



Development at West Kowloon Cultural District

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

October 2017

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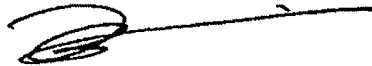
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This Monthly EM&A Report has been reviewed and certified by the Environmental Team Leader (ETL) and verified by the Independent Environmental Checker (IEC).

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12 Oct 2017

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12 Oct 2017

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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 September to 30 September 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 8, 14, 21 and 28 September 2017 for M+ Museum and 6, 13, 20 and 27 September 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:

- Construction of B2 Walls & Columns to B1 Slab;
- Construction of B1/F Columns & Walls to G/F Slab;
- Construction of G/F Columns & Walls to 1/F & 1M/F Slab;
- Construction of 1/F Columns & Walls to 2/F Slab and 2/F Columns & Walls to 3/F Slab;

- Construction of 3/F Columns & Walls to 4/F Slab and 7/F Columns & Walls to 8/F Slab;
- T5, T2, T1, T3 & T4 Mega Truss Construction & Removal of Falseworks;
- External Works for installation for pipe works & Sheet pipe;
- Construct Vent Duct (Roof) at ICP & SPS;
- Fair face elements at Portion A25 of ICP & SPS;
- Waterproofing & backfilling on B1/F & RF;
- ABWF & MEP fix.

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

- Pre-grouting adjacent to seawall;
- Pipe pile construction;
- Bulk excavation;
- Steel Struct ELS Installation.

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 September to 30 September 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:

- Construction of 3/F, 2/F, 1M/F, 1/F, G/F and LG/F;

- Construction of column from LGF to GF, G/F to 1/F, 1/F to 1M/F, 1M/F to 2/F, 2/F to 3/F;
- Encasement of Mega Trusses;
- ABWF work at DCS;
- E&M work at B2/F and SPS;
- Construction of B1 slab and beam and Roof Beam and slab at ICP;
- Sheet Pile Installation for seawater outfall pipe between Ch0+66 to Ch0+108;
- Storm Drainage at Portion M45;
- Sewerage work at Portion L08;
- West core wall up to 4/F.

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

- Pre-grouting adjacent to seawall;
- Pipe pile construction;
- Bulk excavation;
- Preparation works for ELS;
- 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
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	05-Sep-17	10:40	176	183	191	56-198	273.7	500
	11-Sep-17	10:40	180	189	198			
	15-Sep-17	8:00	82	56	71			
	21-Sep-17	10:48	62	56	71			
	27-Sep-17	10:40	80	88	97			
AM2A	05-Sep-17	10:55	179	189	199	69-207	274.2	500
	11-Sep-17	10:57	183	192	207			
	15-Sep-17	8:12	75	90	86			
	21-Sep-17	11:02	71	69	75			
	27-Sep-17	10:55	82	90	99			

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	05-Sep-17	10:42	66	32-82	143.6	260
	11-Sep-17	10:42	32			
	15-Sep-17	08:02	47			
	21-Sep-17	10:50	82			
	27-Sep-17	10:42	49			
AM2A	05-Sep-17	10:52	77	42-77	151.1	260
	11-Sep-17	10:52	42			
	15-Sep-17	08:14	64			
	21-Sep-17	11:00	68			
	27-Sep-17	10:52	66			

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))
05-Sep-17	14:00	14:30	69	75
11-Sep-17	14:00	14:30	69	
21-Sep-17	14:00	14:30	69	
27-Sep-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 10 and 17 September 2017. In accordance with the EM&A Manual, additional monitoring was carried out during the restricted hours on 10 and 17 September 2017. All the L_{eq} (5 mins) is 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 14 and 28 September 2017 for M+ Museum and 13 and 27 September 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 8, 14, 21 and 28 September 2017. The joint site inspection with IEC, ET, ER and Contractor was held on 21 September 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)
17 Aug 2017	Air quality	NRMM label of a breaker was observed weathering. The contractor was reminded to replace the label.	On 24 Aug, the contractor was reminded to provide NRMM label for the plant as soon as possible. On 31 Aug, the contractor has not yet provided NRMM label for the machinery, nevertheless they have idled the machinery (not in use). On 5 Sep 2017, the contractor has provided NRMM label for the excavator.	5 Sep 2017
31 Aug 2017	Air quality	The haul road near DCS was observed dry and dusty. The contractor was reminded to enhance water spraying for dust suppression.	The haul road was observed wet.	5 Sep 2017
31 Aug 2017	Air quality	The colour of the NRMM label for the excavator was observed faded. The contractor was reminded to replace the NRMM label.	A new NRMM label was provided for the excavator.	8 Sep 2017
31 Aug 2017	Waste management	The drip tray of the air compressor near seafront was found not large enough. The contractor was reminded to provide a drip tray with proper size. The lubricant next to the air compressor and oil drum near RDE were found without drip tray. The contractor was reminded to provide drip trays for the lubricant and oil drum.	The air compressor near seafront was removed and drip tray was provided for oil drum and lubricant.	8 Sep 2017
31 Aug 2017	Waste management	Construction waste was found accumulated at B1. The contractor was reminded to remove the construction waste regularly.	The construction waste at B1 was removed.	8 Sep 2017
31 Aug 2017	Air quality	The forklift at RDE B1 was observed without NRMM label. The contractor was reminded to provide NRMM label for the forklift.	The NRMM label was provided for the forklift.	8 Sep 2017
8 Sep 2017	Waste	Chemical containers without drip tray were observed at dangerous	The contractor has removed the	14 Sep 2017

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
	management	goods store. The Contractor was reminded to provide drip tray accordingly.	chemical containers off site.	
8 Sep 2017	Water quality	The layout plan displayed at each Wetsep unit required updated. The Contractor was reminded to display a new updated layout plan for each Wetsep unit.	The contractor has displayed the updated drainage layout plans at wetseps.	14 Sep 2017
8 Sep 2017	Waste management	Oil spill and oil drum without drip tray were observed at B1 near CSF. The Contractor was reminded to clear the oil spill (as chemical waste) and provide drip tray for the oil drum.	The contractor has removed the oil spill and provided drip tray for the oil drum.	14 Sep 2017
8 Sep 2017	Air quality	The NRMM label for a bobcat at B2 was damaged. The Contractor was reminded to provide a new NRMM label.	The contractor has provided NRMM label for the bobcat.	14 Sep 2017
8 Sep 2017	Waste management	Loose general refuse was observed on the ground at B1 and at B2. The Contractor was reminded to remove the refuse regularly.	The contractor has removed the refuse on the ground at B1 and B2.	14 Sep 2017
8 Sep 2017	Water quality	Effluent quality at ICP sampling point was checked and was found visually clear and within proper pH range. No effluent was observed at Wetsep No. 5 and therefore no sample could be obtained for checking.	N/A	N/A
8 Sep 2017	Water quality	Flooding was observed at B2 (ST-14B). The Contractor was reminded to direct accumulated water to Wetsep unit for treatment prior to discharge from site.	The contractor has provided pump and removed the accumulated water.	14 Sep 2017
8 Sep 2017	Waste management	Spillage of fuel was observed during refuelling of a site plant at SPS which was not conducted properly. The Contractor was reminded to clear the fuel spill, use proper container to store fuel and display ULSD label on this container.	The contractor has cleared the fuel spill and confirmed the fuel is ULSD.	14 Sep 2017
14 Sep 2017	Air quality	Cement bags were observed without proper cover at RDE B1. The contractor was reminded to properly cover them with impervious sheeting to reduce dust impact.	The contractor has removed the cement bags at RDE B1.	18 Sep 2017
14 Sep 2017	Waste management	Construction waste was found accumulated at RDE B1 and B2. The contractor was reminded to regularly remove construction waste.	The contractor has removed the accumulated construction waste at RDE B1 and B2.	18 Sep 2017
14 Sep 2017	Waste management	Chemicals and oil drums at B2 and haul road next to RDE were found without drip tray. The contractor was reminded to provide drip trays for the chemical containers and oil drums.	The contractor has either removed the chemicals or provided drip tray for the oil drums.	20 Sep 2017
14 Sep 2017	Water quality	Part of the earth bund at seafront was found not yet finished off with a layer of cement. The contractor was reminded to cover it with a layer of cement.	The contractor has finished off the remaining part of the seafront earth bund with a layer of cement.	18 Sep 2017

