																												
A37490	Portion B - Final backfilling	30	25-Aug-17	28-Sep-17	30-Aug-17 A	30-Nov-17	100%	5%	-51																												
A37500	Portion B - EVA Carriageway / Roadworks	60	09-Oct-17	18-Dec-17	30-Oct-17	10-Jan-18	28.33%	0%	-17																												
Co-ordinated External Works & Utilities Services Installation																																					
Interface Dates																																					
Access Dates																																					
A25130	M70 - Arts Pavilion Area on M+ side of M+ / Park Interface (t.b.a.)	0	01-Jun-17		29-Oct-17*		100%	0%	-150																										M70 - Arts Pavilion Area on M+ side of M+ / Park Interface (t.b.a.), 29-Oct-17**		

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
Vacation Date																																							
A25240	M04 - Underground Fuel Tank Area beside M+ Entrance Portal (25Jan1	0		15-Nov-17		26-Jan-18	0%	0%	-72																														
A25250	M05 - SPS Frontage At-grade Road (25Jan19)	0		25-Sep-17		17-Jan-18	100%	0%	-114																														
A25280	M08 - Park Phase 3 Part at Waterfront (15Jun2016)	0		26-Jan-18		26-Jan-18	0%	0%	0																														
A25290	M09 - Park Phase 3 Part at Proposed EVA to Waterfront (Refer Portion	0		25-Jan-18		16-Apr-18	0%	0%	-81																														
A25300	M10 - M+ Hoarded Area West of M+ Parcel Boundary (Refer Portion M	0		25-Jan-18		16-Apr-18	0%	0%	-81																														
A25320	M12 - Lyric Interface North (2nd H/O to Lyric) (31Mar17)	0		31-Oct-17		02-Feb-18	0%	0%	-94																														
A25330	M13 - Lyric Interface Over AEL (H/O to Lyric) (31Aug17)	0		09-Nov-17		12-Feb-18	0%	0%	-95																														
A25345	M14 - Lyric Interface South, GL6-12 (2nd H/O to Lyric)	0		10-Nov-17		13-Feb-18	0%	0%	-95																														
A25350	M14a - Lyric Interface South, GL 12-14 (31Jan16)	0		10-Nov-17		16-Feb-18 A	0%	100%	633	M14a - Lyric Interface South, GL 12-14 (31Jan16),																													
A25370	M15 - M+ / Lyric Staircase (2nd H/O to Lyric) (25Jan19)	0		10-Nov-17		13-Feb-18	0%	0%	-95																														
A25390	M16 - M+ Lyric Interface South (2nd H/O to Lyric) (31May17)	0		01-Nov-17		01-Mar-18	0%	0%	-120																														
A25420	M19 - M+ Waterfront Promenade Part within STT Area (H/O to Waterf	0		31-Oct-17		02-Mar-18	0%	0%	-122																														
A25430	M20 - Site Outside Parcel Boundary East of Promenade (H/O to Water	0		27-Nov-17		21-Apr-18	0%	0%	-145																														
A25480	M26 - M+ Entrance Interface with At-grade Road (Practical Completion)	0		13-Jul-17		21-Nov-17	100%	0%	-131	M26 - M+ Entrance Interface with At-grade Road (Practical Completion)																													
A25490	M27 - New Temporary Access Road outside Park Boundary (Practical C	0		19-Sep-17		27-Nov-17	100%	0%	-69	M27 - New Temporary Access Road outside Park Boundary (Practic																													
A25500	M28 - New Temporary Access Road Part in Hotel/OACF Site (Practical	0		19-Sep-17		27-Nov-17	100%	0%	-69	M28 - New Temporary Access Road Part in Hotel/OACF Site (Pract																													
A25530	M32 - ICP & SPS, West of Existing Temporary Access Road (refer M74	0		06-Jan-18		31-May-18	0%	0%	-145																														
A25550	M38 - Lyric Waterfront (Part of MTR Area A1) (H/O to Lyric) (31May20	0		01-Nov-17		01-Mar-18	0%	0%	-120																														
A25560	M39 - Lyric Waterfront / through ESS Compound (H/O to Lyric) (31May	0		01-Nov-17		01-Mar-18	0%	0%	-120																														
A25570	M40 - Lyric Waterfront Part for Access Around ESS Compound (H/O to	0		05-Dec-17		30-Apr-18	0%	0%	-146																														
A25580	M41 - Lyric Waterfront at Barging Point (Part of MTR Area 3) (Prior to	0		01-Nov-17		01-Mar-18	0%	0%	-120																														
A25590	M42 - Lyric Waterfront east of barging point (Prior to Lyric Main Ctr) (E	0		01-Nov-17		01-Mar-18	0%	0%	-120																														
A25600	M43 - At-grade Road Footpath at ICP / SPS Entrance Portal (Practical C	0		19-Sep-17		27-Nov-17	100%	0%	-69	M43 - At-grade Road Footpath at ICP / SPS Entrance Portal (Practic																													
A25610	M44 - At-grade Road Footpath at ICP / SPS Frontage (H/O to PIW) (0&	0		09-Oct-17		01-Mar-18	100%	0%	-143																														
A25620	M45 - At-grade Road Footpath along M+ Basement (H/O to PIW) (8Jul	0		30-Oct-17		16-Apr-18	0%	0%	-168																														
A25630	M46 - M+ Waterfront Promenade Part incl' Existing MTR Pum Cells (H)	0		05-Dec-17		30-Apr-18	0%	0%	-146																														
A25640	M47 - M+ Promenade Terrace (Practical Completion)	0		25-Oct-17		16-Dec-17	100%	0%	-52	M47 - M+ Promenade Terrace (Practical Comple																													
A25650	M48 - M+ Waterfront Promenade Part incl' KGO Pump Cells (H/O to W	0		25-Oct-17		16-Dec-17	100%	0%	-52	M48 - M+ Waterfront Promenade Part incl' KGO																													
A25660	M49 - M+ Waterfront Part for Access Around ESS (H/O to Waterfront F	0		25-Oct-17		16-Dec-17	100%	0%	-52	M49 - M+ Waterfront Part for Access Around ESS																													
A25670	M50 - Internal Areas of SPS (for Park Opening) (25Jun2017)	0		15-Sep-17		15-Nov-17	100%	0%	-61	M50 - Internal Areas of SPS (for Park Opening) (25Jun2017),																													
A25680	M51 - Entrance to SPS within the ICP (H/O to Park on 25 Jun 17) Retair	0		19-Sep-17		27-Nov-17	100%	0%	-69	M51 - Entrance to SPS within the ICP (H/O to Park on 25 Jun 17) R																													
A25730	M57 - Area Around South side of ICP (Practical Completion)	0		25-Sep-17		09-Dec-17	100%	0%	-75	M57 - Area Around South side of ICP (Practical Comple																													
A25760	M60 - ICP Level B1 Roof Top (Practical Completion)	0		19-Jul-17		04-Dec-17	100%	0%	-138	M60 - ICP Level B1 Roof Top (Practical Completion),																													
A25860	M73 - M+ Waterfront Promenade Part Including Six Vacant Pump Cells	0		18-Jan-18		12-Jun-18	0%	0%	-145																														
A25890	M76 - Interfacing Park Landscape Area between M+ Southern EVA & P	0		25-Sep-17		09-Dec-17	100%	0%	-75	M76 - Interfacing Park Landscape Area between M+ So																													
A25900	M77 - Interfacing Park Landscape Area South of M+ Southern EVA (25J	0		25-Sep-17		09-Dec-17	100%	0%	-75	M77 - Interfacing Park Landscape Area South of M+ So																													
Interface Schedule (Appendix D1 - 16 December 2015)																																							
Lyric Theatre Complex and Extended Basement (Lyric)																																							
Along Interface North of AEL																																							
A25970	Vacate M12 permanently (31 Mar 2017)	0		31-Oct-17		02-Feb-18	0%	0%	-78	Vac																													
Along Interface South of AEL																																							
A25990	Complete seawater discharge pipes in Portions M15, M16, M38, M39	0		01-Nov-17		01-Mar-18	0%	0%	-97																														
A26000	Vacate portions M16, M38 and M39	0		01-Nov-17		01-Mar-18	0%	0%	-97																														
A26010	Vacate Portion M15 (31 May 2017)	0		16-Oct-17		30-Oct-17	100%	0%	-11	Vacate Portion M15 (31 May 2017),																													
DCS Basement Area																																							

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05										
A27050	Dismantle 2nd Layer Struts & Wailing	3	29-Sep-17	03-Oct-17	23-Nov-17	25-Nov-17	100%	0%	-44																														
A27060	Back Filling to 1st Layer of Struts	6	04-Oct-17	11-Oct-17	27-Nov-17	02-Dec-17	100%	0%	-44																														
A27070	Dismantle 1st Layer Struts & Wailing	3	12-Oct-17	14-Oct-17	04-Dec-17	06-Dec-17	100%	0%	-44																														
A27080	Back Filling to GL	6	16-Oct-17	21-Oct-17	07-Dec-17	13-Dec-17	100%	0%	-44																														
A27090	Extract Sheetpiles	3	23-Oct-17	25-Oct-17	14-Dec-17	16-Dec-17	100%	0%	-44																														
Trench Excavation & Pipe works CH0+0 to CH0+32																																							
A27100	Drive in Sheet Piles	9	21-Jul-17	31-Jul-17	27-Nov-17	06-Dec-17	100%	0%	-107																														
A27110	Trench @GL +5.0mPD to +4.0mPD	3	01-Aug-17	03-Aug-17	07-Dec-17	09-Dec-17	100%	0%	-107																														
A27120	Install 1st Layer Strut & Wailing@ +4.5mPD	12	04-Aug-17	17-Aug-17	11-Dec-17	23-Dec-17	100%	0%	-107																														
A27130	Install Legging to Opening	10	18-Aug-17	29-Aug-17	27-Dec-17	08-Jan-18	100%	0%	-107																														
A27140	Trench Excavation@+4.0mPD to +1.06mPD	3	30-Aug-17	01-Sep-17	09-Jan-18	11-Jan-18	100%	0%	-107																														
A27150	Pipe Laying & Associated Works	10	02-Sep-17	13-Sep-17	12-Jan-18	23-Jan-18	100%	0%	-107																														
A27160	Construct Bend Blocks	10	14-Sep-17	25-Sep-17	24-Jan-18	03-Feb-18	100%	0%	-107																														
A27170	Construct Wash Out Chamber	10	14-Sep-17	25-Sep-17	24-Jan-18	03-Feb-18	100%	0%	-107																														
A27180	Pressure Test	6	26-Sep-17	03-Oct-17	05-Feb-18	10-Feb-18	100%	0%	-107																														
A27190	Back Filling to 1st layer Struts	1	04-Oct-17	04-Oct-17	12-Feb-18	12-Feb-18	100%	0%	-107																														
A27200	Dismantle 1st Layer Struts & Wailing	6	06-Oct-17	12-Oct-17	13-Feb-18	22-Feb-18	100%	0%	-107																														
A27210	Back Filling to GL	1	13-Oct-17	13-Oct-17	23-Feb-18	23-Feb-18	100%	0%	-107																														
DCS Box (Portion M15&M16)																																							
A27290	Construct remaining wall & roof	10	04-Oct-17	16-Oct-17	26-Aug-17 A	30-Oct-17	100%	90%	-11																														
A27300	DCS Box complete	0		16-Oct-17		30-Oct-17	100%	0%	-11																														
Construction at Grade CH0+108 to CH0+158																																							
A27320	Pipe Laying & Associated Works	13	21-Sep-17	07-Oct-17	26-Aug-17 A	01-Sep-17 A	100%	100%	29																														
A27330	Pressure Test	6	09-Oct-17	14-Oct-17	30-Oct-17	04-Nov-17	100%	0%	-17																														
A27340	Pipe Connection to DCS	5	26-Oct-17	01-Nov-17	24-Feb-18	01-Mar-18	40%	0%	-97																														
Seawater Intake Pipe Works																																							
Construction of Seawater Intake Pipe																																							
A27420	Excavate from G/F (+4.5mPD) to +2.0mPD	58	08-Mar-17	20-May-17	08-Mar-17 A	30-Oct-17	100%	70%	-134																														
A27450	Lay DN600 Seawater Intake Pipes x 2	10	05-Jun-17	15-Jun-17	22-Jun-17 A	02-Nov-17	100%	60%	-116																														
A27460	Lay DN100 Chlorination Pipe	10	05-Jun-17	15-Jun-17	22-Jun-17 A	02-Nov-17	100%	60%	-116																														
A27470	Lay DN28 Cleansing Pipe	10	05-Jun-17	15-Jun-17	22-Jun-17 A	02-Nov-17	100%	60%	-116																														
A27480	Construct Thrust Blocks	10	16-Jun-17	27-Jun-17	22-Jun-17 A	02-Nov-17	100%	60%	-106																														
A27490	Pressure Testing and Inspection	6	28-Jun-17	05-Jul-17	22-Jun-17 A	02-Nov-17	100%	20%	-100																														
A27500	Backfill to +2.0mPD	2	06-Jul-17	07-Jul-17	18-Jul-17 A	04-Nov-17	100%	0%	-100																														
A27510	Remove Underground Utilities Support & Backfill up to +2.3mPD)	6	08-Jul-17	14-Jul-17	06-Nov-17	10-Nov-17	100%	0%	-99																														
A27520	Complete Pipeworks & Traffic Diversion	0		14-Jul-17		10-Nov-17	100%	0%	-99																														
Seawater Pump Cell																																							
BME																																							
A58610	Dismantle the existing unused Equipment	21	20-May-17	10-Jun-17	23-Jun-17 A	31-Oct-17	100%	90%	-139																														
A58620	Builder's work	8	11-Jun-17	18-Jun-17	29-Aug-17 A	05-Nov-17	100%	35%	-136																														
A58630	Delivery of DI pipe	2	26-May-17	27-May-17	29-Oct-17*	30-Oct-17	100%	0%	-151																														
A58640	Install DI pump	124	19-Jun-17	23-Oct-17	06-Nov-17	15-Mar-18	100%	0%	-136																														
A58650	Delivery of sea water pump	4	04-Jul-17	07-Jul-17	29-Oct-17*	01-Nov-17	100%	0%	-114																														
A58660	Install sea water pump	2	08-Jul-17	09-Jul-17	02-Nov-17	03-Nov-17	100%	0%	-114																														
A58670	Install electrical & Control	62	29-Jul-17	28-Sep-17	23-Nov-17	26-Jan-18	100%	0%	-114																														
A58680	Install Pump motor	32	19-Aug-17	19-Sep-17	14-Dec-17	17-Jan-18	100%	0%	-114																														

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October 25					November 26					December 27					January 28					February 29									
										5	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	12	19	26							
A58690	Hydraulic Test of DI pipe	12	24-Oct-17	05-Nov-17	16-Mar-18	27-Mar-18	33.33%	0%	-136																														
A58700	T&C of Sea water Pump	30	06-Nov-17	05-Dec-17	28-Mar-18	30-Apr-18	0%	0%	-136																														
Plumbing & Drainage																																							
A58720	Builder's work	7	28-Jun-17	05-Jul-17	03-Oct-17 A	07-Oct-17 A	100%	100%	-92																														
A58730	Delivery of Sump Pumps	2	20-May-17	21-May-17	29-Oct-17*	30-Oct-17	100%	0%	-157																														
A58740	Install Sump Pumps	28	06-Jul-17	02-Aug-17	31-Oct-17	27-Nov-17	100%	0%	-114																														
A58750	Delivery of Pipes and Fittings	2	09-Nov-17	10-Nov-17	09-Nov-17*	10-Nov-17	0%	0%	0																														
A58760	Install Pipes and Fittings	10	06-Dec-17	15-Dec-17	02-May-18	11-May-18	0%	0%	-136																														
A58770	Delivery of Sump Pump Panels	2	20-Nov-17	21-Nov-17	20-Nov-17*	21-Nov-17	0%	0%	0																														
A58780	Install Sump Pump Panels	11	16-Dec-17	28-Dec-17	12-May-18	23-May-18	0%	0%	-136																														
A58790	Hydraulic Test (Cleansing Pipes)	6	29-Dec-17	04-Jan-18	24-May-18	29-May-18	0%	0%	-136																														
A58800	T&C of Sump Pumps	14	05-Jan-18	18-Jan-18	30-May-18	12-Jun-18	0%	0%	-136																														
Electrical Works																																							
A58810	Dismantle the existing unused Equipment	8	19-Jan-18	26-Jan-18	13-Jun-18	21-Jun-18	0%	0%	-136																														
A58820	Delivery of Power Cable	2	28-Dec-17	29-Dec-17	28-Dec-17*	29-Dec-17	0%	0%	0																														
A58830	Delivery of Cable Tray	2	28-Dec-17	29-Dec-17	28-Dec-17*	29-Dec-17	0%	0%	0																														
A58840	Install Cable Tray and Power Cable	9	27-Jan-18	04-Feb-18	22-Jun-18	30-Jun-18	0%	0%	-136																														
A58850	Install Surface Conduit and wiring Cable	9	27-Jan-18	04-Feb-18	22-Jun-18	30-Jun-18	0%	0%	-136																														
A58860	Delivery of MCB Board	2	06-Jan-18	07-Jan-18	06-Jan-18*	07-Jan-18	0%	0%	0																														
A58870	Delivery of Lighting Fitting and Exit sign	2	06-Jan-18	07-Jan-18	06-Jan-18*	07-Jan-18	0%	0%	0																														
Demolition of CSO Office																																							
A27760	CSO Office relocation	0		14-Aug-17		30-Oct-17*	100%	0%	-62																														
A27770	Demolish Existing CSO Office	36	15-Aug-17	25-Sep-17	30-Oct-17	09-Dec-17	100%	0%	-62																														
Sewerage																																							
Sewerage Interface with PIW & F2 Contractor																																							
Sewerage at Austin Road West (Portion L08)																																							
A27790	PIW Implement TTMS & Allow Access to Manhole F1.2 to HCC	0	20-May-17		30-Oct-17*		100%	0%	-134																														
A27800	Excavate Trial Trench for UU within Austin Road West Area	12	20-May-17	03-Jun-17	30-Oct-17	11-Nov-17	100%	0%	-134																														
A27810	Demolished Existing Planter	10	05-Jun-17	15-Jun-17	13-Nov-17	23-Nov-17	100%	0%	-134																														
A27820	Excavate & Install Lateral Support	10	16-Jun-17	27-Jun-17	24-Nov-17	05-Dec-17	100%	0%	-134																														
A27830	Construct M+ Terminal Manhole F1.3A	6	28-Jun-17	05-Jul-17	06-Dec-17	12-Dec-17	100%	0%	-134																														
A27840	Lay down DN375 F1.3B to F1.3A to F1.2	3	06-Jul-17	08-Jul-17	13-Dec-17	15-Dec-17	100%	0%	-134																														
A27850	Pressure Test	3	10-Jul-17	12-Jul-17	16-Dec-17	19-Dec-17	100%	0%	-134																														
A27860	Backfill & Reinstatement pavement / Reinstatement Planter	9	13-Jul-17	22-Jul-17	20-Dec-17	02-Jan-18	100%	0%	-134																														
A27870	HCC connect DN375 to F1.2	1	24-Jul-17	24-Jul-17	03-Jan-18	03-Jan-18	100%	0%	-134																														
Sewerage at Portion M01, Gridline A/3-14																																							
A27940	HCC grant access to Park Contractor for SM100 construction	0	25-Jul-17		01-Dec-17		100%	0%	-108																														
MH F2.1B to MH F2.1A																																							
A28020	Backfill to ground level	4	03-Jun-17	07-Jun-17	24-Aug-17 A	30-Oct-17	100%	75%	-120																														
MH F2.1C to MH F2.1B																																							
A28070	Backfill to ground level	5	24-Jun-17	29-Jun-17	17-Aug-17 A	01-Nov-17	100%	50%	-103																														
MH F2.1D to MH F2.1C																																							
A28080	Completion of G/F Slab, Wall & Column at Portion E	0		19-May-17		30-Oct-17	100%	0%	-134																														
A28090	Manhole & Trench Excavation for Sewerage Pipe between MH F2.1D to	3	21-Jun-17	23-Jun-17	30-Oct-17	01-Nov-17	100%	0%	-108																														
A28100	Construct Manhole F2.1D	10	24-Jun-17	06-Jul-17	02-Nov-17	13-Nov-17	100%	0%	-108																														
A28110	Lay Sewerage Pipe DN375 between MH F2.1D to F2.1C (Approx. 21m)	4	24-Jun-17	28-Jun-17	02-Nov-17	06-Nov-17	100%	0%	-108																														

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December				January				February	
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05
A28910	Excavate Trial Trench	6	15-Jul-17	21-Jul-17	25-Sep-17 A	30-Sep-17 A	100%	100%	-61																				
A28920	Excavate to formation level	6	22-Jul-17	28-Jul-17	30-Sep-17 A	03-Nov-17	100%	17%	-81																				
A28930	Construct Manhole S2.10 & S2.11	15	29-Jul-17	15-Aug-17	04-Nov-17	21-Nov-17	100%	0%	-81																				
A28940	Lay DN600 pipe from Manholes S2.12 to S2.11 to S2.10 (Approx. 30m)	3	16-Aug-17	18-Aug-17	22-Nov-17	24-Nov-17	100%	0%	-81																				
A28950	Pressure Test	3	19-Aug-17	22-Aug-17	25-Nov-17	28-Nov-17	100%	0%	-81																				
A28960	Backfill to existing ground level	3	23-Aug-17	25-Aug-17	29-Nov-17	01-Dec-17	100%	0%	-81																				
Storm Drain DN600 along Gridline B-E/14 (MH S2.10 to S2.9c)																													
A28970	Excavate Trial Trench	3	20-May-17	23-May-17	30-Oct-17*	01-Nov-17	100%	0%	-134																				
A28980	Excavate to Formation Level	3	24-May-17	26-May-17	02-Nov-17	04-Nov-17	100%	0%	-134																				
A28990	Lay DN600 Pipe from MHS2.10 to S2.9c (Approx 30m)	3	27-May-17	31-May-17	06-Nov-17	08-Nov-17	100%	0%	-134																				
A29000	Pressure Test	3	01-Jun-17	03-Jun-17	09-Nov-17	11-Nov-17	100%	0%	-134																				
A29010	Backfill to existing ground level	3	05-Jun-17	07-Jun-17	13-Nov-17	15-Nov-17	100%	0%	-134																				
Storm Drain DN750 along Gridline A-B/14 (MH S2.9c to S2.9b to S2.9a)																													
A29020	Excavate Trial Trench	3	16-Aug-17	18-Aug-17	22-Nov-17	24-Nov-17	100%	0%	-81																				
A29030	Excavate to formation level	6	19-Aug-17	25-Aug-17	25-Nov-17	01-Dec-17	100%	0%	-81																				
A29040	Construct Manhole S2.9b & S2.9c	15	26-Aug-17	12-Sep-17	02-Dec-17	19-Dec-17	100%	0%	-81																				
A29050	Lay DN750 pipe from Manholes S2.9c to S2.9b to S2.9a (Approx. 21m)	6	13-Sep-17	19-Sep-17	20-Dec-17	28-Dec-17	100%	0%	-81																				
A29060	Pressure Test	3	20-Sep-17	22-Sep-17	29-Dec-17	02-Jan-18	100%	0%	-81																				
A29070	Backfill to existing ground level	3	23-Sep-17	26-Sep-17	03-Jan-18	05-Jan-18	100%	0%	-81																				
Storm Drain DN450 suspended along Gridline J/J1-M/1																													
Storm Drain at Portion M12																													
A29090	Install scaffolding @ M12	6	19-Sep-17	25-Sep-17	22-Dec-17	02-Jan-18	100%	0%	-78																				
A29100	Install Brackets for Suspension Pipe	10	26-Sep-17	09-Oct-17	02-Jan-18	12-Jan-18	100%	0%	-78																				
A29110	Lay horizontal suspended DN450 pipe (Approx. 120m)	6	10-Oct-17	16-Oct-17	13-Jan-18	19-Jan-18	100%	0%	-78																				
A29120	Install suspended vertical Rain Water Outlet DN150 - 4 nos	2	13-Oct-17	14-Oct-17	17-Jan-18	18-Jan-18	100%	0%	-78																				
A29130	Install suspended vertical Drainage DN100 - 5 nos	5	16-Oct-17	20-Oct-17	19-Jan-18	24-Jan-18	100%	0%	-78																				
A29140	Pressure Test	3	21-Oct-17	24-Oct-17	25-Jan-18	27-Jan-18	100%	0%	-78																				
A29145	Removal of scaffolding @ M12	4	25-Oct-17	30-Oct-17	29-Jan-18	01-Feb-18	75%	0%	-78																				
A29150	Complete suspended Storm Drain at Portion M12 & Remove scaffolding	0		30-Oct-17		01-Feb-18	0%	0%	-78																				
A29155	Finish clear up @ M12	1	31-Oct-17	31-Oct-17	02-Feb-18	02-Feb-18	0%	0%	-78																				
Storm Drain DN350 suspended along Gridline M/1-4																													
Storm Drain at Portion M13																													
A29160	External Wall @ Gridline M/1-4 (including Wall finish) - complete	0		25-Sep-17		30-Dec-17	100%	0%	-78																				
A29170	Install scaffolding @ M13	6	26-Sep-17	03-Oct-17	02-Jan-18	08-Jan-18	100%	0%	-78																				
A29180	Install Brackets for Suspension Pipe	10	04-Oct-17	16-Oct-17	09-Jan-18	19-Jan-18	100%	0%	-78																				
A29190	Lay suspended horizontal DN350 pipe (Approx. 50m)	6	17-Oct-17	23-Oct-17	20-Jan-18	26-Jan-18	100%	0%	-78																				
A29200	Install suspended vertical Rain Water Outlet DN150 - 2 nos	1	20-Oct-17	20-Oct-17	24-Jan-18	24-Jan-18	100%	0%	-78																				
A29210	Install suspended vertical Drainage Pipe DN100 - 2 nos	3	21-Oct-17	24-Oct-17	25-Jan-18	27-Jan-18	100%	0%	-78																				
A29220	Pressure Test	3	25-Oct-17	27-Oct-17	29-Jan-18	31-Jan-18	100%	0%	-78																				
A29225	Removal of scaffolding @ M13	4	30-Oct-17	02-Nov-17	01-Feb-18	05-Feb-18	0%	0%	-78																				
A29230	Complete suspended Storm Drain at Portion M13	0		02-Nov-17		05-Feb-18	0%	0%	-78																				
A29235	Finish clear up @ M13	1	03-Nov-17	03-Nov-17	06-Feb-18	06-Feb-18	0%	0%	-78																				
Storm Drain DN250 suspended along Gridline M/4-12																													
Storm Drain at Portion M14																													
A29240	Coordinate with Lyrics Contractor for temporary access to M14 (App-I	0	20-May-17		30-Oct-17*		100%	0%	-134																				
A29250	External Wall @ M14 Gridline M/4-12 (including Wall finish) - complete	0		25-Sep-17		30-Dec-17	100%	0%	-78																				

Coordinate with Lyrics Contractor for temporary access to M14 (App-D1), 30-Oct-17*
 External Wall @ M14 Gridline M/4-

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP - R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December				January		February			
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05
Storm Drain DN300 at Portion M44 (MH6_2a.1 to DM65)																													
Grd Lvl - Storm / Drainage Connection (Outside SPS)																													
A37250	Sewerage - Construct 5x Manholes	82	13-Feb-17	25-May-17	13-Feb-17 A	01-Nov-17	100%	95%	-132																				
A37260	Sewerage - Install 450 / 300 Storm Drainage Pipes & Testing	60	20-May-17	31-Jul-17	30-Oct-17	01-Nov-17	100%	0%	-77																				
A37280	Connect to Existing Storm Manholes & Backfill	45	24-Jun-17	16-Aug-17	30-Oct-17	01-Nov-17	100%	0%	-63																				
A37290	Completed Storm Drain + Report	10	25-Aug-17	05-Sep-17	02-Nov-17	08-Nov-17	100%	0%	-52																				
A37300	Inform DSD for Inspection of Storm Drain	6	25-Aug-17	31-Aug-17	06-Nov-17	08-Nov-17	100%	0%	-56																				
A37310	DSD Inspection	1	06-Sep-17	06-Sep-17	09-Nov-17	09-Nov-17	100%	0%	-52																				
Adjacent SPS to Center of At Grade Road																													
A29790	Backfill, Extract Sheet Piles and Reinstale Pavement	62	03-Mar-17	20-May-17	03-Mar-17 A	30-Oct-17	100%	83%	-134																				
Center of At Grade Road to MH_2a.1																													
A38025	Agreed with PIW dates for Pipe Laying	0		20-May-17		30-Oct-17*	100%	0%	-134	◆ Agreed with PIW, dates for Pipe Laying.																			
A38030	Excavate trial trench for existing underground utilities	6	22-May-17	27-May-17	31-Oct-17	01-Nov-17	100%	0%	-130																				
A38040	Drive In Sheet Piles	3	29-May-17	01-Jun-17	02-Nov-17	02-Nov-17	100%	0%	-128																				
A38050	Excavate to invert level and install struts	6	02-Jun-17	08-Jun-17	03-Nov-17	04-Nov-17	100%	0%	-124																				
A38060	Laydown DN300 between MH6_2a.1 to Center of at Grade Road (Appr	3	09-Jun-17	12-Jun-17	06-Nov-17	07-Nov-17	100%	0%	-123																				
A38070	Pressure Test	3	13-Jun-17	15-Jun-17	08-Nov-17	08-Nov-17	100%	0%	-121																				
A38080	Backfill, Extract Sheet Piles and Reinstale Pavement	6	16-Jun-17	22-Jun-17	09-Nov-17	09-Nov-17	100%	0%	-116																				
Grd Lvl - External Storm Drainage Connection																													
A37400	Storm drain Excavation Adjacent Main Road GL 5a-10a / Aa	16	01-Jun-17	19-Jun-17	30-Oct-17	16-Nov-17	100%	0%	-125																				
A37410	Construct Storm Water Manholes (SMH-01 & 02)	12	20-Jun-17	04-Jul-17	17-Nov-17	30-Nov-17	100%	0%	-125																				
A37420	Install Storm Drain Pipes & Testing	30	05-Jul-17	08-Aug-17	01-Dec-17	08-Jan-18	100%	0%	-125																				
A37430	Connect to Existing Storm Manholes & Backfill	16	09-Aug-17	26-Aug-17	09-Jan-18	26-Jan-18	100%	0%	-125																				
A37440	Completed Storm Drain + Report	6	28-Aug-17	02-Sep-17	27-Jan-18	02-Feb-18	100%	0%	-125																				
WSD																													
Water Main Works at Portion M01 (Refer to M+ MEP Programme)																													
A29800	PIW Contractor Allow Access to Portion M45 to HCC (IS Appendix D1, it	0	20-May-17		30-Oct-17*		100%	0%	-134	◆ PIW Contractor Allow Access to Portion M45 to HCC (IS Appendix D1, item 36, 31 July 16), 30-																			
A29810	Complete Master Meter Room Structure B1 Slab, Wall & Column (Ref	0		19-May-17		30-Oct-17*	100%	0%	-134	◆ Complete Master Meter Room Structure B1 Slab, Wall & Column (Refer to MICP).																			
A29820	Remove existing hoarding fixed to Sheet pile	6	20-May-17	26-May-17	30-Oct-17	04-Nov-17	100%	0%	-134																				
A29830	Install a new hoarding with 500mm clearance from roadside	6	27-May-17	03-Jun-17	06-Nov-17	11-Nov-17	100%	0%	-134																				
A29840	Excavate Trench in footway to expose PIW watermain & Cut Down Sh	2	05-Jun-17	06-Jun-17	13-Nov-17	14-Nov-17	100%	0%	-134																				
A29850	Lay 2 Nos of DN150 DI Fresh Water Pipe & 1 No of DN100 DI Salt Wate	5	07-Jun-17	12-Jun-17	15-Nov-17	20-Nov-17	100%	0%	-134																				
A29860	Pressure test (By PIW Contractor)	6	13-Jun-17	19-Jun-17	21-Nov-17	27-Nov-17	100%	0%	-134																				
A29870	Remove the Blank Flanges & Make Final Connection	2	20-Jun-17	21-Jun-17	28-Nov-17	29-Nov-17	100%	0%	-134																				
A29880	Backfill & Reinstale to Ground Level	3	22-Jun-17	24-Jun-17	30-Nov-17	02-Dec-17*	100%	0%	-134																				
A29890	Handover to PIW for footway pavement construction (IS Appdx D1, #36	0		24-Jun-17		02-Dec-17*	100%	0%	-134	◆ Handover to PIW for footway pavement construction (IS Appdx																			
Water Main Works at Portion M17																													
A29900	Open Cut Excavation for DN200 pipe along gridline G/13-14 to F-G/14	10	26-Aug-17	06-Sep-17	02-Dec-17	13-Dec-17	100%	0%	-81																				
A29910	Lay down and install DN200 pipe	10	07-Sep-17	18-Sep-17	14-Dec-17	27-Dec-17	100%	0%	-81																				
A29920	Construct M+ Street Fire Hydrant & FS Pipe at gridline EF/14	12	19-Sep-17	03-Oct-17	28-Dec-17	11-Jan-18	100%	0%	-81																				
A29930	Connect DN200 pipe to Street Fire Hydrant	1	04-Oct-17	04-Oct-17	12-Jan-18	12-Jan-18	100%	0%	-81																				
A29940	Excavate Trench for DN150 pipe along gridline A-F/14	15	06-Oct-17	23-Oct-17	13-Jan-18	30-Jan-18	100%	0%	-81																				
A29950	Lay down and install DN 150 pipe and connect isolation valve (gridline	14	24-Oct-17	09-Nov-17	31-Jan-18	15-Feb-18	28.57%	0%	-81																				
A29960	Construct End Block and Washout Tee w/ washout pump pit	10	10-Nov-17	21-Nov-17	20-Feb-18	02-Mar-18	0%	0%	-81																				
A29970	Lay down and install remaining DN150 pipe	6	22-Nov-17	28-Nov-17	03-Mar-18	09-Mar-18	0%	0%	-81																				
A29980	Pressure Test	3	29-Nov-17	01-Dec-17	10-Mar-18	13-Mar-18	0%	0%	-81																				

Three Months Rolling Programme (3MRP) - Mth 25 - 28 October 2017

Activity ID	Activity Name	CMWP Dur.	CMWP - R0.D5 Start	CMWP -R0.D5 Finish	Actual / Forecast Start	Actual / Forecast Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	October					November					December					January					February										
										25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	05	12	19	26	01	08	15	22	29	05		
SUM-4200	External Works	354	29-Dec-16	10-Mar-18	29-Dec-16 A	14-Feb-18	69.49%	74.58%	18																															
Co-ordinated External Works & Utilities Services Installation																																								
SUM-5000	Interface Dates	1265	01-Oct-15	18-Mar-19	01-Oct-15 A	24-May-19	60%	54.7%	-67																															
SUM-5100	Construction	583	12-Jul-16	29-Jun-18	12-Jul-16 A	15-Nov-18	66.38%	46.66%	-115																															
M+ Statutory Inspection, OP & PC																																								
SUM-8020	EPD Genset	148	20-May-17	14-Oct-17	16-Jun-17 A	27-Sep-17 A	100%	100%	18																															
SUM-8030	Drainage	58	12-Nov-17	08-Jan-18	15-Feb-18	13-Apr-18	0%	0%	-95																															

Lyric Theatre Complex

Activity ID	Activity Name	Durn. (Days)	Planned Start	Planned Finish	Current / Actual Start	Current / Actual Finish	Physical % Complete	Finish Variance	Float (Days)	2017												2018											
										Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov			
										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
ELS for DCS Intake Cofferdam and DCS / Box Culvert Outfall Cofferdam																																	
KEY DAY																																	
Supplemental Agreement / Contract Administrator's Instruction																																	
DCS.0010	Issuance of CAI 025 - Design of ELS for DCS Intake Cofferdam	0	14-Mar-17		14-Mar-17 A		100%	0		◆																							
DCS.0020	Forming of Supplementary Agreement	0	13-Jul-17		02-Dec-17*		0%	-119	-121																								
DCS.0080	KD5: Completion of Cofferdam A Including Submission of Pumping Test Report	0		06-Oct-18		23-Jul-18*	0%	75	74												◆												
DCS.0090	KD4: Completion of Cofferdam B Including Submission of Pumping Test Report	0		08-Jul-18		23-Feb-18*	0%	135	135												◆												
Access Date																																	
DCS.0130	M+ Contractor (Hsin Chong) Vacate DCS Eastern Portion	0		09-Apr-17		09-Apr-17 A	100%	0		◆																							
DCS.0140	M+ Contractor (Hsin Chong) Vacate DCS Western Portion	0		05-May-17		05-May-17 A	100%	0		◆																							
DCS.0150	Access to Portion M14B and M14C	0	09-Jun-17		03-Jun-17 A		100%	5			◆																						
DCS.0180	Vacate Area Within Lyric Main Cofferdam and Handover to L1 Contractor	0		28-Feb-18		28-Feb-18*	0%	0	0												◆												
DCS.0190	Vacate and Handover Working Area within M+ Boundary	0		10-Feb-18		10-Feb-18*	0%	0	0												◆												
APPROVAL / PERMIT																																	
DCS.0270	Obtaining Tree Felling Permit from PMC for Tree Removal in DCS Construction Area	0		13-Jul-17		11-Jul-17 A	100%	2													◆												
DCS.0290	Obtaining No Objection from PMC for Use of Water Barrier as Hoarding	0		13-Jul-17		12-Jul-17 A	100%	1													◆												
SUMMARY OF MAJOR WORKS																																	
DCS.0610	Cofferdam A First Design Submission and Approval; Obtaining BD Consent for Commencement	93	11-May-17	11-Aug-17	11-May-17 A	21-Aug-17 A	100%	-9																									
DCS.0612	Withdrawal of BA8 (Initial Monitoring Reading Missing), Re-submission to Obtain BD Consent	0			24-Aug-17 A	19-Sep-17 A	100%																										
DCS.0620	Pre-grouting Works for Cofferdam A	40	12-Aug-17	27-Sep-17	04-Sep-17 A	25-Oct-17 A	100%	-21																									
DCS.0640	Installation of Cofferdam A Stage 1 CPP and Grout Curtain; Side Walls	80	23-Sep-17	30-Dec-17	18-Oct-17 A	16-Jan-18	42%	-13	-29																								
DCS.0650	Installation of Cofferdam A Stage 2 CPP and Grout Curtain; Western Portion of ESS	63	06-Dec-17	23-Feb-18	24-Nov-17 A	02-Feb-18	13%	15	30																								
DCS.0660	Installation of Cofferdam A Stage 3 CPP and Grout Curtain; Eastern Portion of ESS	126	20-Feb-18	25-Jul-18	19-Nov-17 A	10-May-18	12%	62	60																								
DCS.0680	Submission of BA14 for Completion of Cofferdam A CPP and BD Acknowledgement	54	26-Jul-18	17-Sep-18	11-May-18	03-Jul-18	0%	76	74																								
DCS.0690	Pumping Test at Cofferdam A and Submission of Report to BD	19	18-Sep-18	06-Oct-18	04-Jul-18	23-Jul-18	0%	75	74																								
DCS.0710	Allow M+ Contractor for Construction of 600D Seawater Outfall Pipe within 2m Zone of Cofferdam A	39	02-Jan-18	15-Feb-18	26-Jan-18	15-Mar-18	0%	-21	75																								
DCS.0810	Cofferdam B First Design Submission and Approval; Obtaining BD Consent for Commencement (Rejected)	93	08-Jul-17	08-Oct-17	10-Jul-17 A	26-Jul-17 A	100%	75																									
DCS.0814	BD Confirmation of Not Approval by BD; Obtaining ICE Certification and Approval by PMC	0			26-Jul-17 A	01-Sep-17 A	100%																										
DCS.0820	Pre-grouting Works for Cofferdam B	32	09-Oct-17	15-Nov-17	25-Aug-17 A	22-Sep-17 A	100%	44																									
DCS.0840	Installation of Cofferdam B Stage 1 CPP and Grout Curtain (Side Walls)	37	16-Nov-17	30-Dec-17	22-Sep-17 A	24-Nov-17 A	100%	30																									
DCS.0850	Installation of Temporary Decking over Outfall Pipes for Stage 2 Clutch Pipe Pile (Confirmed NA02 Dec 17)	10	20-Feb-18	02-Mar-18	30-Nov-17 A	30-Nov-17 A	100%	74																									
DCS.0860	Installation of Cofferdam B Stage 2 CPP and Grout Curtain (End Wall)	42	03-Mar-18	25-Apr-18	27-Sep-17 A	25-Nov-17 A	100%	120																									
DCS.0880	Submission of As-built Records for Completion of Cofferdam B CPP and CA Acknowledgement	55	26-Apr-18	19-Jun-18	01-Dec-17 A	25-Jan-18	1%	145	164																								
DCS.0888	Installation of De-watering and Observation Wells for Pumping Test; Submission of initial Readings	0			01-Dec-17 A	18-Dec-17	6%		105																								
DCS.0890	Pumping Test at Cofferdam B and Submission of Report to CA	19	20-Jun-18	08-Jul-18	19-Dec-17	06-Jan-18	0%	183	135																								
DCS.0920	Allow M+ Contractor for Construction of 600D Seawater Outfall Pipe within 2m Zone of Cofferdam B	39	02-Jan-18	15-Feb-18	06-Jan-18	23-Feb-18	0%	-4	107																								
DCS.0930	Allow L1 Contractor to Access to Portion M41C for Diversion of 11 kV CLP Cables	39	02-Jan-18	15-Feb-18	06-Jan-18	23-Feb-18	0%	-4	107																								
DESIGN OF ELS FOR COFFERDAMS A AND B																																	
Design, BD Submission / Approval / Consent																																	
DCS.1050	Preliminary Design for Cofferdam A First (1st) BD Submission	15	15-Mar-17	31-Mar-17	15-Mar-17 A	31-Mar-17 A	100%	1																									
DCS.1060	Design Review of Cofferdam A by PMC and Design Revision	16	01-Apr-17	24-Apr-17	01-Apr-17 A	24-Apr-17 A	100%	1																									
DCS.1070	CA's No Objection to Contractor's Design	12	25-Apr-17	10-May-17	25-Apr-17 A	10-May-17 A	100%	1																									
DCS.1080	Design Submission for Cofferdam A to BD by PMC	4	11-May-17	15-May-17	11-May-17 A	15-May-17 A	100%	1																									
DCS.1090	Obtaining BD Approval for Cofferdam A First (1st) Design Submission	60	16-May-17	14-Jul-17	16-May-17 A	01-Aug-17 A	100%	-18																									
DCS.1100	Submission of BA8 and Obtaining BD Consent of Cofferdam A	28	15-Jul-17	11-Aug-17	26-Jul-17 A	21-Aug-17 A	100%	-9																									
DCS.1103	Withdrawal of BA8 Consent Application (Initial Monitoring Readings Missing) and Re-submission	0			24-Aug-17 A	24-Aug-17 A	100%																										
DCS.1110	Obtaining BA8 BD Consent for Cofferdam A	0			25-Aug-17 A	19-Sep-17 A	100%																										
DCS.1140	Cofferdam A Design Amendment after UU Checking and Exposure	14	15-Aug-17	30-Aug-17	09-Aug-17 A	08-Sep-17 A	100%	-7																									
DCS.1150	Review of Design Amendment for Cofferdam A by PMC	14	31-Aug-17	15-Sep-17	09-Sep-17 A	13-Oct-17 A	100%	-21																									
DCS.1160	Submission of Design Amendment of Cofferdam A to BD by PMC	2	16-Sep-17	18-Sep-17	14-Oct-17 A	18-Oct-17 A	100%	-23																									
DCS.1170	Obtaining BD Approval for Cofferdam A Design Amendment	30	19-Sep-17	18-Oct-17	19-Oct-17 A	03-Dec-17	98%	-46	-30																								
DCS.1250	Preliminary Design for Cofferdam B First (1st) BD Submission	13	15-May-17	29-May-17	15-May-17 A	29-May-17 A	100%	1																									
DCS.1260	Design Review of Cofferdam B by PMC and Design Revision	32	31-May-17	07-Jul-17	31-May-17 A	10-Jul-17 A	100%	-1																									

■ Primary Baseline
■ Actual Work
■ Remaining Work
■ Critical Remaining Work
◆ Milestone

WEST KOWLOON CULTURAL DISTRICT AUTHORITY
FOUNDATION WORKS FOR LYRIC THEATRE COMPLEX
AND THE EXTENDED BASEMENT IN ZONE 3B
PROGRESS PROGRAMME FOR ELS FOR DCS INTAKE AND OUTFALL COFFERDAMS
 (Planned Dates as of Programme Rev. '0' 1st Draft Dated 08-Jul-2017)



Date	Revision	Checked	Approved
08-Jul-17	Submission for SA	R.L. / D.L.	A.W. / K.K.
01-Dec-17	Update	R.L. / D.L.	K.K.