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
14 Sep 2017	Water quality	Effluent quality at ICP sampling point and wetsep no.5 was checked. The ICP sample was found visually clear and within proper pH range. However, the sample at wetsep no.5 was found accumulated with suspended solids though no water was being discharged. The contractor was reminded to carry out regular maintenance at wetsep no.5 and sedimentation tank to avoid suspended solids accumulation when no site runoff is treated in wetsep.	The contractor has carried out maintenance and removed the suspended solids accumulated at wetsep no.5.	19 Sep 2017
21 Sep 2017	Air quality	NRMM label for an excavator was observed broken. The contractor was reminded to replace the NRMM label.	The excavator was exempted under the NRMM regulation, no NRMM label is required.	27 Sep 2017
21 Sep 2017	Waste management	General waste was observed accumulated on the ground. The contractor was reminded to regularly remove the general refuse.	The contractor has removed the construction waste on the ground.	27 Sep 2017
21 Sep 2017	Air quality	Cement bags were found without proper cover. The contractor was reminded to cover them with impervious sheeting to reduce dust impact.	The contractor has removed the cement bags.	27 Sep 2017
21 Sep 2017	Waste management	Oil stain, chemicals and oil drum without drip tray were found on haul road near RDE. The contractor was reminded to remove the oil stain and provide drip trays for the chemicals and oil drum.	The contractor has removed the oil stain, chemicals and oil drum.	28 Sep 2017
21 Sep 2017	Water quality	Effluent quality at ICP sampling point was checked. The sample was found visually clear when comparing with standard solution. However, the pH was found marginally higher than 9 (also from pH meter of wetsep no.4). The contractor was reminded to check and ensure the pH of the effluent within pH 6-9 as per the discharge license.	The contractor has checked the wetsep no. 4 and the pH is now within proper pH range.	28 Sep 2017
28 Sep 2017	Air quality	The contractor was reminded to cover the stockpile with impervious sheeting if it is not backfilled to reduce dust impact.	Follow-up status will be provided in the next reporting month	On-going
28 Sep 2017	Water quality	The contractor was reminded to check the pH meter of wetsep no. 4 as the reading was found a bit high, though within proper pH range.	Follow-up status will be provided in the next reporting month	On-going
28 Sep 2017	Noise	A hand-held breaker in use was found without noise label. The contractor was reminded to provide noise label for the breaker.	Follow-up status will be provided in the next reporting month	On-going
28 Sep 2017	Waste management	A drip tray on the haul road next to RDE was found accumulated with chemical mixture. The contractor was reminded to clean drip tray regularly.	Follow-up status will be provided in the next reporting month	On-going
28 Sep 2017	Water quality	Effluent quality at ICP sampling point and M+ wetsep was	N/A	N/A

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
		checked. They were found visually clear when comparing with standard solution and within proper pH range.		

4.1.2 Lyric Theatre Complex

Construction phase weekly site inspections were carried out on 6, 13, 20 and 27 September 2017. The joint site inspection with IEC, ET, ER and Contractor was held on 20 September 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)
6 Sep 2017	Noise	The Contractor was reminded to place the noise barrier at suitable location in order to block the line-of-sight between noise sources (e.g. breaker) and nearby residential premises.	Additional acoustic blanket set up near the pile head trimming location.	9 Sep 2017
13 Sep 2017	Air quality	The colour of a NRMM label for a generator in Area L04 was faded. The Contractor was reminded to provide a new NRMM label showing the correct colour.	Replacement NRMM label has been provided.	19 Sep 2017
13 Sep 2017	Air quality	Dry haul road was observed at Area L07. The Contractor was reminded to increase water spraying frequency to avoid dust impact.	Regular water spray was provided for previously-observed road surface.	19 Sep 2017
20 Sep 2017	Air quality	The NRMM label for an excavator in Area L06 was missing. The Contractor was reminded to provide a replacement NRMM label.	The NRMM label was displayed at the excavator.	26 Sep 2017
20 Sep 2017	Waste Management	Air compressor was observed on bare ground in Area L05. The Contractor was reminded to provide a drip tray for this construction plant.	Air compressor still not in use. Drip tray stand-by and ready to deploy to the air compressor when it is in operation.	26 Sep 2017
20 Sep 2017	Waste Management	Drip tray for a mobile pump near CLP substation was suspected to be unplugged. Some liquid was also observed outside this drip tray. The Contractor was asked to plug the drip tray properly and clear the leaked liquid appropriately.	Leakage was cleaned and plug was provided.	26 Sep 2017
20 Sep 2017	Air quality	Some haul roads were dry. The Contractor was asked to ensure these are adequately provided with water spray.	Regular water spraying was provided for previously observed haul road surface.	26 Sep 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, 11.01 tonnes, 653.81 tonnes and 677.18 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 210.9 tonnes of general refuse were disposed of at SENT landfill. 52.3 tonnes of metals, 0.7 tonnes of paper/cardboard packaging, 0 tonne of plastic and 350.0 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 339.7 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 M+ Museum in the reporting month are shown in **Appendix I**.

4.2.2 Lyric Theatre Complex

As advised by the Contractor, 752.7 and 221.99 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 10.8 tonnes of general refuse were disposed of at SENT landfill. 34.6 tonne of metals, 0.2 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. 1133.5 tonnes of inert C&D materials were reused in other projects. 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-RE0348-17	4-May 17	3-Nov-17	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	--
Construction Noise Permit				
GW-RE0214-17	20-Mar-17	19-Sep-17	Valid till 19-Sep-17	
GW-RE0677-17	20-Sep-17	19-Mar-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

- All chemical drum/ containers stored on site should be provided with drip trays of proper size.
- 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 if not backfilled should be covered with impervious sheeting to reduce dust impact.
- Proper NRMM labels should be displayed on the non-road mobile machineries.

Noise

- Provide noise emission labels for hand-held breakers (>10kg).

Water Quality

- Preventive measures, such as earth bund, pumps, sand bags, storage pits, should be in place near the seafront area to prevent overflow of any site runoff into the sea in case of rainstorms.
- Drainage layout plan should be displayed at wetseps for easy checking.
- Regular maintenance should be provided to wetsep units to ensure their treatment performance

4.4.2 Lyric Theatre Complex

Air Quality

- Enhance water spraying for haul roads to reduce dust impact.
- Proper NRMM labels should be provided for non-road mobile machinery.

Noise

- Noise mitigation measures should be provided to noisy works to reduce noise impact and block the line-of-sight between noise sources and nearby residential premises.

Chemical and Waste Management

- Drip trays should be provided for active generators and air compressors and plugged to prevent leakage of chemical waste.
- Any chemical leakage should be cleaned.