C. Action and Limit Levels for Construction Phase

Air Quality

The Action and Limit Levels for 1-hour and 24-hour TSP for the monitoring station are presented in following tables:

Table C-1: Action and Limit Levels for 1-hour TSP

Monitoring Station	Action Level (mg/m ³)	Limit Level (mg/m ³)
AM1	273.7	500
AM2A	274.2	500

Table C-2: Action and Limit Levels for 24-hour TSP

Monitoring Station	Action Level (µg/m ³)	Limit Level (µg/m ³)
AM1	143.6	260
AM2A	151.1	260

Noise

The Action and Limit Levels for Noise for the monitoring stations are presented in following table:

Table C-3: Action and Limit Levels for Construction Noise

Time Period & Monitoring Locations	Action Level	Limit Level
NM1A		
0700-1900 hours on normal weekdays	When one documented complaint is received from any one of the sensitive receivers	75 dB(A)

D. Event and Action Plan for Air Quality, Noise, Landscape and Visual Impact

Air Quality

In case the Action and Limit Levels are not complied during construction stage, the following Event and Action Plan should be followed:

Table D-1: Event and Action Plan for Air Quality

Event	Action			
	ET	IEC	WKCD A	Contractor
Action Level				
1. Exceedance for one sample	<ol style="list-style-type: none"> 1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform IEC and WKCD A; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method. 	<ol style="list-style-type: none"> 1. Notify Contractor 	<ol style="list-style-type: none"> 1. Rectify any unacceptable practice; 2. Amend working methods if appropriate.
2. Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> 1. Identify source; 2. Inform IEC and WKCD A; 3. Advise the WKCD A on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with IEC and WKCD A; 8. If exceedance stops, cease additional monitoring. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ET on the effectiveness of the proposed remedial measures; 5. Monitor the implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. 	<ol style="list-style-type: none"> 1. Submit proposals for remedial to WKCD A within three working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate.
Limit Level				
1. Exceedance for one sample	<ol style="list-style-type: none"> 1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform WKCD A, Contractor and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and WKCD A informed of the results. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the WKCD A on the effectiveness of the proposed remedial measures; 5. Monitor the implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. 	<ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within three working days of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate.

Event**Action**

2. Exceedance for two or more consecutive samples	<ol style="list-style-type: none">1. Notify IEC, WKCDA, Contractor and EPD;2. Identify source;3. Repeat measurement to confirm findings;4. Increase monitoring frequency to daily;5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;6. Arrange meeting with IEC and WKCDA to discuss the remedial actions to be taken;7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and WKCDA informed of the results;8. If exceedance stops, cease additional monitoring.	<ol style="list-style-type: none">1. Check monitoring data submitted by ET;2. Check Contractor's working method;3. Discuss amongst WKCDA, ET, and Contractor on the potential remedial actions;4. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the WKCDA accordingly;5. Monitor the implementation of remedial measures.	<ol style="list-style-type: none">1. Confirm receipt of notification of failure in writing;2. Notify Contractor;3. In consolidation with the IEC, agree on the remedial measures to be implemented;4. Ensure remedial measures properly implemented;5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	<ol style="list-style-type: none">1. Take immediate action to avoid further exceedance;2. Submit proposals for remedial actions to IEC within three working days of notification;3. Implement the agreed proposals;4. Resubmit proposals if problem still not under control;5. Stop the relevant portion of works as determined by the WKCDA until the exceedance is abated.
---	--	--	---	--

Construction Noise

In case the Action and Limit Levels are not complied during construction stage, the following Event and Action Plan should be followed:

Table D-2: Event and Action Plan for Construction Noise

Event	Action			
	ET	IEC	WKCD	Contractor
Action Level	<ol style="list-style-type: none"> 1. Notify WKCD, IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, WKCD and Contractor; 4. Discuss with the IEC and Contractor on remedial measures required; 5. Increase monitoring frequency to check mitigation effectiveness. 	<ol style="list-style-type: none"> 1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the WKCD accordingly; 3. Advise the WKCD on the effectiveness of the proposed remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Submit noise mitigation proposals to IEC and WKCD; 2. Implement noise mitigation proposals.
Limit Level	<ol style="list-style-type: none"> 1. Inform IEC, WKCD, Contractor and EPD; 2. Repeat measurements to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contractor's working procedures; 6. Discuss with the IEC, Contractor and WKCD on remedial measures required; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and WKCD informed of the results; 8. If exceedance stops, cease additional monitoring. 	<ol style="list-style-type: none"> 1. Discuss amongst WKCD, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the WKCD accordingly. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; 5. If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated. 	<ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and WKCD within 3 working days of notification; 3. Implement the agreed proposals; 4. Submit further proposal if problem still not under control; 5. Stop the relevant portion of works as instructed by the WKCD until the exceedance is abated.

Landscape and Visual Impact

In case of non-compliance of landscape and visual impacts, procedures in accordance with the Event and Action Plan should be followed:

Table D-3: Event and Action Plan for Landscape and Visual Impact

Event	Action			
	ET	IEC	WKCD A	Contractor
Design Check	<ol style="list-style-type: none"> 1. Design check to make sure the design complies with all the proposed mitigation measures in the EIA report; 2. Prepare and submit report. 	<ol style="list-style-type: none"> 1. Check report submitted by ET; 2. Recommend remedial design if necessary. 	<ol style="list-style-type: none"> 1. Undertake remedial design if necessary. 	-
Non-conformity on one occasion	<ol style="list-style-type: none"> 1. Identify source of non-conformity; 2. Report to IEC and WKCD A; 3. Discuss remedial actions with IEC, WKCD A and Contractor; 4. Monitor remedial actions until rectification has been completed. 	<ol style="list-style-type: none"> 1. Check and verify source of non-conformity; 2. Discuss remedial actions with ET and Contractor; 3. Advise WKCD A on effectiveness of proposed remedial actions; 4. Check implementation of remedial actions. 	<ol style="list-style-type: none"> 1. Notify Contractor; 2. Ensure remedial actions are properly implemented. 	<ol style="list-style-type: none"> 1. Amend working method as necessary; 2. Rectify damage and undertake necessary replacement and remedial actions.
Repeated conformity	<ol style="list-style-type: none"> 1. Identify source of non-conformity; 2. Report to IEC and WKCD A; 3. Increase monitoring frequency; 4. Discuss remedial actions with IEC, WKCD A and Contractor; 5. Monitor remedial actions until rectification has been completed; 6. If non-conformity rectified, reduce monitoring frequency back to normal. 	<ol style="list-style-type: none"> 1. Check and verify source of non-conformity; 2. Check Contractor's working method; 3. Discuss remedial actions with ET and Contractor; 4. Advise WKCD A on effectiveness of proposed remedial actions; 5. Supervise implementation of remedial actions. 	<ol style="list-style-type: none"> 1. Notify Contractor; 2. Ensure remedial actions are properly implemented. 	<ol style="list-style-type: none"> 1. Amend working method as necessary; 2. Rectify damage and undertake necessary replacement and remedial actions.

E. Monitoring Schedule

NOVEMBER 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	7	8	9	10 AM1, AM2A - 24hrTSP, 1hr TSP x3	11
12	13	14	15	16 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	17	18
19	20	21	22 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	23	24	25
26	27	28 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	29	30		
		Notes: AM1 - International Commerce Centre (ICC) AM2A - Austin Road West (Opposite to The Harbourside) NM1A - International Commerce Centre (ICC)				

DECEMBER 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	5	6	7	8 AM1, AM2A - 24hrTSP, 1hr TSP x3	9
10	11	12	13	14 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	15	16
17	18	19	20 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	21	22	23 AM1, AM2A - 24hrTSP, 1hr TSP x3
24	25	26	27	28	29 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	30
31		Notes: AM1 - International Commerce Centre (ICC) AM2A - Austin Road West (Opposite to The Harbourside) NM1A - International Commerce Centre (ICC)				

F. Calibration Certifications

High-Volume TSP Sampler
5-Point Calibration Record

Location : AM1(ICC)
 Calibrated by : K.T.Ho
 Date : 12/10/2017

Sampler

Model : TE-5170
 Serial Number : S/N 0767

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454
 Service Date : 20 Mar 2017
 Slope (m) : 2.08464
 Intercept (b) : -0.03684
 Correlation Coefficient(r) : 0.99994

Standard Condition

Pstd (hpa) : 1013
 Tstd (K) : 298.18

Calibration Condition


Pa (hpa) : 1011
 Ta(K) : 304

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1 18 holes	10.4	3.190	1.548	60	59.35
2 13 holes	8.4	2.867	1.393	53	52.42
3 10 holes	6.1	2.443	1.190	44	43.52
4 7 holes	4.4	2.075	1.013	36	35.61
5 5 holes	2.6	1.595	0.783	22	21.76

Notes: $Z = \sqrt{dH(Pa/Pstd)(Tstd/Ta)}$, $X = Z/m - b$, $Y(\text{Corrected Flow}) = IC * \{\sqrt{Pa/Pstd}(Tstd/Ta)\}$

Sampler Calibration Relationship

Slope(m): 48.347 Intercept(b): -14.767 Correlation Coefficient(r): 0.9972

Checked by: 
 Magnum Fan

Date: 15/10/2017

High-Volume TSP Sampler
5-Point Calibration Record

Location : AM2A (Harbourside)
 Calibrated by : K.T.Ho
 Date : 12/10/2017

Sampler

Model : TE-5170
 Serial Number : S/N 8919

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454
 Service Date : 20 Mar 2017
 Slope (m) : 2.08464
 Intercept (b) : -0.03684
 Correlation Coefficient(r) : 0.99994

Standard Condition

Pstd (hpa) : 1013
 Tstd (K) : 298.18

Calibration Condition


Pa (hpa) : 1011
 Ta(K) : 304

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1 18 holes	12.2	3.455	1.675	58	57.37
2 13 holes	9.2	3.000	1.457	52	51.43
3 10 holes	7.2	2.654	1.291	44	43.52
4 7 holes	4.6	2.121	1.035	34	33.63
5 5 holes	2.6	1.595	0.783	24	23.74

Notes: $Z = \sqrt{dH(Pa/Pstd)(Tstd/Ta)}$, $X = Z/m - b$, $Y(\text{Corrected Flow}) = IC * \{\sqrt{Pa/Pstd}(Tstd/Ta)\}$

Sampler Calibration Relationship

Slope(m): 38.562 Intercept(b): -6.192 Correlation Coefficient(r): 0.9978

Checked by: 
 Magnum Fan

Date: 15/10/2017



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

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Mar 20, 2017 Rootsmeter S/N 0438320 Ta (K) - 293
 Operator Tisch Orifice I.D. - 2454 Pa (mm) - 759.46

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER	ORFICE
					DIFF Hg (mm)	DIFF H2O (in.)
1	NA	NA	1.00	1.4390	3.2	2.00
2	NA	NA	1.00	1.0240	6.4	4.00
3	NA	NA	1.00	0.9170	7.9	5.00
4	NA	NA	1.00	0.8730	8.8	5.50
5	NA	NA	1.00	0.7200	12.8	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)	Va	(x axis) Qa	(y axis)
1.0120	0.7033	1.4257	0.9958	0.6920	0.8784
1.0078	0.9842	2.0163	0.9916	0.9683	1.2423
1.0057	1.0967	2.2543	0.9895	1.0791	1.3889
1.0045	1.1507	2.3643	0.9884	1.1322	1.4567
0.9992	1.3878	2.8514	0.9831	1.3654	1.7568
Qstd slope (m) = 2.08464			Qa slope (m) = 1.30537		
intercept (b) = -0.03684			intercept (b) = -0.02270		
coefficient (r) = 0.99994			coefficient (r) = 0.99994		
y axis = SQRT[H2O(Pa/760) (298/Ta)]			y axis = SQRT[H2O(Ta/Pa)]		

CALCULATIONS

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

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

For subsequent flow rate calculations:

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

CALIBRATION CERTIFICATE

Date: December 21, 2016

Equipment Name	:	Digital Dust Indicator, Model LD-3B
Code No.	:	080000-42
Quantity	:	1 unit
Serial No.	:	276020
Sensitivity	:	0.001 mg/m ³
Sensitivity Adjustment	:	787CPM
Scale Setting	:	December 16, 2016

We hereby certify that the above mentioned instrument has been calibrated satisfactorily.

Sincerely


SIBATA SCIENTIFIC TECHNOLOGY LTD.

Shintaro Okamura

Shintaro Okamura

Overseas Sales Division

TEST CERTIFICATE

Report No. 16-1879-1.
 **SIBATA SCIENTIFIC TECHNOLOGY LTD.**
 DATE 19/ December /2016

CUSTOMER : INNOTECH INSTRUMENTATION CO.LTD.

APPROVE BY 	VERIFIED BY 	ISSUED BY 
---	--	--

PRODUCT NAME	: Digital Dust Indicator
MODEL NUMBER	: LD-3B
SERIAL NUMBER	: 276020
CALIBRATION DATE	: 16- December -2016

Testing Category	Judging Standard	Judgment		
		Reading of Master	Reading of this Instrument	Correction
Function Test	Switch, Display, Wiring will normally function	OK		
Sensitivity Calibration	Count is $\pm 2\%$ accurate to the master by the standard calibration particle	799 CPM	795 CPM	-0.5 %
Dust Concentration Measuring	Count is $\pm 10\%$ accurate to the master under the 3 different concentration.	2053 CPM	1979 CPM	-3.6 %
		978 CPM	957 CPM	-2.1 %
Reproducibility	The difference between maximum and minimum value of sensitivity adjustment scale setting must be 5.0 % or less of maximum value. (The results of measurement of sensitivity adjustment in 5 times are within this range.)	516 CPM	507 CPM	-1.7 %
		OK		
Synthetic Judgment		Good		
		Reference Value(S)		
		787 CPM		
		Test atmosphere		
		Temperature	Humidity	
		23 °C	45 %	


REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION

REPORT NO. : HK1710039
 PROJECT NAME : PERFORMANCE CHECK / CALIBRATION OF DUST METER
 DATE OF ISSUE : 17/01/2017
 CUSTOMER : Envirotech Services Company
 ADDRESS : Rm. 113, 1/F., MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T.

REPORT NO. : HK1710039
 PROJECT ITEM NO. : HK1710039-01
PERFORMANCE CHECK / CALIBRATED EQUIPMENT
 TYPE : Digital Dust Indicator
 MANUFACTURER : SIBATA
 MODEL NO. : LD-3B
 SERIAL NO. : 276020
 EQUIPMENT NO. : ---
 RECEIPT DATE : 11/01/2017
 PERFORMANCE CHECK / CALIBRATION DATE : 12/01/2017

PERFORMANCE CHECK / CALIBRATION Information

CODE	Calibration Parameter	Method Procedure	Reference Method
Dust PC/CAL	Performance Check / Calibration of Dust Meter	CAL003	General Technical Requirements of Environmental Monitoring, Environmental Monitoring & Audit Guidelines for Development Projects in HK

- Notes :
1. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.
 2. Performance Check / Calibration result relates to performance check / calibration item(s) as received.

Approved Signatory

Issue Date:

17/01/2017

 Wong Po Yan Pauline
 (Testing Engineer)


REPORT OF PERFORMANCE CHECK / CALIBRATION

PROJECT NAME : PERFORMANCE CHECK / CALIBRATION OF DUST METER
 DATE OF ISSUE : 17/01/2017
 REPORT NO. : HK1710039

PERFORMANCE CHECK / CALIBRATED EQUIPMENT

TYPE : Digital Dust Indicator
 MANUFACTURER : SIBATA
 MODEL NO. : LD-3B
 SERIAL NO. : 276020
 EQUIPMENT NO. : ---
 SENSITIVITY ADJUSTMENT : ---
 PERFORMANCE CHECK / CALIBRATION DATE : 12/01/2017

STANDARD EQUIPMENT

TYPE : HIGH VOLUME AIR SAMPLER
 MANUFACTURER : TISCH
 MODEL NO. : TE-5170
 EQUIPMENT REF NO. : PTL_HV002
 LAST CALIBRATION DATE : 23/11/2016

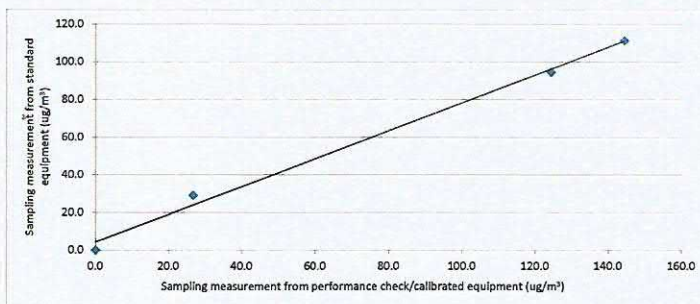
EQUIPMENT PERFORMANCE CHECK / CALIBRATION RESULTS:

Sensitivity Adjustment Scale Setting (Before Performance check / Calibration): 787 CPM
 Sensitivity Adjustment Scale Setting (After Performance check / Calibration): 787 CPM

Trial no. in 1-hr period	Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m ³ (Standard equipment) (Y - Axis)	Total Count ² (Performance Check / Calibrated equipment)	Concentration in Count/Minute ³ (Performance Check / Calibrated equipment) (X - Axis)
Zero Check ¹	12/01/2017,10:00:00 AM	19	1016	0	0	0
1	12/01/2017,11:10:00 AM	19	1016	95	7462	124
2	12/01/2017,2:30:00 PM	19	1016	111	8670	145
3	12/01/2017,3:34:00 PM	19	1016	29	1600	27

Linear Regression of Y on X

Slope (K- factor) : 0.7
 Correlation Coefficient : 0.9972
 Validity of Performance Check / Calibration Record : 12/01/2018



- Notes : 1. Zero check conducted as per CAL003 SOP and manufacturer's manual as appropriate.
 2. Total Count was measured by Digital Dust Indicator.
 3. Count/minute was calculated by (Total Count/60)
 4. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.
 5. Performance Check / Calibration result relates to performance check / calibration item(s) as received.

Operator: MA Ching Him, Jackey Signature: [Signature] Date: 12/01/2017

Checked by: Wong Po Yan, Pauline Signature: [Signature] Date: 17/01/2017

CALIBRATION CERTIFICATE

Date: December 21, 2016

Equipment Name	:	Digital Dust Indicator, Model LD-3B
Code No.	:	080000-42
Quantity	:	1 unit
Serial No.	:	2Z6240
Sensitivity	:	0.001 mg/m ³
Sensitivity Adjustment	:	565CPM
Scale Setting	:	December 16, 2016

We hereby certify that the above mentioned instrument has been calibrated satisfactorily.

Sincerely

SIBATA SCIENTIFIC TECHNOLOGY LTD.

Shintaro Okamura

Shintaro Okamura

Overseas Sales Division

TEST CERTIFICATE

Report No. 16-1879-2

CUSTOMER : INNOTECH INSTRUMENTATION CO.LTD.



SIBATA SCIENTIFIC TECHNOLOGY LTD.

DATE 19/ December /2016

APPROVE BY 	VERIFIED BY 	ISSUED BY
----------------	-----------------	---------------

PRODUCT NAME	: Digital Dust Indicator
MODEL NUMBER	: LD-3B
SERIAL NUMBER	: 2Z6240
CALIBRATION DATE	: 16-- December --2016

Testing Category	Judging Standard	Judgment			Inspection chart
		Reading of Master	Reading of this Instrument	Correction	
Function Test	Switch, Display, Wiring will normally function	OK			Reference Value(S) 565 CPM Test atmosphere Temperature Humidity 23 °C 45 %
Sensitivity Calibration	Count is $\pm 2\%$ accurate to the master by the standard calibration particle	798 CPM	796 CPM	-0.3 %	
Dust Concentration Measuring	Count is $\pm 10\%$ accurate to the master under the 3 different concentration.	2053 CPM	1989 CPM	-3.1 %	
Reproducibility	The difference between maximum and minimum value of sensitivity adjustment scale setting must be 5.0 % or less of maximum value. (The results of measurement of sensitivity adjustment in 5 times are within this range.)	978 CPM	966 CPM	-1.2 %	
	Synthetic Judgment	516 CPM	515 CPM	-0.2 %	OK
Good					


REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION

REPORT NO. : HK1710040
PROJECT NAME : PERFORMANCE CHECK / CALIBRATION OF DUST METER
DATE OF ISSUE : 17/01/2017

CUSTOMER : Envirotech Services Company
ADDRESS : Rm. 113, 1/F., MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T.

REPORT NO. : HK1710040
PROJECT ITEM NO. : HK1710040-01
PERFORMANCE CHECK / CALIBRATED EQUIPMENT
TYPE : Digital Dust Indicator
MANUFACTURER : SIBATA
MODEL NO. : LD-3B
SERIAL NO. : 2Z6240
EQUIPMENT NO. : ---
RECEIPT DATE : 11/01/2017
PERFORMANCE CHECK / CALIBRATION DATE : 12/01/2017

PERFORMANCE CHECK / CALIBRATION Information

CODE	Calibration Parameter	Method Procedure	Reference Method
Dust PC/CAL	Performance Check / Calibration of Dust Meter	CAL003	General Technical Requirements of Environmental Monitoring, Environmental Monitoring & Audit Guidelines for Development Projects in HK

- Notes :
1. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.
 2. Performance Check / Calibration result relates to performance check / calibration item(s) as received.

Approved Signatory :

Issue Date: 17/01/2017

 Wong Po Yan Pauline
 (Testing Engineer)



REPORT OF PERFORMANCE CHECK / CALIBRATION

PROJECT NAME : PERFORMANCE CHECK / CALIBRATION OF DUST METER
 DATE OF ISSUE : 17/01/2017
 REPORT NO. : HK1710040

PERFORMANCE CHECK / CALIBRATED EQUIPMENT

TYPE : Digital Dust Indicator
 MANUFACTURER : SIBATA
 MODEL NO. : LD-3B
 SERIAL NO. : 2Z6240
 EQUIPMENT NO. : ---
 SENSITIVITY ADJUSTMENT : ---
 PERFORMANCE CHECK / CALIBRATION DATE : 12/01/2017

STANDARD EQUIPMENT

TYPE : HIGH VOLUME AIR SAMPLER
 MANUFACTURER : TISCH
 MODEL NO. : TE-5170
 EQUIPMENT REF NO. : PTL_HV002
 LAST CALIBRATION DATE : 23/11/2016

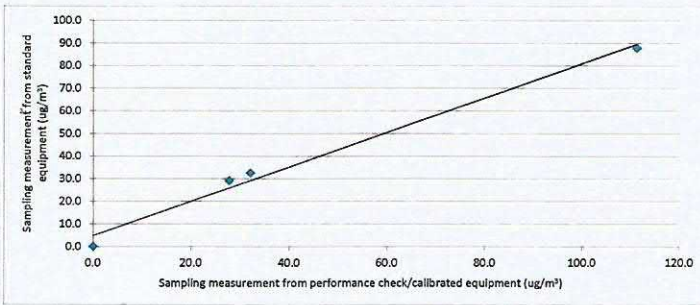
EQUIPMENT PERFORMANCE CHECK / CALIBRATION RESULTS:

Sensitivity Adjustment Scale Setting (Before Performance check / Calibration): 565 CPM
 Sensitivity Adjustment Scale Setting (After Performance check / Calibration): 565 CPM

Trial no. in 1-hr period	Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m ³ (Standard equipment) (Y - Axis)	Total Count ² (Performance Check / Calibrated equipment)	Concentration in Count/Minute ³ (Performance Check / Calibrated equipment) (X - Axis)
Zero Check ¹	12/01/2017,10:00:00 AM	19	1016	0	0	0
1	12/01/2017,12:15:00 PM	19	1016	88	6680	111
2	12/01/2017,1:25:00 PM	19	1016	33	1924	32
3	12/01/2017,3:34:00 PM	19	1016	29	1664	28

Linear Regression of Y on X

Slope (K- factor) : 0.8
 Correlation Coefficient : 0.9940
 Validity of Performance Check / Calibration Record : 12/01/2018



- Notes : 1. Zero check conducted as per CAL003 SOP and manufacturer's manual as appropriate.
 2. Total Count was measured by Digital Dust Indicator.
 3. Count/minute was calculated by (Total Count/60)
 4. This report shall not be reproduced, except in full, without prior approval from Pilot Testing Limited.
 5. Performance Check / Calibration result relates to performance check / calibration item(s) as received.

Operator: MA Ching Him, Jackey Signature: _____ Date: 12/01/2017

Checked by: Wong Po Yan, Pauline Signature: Wong Po Yan Date: 17/01/2017



Certificate of Calibration

校正證書

Certificate No. : C174093
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC17-1613) Date of Receipt / 收件日期 : 11 July 2017
Description / 儀器名稱 : Precision Integrating Sound Level Meter
Manufacturer / 製造商 : Rion
Model No. / 型號 : NL-18
Serial No. / 編號 : 00360030
Supplied By / 委託者 : Envirotech Services Co.
Room 113, 1/F, My Loft, 9 Hoi Wing Road, Tuen Mun,
New Territories, Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : $(23 \pm 2)^{\circ}\text{C}$ Relative Humidity / 相對濕度 : $(55 \pm 20)\%$
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration

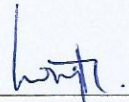
DATE OF TEST / 測試日期 : 22 July 2017

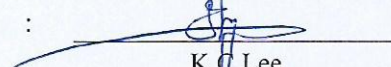
TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results do not exceed manufacturer's specification. (after adjustment)
The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By : 
測試 : H T Wong
Technical Officer

Certified By : 
核證 : K C Lee
Engineer

Date of Issue : 24 July 2017
簽發日期

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書請先獲本實驗室書面批准。

Certificate of Calibration

校正證書

Certificate No. : C174093

證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
2. Self-calibration using the internal standard (After Adjustment) was performed before the test from 6.1.1.2 to 6.4.
3. The results presented are the mean of 3 measurements at each calibration point.
4. Test equipment :

<u>Equipment ID</u>	<u>Description</u>	<u>Certificate No.</u>
CL280	40 MHz Arbitrary Waveform Generator	C170048
CL281	Multifunction Acoustic Calibrator	PA160023

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

6.1.1.1 Before Adjustment

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 110	LA	A	Fast	94.00	1	* 92.9	± 0.7

* Out of IEC 60651 Type 1 Spec.

6.1.1.2 After Adjustment

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 110	LA	A	Fast	94.00	1	94.1	± 0.7

6.1.2 Linearity

UUT Setting				Applied Value		UUT Reading (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	
60 - 120	LA	A	Fast	94.00	1	94.1 (Ref.)
				104.00		104.1
				114.00		114.1

IEC 60651 Type 1 Spec. : ± 0.4 dB per 10 dB step and ± 0.7 dB for overall different.

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室書面批准。

Certificate of Calibration

校正證書

Certificate No. : C174093

證書編號

6.2 Time Weighting

6.2.1 Continuous Signal

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)		
50 - 110	LA	A	Fast	94.00	1	94.1	Ref.
			Slow			94.0	± 0.1

6.2.2 Tone Burst Signal (2 kHz)

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Burst Duration		
50 - 110	LA	A	Fast	106.00	Continuous	106.0	Ref.
	LAmx				200 ms	105.1	-1.0 ± 1.0
	LA		Slow		Continuous	106.0	Ref.
	LAmx				500 ms	102.4	-4.1 ± 1.0

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 110	LA	A	Fast	94.00	31.5 Hz	54.5	-39.4 ± 1.5
					63 Hz	67.7	-26.2 ± 1.5
					125 Hz	77.7	-16.1 ± 1.0
					250 Hz	85.3	-8.6 ± 1.0
					500 Hz	90.7	-3.2 ± 1.0
					1 kHz	94.1	Ref.
					2 kHz	95.4	$+1.2 \pm 1.0$
					4 kHz	95.1	$+1.0 \pm 1.0$
					8 kHz	93.0	$-1.1 (+1.5 ; -3.0)$
12.5 kHz	89.8	$-4.3 (+3.0 ; -6.0)$					

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室書面批准。

Certificate of Calibration

校正證書

Certificate No. : C174093
證書編號

6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 60651 Type 1 Spec. (dB)
Range (dB)	Mode	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
50 - 110	LC	C	Fast	94.00	31.5 Hz	90.9	-3.0 ± 1.5
					63 Hz	93.2	-0.8 ± 1.5
					125 Hz	93.9	-0.2 ± 1.0
					250 Hz	94.1	0.0 ± 1.0
					500 Hz	94.2	0.0 ± 1.0
					1 kHz	94.1	Ref.
					2 kHz	94.0	-0.2 ± 1.0
					4 kHz	93.3	-0.8 ± 1.0
					8 kHz	91.1	-3.0 (+1.5 ; -3.0)
12.5 kHz	87.8	-6.2 (+3.0 ; -6.0)					

6.4 Time Averaging

UUT Setting				Applied Value					UUT Reading (dB)	IEC 60804 Type 1 Spec. (dB)	
Range (dB)	Mode	Frequency Weighting	Integrating Time	Freq. (kHz)	Burst Duration (ms)	Burst Duty Factor	Burst Level (dB)	Equivalent Level (dB)			
50 - 110	LAeq	A	10 sec.	4	1	1/10	110	100	100.1	± 0.5	
			60 sec.					1/10 ²	90	90.1	± 0.5
								1/10 ³	80	79.5	± 1.0
			5 min.					1/10 ⁴	70	69.8	± 1.0

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室書面批准。



輝創工程有限公司

Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration

校正證書

Certificate No. : C174093

證書編號

Remarks : - UUT Microphone Model No. : UC-53A & S/N : 307435

- Mfr's Spec. : IEC 60651 Type 1 & IEC 60804 Type 1

- Uncertainties of Applied Value :

94 dB	: 31.5 Hz - 125 Hz	: ± 0.35 dB
	250 Hz - 500 Hz	: ± 0.30 dB
	1 kHz	: ± 0.20 dB
	2 kHz - 4 kHz	: ± 0.35 dB
	8 kHz	: ± 0.45 dB
	12.5 kHz	: ± 0.70 dB
104 dB	: 1 kHz	: ± 0.10 dB (Ref. 94 dB)
114 dB	: 1 kHz	: ± 0.10 dB (Ref. 94 dB)
Burst equivalent level		: ± 0.2 dB (Ref. 110 dB continuous sound level)

- The uncertainties are for a confidence probability of not less than 95 %.

Note :

Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室所書面批准。

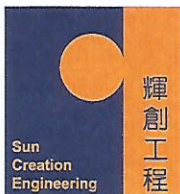
Sun Creation Engineering Limited - Calibration & Testing Laboratory

c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong

輝創工程有限公司 - 校正及檢測實驗室

c/o 香港新界屯門興安里一號青山灣機樓四樓

Tel 電話: 2927 2606 Fax 傳真: 2744 8986 E-mail 電郵: callab@suncreation.com Website 網址: www.suncreation.com



Certificate of Calibration 校正證書

Certificate No. : C171447
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC17-0633) Date of Receipt / 收件日期 : 16 March 2017
Description / 儀器名稱 : Sound Level Calibrator
Manufacturer / 製造商 : Rion
Model No. / 型號 : NC-73
Serial No. / 編號 : 10486660
Supplied By / 委託者 : Envirotech Services Co.
Room 113, 1/F, My Loft, 9 Hoi Wing Road, Tuen Mun,
New Territories, Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : $(23 \pm 2)^{\circ}\text{C}$ Relative Humidity / 相對濕度 : $(55 \pm 20)\%$
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 17 March 2017

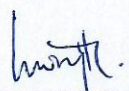
TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results do not exceed manufacturer's specification.
The results are detailed in the subsequent page(s).


The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By
測試


H T Wong
Technical Officer

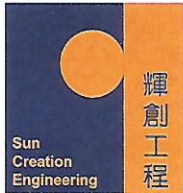
Certified By
核證


K C Lee
Project Engineer

Date of Issue : 23 March 2017
簽發日期

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室書面批准。



輝創工程有限公司

Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C171447

證書編號

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.
- Test equipment :

Equipment ID	Description	Certificate No.
CL130	Universal Counter	C163709
CL281	Multifunction Acoustic Calibrator	PA160023
TST150A	Measuring Amplifier	C161175

- Test procedure : MA100N.

- Results :

5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	93.6	± 0.5	± 0.2

5.2 Frequency Accuracy

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	0.987	1 kHz ± 2 %	± 1

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :

Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗室書面批准。

Sun Creation Engineering Limited – Calibration & Testing Laboratory

c/o 4/F, Tsing Shan Wan Exchange Building, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong

輝創工程有限公司 – 校正及檢測實驗室

c/o 香港新界屯門興安里一號青山灣機樓四樓

Tel/電話: 2927 2606

Fax/傳真: 2744 8986

E-mail/電郵: callab@suncreation.com

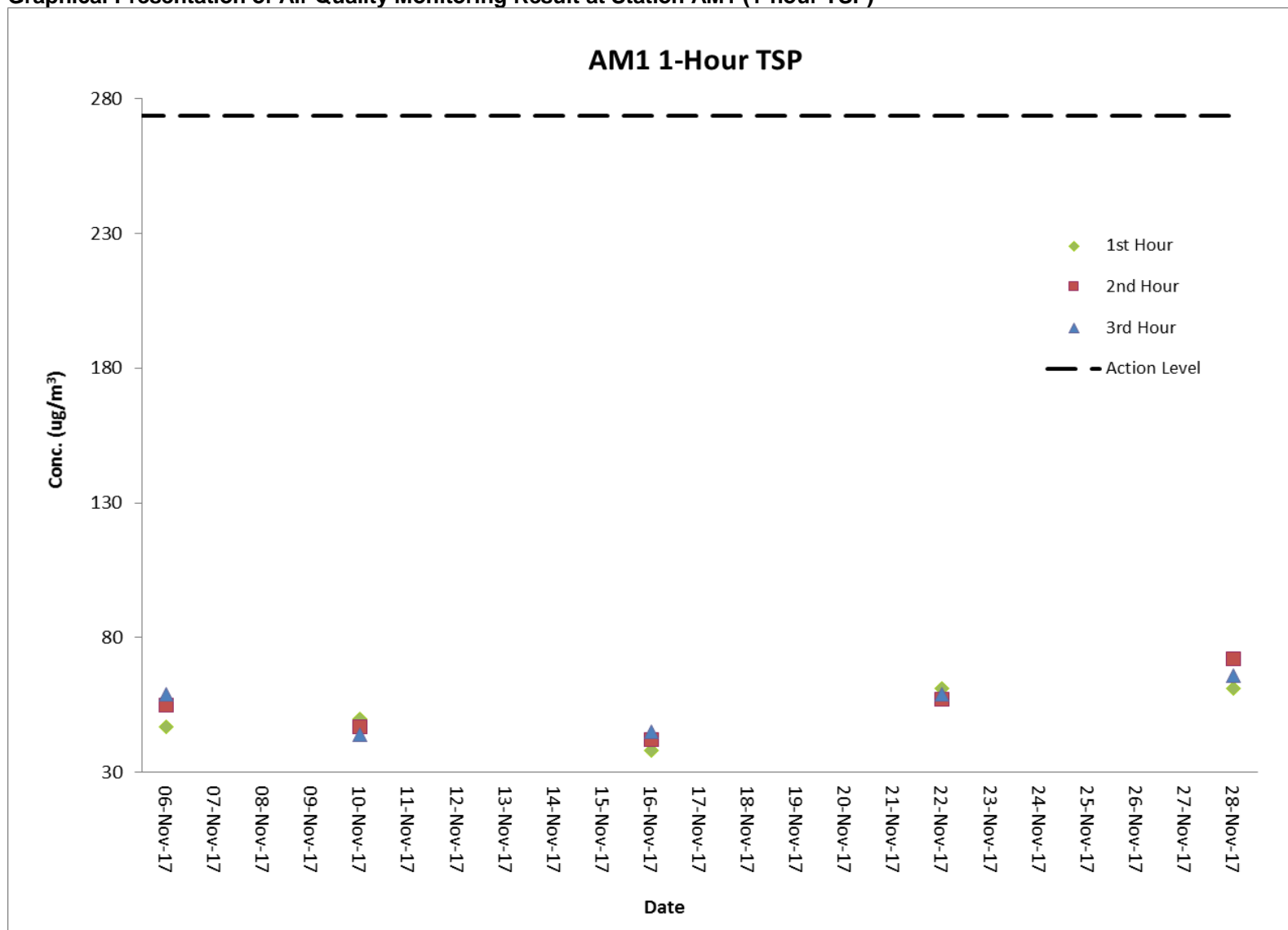
Website/網址: www.suncreation.com

G. 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 ($\mu\text{g}/\text{m}^3$)
			1st Hour	2nd Hour	3rd Hour		
06-Nov-17	Cloudy	10:35 - 16:00	47	55	59	273.7	500
10-Nov-17	Sunny	7:50 - 10:50	50	47	44	273.7	500
16-Nov-17	Fine	10:48 - 16:00	38	42	45	273.7	500
22-Nov-17	Sunny	10:40 - 16:00	61	57	59	273.7	500
28-Nov-17	Cloudy	10:38 - 16:00	61	72	66	273.7	500

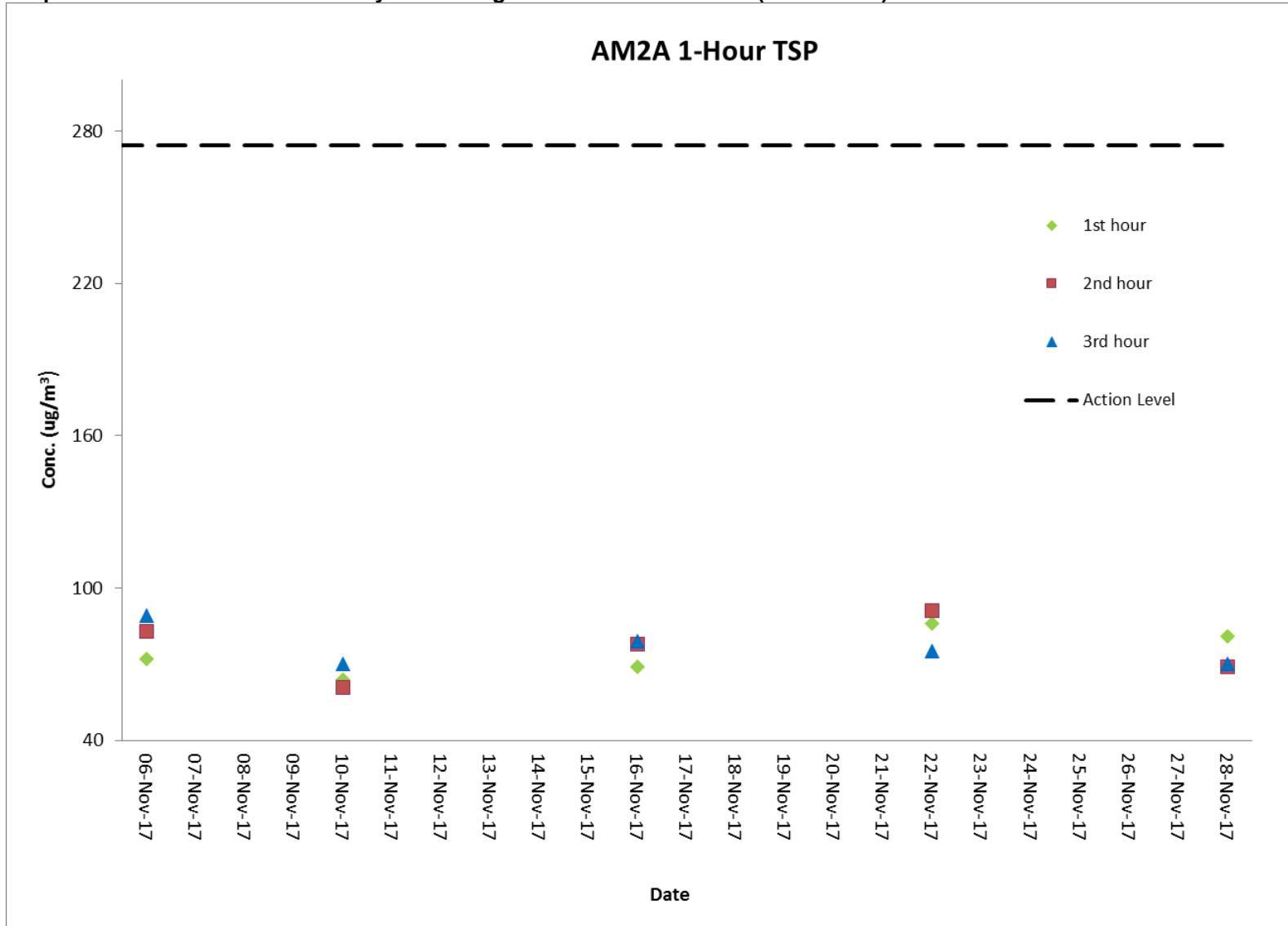
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (1-hour TSP)



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 ($\mu\text{g}/\text{m}^3$)
			1st Hour	2nd Hour	3rd Hour		
06-Nov-17	Cloudy	10:50 - 16:10	72	83	89	274.2	500
10-Nov-17	Sunny	8:05 - 11:05	64	61	70	274.2	500
16-Nov-17	Fine	11:02 - 16:10	69	78	79	274.2	500
22-Nov-17	Sunny	10:52 - 16:10	86	91	75	274.2	500
28-Nov-17	Cloudy	10:50 - 16:10	81	69	70	274.2	500

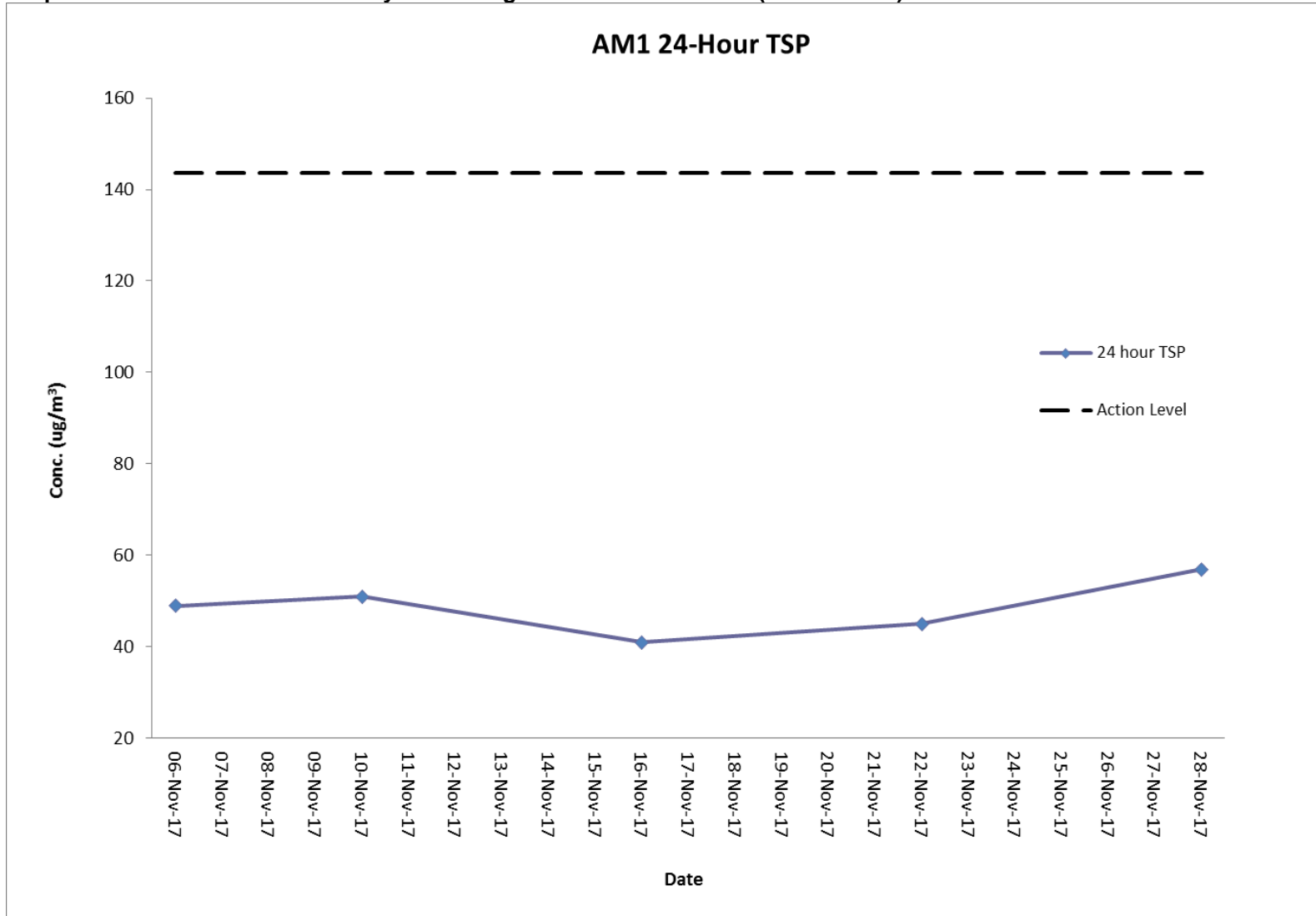
Graphical Presentation of Air Quality Monitoring Result at Station AM2A (1-hour TSP)