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 August 2017	14 September 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:

- Construction of B2 Walls & Columns to B1 Slab;
- Construction of B1/F Columns & Walls to G/F Slab;
- Construction of G/F Columns & Walls to 1/F & 1M/F Slab;
- Construction of 1/F Columns & Walls to 2/F Slab and 2/F Columns & Walls to 3/F Slab;
- Construction of 3/F Columns & Walls to 4/F Slab and 7/F Columns & Walls to 8/F Slab;
- T5, T2, T1, T3 & T4 Mega Truss Construction & Removal of Falseworks;
- External Works for installation for pipe works & Sheet pipe;
- Construct Vent Duct (Roof) at ICP & SPS;
- Fair face elements at Portion A25 of ICP & SPS;
- Waterproofing & backfilling on B1/F & RF;
- ABWF & MEP fix.

7.1.2 Lyric Theatre Complex

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

- Pre-grouting adjacent to seawall;
- Pipe pile construction;
- Bulk excavation;
- Steel Struct ELS Installation.

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

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A. Project Organisation

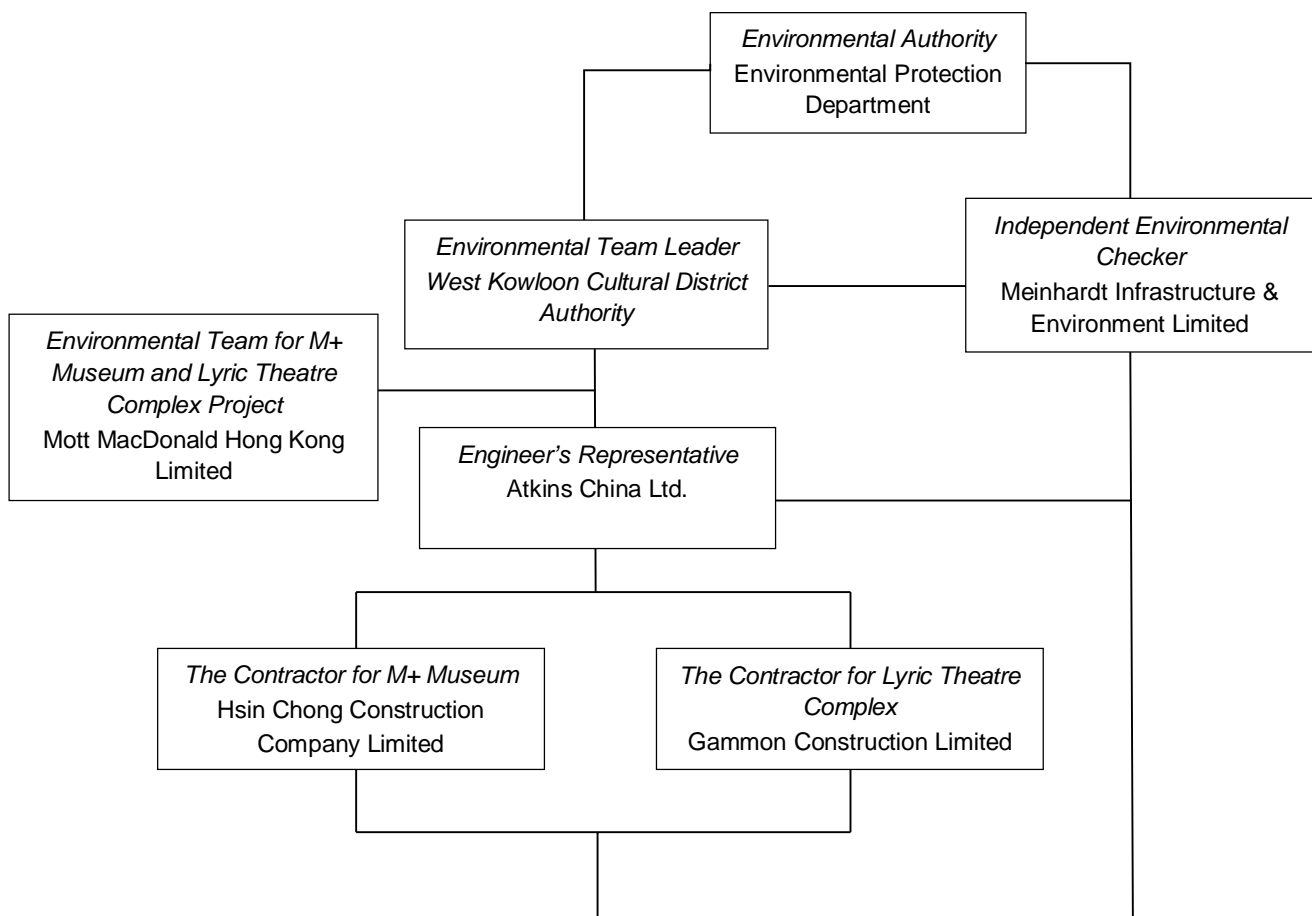


Table A-1: Contact information

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 24 - 30 September

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)	September					October				November				December				January			
										24	25	26	27	28	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	
Five Weeks Rolling Programme (5WRP-105) (24 Sep to 30 Sep 2017)																														
M+																														
Contract Dates																														
CD01	Contract Period (1218 days)	818	17-Dec-16	14-Mar-19	17-Dec-16 A	30-Apr-19	35.04%	29.46%	-43																					
Contract Key Dates																														
CKD01	Sewage Pumping Station (SPS) - Practical Completion for H/O to DSD	0		20-Oct-17		20-Oct-17*	100%	0%	-117																					
CKD07	Interfacing Car Park (ICP) - Complete of Structure	0		07-Oct-17		07-Oct-17*	100%	0%	-104																					
Forecast Completion Dates																														
KD01	Sewage Pumping Station (SPS) - Practical Completion for H/O to DSD	0		20-Oct-17		20-Oct-17*	100%	0%	-35																					
KD07	Interfacing Car Park (ICP) - Complete of Structure	0		07-Oct-17		07-Oct-17*	100%	0%	-104																					
Critical Key Dates																														
Critical Key Dates - M+ Tower Structure RC Works																														
Critical Key Dates - M+ Tower Structure Works - West Core																														
A12770	Complete West Core Wall - 5/F Slab, Wall & Column (GL 7-8/A-E)	0		16-Sep-17		04-Sep-17 A	100%	100%	-37																					
A12780	Complete West Core Wall - 6/F Slab, Wall & Column (GL 7-8/A-E)	0		30-Sep-17		22-Sep-17 A	100%	100%	-40																					
A12790	Complete West Core Wall - 7/F Slab, Wall & Column (GL 7-8/A-E)	0		11-Oct-17		11-Oct-17	100%	0%	-42																					
A12800	Complete West Core Wall - 8/F Slab, Wall & Column (GL 7-8/A-E)	0		25-Oct-17		25-Oct-17	100%	0%	-42																					
A12810	Complete West Core Wall - 9/F Slab, Wall & Column (GL 7-8/A-E)	0		09-Nov-17		09-Nov-17	100%	0%	-42																					
A12820	Complete West Core Wall - 10/F Slab, Wall & Column (GL 7-8/A-E)	0		22-Nov-17		22-Nov-17	0%	0%	-41																					
A12830	Complete West Core Wall - 11/F Slab, Wall & Column (GL 7-8/A-E)	0		05-Dec-17		05-Dec-17	0%	0%	-40																					
A12840	Complete West Core Wall - 12/F Slab, Wall & Column (GL 7-8/A-E)	0		18-Dec-17		18-Dec-17	0%	0%	-39																					
A12860	Complete West Core Wall - 13/F Slab, Wall & Column (GL 7-8/A-E)	0		03-Jan-18		03-Jan-18	0%	0%	-38																					
A12870	Complete West Core Wall - 14/F Slab, Wall & Column (GL 7-8/A-E)	0		17-Jan-18		17-Jan-18	0%	0%	-38																					
A12880	Complete West Core Wall - 15/F Slab, Wall & Column (GL 7-8/A-E)	0		31-Jan-18		31-Jan-18	0%	0%	-38																					
Critical Key Dates - M+ Tower Structure Works - East Core																														
A12920	Complete East Core Wall - 5/F Slab, Wall & Column (GL 7-8/L-M)	0		30-Oct-17		30-Oct-17	100%	0%	-51																					
A12930	Complete East Core Wall - 6/F Slab, Wall & Column (GL 7-8/L-M)	0		13-Nov-17		13-Nov-17	100%	0%	-51																					
A12940	Complete East Core Wall - 7/F Slab, Wall & Column (GL 7-8/L-M)	0		24-Nov-17		24-Nov-17	100%	0%	-51																					
A12950	Complete East Core Wall - 8/F Slab, Wall & Column (GL 7-8/L-M)	0		06-Dec-17		06-Dec-17	0%	0%	-51																					
A12970	Complete East Core Wall - 9/F Slab, Wall & Column (GL 7-8/L-M)	0		18-Dec-17		18-Dec-17	0%	0%	-51																					
A12980	Complete East Core Wall - 10/F Slab, Wall & Column (GL 7-8/L-M)	0		02-Jan-18		02-Jan-18	0%	0%	-51																					
A12990	Complete East Core Wall - 11/F Slab, Wall & Column (GL 7-8/L-M)	0		13-Jan-18		13-Jan-18	0%	0%	-51																					
A13000	Complete East Core Wall - 12/F Slab, Wall & Column (GL 7-8/L-M)	0		25-Jan-18		25-Jan-18	0%	0%	-51																					
A13010	Complete East Core Wall - 13/F Slab, Wall & Column (GL 7-8/L-M)	0		06-Feb-18		06-Feb-18	0%	0%	-51																					
A13020	Complete East Core Wall - 14/F Slab, Wall & Column (GL 7-8/L-M)	0		21-Feb-18		21-Feb-18	0%	0%	-51																					
Critical Key Dates - M+ Tower Structure Works - Tower																														
A13070	Complete Tower Structure - 5/F Slab, Wall & Column (GL 7-8/E-L)	0		11-Nov-17		11-Nov-17	100%	0%	-39																					
A13080	Complete Tower Structure - 6/F Slab, Wall & Column (GL 7-8/E-L)	0		23-Nov-17		23-Nov-17	0%	0%	-38																					
A13090	Complete Tower Structure - 7/F Slab, Wall & Column (GL 7-8/E-L)	0		04-Dec-17		04-Dec-17	0%	0%	-37																					
A13100	Complete Tower Structure - 8/F Slab, Wall & Column (GL 7-8/E-L)	0		15-Dec-17		15-Dec-17	0%	0%	-37																					
A13110	Complete Tower Structure - 9/F Slab, Wall & Column (GL 7-8/E-L)	0		29-Dec-17		29-Dec-17	0%	0%	-37																					

	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
30-Jun-17	3MRP_M21_30 Jun 17	Chris S.	Chis Chau / Ricky Lau
31-Jul-17	3MRP_M22_31 July 17	Chris S.	Chis Chau / Ricky Lau
31-Aug-17	3MRP_M23_31 August...	Chris S.	Chis Chau / Ricky Lau
30-Sep-17	3MRP_M24_30 Sept 17	Sam T.	Chis Chau / Ricky Lau

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December				January							
										24					25				26				27				28							
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08					
A13120	Complete Tower Structure - 10/F Slab, Wall & Column (GL 7-8/E-L)	0		11-Jan-18		11-Jan-18	0%	0%	-37																									
A13140	Complete Tower Structure - 11/F Slab, Wall & Column (GL 7-8/E-L)	0		23-Jan-18		23-Jan-18	0%	0%	-37																									
A13150	Complete Tower Structure - 12/F Slab, Wall & Column (GL 7-8/E-L)	0		03-Feb-18		03-Feb-18	0%	0%	-37																									
Critical Key Dates - Lifts & Escalators																																		
LT10630	LT12 Ready for Permant Use	0		18-Mar-18		18-Mar-18	0%	0%	-99																									
LT10680	LT14 Ready for Permant Use	0		18-Mar-18		18-Mar-18	0%	0%	-99																									
LT11200	ES03 & ES04 Ready for Permant Use	0		14-Feb-18		14-Feb-18	0%	0%	-96																									
Critical Key Dates - Mega Truss Works																																		
Critical Key Dates - Mega Truss Erection & Construction																																		
A15520	Complete Truss 4 - Construction	0		09-Sep-17		01-Sep-17 A	100%	100%	-15	◆																								
A40525	Complete Truss 1 - Construction	0		09-Sep-17		06-Sep-17 A	100%	100%	-27	◆																								
A46720	Complete Truss 2 Construction	0		09-Sep-17		09-Sep-17 A	100%	100%	-33	◆																								
A50600	Complete Truss 5 - Construction	0		30-Sep-17		15-Sep-17 A	100%	100%	-16	◆																								
Critical Key Dates - Removal of Falsework																																		
A18360	Complete Removal of T5 falseworks	0		11-Nov-17		11-Nov-17	0%	0%	-31						◆																			
A18370	Complete Removal of T1 & T2 falseworks @GL L-H	0		07-Dec-17		07-Dec-17	0%	0%	-40																					◆				
A18380	Complete Removal of T1 & T2 falseworks @GL H-E	0		07-Dec-17		07-Dec-17	0%	0%	-40																					◆				
A18440	Complete Removal of T3 falseworks	0		02-Nov-17		02-Nov-17	0%	0%	-1																									
A18500	Complete Removal of T4 falseworks	0		20-Dec-17		20-Dec-17	0%	0%	-20																									
Critical Key Dates - Podium Structure RC Works																																		
A11110	Complete Zone A - G/F Slab, Wall & Columns	0		03-Oct-17		03-Oct-17	100%	0%	-105						◆																			
A11120	Complete Zone A - 1M/F Slab, Wall & Columns	0		18-Oct-17		18-Oct-17	100%	0%	-94																									
A11125	Complete Zone A - 2/F Slab, Wall & Columns	0		02-Nov-17		02-Nov-17	100%	0%	-85																									
A11800	Complete Zone A - 3/F Slab, Wall & Columns	0		25-Nov-17		25-Nov-17	100%	0%	-80																									
A11810	Complete Zone H - B1/F Slab	0		12-Oct-17		12-Oct-17	100%	0%	-107																									
A11820	Complete Zone H - LG/F Slab, Wall & Columns	0		24-Oct-17		24-Oct-17	100%	0%	-107																									
A11830	Complete Zone H - G/F Slab, Wall & Columns	0		08-Nov-17		08-Nov-17	100%	0%	-81																									
A11840	Complete Zone H - 1/F Slab, Wall & Columns	0		23-Nov-17		23-Nov-17	100%	0%	-78																									
A11850	Complete Zone H - 1M/F Slab, Wall & Columns	0		08-Dec-17		08-Dec-17	100%	0%	-76																									
A11860	Complete Zone H - 2/F Slab, Wall & Columns	0		22-Dec-17		22-Dec-17	100%	0%	-73																									
A11870	Complete Zone H - 3/F Slab, Wall & Columns	0		18-Jan-18		18-Jan-18	0%	0%	-69																									
A11950	Complete Zone M - G/F Slab, Wall & Columns (GL7-8/D-E)	0		10-Nov-17		10-Nov-17	100%	0%	-48																									
A11960	Complete Zone M - 1M/F Slab, Wall & Columns (GL7-8/D-E)	0		31-Oct-17		31-Oct-17	100%	0%	-29																									
A11970	Complete Zone M - 2/F Slab, Wall & Columns (GL7-8/D-E)	0		18-Oct-17		18-Oct-17	0%	0%	-9																									
A11980	Complete Zone M - 3/F Slab, Wall & Columns (GL7-8/D-E)	0		10-Nov-17		10-Nov-17	0%	0%	-18																									
A12000	Complete Zone M - 4/F Slab, Wall & Columns (GL7-8/D-E)	0		06-Oct-17		06-Oct-17	0%	0%	21																									
A12010	Complete Zone C - G/F Slab, Wall & Columns	0		09-Oct-17		09-Oct-17	100%	0%	-98																									
A12020	Complete Zone C - 1/F Slab, Wall & Columns	0		09-Oct-17		09-Oct-17	100%	0%	-68																									
A12030	Complete Zone C - 1M/F Slab, Wall & Columns	0		09-Oct-17		09-Oct-17	100%	0%	-68																									
A12040	Complete Zone C - 2/F Slab, Wall & Columns	0		08-Nov-17		08-Nov-17	100%	0%	-68																									
A12050	Complete Zone C - 3/F Slab, Wall & Columns	0		13-Dec-17		13-Dec-17	100%	0%	-68																									
A12120	Complete Zone D1 - 1M/F Slab, Wall & Columns incld. De-Prop	0		27-Dec-17		27-Dec-17	0%	0%	-30																									
A12130	Complete Zone D1 - 2/F Slab, Wall & Columns	0		13-Dec-17		13-Dec-17	0%	0%	-30																									
A12140	Complete Zone D1 - 3/F Slab, Wall & Columns incld. De-Prop	0		20-Jan-18		20-Jan-18	0%	0%	-30																									
A12160	Complete Zone D2 - B1/F Slab	0		15-Feb-18		15-Feb-18	0%	0%	-40																									
A12190	Complete Zone D2 - 1M/F Slab, Wall & Columns incld De-Prop	0		30-Jan-18		30-Jan-18	0%	0%	-40																									