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

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m ³ /min)			Conc. (µg/m ³)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
06-Nov-17	10:37	07-Nov-17	10:37	2.6197	2.7066	21792.38	21816.38	24	1.22	1.22	1.22	49	Cloudy	143.6	260
10-Nov-17	07:52	11-Nov-17	07:52	2.6141	2.7035	21816.38	21840.38	24	1.22	1.22	1.22	51	Sunny	143.6	260
16-Nov-17	10:50	17-Nov-17	10:50	2.6377	2.71	21840.38	21864.38	24	1.22	1.22	1.22	41	Fine	143.6	260
22-Nov-17	10:38	23-Nov-17	10:38	2.6434	2.7219	21864.38	21888.38	24	1.22	1.22	1.22	45	Sunny	143.6	260
28-Nov-17	10:35	29-Nov-17	10:35	2.6703	2.7711	21888.38	21912.38	24	1.22	1.22	1.22	57	Cloudy	143.6	260

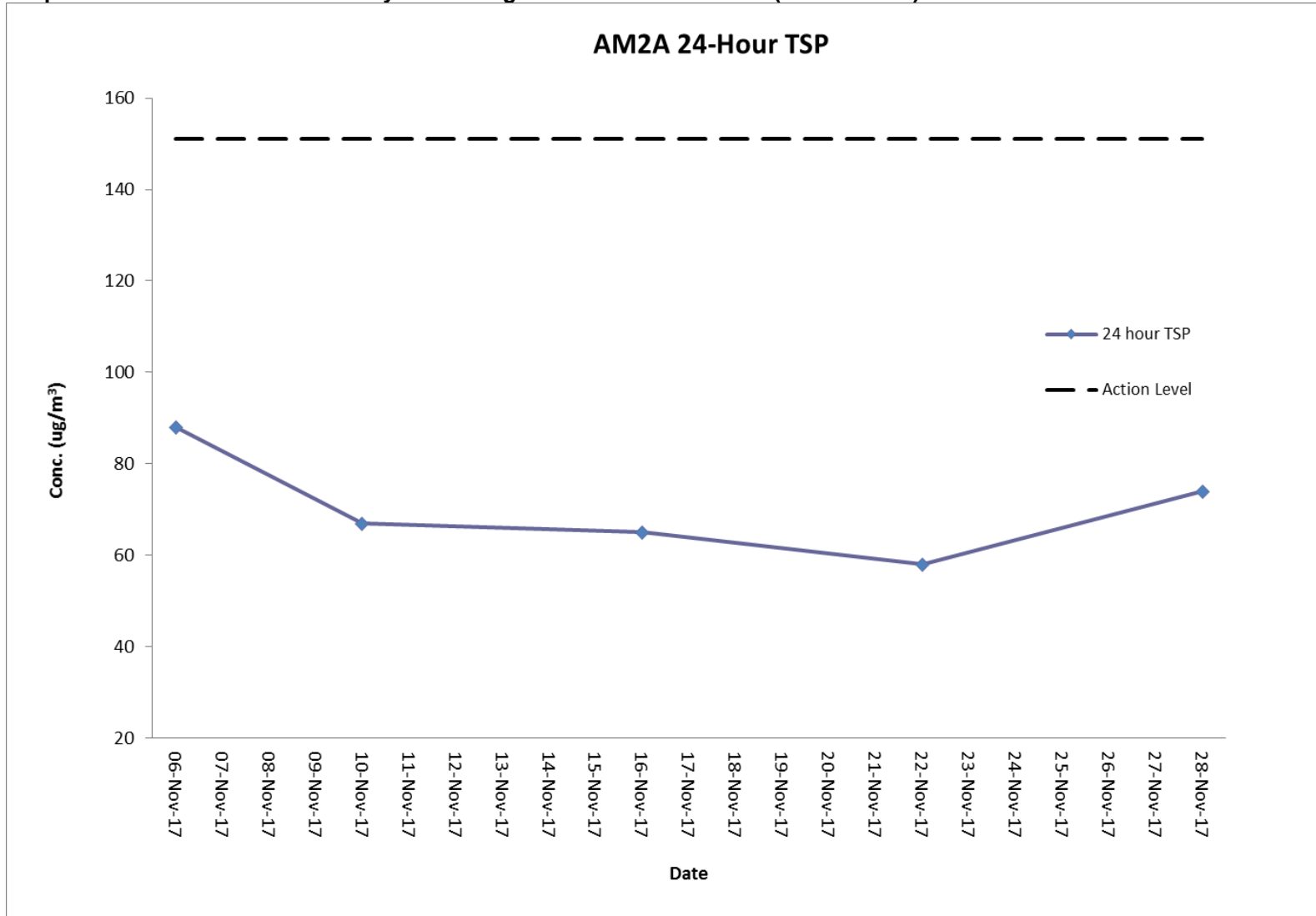
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)



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

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m3/min)			Conc. (µg/m3)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
06-Nov-17	10:47	07-Nov-17	10:47	2.6294	2.7881	17447.59	17471.59	24	1.25	1.25	1.25	88	Sunny	151.1	260
10-Nov-17	08:02	11-Nov-17	08:02	2.6328	2.7542	17471.59	17495.59	24	1.25	1.25	1.25	67	Sunny	151.1	260
16-Nov-17	11:00	17-Nov-17	11:00	2.6149	2.7326	17495.59	17519.59	24	1.25	1.25	1.25	65	Sunny	151.1	260
22-Nov-17	10:50	23-Nov-17	10:50	2.6317	2.7355	17519.59	17543.59	24	1.25	1.25	1.25	58	Cloudy	151.1	260
28-Nov-17	10:48	29-Nov-17	10:48	2.6661	2.7998	17543.59	17567.59	24	1.25	1.25	1.25	74	Sunny	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-Nov-17	14:00	69.0	65.1	70
06-Nov-17	14:05	68.7	64.1	
06-Nov-17	14:10	69.4	65.0	
06-Nov-17	14:15	69.7	65.2	
06-Nov-17	14:20	68.4	64.1	
06-Nov-17	14:25	68.7	64.7	
16-Nov-17	14:00	69.1	64.9	70
16-Nov-17	14:05	68.7	63.2	
16-Nov-17	14:10	69.4	64.7	
16-Nov-17	14:15	70.0	65.0	
16-Nov-17	14:20	68.7	64.9	
16-Nov-17	14:25	68.9	64.7	
22-Nov-17	14:00	70.1	66.2	71
22-Nov-17	14:05	69.5	65.7	
22-Nov-17	14:10	70.7	66.4	
22-Nov-17	14:15	69.9	65.9	
22-Nov-17	14:20	71.4	67.1	
22-Nov-17	14:25	70.5	66.3	
28-Nov-17	14:00	68.2	63.9	69
28-Nov-17	14:05	68.0	62.7	
28-Nov-17	14:10	68.4	64.1	
28-Nov-17	14:15	67.9	63.2	
28-Nov-17	14:20	68.8	64.5	
28-Nov-17	14:25	69.7	65.7	

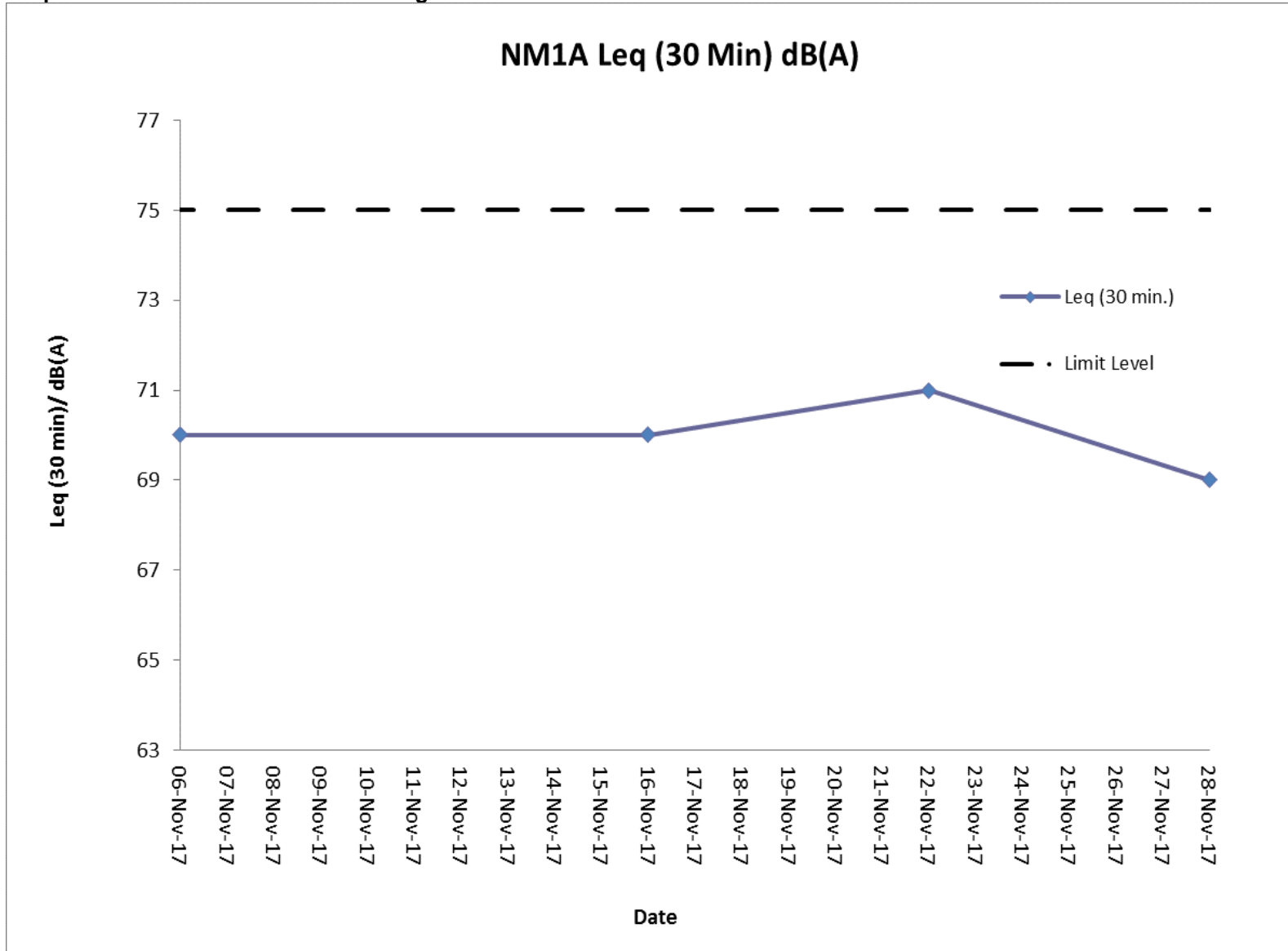
Remarks:

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



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

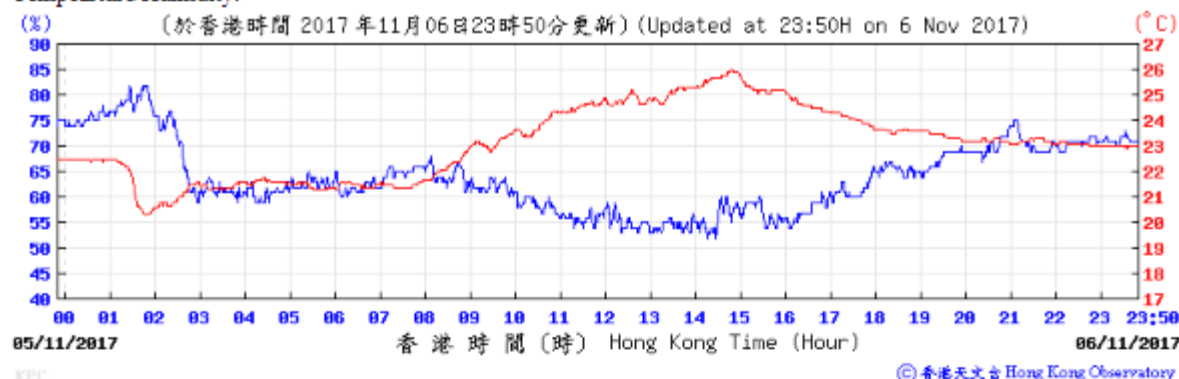
Graphical Presentation Noise Monitoring Result at Station NM1A



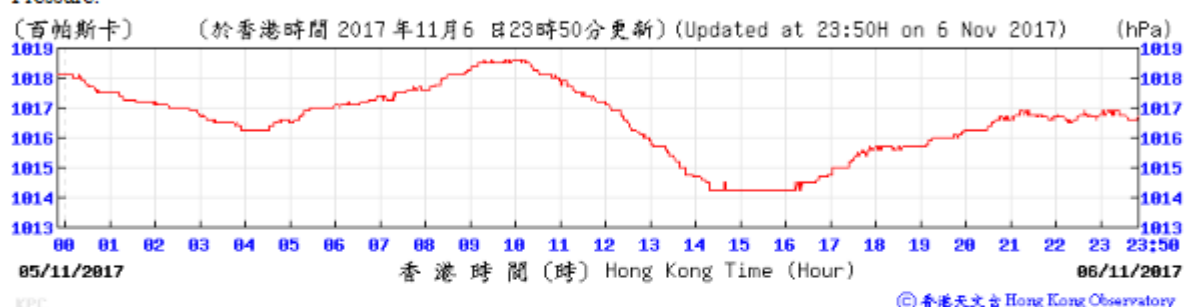
H. Meteorological Data Extracted from Hong Kong Observatory

Extract of Meteorological Observations for King's Park Automatic Weather Station, November 2017

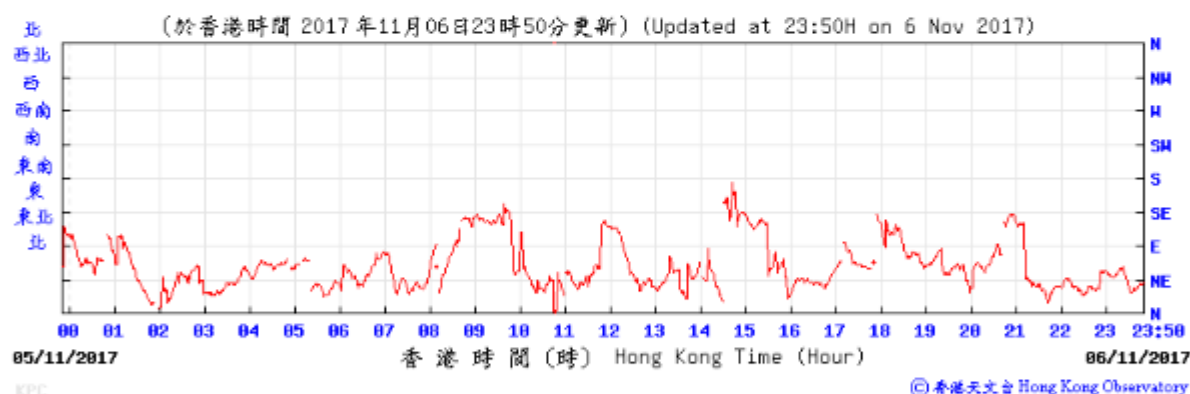
Temperature/Humidity:



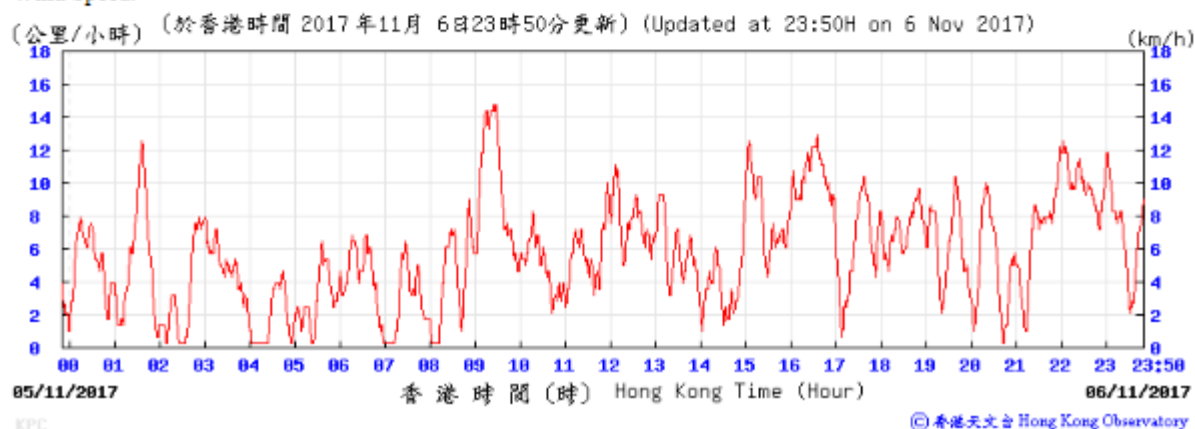
Pressure:



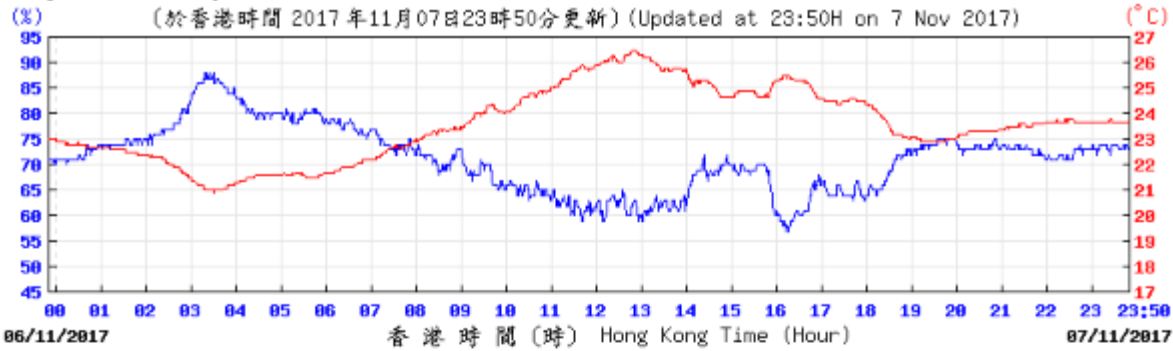
Wind Direction:



Wind Speed:

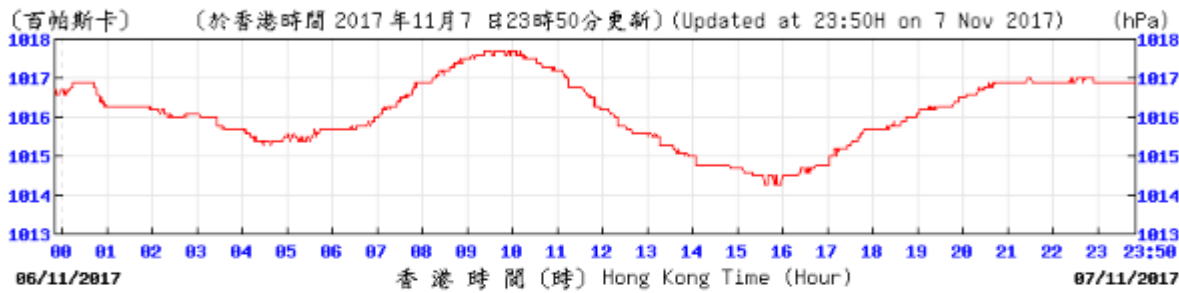


Temperature/Humidity:



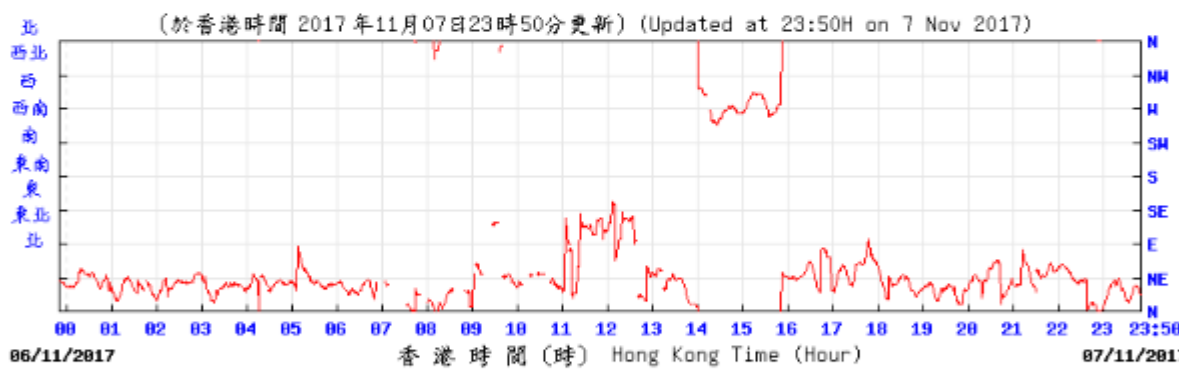
© 香港天文台 Hong Kong Observatory

Pressure:



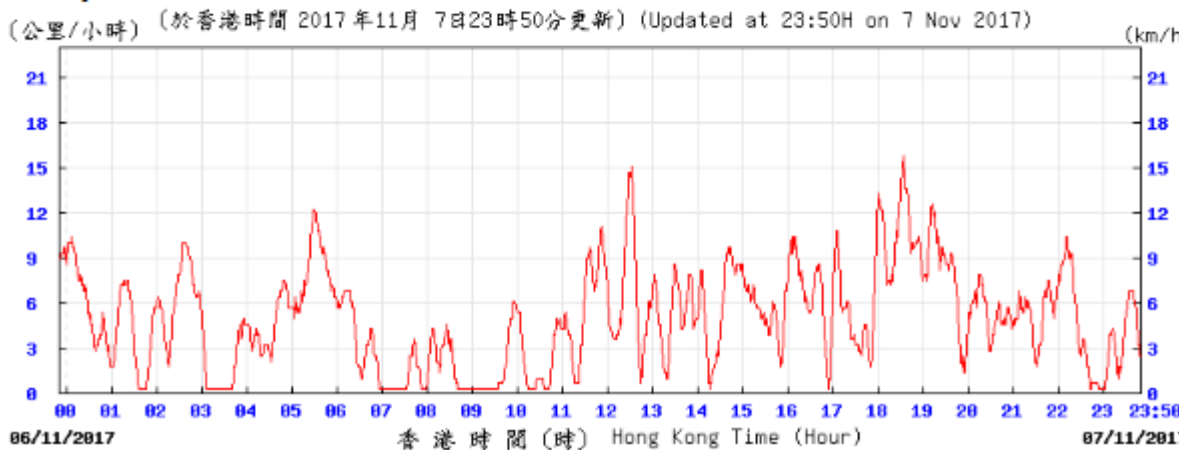
© 香港天文台 Hong Kong Observatory

Wind Direction:



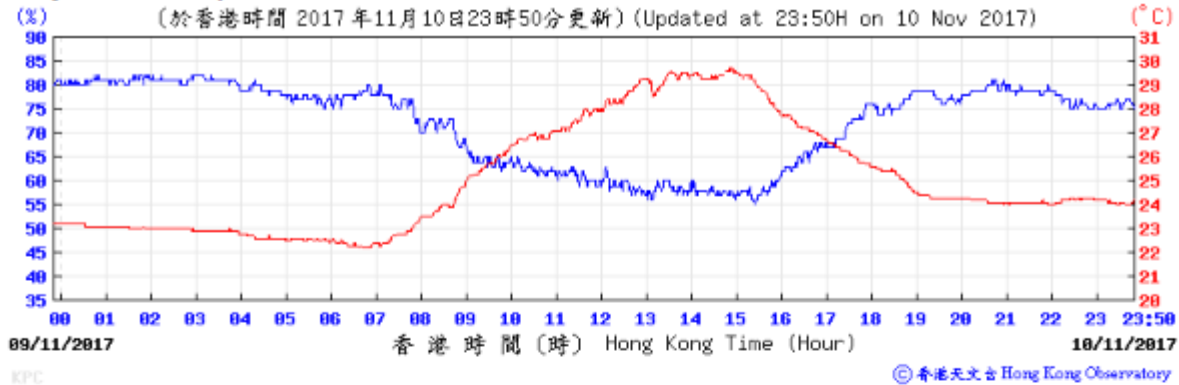
© 香港天文台 Hong Kong Observatory

Wind Speed:

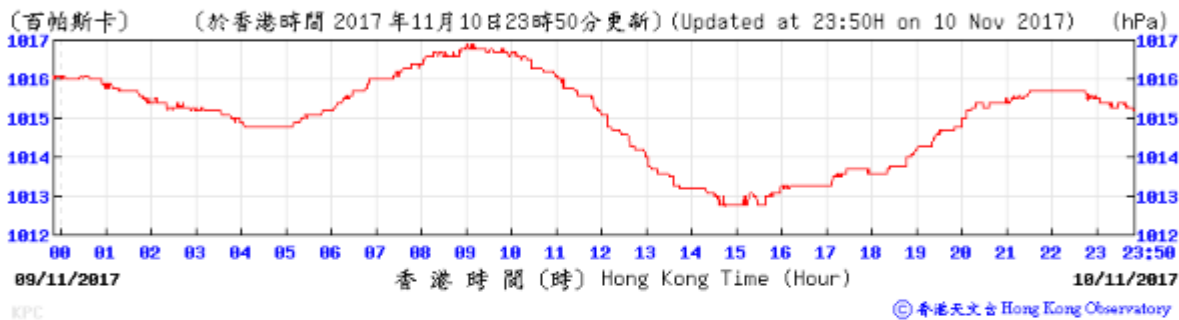


© 香港天文台 Hong Kong Observatory

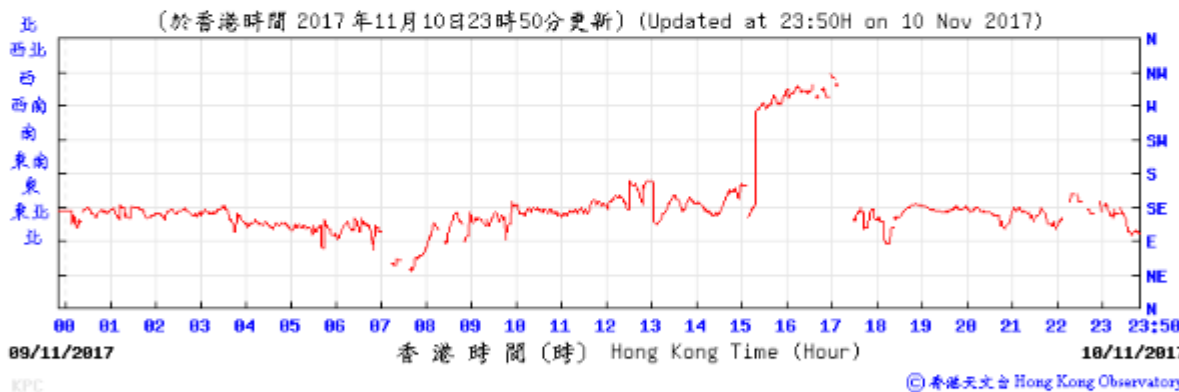
Temperature/Humidity:



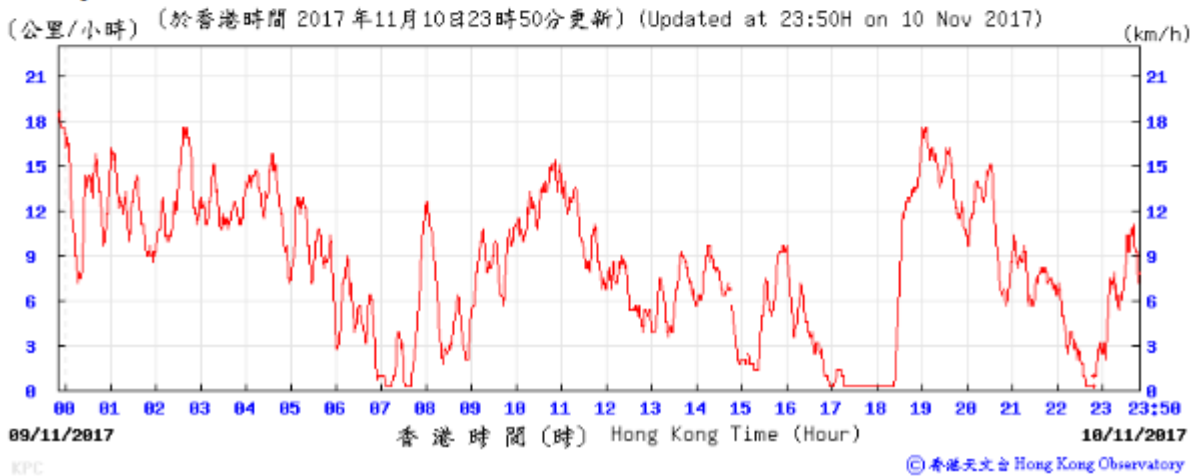
Pressure:



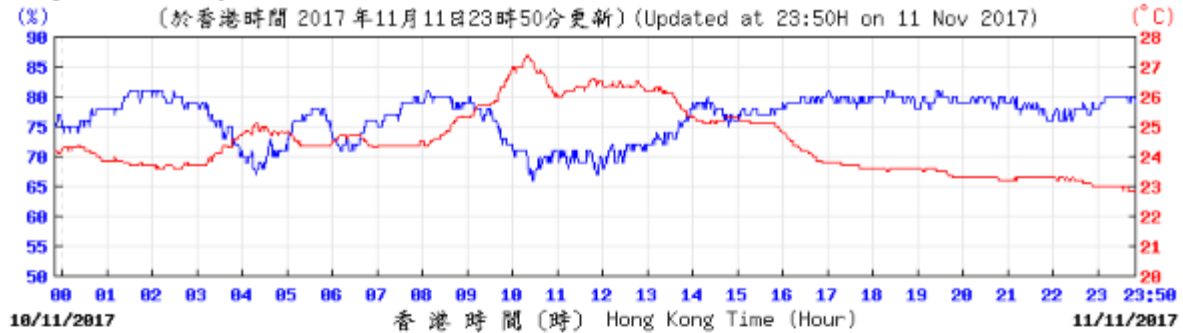
Wind Direction:



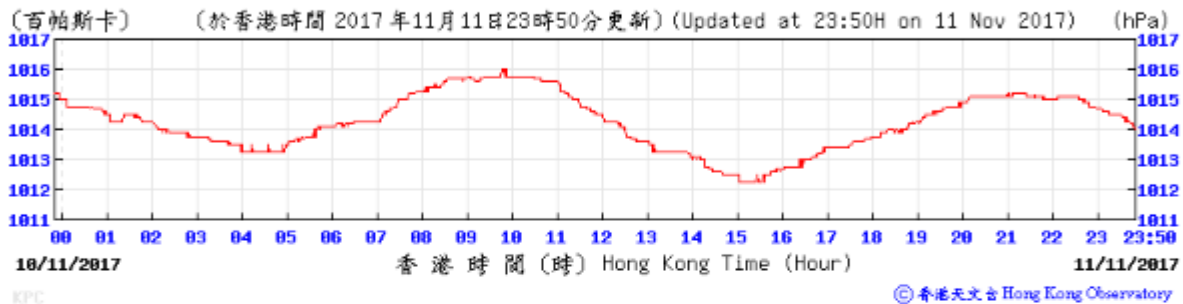
Wind Speed:



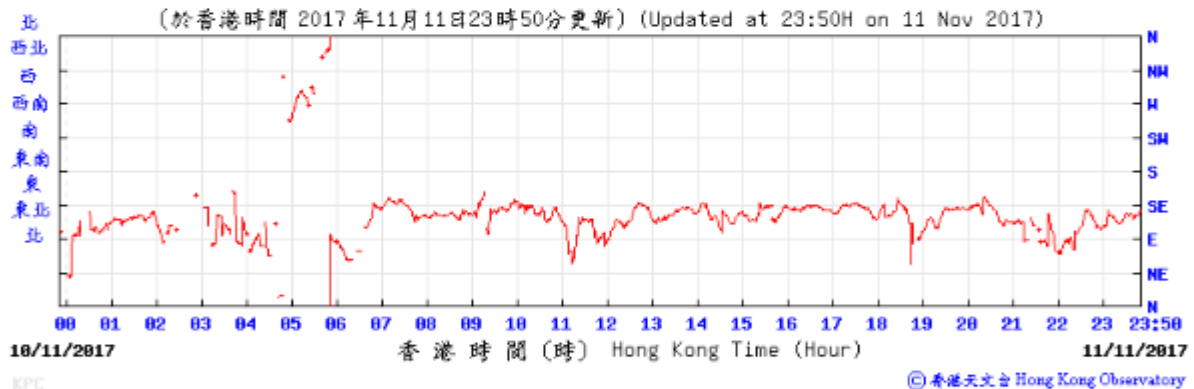
Temperature Humidity:



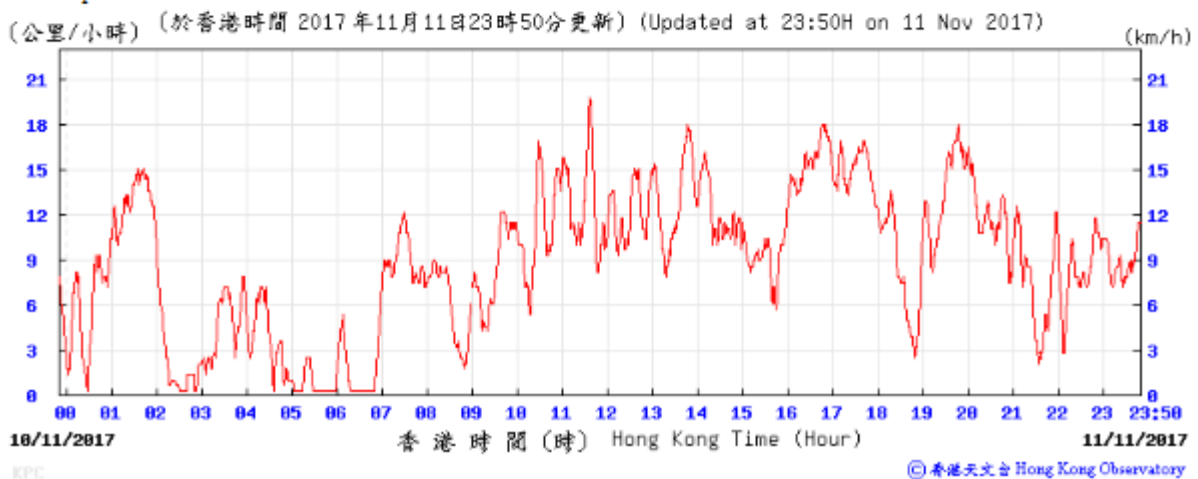
Pressure:



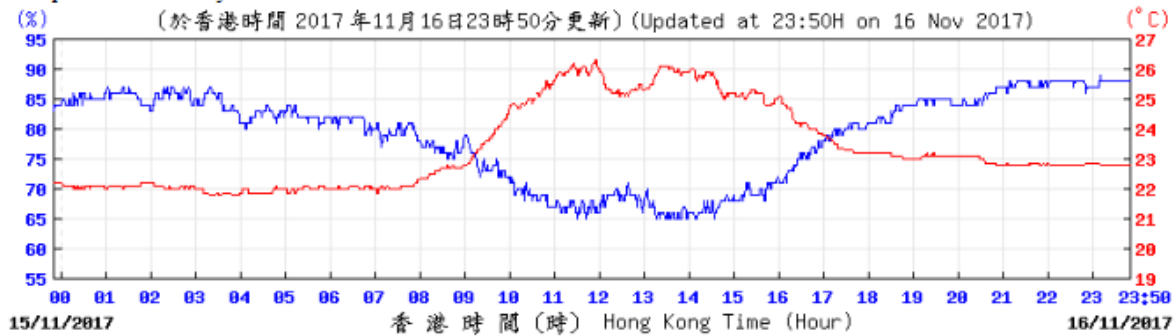
Wind Direction:



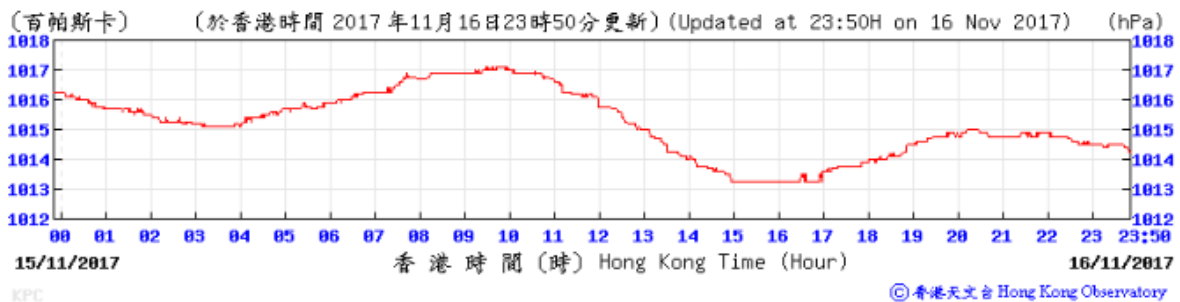
Wind Speed:



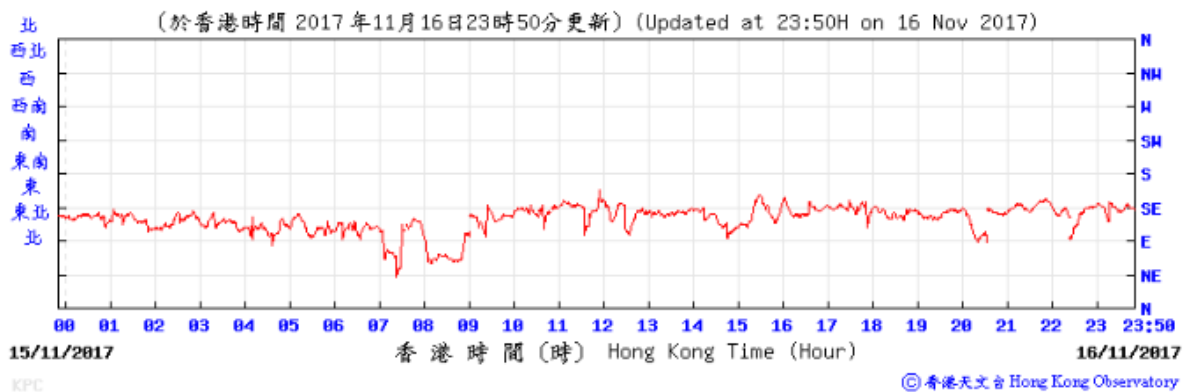
Temperature/Humidity:



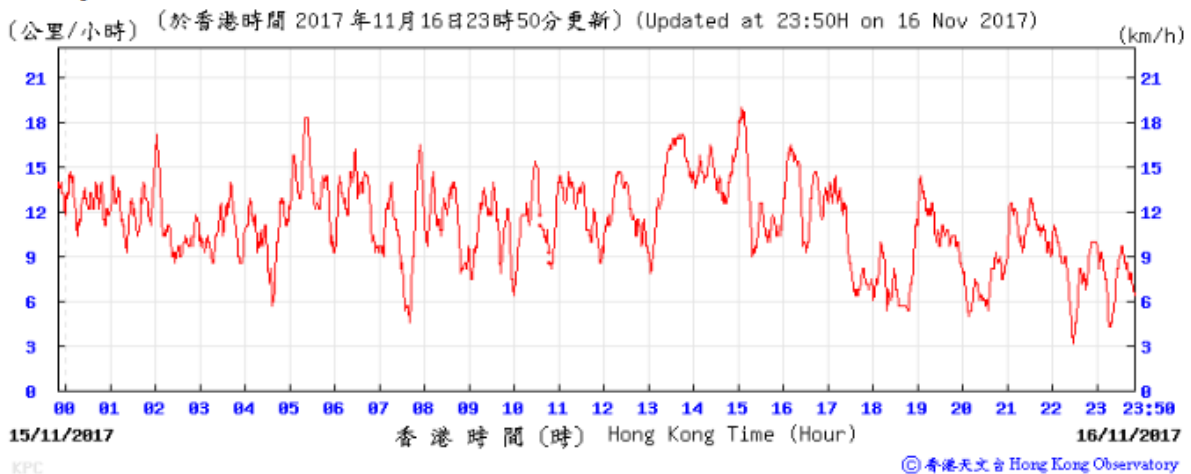
Pressure:



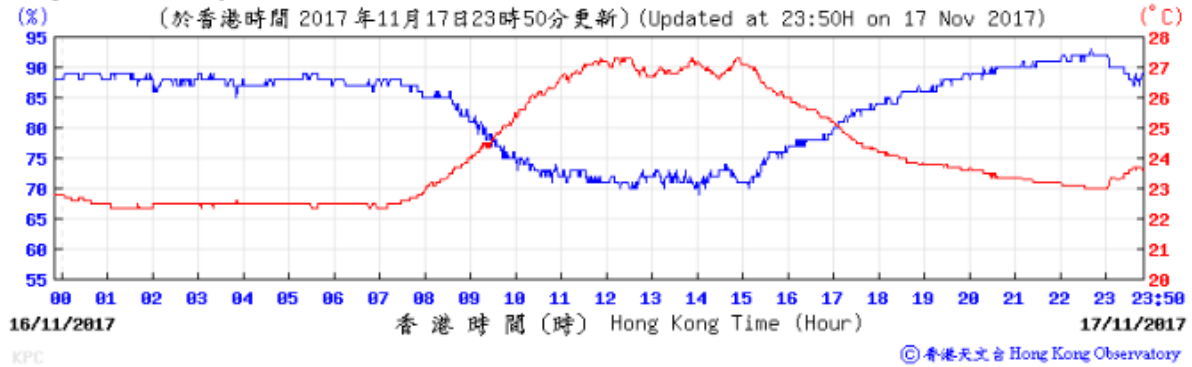
Wind Direction:



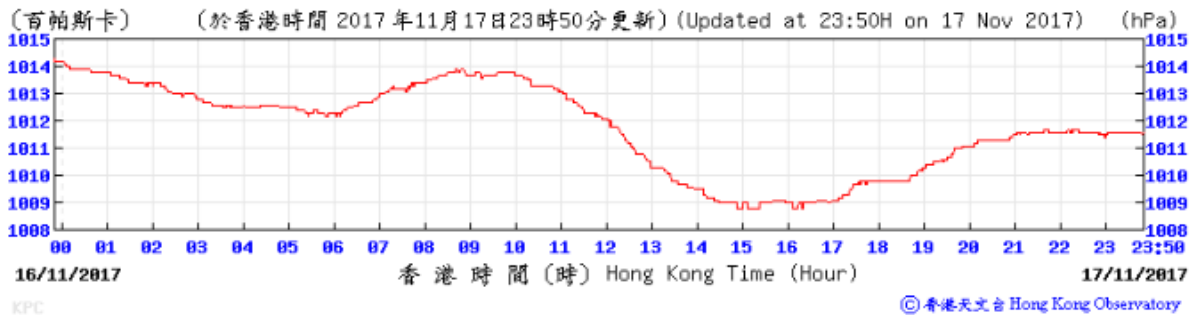
Wind Speed:



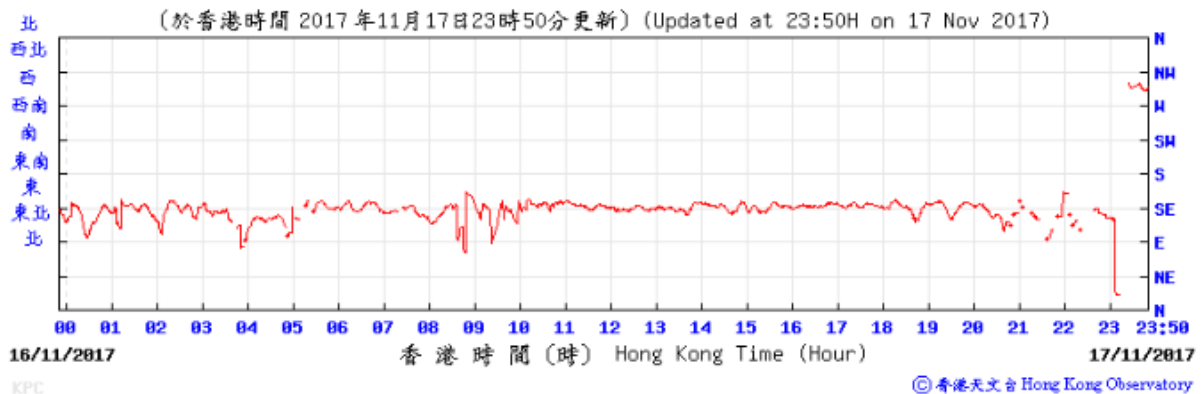
Temperature/Humidity:



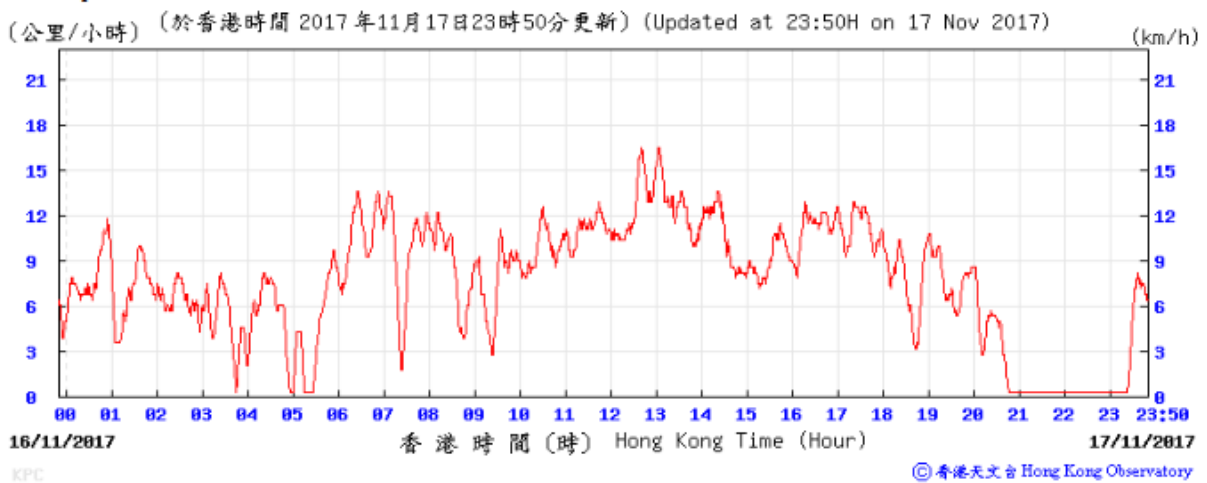
Pressure:



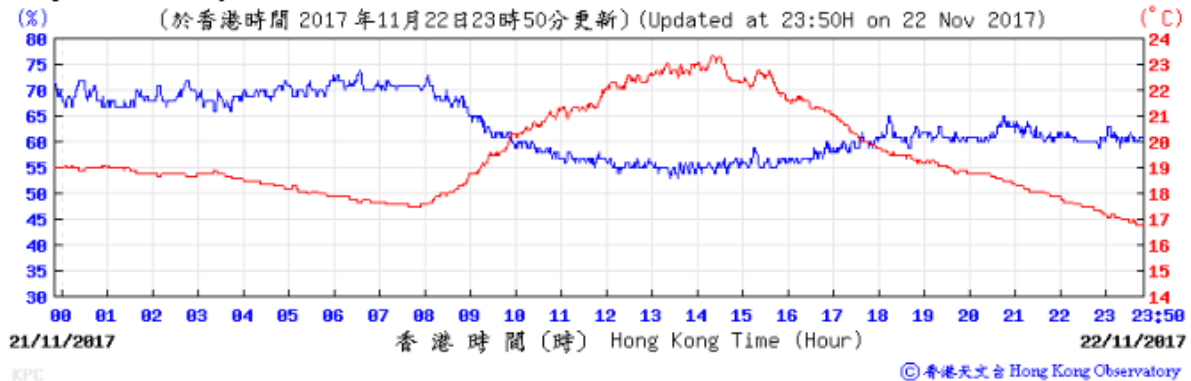
Wind Direction:



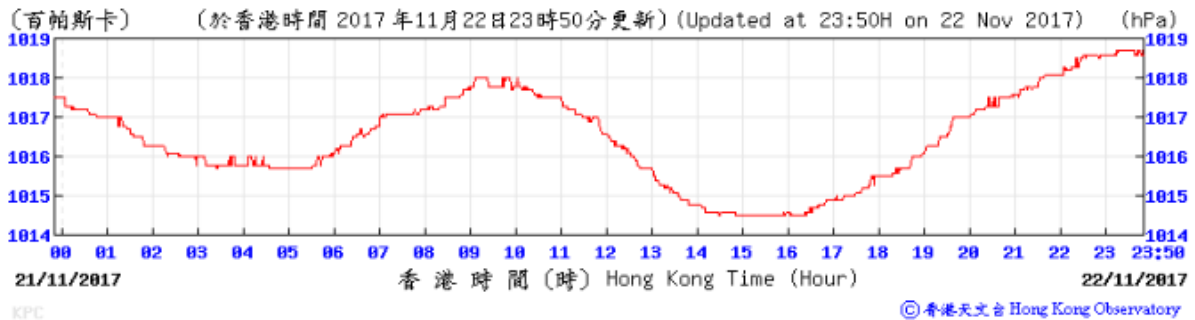
Wind Speed:



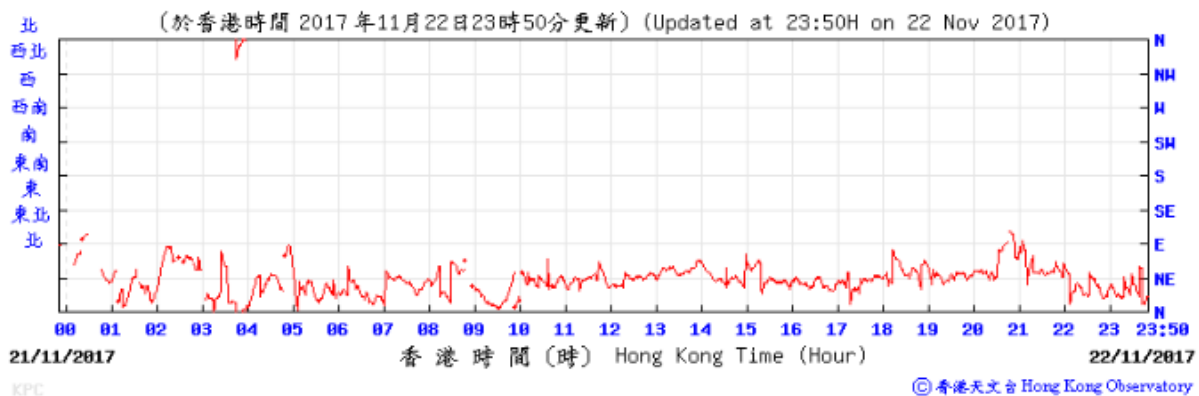
Temperature/Humidity:



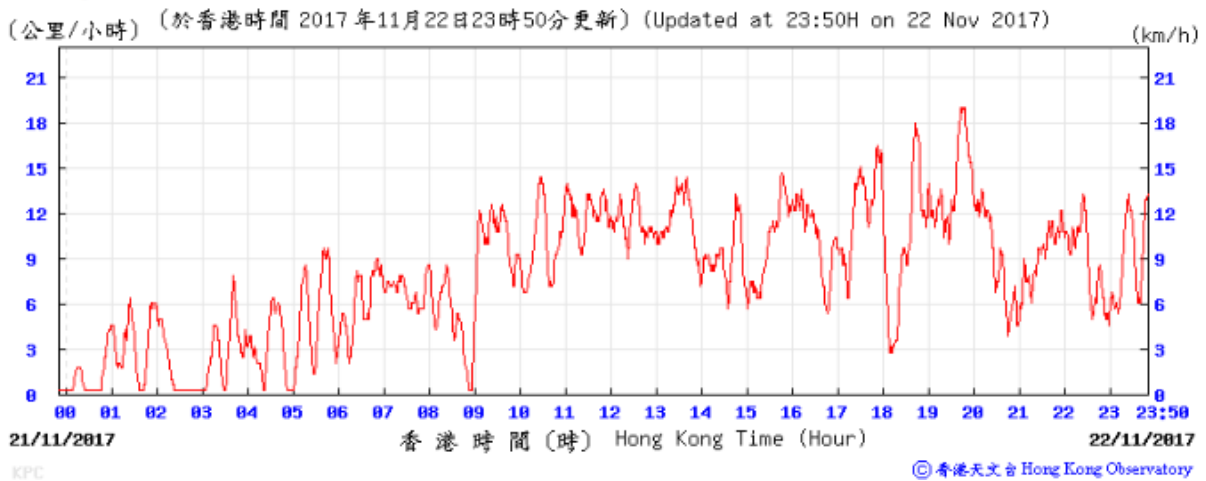
Pressure:



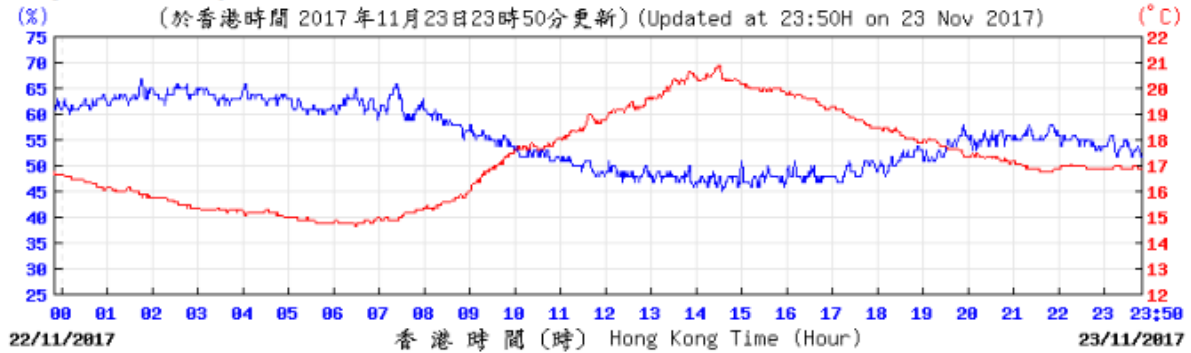
Wind Direction:



Wind Speed:



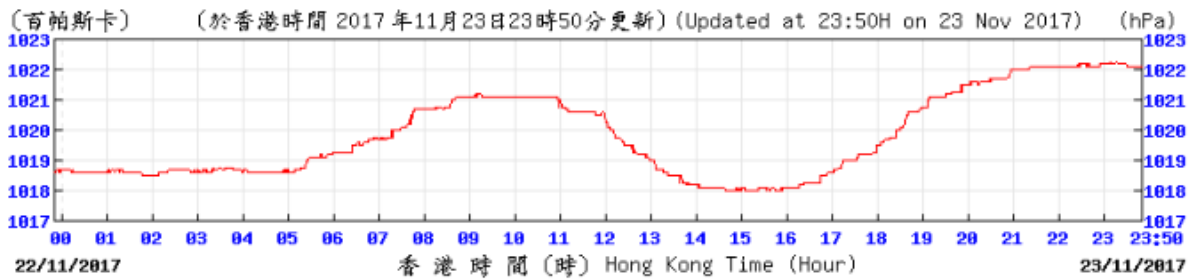
Temperature/Humidity:



KPC

© 香港天文台 Hong Kong Observatory

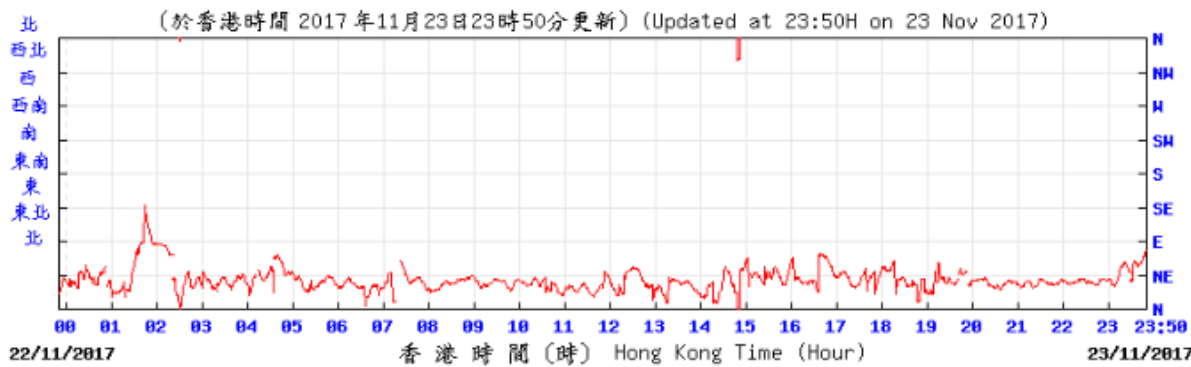
Pressure:



KPC

© 香港天文台 Hong Kong Observatory

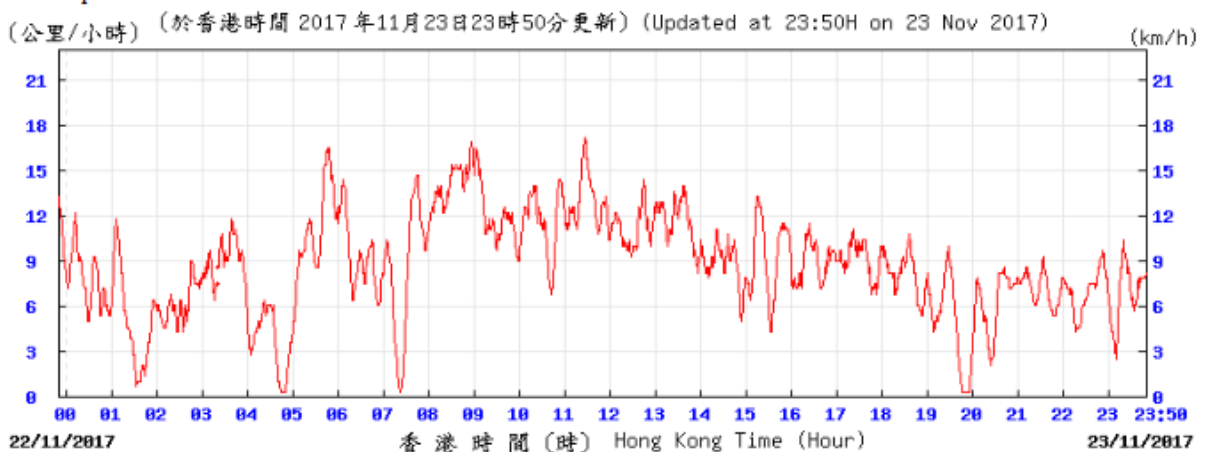
Wind Direction:



KPC

© 香港天文台 Hong Kong Observatory

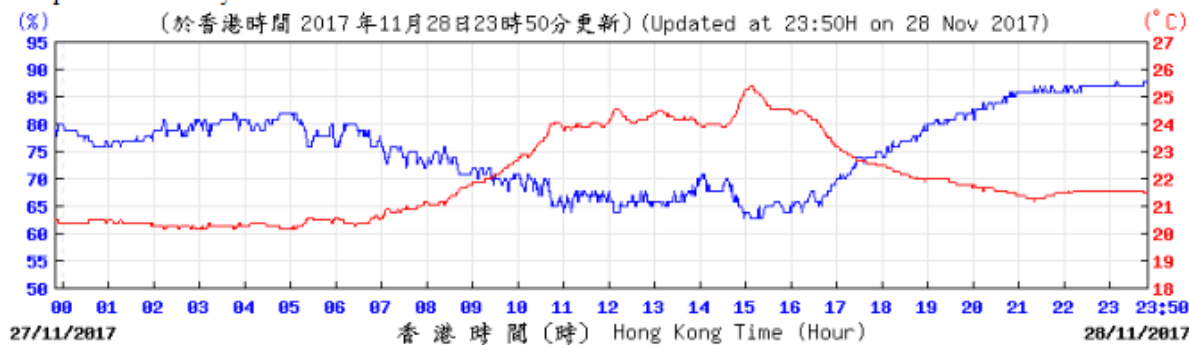
Wind Speed:



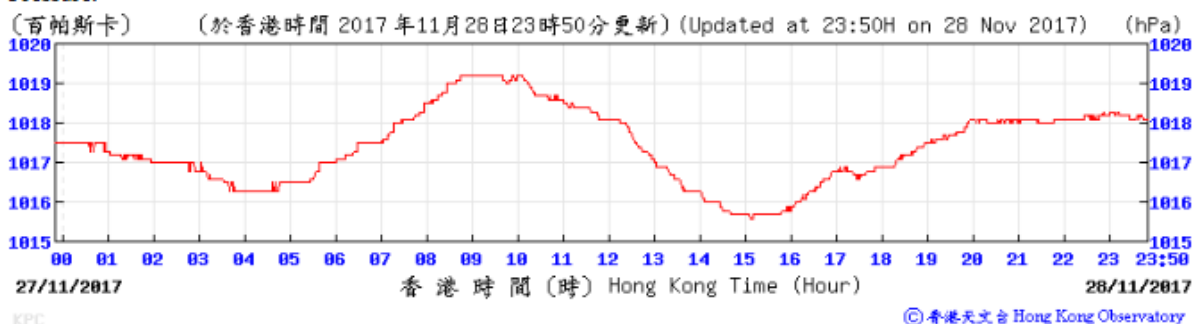
KPC

© 香港天文台 Hong Kong Observatory

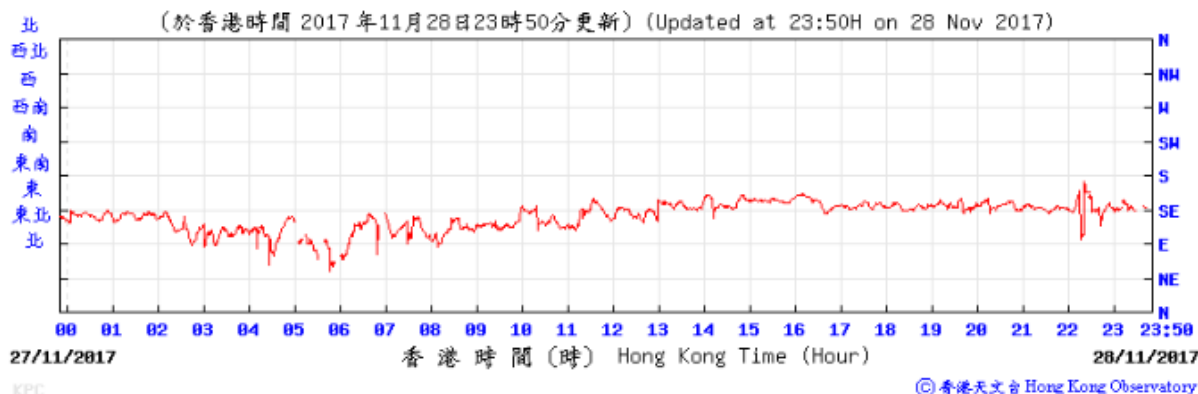
Temperature/Humidity:



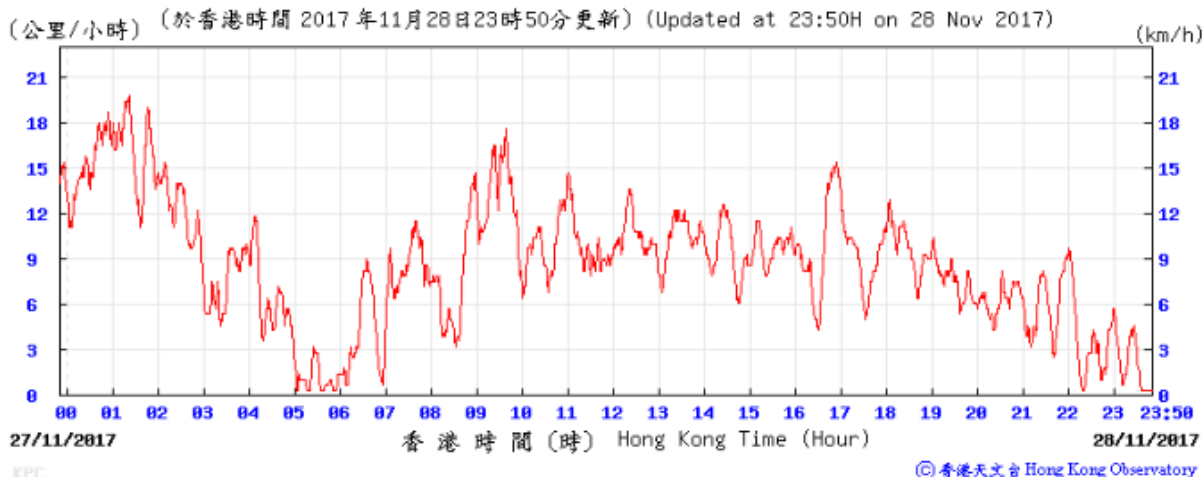
Pressure:



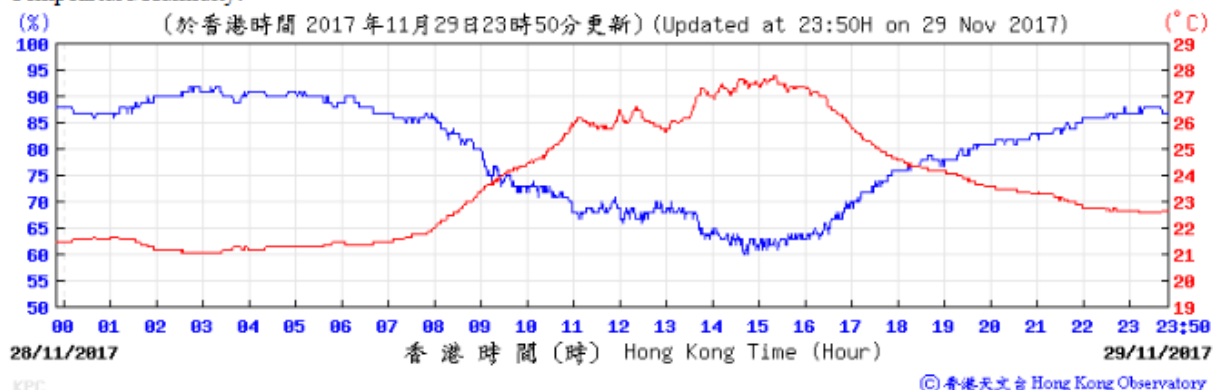
Wind Direction:



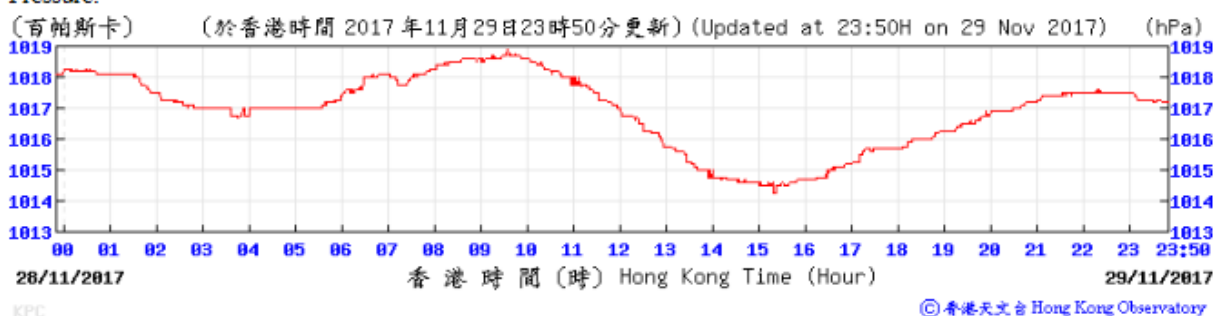
Wind Speed:



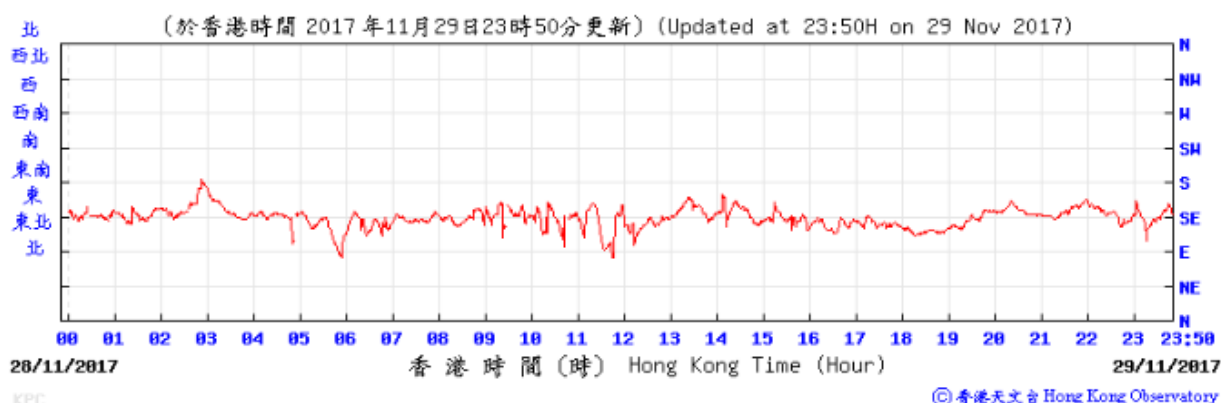
Temperature/Humidity:



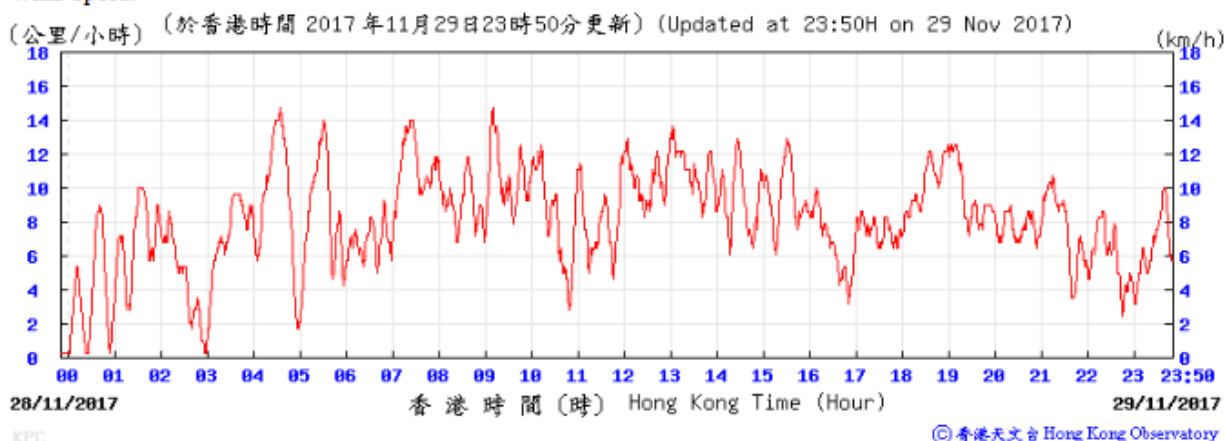
Pressure:



Wind Direction:



Wind Speed:



I. Waste Flow table

M+ Museum

Table I-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 ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2015													
Nov	46607.4	0.0	0.0	8240.0	38367.4	0.0	0.0	76.2	0.0	0.0	0.0	0.0	67.6
Dec	29652.9	0.0	0.0	29621.4	31.5	0.0	0.0	26.3	0.0	0.0	0.0	1.0	66.0
Sub-total (2015)	76260.3	0.0	0.0	37861.4	38398.9	0.0	0.0	102.5	0.0	0.0	0.0	1.0	133.6
2016													
Jan	21077.4	0.0	6352.0	14576.0	149.4	0.0	0.0	18.8	0.0	0.0	0.0	0.0	23.2
Feb	7626.2	0.0	3424.0	4048.0	154.2	0.0	0.0	59.8	0.0	0.0	0.0	0.0	20.5
Mar	10442.5	0.0	1600.0	7888.0	954.5	0.0	0.0	29.7	0.0	0.0	0.0	0.0	46.3
Apr	30413.2	0.0	6352.0	23408.0	653.2	0.0	0.0	25.8	0.1	0.0	27.8	0.0	34.5
May	24083.5	0.0	112.0	23216.0	755.5	0.0	0.0	61.5	0.4	0.0	33.6	0.0	62.3
Jun	7880.1	0.0	4736.0	2384.0	760.1	0.0	0.0	106.6	0.1	0.0	14.6	0.0	52.8
Jul	5893.1	0.0	2656.0	2240.0	997.1	0.0	0.0	77.6	0.0	0.0	33.6	0.0	83.1
Aug	13709.6	0.0	0.0	12432.0	1277.6	0.0	0.0	111.3	0.2	0.0	38.5	0.0	104.9
Sep	6702.0	0.0	0.0	5648.0	1000.1	53.9	0.0	104.2	0.0	0.0	45.5	0.2	107.9
Oct	2103.6	0.0	0.0	496.0	1595.4	12.2	0.0	83.0	0.4	0.0	73.5	0.0	108.2
Nov	3302.7	0.0	0.0	2384.0	855.5	63.2	0.0	88.4	0.6	0.0	63.0	0.0	129.1
Dec	899.8	0.0	0.0	736.0	126.8	37.0	0.0	48.3	0.6	0.0	70.0	0.0	89.0
Sub-total (2016)	134133.5	0.0	25232.0	99456.0	9279.3	166.3	0.0	814.9	2.3	0.0	400.1	0.2	861.8
2017													
Jan	675.2	0.0	0.0	432.0	237.9	5.3	0.0	79.5	1.0	0.0	70.0	0.0	79.7
Feb	927.7	0.0	0.0	768.0	125.6	34.0	0.0	70.5	0.6	0.0	84.0	0.0	81.4
Mar	1856.7	0.0	0.0	1280.0	466.9	109.8	0.0	62.8	0.4	0.0	98.0	0.0	148.5
Apr	642.4	0.0	0.0	160.0	324.9	157.5	0.0	87.5	0.7	0.0	175.0	0.0	102.5
May	1118.2	0.0	0.0	528.0	416.4	173.7	0.0	118.3	0.0	0.0	280.0	0.0	139.0
June	650.0	0.0	0.0	0.0	451.6	198.4	0.0	199.7	1.4	0.0	350.0	0.0	98.7
Jul	1762.0	0.0	0.0	0.0	1466.6	295.4	0.0	36.9	1.2	0.0	244.0	0.0	164.2
Aug	1231.5	0.0	0.0	0.0	867.5	364.0	0.0	50.9	0.9	0.0	59.0	0.0	186.9
Sep	1681.7	0.0	0.0	0.0	1342.0	339.7	0.0	52.3	0.7	0.0	77.0	0.0	265.3
Oct	483.6	0.0	0.0	0.0	242.5	241.1	0.0	374.8	0.6	0.0	24.1	0.0	128.5
Nov	822.8	0.0	0.0	0.0	344.5	478.3	0.0	948.5	0.7	0.0	100.0	0.2	219.1
Sub-total (2017)	11851.7	0.0	0.0	3168.0	6286.4	2397.3	0.0	2081.7	8.2	0.0	1561.1	0.2	1613.7
Total	222245.5	0.0	25232.0	140485.4	53964.6	2563.6	0.0	2999.1	10.5	0.0	1961.2	1.4	2609.1

Note:

-22.41 ton, 65.91 ton and 256.19 ton of inert C&D material were disposed of as public fill to Chai Wan Public Fill Barging Point, Tuen Mun Area 38 and Tseung Kwan O Area 137 Public Fill respectively in the reporting month.

-For inert C&D materials reused in other projects, the projects refer to (1) Green Valley; (2) Advance Works for Shek Wu Hui Sewage Treatment Works (3) Design and Construction of Kai Tak Cable Tunnel, CLP; (4) MTR Contract 1002 Whampoa Station and Overrun Tunnel; (5) CEDD Tuen Mun Area 54 Contract No. CV/2015/03; (6) Union Construction Ltd.'s site; (7) Foundation Works at Marriot Hotel at Ocean Park.

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

Lyric Theatre Complex

Table I-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)
2016													
Mar	2702.1	0.0	0.0	0.0	2702.1	0.0	0.0	4.5	0.1	0.0	0.0	0.0	30.6
Apr	8631.5	0.0	0.0	0.0	8631.5	0.0	0.0	16.0	0.0	0.0	0.0	0.0	19.2
May	12487.8	0.0	0.0	0.0	12487.8	0.0	0.0	34.0	0.0	0.0	0.0	0.7	60.5
Jun	8600.8	0.0	0.0	0.0	8600.8	0.0	0.0	31.4	0.2	0.0	0.0	0.5	13.5
Jul	12624.2	0.0	0.0	0.0	12624.2	0.0	0.0	19.6	0.0	0.0	0.0	2.0	9.9
Aug	14419.9	0.0	0.0	0.0	14419.9	0.0	0.0	43.9	0.0	0.0	0.0	0.0	11.1
Sep	13671.3	0.0	0.0	0.0	13671.3	0.0	0.0	59.8	0.0	0.0	0.0	1.6	12.4
Oct	13088.9	0.0	0.0	0.0	13088.9	0.0	0.0	36.9	0.2	1.5	0.0	0.0	15.2
Nov	12424.7	0.0	0.0	0.0	12424.7	0.0	0.0	74.7	0.0	0.0	0.0	1.4	10.2
Dec	12487.6	0.0	0.0	0.0	12487.6	0.0	0.0	13.9	0.0	0.0	0.0	1.3	9.0
Sub-total (2016)	111138.8	0.0	0.0	0.0	111138.8	0.0	0.0	334.5	0.4	1.5	0.0	7.6	191.6
2017													
Jan	9607.8	0.0	0.0	0.0	9607.8	0.0	0.0	29.5	0.0	0.0	0.0	0.0	7.3
Feb	9108.2	0.0	0.0	0.0	9108.2	0.0	0.0	50.2	0.2	0.0	0.0	0.7	9.8
Mar	11361.7	0.0	0.0	0.0	11361.7	0.0	0.0	16.1	0.0	0.0	0.0	1.4	8.5
Apr	2591.5	0.0	0.0	0.0	2591.5	0.0	0.0	35.7	0.0	0.0	0.0	0.0	4.7
May	2579.3	0.0	0.0	99.0	2480.3	0.0	0.0	20.9	0.1	0.0	0.0	0.5	10.0
Jun	476.0	0.0	0.0	341.0	129.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	7.6
Jul	3419.0	0.0	0.0	804.0	2615.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8
Aug	3730.9	0.0	0.0	1377.5	2353.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
Sep	2108.2	0.0	0.0	1133.5	974.7	0.0	0.0	34.6	0.2	0.0	0.0	0.0	10.8
Oct	9159.0	0.0	0.0	7868.0	1291.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	9.3
Nov	5095.4	0.0	0.0	4352.0	725.2	18.1	0.0	0.0	0.0	0.0	0.0	0.0	38.8
Sub-total (2017)	59236.9	0.0	0.0	15975.0	43238.5	23.4	0.0	187.1	0.5	0.0	0.0	3.4	128.9
Total	170375.7	0.0	0.0	15975.0	154377.3	23.4	0.0	521.5	0.9	1.5	0.0	11.0	320.5

Note:

-539.91 and 185.33 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 month.

J. Environmental Mitigation Measures – Implementation Status

Table J-1: Environmental Mitigation Measures Implementation Status

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

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	so as to keep the dusty material wet.		
	<i>Debris Handling</i>		
	<ul style="list-style-type: none"> Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides. 	✓	✓
	<ul style="list-style-type: none"> Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped. 	✓	✓
	<i>Transport of Dusty Materials</i>		
	<ul style="list-style-type: none"> Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards. 	✓	✓
	<i>Wheel washing</i>		
	<ul style="list-style-type: none"> Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels. 	✓	✓
	<i>Use of vehicles</i>		
	<ul style="list-style-type: none"> The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site. 	✓	✓
	<ul style="list-style-type: none"> Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels. 	✓	✓
	<ul style="list-style-type: none"> Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle. 	✓	✓
	<i>Site hoarding</i>		
	<ul style="list-style-type: none"> Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit. 	✓	✓
2.1 & 10.3.1	<p>Best Practicable Means for Cement Works (Concrete Batching Plant)</p> <p>The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant) BPM 3/2(93) should be followed and implemented to further reduce the construction dust impacts of the Project. These best practices include:</p> <p>Exhaust from Dust Arrestment Plant</p>		

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	<ul style="list-style-type: none"> Wherever possible the final discharge point from particulate matter arrestment plant, where is not necessary to achieve dispersion from residual pollutants, should be at low level to minimise the effect on the local community in the case of abnormal emissions and to facilitate maintenance and inspection 	✓	✓
	Emission Limits		
	<ul style="list-style-type: none"> All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke 	✓	✓
	Engineering Design/Technical Requirements		
	<ul style="list-style-type: none"> As a general guidance, the loading, unloading, handling and storage of fuel, raw materials, products, wastes or by-products should be carried out in a manner so as to prevent the release of visible dust and/or other noxious or offensive emissions 	✓	✓
-	<p>Non-Road Mobile Machinery (NRMM):</p> <p>All NRMMs operating on-site which are subject to emission control of Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation are approved/exempted (as the case may be) and affixed with the requisite approval/exemption labels.</p>	✓	Obs
Noise Impact (Construction)			
3.1 & 10.4.1	<p>Good Site Practice</p> <p>Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:</p> <ul style="list-style-type: none"> only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works; machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum; plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs; mobile plant should be sited as far away from NSRs as possible; and material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities. 	Obs	✓
		✓	✓
		✓	✓
		✓	✓
		✓	✓
3.1 & 10.4.1	<p>Adoption of Quieter PME</p> <p>The recommended quieter PME adopted in the assessment were taken from the EPD's QPME Inventory and "Sound Power Levels of Other Commonly Used PME" are presented in Table 4.26 in the EIA report. It should be noted that the silenced PME selected for assessment can be found in Hong Kong.</p>	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
3.1 & 10.4.1	Use of Movable Noise Barriers Movable noise barriers can be very effective in screening noise from particular items of plant when constructing the Project. Noise barriers located along the active works area close to the noise generating component of a PME could produce at least 10 dB(A) screening for stationary plant and 5 dB(A) for mobile plant provided the direct line of sight between the PME and the NSRs is blocked.	N/A	✓
3.1 & 10.4.1	Use of Noise Enclosure/ Acoustic Shed The use of noise enclosure or acoustic shed is to cover stationary PME such as air compressor and concrete pump. With the adoption of the noise enclosure, the PME could be completely screened, and noise reduction of 15 dB(A) can be achieved according to the EIAO Guidance Note No.9/2010.	N/A	N/A
3.1 & 10.4.1	Use of Noise Insulating Fabric Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, pilling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR-127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.	✓	✓
3.1 & 10.4.1	Scheduling of Construction Works outside School Examination Periods During construction phase, the contractor should liaise with the educational institutions (including NSRs LCS and CRGPS) to obtain the examination schedule and avoid the noisy construction activities during school examination periods.	N/A	N/A
Water Quality Impact (Construction)			
4.1 & 10.5.1	Construction site runoff and drainage 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"> At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the WKCDA's Contractor prior to the commencement of construction; Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the WKCDA's Contractor prior to the commencement of construction. All drainage facilities and erosion and sediment control structures should be regularly inspected and 	✓	✓
		Rem	✓
		Obs	Rem

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	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.		
	<ul style="list-style-type: none"> 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. 	✓	✓
	<ul style="list-style-type: none"> 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. 	✓	✓
	<ul style="list-style-type: none"> 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. 	✓	✓
	<ul style="list-style-type: none"> Manholes (including newly constructed ones) should be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and stormwater runoff being directed into foul sewers. 	✓	✓
	<ul style="list-style-type: none"> Precautions should be taken at any time of the year when rainstorms are likely. Actions should be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC Note PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes. 	✓	✓
	<ul style="list-style-type: none"> Bentonite slurries used in piling or slurry walling should be reconditioned and reused wherever practicable. Temporary enclosed storage locations should be provided on-site for any unused bentonite that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC Note PN 1/94 should be adhered to in the handling and disposal of bentonite slurries. 	N/A	N/A
	Barging facilities and activities		
	Recommendations for good site practices during operation of the proposed barging point include:		
	<ul style="list-style-type: none"> All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; 	N/A	N/A
	<ul style="list-style-type: none"> Loading of barges and hoppers should be controlled to prevent splashing of material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of 	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	materials or polluted water during loading or transportation;		
	<ul style="list-style-type: none"> All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; and Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site. 	N/A	N/A
		N/A	N/A
4.1 & 10.5.1	Sewage effluent from construction workforce Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	✓	✓
4.1 & 10.5.1	General construction activities <ul style="list-style-type: none"> Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used. Oils and fuels should only be stored in designated areas which have pollution prevention facilities. To prevent spillage of fuels and solvents to any nearby storm water drain, all fuel tanks and storage areas should be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event. 	✓	✓
		✓	✓
Waste Management Implications (Construction)			
6.1 & 10.7.1	Good Site Practices Recommendations for good site practices during the construction activities include:		
	<ul style="list-style-type: none"> Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site Training of site personnel in proper waste management and chemical handling procedures Provision of sufficient waste disposal points and regular collection of waste Appropriate measures to minimise windblown litter and dust/odour during transportation of waste by either covering trucks or by transporting wastes in enclosed containers Provision of wheel washing facilities before the trucks leaving the works area so as to minimise dust introduction to public roads Well planned delivery programme for offsite disposal such that adverse environmental impact from transporting the inert or non-inert C&D materials is not anticipated 	✓ ✓ Obs ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓

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

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

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	<ul style="list-style-type: none"> The use of contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out; Vehicles containing any contaminated excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater; Truck bodies and tailgates should be sealed to stop any discharge; Only licensed waste haulers should be used to collect and transport contaminated material to treatment/disposal site and should be equipped with tracking system to avoid fly tipping; Speed control for trucks carrying contaminated materials should be exercised; Observe all relevant regulations in relation to waste handling, such as Waste Disposal Ordinance (Cap 354), Waste Disposal (Chemical Waste) (General) Regulation (Cap 354) and obtain all necessary permits where required; and Maintain records of waste generation and disposal quantities and disposal arrangements. 	N/A	N/A
Ecological Impact (Construction)			
No mitigation measure is required.			
Landscape and Visual Impact (Construction)			
Table 9.1 & 10.8 (CM1)	Trees should be retained in situ on site as far as possible. Should tree removal be unavoidable due to construction impacts, trees will be transplanted or felled with reference to the stated criteria in the Tree Removal Applications to be submitted to relevant government departments for approval in accordance to ETWB TCW No. 29/2004 and 3/2006.	N/A	N/A
Table 9.1 & 10.8 (CM2)	Compensatory tree planting shall be incorporated to the proposed project and maximize the new tree, shrubs and other vegetation planting to compensate tree felled and vegetation removed. Also, implementation of compensatory planting should be of a ratio not less than 1:1 in terms of quality and quantity within the site.	N/A	N/A
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
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
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
Table 9.1 & 10.8 (CM6)	Sensitive streetscape design should be incorporated along all new roads and streets.	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
Table 9.1 & 10.8 (CM7)	Structure, ornamental planting shall be provided along amenity strips to enhance the landscape quality.	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
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
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
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
Table 9.2 & 10.9 (MCP4)	Control of night time lighting	✓	✓
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 - Not Applicable

✓ - Implemented

Obs - Observed

Rem - Reminder

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

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

Table K-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 month	0	0	0
From 31 October 2015 to end of the reporting month	3	1	0

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

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of summons	Successful prosecutions
This reporting month	0	0	0
From 1 March 2016 to end of the reporting month	5	0	0