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January		
										24					25					26					27					28		
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08			
Zone B @5-7/E-J																																
A16290	Stage 1 - Construct wall, column & B1 slab (GL 5-7/E-J)	8	08-Dec-17	16-Dec-17	08-Dec-17	16-Dec-17	0%	0%	-40																							
A16300	Stage 2 - Construct wall, column & GF slab (GL 5-7/E-J)	8	18-Dec-17	28-Dec-17	18-Dec-17	28-Dec-17	0%	0%	-40																							
A16310	Stage 3 - Construct hanging columns, wall, cols & 1MF slab (GL 5-7/E-J)	10	29-Dec-17	10-Jan-18	29-Dec-17	10-Jan-18	0%	0%	-40																							
A16320	Stage 4 - Construct wall, column & 2F slab (GL 5-7/E-J)	10	11-Jan-18	22-Jan-18	11-Jan-18	22-Jan-18	0%	0%	-40																							
A16330	Stage 5 - Construct wall, column & 3F slab (GL 5-7/E-J)	10	23-Jan-18	02-Feb-18	23-Jan-18	02-Feb-18	0%	0%	-40																							
A16340	Stage 6 - De-prop Zone B (GL 5-7/E-J)	3	03-Feb-18	06-Feb-18	03-Feb-18	06-Feb-18	0%	0%	-40																							
A48010	Complete Zone B Structure	0		06-Feb-18		06-Feb-18	0%	0%	-40																							
Zone Q @5-7/D-F																																
A16350	Stage 1 - Construct wall, column & B1 slab (GL 5-7/D-F)	8	08-Dec-17	16-Dec-17	08-Dec-17	16-Dec-17	0%	0%	-40																							
A16360	Stage 2 - Construct wall, column & GF slab (GL 5-7/D-F)	8	18-Dec-17	28-Dec-17	18-Dec-17	28-Dec-17	0%	0%	-40																							
A16370	Stage 3 - Construct hanging columns, wall, cols & 1MF slab (GL 5-7/D-F)	8	29-Dec-17	08-Jan-18	29-Dec-17	08-Jan-18	0%	0%	-40																							
A16380	Stage 4 - Construct wall, column & 2F slab (GL 5-7/D-F)	8	09-Jan-18	17-Jan-18	09-Jan-18	17-Jan-18	0%	0%	-40																							
A16390	Stage 5 - Construct wall, column & 3F slab (GL 5-7/D-F)	8	18-Jan-18	26-Jan-18	18-Jan-18	26-Jan-18	0%	0%	-40																							
A16400	Stage 6 - De-prop Zone Q (GL 5-7/D-F)	3	27-Jan-18	30-Jan-18	27-Jan-18	30-Jan-18	0%	0%	-40																							
A16410	Complete Zone Q Structure	0		30-Jan-18		30-Jan-18	0%	0%	-40																							
Podium Structure Zone K, L & P (Deferred Zone Near T1 & T2)																																
Zone K & L External & Carriageway Walls (GL 8-11/M) @M14																																
A59190	Construct tunnel base slab (GL 11/L-M)	10	29-Jul-17	07-Aug-17	19-Jul-17 A	07-Sep-17 A	100%	100%	-76																							
A59200	Construct B1 slab (GL 9-11/K-L)	12	25-Sep-17	10-Oct-17	18-Sep-17 A	10-Oct-17	100%	10%	-78																							
A59210	Construct carriageway wall CWA (GL 11-11.5/L)	12	11-Oct-17	24-Oct-17	20-Sep-17 A	12-Oct-17	100%	5%	-68																							
A59260	Construct column, wall & GF slab (GL 8-12/M)	18	22-Aug-17	11-Sep-17	03-Jul-17 A	14-Oct-17	100%	97%	-52																							
A59270	Complete Podium External Wall to GF & H/O Area M14	0		14-Oct-17		14-Oct-17	100%	0%	-52																							
Zone K & L @GL 8-11/H-M (K, L & P de-prop together)																																
A16420	Stage 7 - Propping & Construct 1MF beam & slab (GL 8-10/H-L)	15	08-Dec-17	27-Dec-17	08-Dec-17	27-Dec-17	0%	0%	-40																							
A16430	Stage 8 - Construct column, wall & 2F slab (GL 8-10/H-M)	13	28-Dec-17	12-Jan-18	28-Dec-17	12-Jan-18	0%	0%	-40																							
A16435	Stage 8 - 2F Concrete Curing	7	13-Jan-18	19-Jan-18	13-Jan-18	19-Jan-18	0%	0%	-50																							
A16440	Stage 9 - Construct GF slab (GL 8-11/H-M)	12	20-Jan-18	02-Feb-18	20-Jan-18	02-Feb-18	0%	0%	-40																							
A16450	Stage 9 - Propping & Construct column, wall & 3F slab (GL 8-11/H-M)	20	20-Jan-18	12-Feb-18	20-Jan-18	12-Feb-18	0%	0%	-40																							
A16460	Stage 10 - Construct GF hanger column & wall (GL 8-11/H-M)	12	03-Feb-18	20-Feb-18	03-Feb-18	20-Feb-18	0%	0%	-40																							
Zone P @GL 11-8/7-5																																
A16590	Stage 1 - Construct retaining wall (GL 8-10/D-G)	15	08-Dec-17	27-Dec-17	08-Dec-17	27-Dec-17	0%	0%	-40																							
A16595	Stage 1 - Construct B1 Slab (GL 7-11/D-J)	15	28-Dec-17	15-Jan-18	28-Dec-17	15-Jan-18	0%	0%	-40																							
A16620	Stage 2 - Propping & Construct 1MF slab (GL 10-11/D-H)	13	16-Jan-18	30-Jan-18	16-Jan-18	30-Jan-18	0%	0%	-40																							
A16630	Stage 2 - Propping & Construct 1MF slab (GL 8-10/D-H)	13	31-Jan-18	14-Feb-18	31-Jan-18	14-Feb-18	0%	0%	-40																							
A16640	Stage 3 - Construct 2F beam & slab (GL 10-11/D-H)	10	31-Jan-18	10-Feb-18	31-Jan-18	10-Feb-18	0%	0%	-40																							
A16650	Stage 3 - Construct 2F beam & slab (GL 8-10/D-H)	10	15-Feb-18	01-Mar-18	15-Feb-18	01-Mar-18	0%	0%	-40																							
Podium Structure Zone E, G & J (Deferred Zone Near T3 & T4)																																
Zone E & E1 @GL 10-8/A-E (not within deferred zone)																																
A16870	Stage 4 - Construct 2F beam & slab (GL 12-8/A-C)	20	25-Sep-17	19-Oct-17	03-Sep-17 A	23-Sep-17 A	100%	100%	-52																							
A16890	Stage 5 - Construct wall, column & 3F roof (GL 12-8/A-C)	21	25-Sep-17	20-Oct-17	21-Sep-17 A	17-Oct-17	100%	25%	-49																							
A16920	Stage 8 - 1MF, 2F & 3F Concrete Curing (GL 12-8/A-C: incl. Area E1)	7	18-Oct-17	24-Oct-17	18-Oct-17	24-Oct-17	100%	0%	-60																							
A16930	Stage 9 - De-prop 1MF & 3F	6	25-Oct-17	01-Nov-17	25-Oct-17	01-Nov-17	100%	0%	-49																							
A16940	Stage 8 - Complete Zone E	0		01-Nov-17		01-Nov-17	100%	0%	-49																							
Installation of Stability Prop for T3 & T4																																
A16960	Stage 5 - Install T3 stability prop	2	03-Oct-17	04-Oct-17	03-Oct-17	04-Oct-17	100%	0%	-50																							

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December			January				
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	
Mega Truss Infill Construction (Zone F @ GL 7-8/D-M)																														
Truss Completion & De-prop																														
A17960	Truss T1 Erection Complete	0		16-Sep-17		06-Sep-17 A	100%	100%	-27	◆ Truss T1 Erection Complete,																				
A17970	Truss T2 Erection Complete	0		16-Sep-17		09-Sep-17 A	100%	100%	-33	◆ Truss T2 Erection Complete,																				
A17975	Truss T5 Erection Complete	0		30-Sep-17		30-Sep-17	100%	0%	-29	◆ Truss T5 Erection Complete,																				
A17985	Truss T3 Erection Complete	0		30-Sep-17		30-Sep-17	100%	0%	-50	◆ Truss T3 Erection Complete,																				
A17995	Truss T4 Erection Complete	0		30-Sep-17		30-Sep-17	100%	0%	-41	◆ Truss T4 Erection Complete,																				
A50000	De-prop Truss 1	6	15-Sep-17	22-Sep-17	06-Sep-17 A	08-Sep-17 A	100%	100%	-23	■																				
A50080	De-prop Truss 2	6	16-Sep-17	22-Sep-17	08-Sep-17 A	09-Sep-17 A	100%	100%	-27	■																				
A50085	De-prop Truss T5	4	01-Nov-17	04-Nov-17	16-Aug-17 A	25-Aug-17 A	100%	100%	9	■																				
A50095	De-prop Truss T3	4	05-Sep-17	08-Sep-17	28-Aug-17 A	01-Sep-17 A	100%	100%	-18	■																				
A50105	De-prop Truss T4	4	13-Sep-17	16-Sep-17	01-Sep-17 A	05-Sep-17 A	100%	100%	-12	■																				
Removal of Modular Towers																														
A17980	Removal of Modular Middle Towers & Bracing to Middle Towers @ GL	2	16-Oct-17	17-Oct-17	16-Oct-17	17-Oct-17	100%	0%	-40	■																				
A17990	Removal of Modular Side Towers & Bracing to Side Towers @ GL L-H	3	16-Oct-17	18-Oct-17	16-Oct-17	18-Oct-17	100%	0%	-41	■																				
A18010	Removal of Modular Middle Towers & Bracing to Middle Towers @ GL	3	16-Oct-17	18-Oct-17	16-Oct-17	18-Oct-17	100%	0%	-39	■																				
A18020	Removal of Modular Side Towers & Bracing to Side Towers @ GL H-D	3	27-Sep-17	29-Sep-17	04-Aug-17 A	07-Sep-17 A	100%	100%	-5	■																				
A18060	Complete Removal of T1 & T2 Modular Towers	0		18-Oct-17		18-Oct-17	100%	0%	-39	◆ Complete Removal of T1 & T2 Modular Towers,																				
A57680	Removal of T5 Modular Side Towers & Bracing	3	03-Oct-17	06-Oct-17	30-Sep-17 A	04-Oct-17	100%	20%	-22	■																				
A57690	Removal of T3 Modular Side Towers & Bracing	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-44	■																				
A57700	Removal of T4 Modular Side Towers & Bracing	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-35	■																				
Removal of T5 Falseworks																														
Pre-setup Works																														
A18340	Install additional beam for strengthening T5 9M trusses	6	03-Oct-17	10-Oct-17	03-Oct-17	10-Oct-17	100%	0%	-35	■																				
A18350	Set up Strand Jack Support System at T5	5	11-Oct-17	16-Oct-17	11-Oct-17	16-Oct-17	100%	0%	-35	■																				
Removal Works for T5 Falseworks																														
A57880	Installation of Strand Jack on Strand Jack Support at T5	5	17-Oct-17	21-Oct-17	17-Oct-17	21-Oct-17	100%	0%	-31	■																				
A57890	Lift up 100mm	1	23-Oct-17	23-Oct-17	23-Oct-17	23-Oct-17	100%	0%	-31	■																				
A57900	Remove PERI Tower Jack head	2	24-Oct-17	25-Oct-17	24-Oct-17	25-Oct-17	100%	0%	-31	■																				
A57910	Remove PERI Tower (12 nos.)	3	26-Oct-17	30-Oct-17	26-Oct-17	30-Oct-17	100%	0%	-31	■																				
A57920	Lower down 9M truss (6 nos.)	1	31-Oct-17	31-Oct-17	31-Oct-17	31-Oct-17	100%	0%	-31	■																				
A57930	Disconnect strand jack system at T5	1	01-Nov-17	01-Nov-17	01-Nov-17	01-Nov-17	100%	0%	-31	■																				
A57940	Remove T5 working platform	3	02-Nov-17	04-Nov-17	02-Nov-17	04-Nov-17	100%	0%	-31	■																				
A57960	Remove 9M truss (12 nos.)	4	06-Nov-17	09-Nov-17	06-Nov-17	09-Nov-17	100%	0%	-31	■																				
A57970	Remove Non-Typical truss	4	06-Nov-17	09-Nov-17	06-Nov-17	09-Nov-17	100%	0%	-31	■																				
A57980	Remove Spreader Beam	2	10-Nov-17	11-Nov-17	10-Nov-17	11-Nov-17	0%	0%	-31	■																				
Removal of T1 & T2 Falseworks																														
Pre-setup Works																														
A18250	Install additional beam for strengthening T1&T2 18M trusses	6	03-Oct-17	10-Oct-17	30-Sep-17 A	09-Oct-17	100%	10%	-42	■																				
A18260	Remove Strand Jack on Strand Jack Support at T5	5	10-Oct-17	14-Oct-17	10-Oct-17	14-Oct-17	100%	0%	-42	■																				
A18270	Set up Strand Jack Support System at T1 & T2	4	16-Oct-17	19-Oct-17	16-Oct-17	19-Oct-17	100%	0%	-42	■																				
Removal Works for T1 & T2 Falseworks																														
A18280	Installation of Strand Jack on Strand Jack Support at T1,T2	5	04-Nov-17	09-Nov-17	04-Nov-17	09-Nov-17	100%	0%	-40	■																				
A18290	Lift up 100mm	1	10-Nov-17	10-Nov-17	10-Nov-17	10-Nov-17	100%	0%	-40	■																				
A18300	Remove PERI Tower Jack head	2	11-Nov-17	13-Nov-17	11-Nov-17	13-Nov-17	100%	0%	-40	■																				
A18310	Remove PERI Tower (12 nos.)	4	14-Nov-17	17-Nov-17	14-Nov-17	17-Nov-17	100%	0%	-40	■																				

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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)	September					October					November					December					January								
										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
A18035	Concrete Curing 4/F Slab @GL L-H	3	12-Oct-17	14-Oct-17	12-Oct-17	14-Oct-17	100%	0%	-50																													
A18040	Scaffolding for 4/F Slab RC Works @GL H-E	4	03-Oct-17	07-Oct-17	29-Sep-17 A	04-Oct-17	100%	50%	-38																													
A18050	Rebar fixing of 4/F Slab @GL H-E	3	07-Oct-17	10-Oct-17	07-Oct-17	10-Oct-17	100%	0%	-38																													
A18160	Formworks of 4/F Slab @GL H-E	1	06-Oct-17	06-Oct-17	06-Oct-17	06-Oct-17	100%	0%	-38																													
A18165	Concreting 4/F Slab @GL H-E	1	12-Oct-17	12-Oct-17	12-Oct-17	12-Oct-17	100%	0%	-39																													
A18175	Concrete Curing 4/F Slab @GL H-E	3	13-Oct-17	15-Oct-17	13-Oct-17	15-Oct-17	100%	0%	-48																													
Area of Modular Towers																																						
A57480	Scaffolding for 4/F Slab RC Works @GL L-H	3	18-Oct-17	20-Oct-17	18-Oct-17	20-Oct-17	100%	0%	-39																													
A57490	Rebar fixing of 4/F Slab @GL L-H	3	21-Oct-17	24-Oct-17	21-Oct-17	24-Oct-17	100%	0%	-40																													
A57500	Formworks of 4/F Slab @GL L-H	1	25-Oct-17	25-Oct-17	25-Oct-17	25-Oct-17	100%	0%	-40																													
A57510	Concreting 4/F Slab @GL L-H	1	26-Oct-17	26-Oct-17	26-Oct-17	26-Oct-17	100%	0%	-40																													
A57520	Concrete Curing 4/F Slab @GL L-H	3	27-Oct-17	29-Oct-17	27-Oct-17	29-Oct-17	100%	0%	-49																													
A57530	Scaffolding for 4/F Slab RC Works @GL H-E	4	19-Oct-17	23-Oct-17	19-Oct-17	23-Oct-17	100%	0%	-39																													
A57540	Rebar fixing of 4/F Slab @GL H-E	3	25-Oct-17	27-Oct-17	25-Oct-17	27-Oct-17	100%	0%	-40																													
A57550	Formworks of 4/F Slab @GL H-E	1	30-Oct-17	30-Oct-17	30-Oct-17	30-Oct-17	100%	0%	-40																													
A57560	Concreting 4/F Slab @GL H-E	1	31-Oct-17	31-Oct-17	31-Oct-17	31-Oct-17	100%	0%	-40																													
A57570	Concrete Curing 4/F Slab @GL H-E	3	01-Nov-17	03-Nov-17	01-Nov-17	03-Nov-17	100%	0%	-50																													
RC Works for 2/F Slab & Beams (6 nos. of Beam)																																						
Area Between Modular Towers																																						
A18065	Scaffolding for 2/F Slab & Beam @GL L-H	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-43																													
A18070	Rebar fixing of 2/F Slab & Beam @GL L-H	3	07-Oct-17	10-Oct-17	07-Oct-17	10-Oct-17	100%	0%	-43																													
A18080	Formworks of 2/F Slab & Beam @GL L-H	2	11-Oct-17	12-Oct-17	11-Oct-17	12-Oct-17	100%	0%	-43																													
A18090	Concreting 2/F Slab & Beam @GL L-H	1	13-Oct-17	13-Oct-17	13-Oct-17	13-Oct-17	100%	0%	-43																													
A18100	Concrete Curing 2/F Slab & Beam @GL L-H	3	14-Oct-17	16-Oct-17	14-Oct-17	16-Oct-17	100%	0%	-52																													
A18105	Scaffolding for 2/F Slab & Beam @GL H-E	3	07-Oct-17	10-Oct-17	07-Oct-17	10-Oct-17	100%	0%	-43																													
A50340	Rebar fixing of 2/F Slab & Beam @GL H-E	3	11-Oct-17	13-Oct-17	11-Oct-17	13-Oct-17	100%	0%	-43																													
A50350	Formworks of 2/F Slab & Beam @GL H-E	2	14-Oct-17	16-Oct-17	14-Oct-17	16-Oct-17	100%	0%	-43																													
A50360	Concreting 2/F Slab & Beam @GL H-E	1	17-Oct-17	17-Oct-17	17-Oct-17	17-Oct-17	100%	0%	-43																													
A50370	Concrete Curing 2/F Slab & Beam @GL H-E	3	18-Oct-17	20-Oct-17	18-Oct-17	20-Oct-17	100%	0%	-53																													
Area of Modular Towers																																						
A57580	Scaffolding for 2/F Slab & Beam @GL L-H	3	17-Oct-17	19-Oct-17	17-Oct-17	19-Oct-17	100%	0%	-43																													
A57590	Rebar fixing of 2/F Slab & Beam @GL L-H	3	23-Oct-17	25-Oct-17	23-Oct-17	25-Oct-17	100%	0%	-43																													
A57600	Formworks of 2/F Slab & Beam @GL L-H	2	20-Oct-17	21-Oct-17	20-Oct-17	21-Oct-17	100%	0%	-43																													
A57610	Concreting 2/F Slab & Beam @GL L-H	1	26-Oct-17	26-Oct-17	26-Oct-17	26-Oct-17	100%	0%	-43																													
A57620	Concrete Curing 2/F Slab & Beam @GL L-H	3	27-Oct-17	29-Oct-17	27-Oct-17	29-Oct-17	100%	0%	-52																													
A57630	Scaffolding for 2/F Slab & Beam @GL H-E	3	20-Oct-17	23-Oct-17	20-Oct-17	23-Oct-17	100%	0%	-43																													
A57640	Rebar fixing of 2/F Slab & Beam @GL H-E	3	26-Oct-17	30-Oct-17	26-Oct-17	30-Oct-17	100%	0%	-43																													
A57650	Formworks of 2/F Slab & Beam @GL H-E	2	24-Oct-17	25-Oct-17	24-Oct-17	25-Oct-17	100%	0%	-43																													
A57660	Concreting 2/F Slab & Beam @GL H-E	1	31-Oct-17	31-Oct-17	31-Oct-17	31-Oct-17	100%	0%	-43																													
A57670	Concrete Curing 2/F Slab & Beam @GL H-E	3	01-Nov-17	03-Nov-17	01-Nov-17	03-Nov-17	100%	0%	-54																													
RC Works for 3/F Beams (2 nos.)																																						
A18110	Falseworks for 3/F Beams RC Works @GL L-H	5	16-Oct-17	20-Oct-17	16-Oct-17	20-Oct-17	100%	0%	-41																													
A18115	Rebar fixing of 3/F Beams @GL L-H	3	21-Oct-17	24-Oct-17	21-Oct-17	24-Oct-17	100%	0%	-41																													
A18120	Formworks of 3/F Beams @GL L-H	3	25-Oct-17	27-Oct-17	25-Oct-17	27-Oct-17	100%	0%	-41																													
A18130	Concreting 3/F Beams @GL L-H	1	30-Oct-17	30-Oct-17	30-Oct-17	30-Oct-17	100%	0%	-41																													
A18140	Concrete Curing 3/F Beams @GL L-H	5	31-Oct-17	04-Nov-17	31-Oct-17	04-Nov-17	100%	0%	-52																													

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January	
										24					25					26					27					28	
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08		
A51970	1st Submission - Review & Approval by MJV	14	11-Apr-17	24-Apr-17	11-Apr-17 A	11-Sep-17 A	100%	100%	-111																						
A51980	2nd Submission	6	01-Oct-17	06-Oct-17	01-Oct-17	06-Oct-17	100%	0%	-130																						
A51990	2nd Submission - Review & Approval by MJV (w/ RSE Endorsement)	13	07-Oct-17	19-Oct-17	07-Oct-17	19-Oct-17	100%	0%	-129																						
A52000	Glass Wall with Ceramic & Precast Concrete Mullion - Submission to BD	0		19-Oct-17		19-Oct-17	100%	0%	-108																						
A52010	Glass Wall with Ceramic & Precast Concrete Mullion - BD Approval	59	20-Oct-17	17-Dec-17	20-Oct-17	17-Dec-17	100%	0%	-128																						
A52020	Glass Wall with Ceramic & Precast Concrete Mullion - Concent	30	18-Dec-17	16-Jan-18	18-Dec-17	16-Jan-18	100%	0%	-128																						
SHOPDRAWING SUBMISSIONS - FACADE DOORS																															
Facade Doors Package #1 - Glazed door between Ceramic Concrete Mullion - Total No. of Doors = 53																															
A52120	1st Shopdrawing Submission	67	01-Oct-17	06-Dec-17	01-Oct-17*	06-Dec-17	100%	0%	-134																						
A52130	1st Shopdrawing Submission - Review & Approval	21	07-Dec-17	27-Dec-17	07-Dec-17	27-Dec-17	100%	0%	-134																						
A52140	2nd Shopdrawing Submission	14	28-Dec-17	10-Jan-18	28-Dec-17	10-Jan-18	100%	0%	-134																						
A52160	2nd Shopdrawing Submission - Review & Approval	21	11-Jan-18	31-Jan-18	11-Jan-18	31-Jan-18	100%	0%	-134																						
Facade Doors Package #2 - Sliding door at L3 Storefront - Total No. of Doors = 4																															
A52170	1st Shopdrawing Submission	67	01-Oct-17	06-Dec-17	01-Oct-17*	06-Dec-17	100%	0%	-134																						
A52180	1st Shopdrawing Submission - Review & Approval	21	07-Dec-17	27-Dec-17	07-Dec-17	27-Dec-17	100%	0%	-134																						
A52190	2nd Shopdrawing Submission	14	28-Dec-17	10-Jan-18	28-Dec-17	10-Jan-18	100%	0%	-134																						
A52200	2nd Shopdrawing - Review & Approval	21	11-Jan-18	31-Jan-18	11-Jan-18	31-Jan-18	100%	0%	-134																						
Facade Doors Package #3 - Swing Door at L3 Cafe- Total No. of Doors = 1																															
A52210	1st Shopdrawing Submission	74	01-Oct-17	13-Dec-17	01-Oct-17*	13-Dec-17	100%	0%	-134																						
A52220	1st Shopdrawing Submission - Review & Approval	21	14-Dec-17	03-Jan-18	14-Dec-17	03-Jan-18	100%	0%	-134																						
A52230	2nd Shopdrawing Submission	14	04-Jan-18	17-Jan-18	04-Jan-18	17-Jan-18	100%	0%	-134																						
A52250	2nd Shopdrawing Submission - Review & Approval	21	18-Jan-18	07-Feb-18	18-Jan-18	07-Feb-18	100%	0%	-134																						
Facade Doors Package #4 - Swing Door mounted in GW with T Mullion - Total No. of Doors = 29																															
A52260	1st Shopdrawing Submission	74	01-Oct-17	13-Dec-17	01-Oct-17*	13-Dec-17	100%	0%	-134																						
A52270	1st Shopdrawing Submission - Review & Approval	21	14-Dec-17	03-Jan-18	14-Dec-17	03-Jan-18	100%	0%	-134																						
A52280	2nd Shopdrawing Submission	14	04-Jan-18	17-Jan-18	04-Jan-18	17-Jan-18	100%	0%	-134																						
A52290	2nd Shopdrawing Submission - Review & Approval	21	18-Jan-18	07-Feb-18	18-Jan-18	07-Feb-18	100%	0%	-134																						
Facade Doors Package #5 - Large double door at B1 Transformer Room - Total No. of Doors = 1																															
A52300	1st Shopdrawing Submission	81	01-Oct-17	20-Dec-17	01-Oct-17*	20-Dec-17	100%	0%	-134																						
A52310	1st Shopdrawing Submission - Review & Approval	21	21-Dec-17	10-Jan-18	21-Dec-17	10-Jan-18	100%	0%	-134																						
A52320	2nd Shopdrawing Submission	14	11-Jan-18	24-Jan-18	11-Jan-18	24-Jan-18	100%	0%	-134																						
A52340	2nd Shopdrawing Submission - Review & Approval	21	25-Jan-18	14-Feb-18	25-Jan-18	14-Feb-18	85.71%	0%	-134																						
Facade Doors Package #6 - B1 Exit Door - Total No. of Doors = 7 (7 x Manual)																															
A52350	1st Shopdrawing Submission	81	01-Oct-17	20-Dec-17	01-Oct-17*	20-Dec-17	100%	0%	-134																						
A52360	1st Shopdrawing Submission - Review & Approval	21	21-Dec-17	10-Jan-18	21-Dec-17	10-Jan-18	100%	0%	-134																						
A52370	2nd Shopdrawing Submission	14	11-Jan-18	24-Jan-18	11-Jan-18	24-Jan-18	100%	0%	-134																						
A52380	2nd Shopdrawing Submission - Review & Approval	21	25-Jan-18	14-Feb-18	25-Jan-18	14-Feb-18	85.71%	0%	-134																						
Facade Doors Package #7 - Garden Gallery Door - Total No.of Doors = 2 (2 x Manual)																															
A52390	1st Shopdrawing Submission	88	01-Oct-17	27-Dec-17	01-Oct-17*	27-Dec-17	100%	0%	-134																						
A52400	1st Shopdrawing Submission - Review & Approval	21	28-Dec-17	17-Jan-18	28-Dec-17	17-Jan-18	100%	0%	-134																						
A52410	2nd Shopdrawing Submission	14	18-Jan-18	31-Jan-18	18-Jan-18	31-Jan-18	100%	0%	-134																						
A52430	2nd Shopdrawing Submission - Review & Approval	21	01-Feb-18	21-Feb-18	01-Feb-18	21-Feb-18	52.38%	0%	-134																						
Facade Doors Package #8 - Doors located in Metal Cladding - Total No.of Doors =20 (20 x Manual)																															
A52440	1st Shopdrawing Submission	88	01-Oct-17	27-Dec-17	01-Oct-17*	27-Dec-17	100%	0%	-134																						
A52450	1st Shopdrawing Submission - Review & Approval	21	28-Dec-17	17-Jan-18	28-Dec-17	17-Jan-18	100%	0%	-134																						
A52460	2nd Shopdrawing Submission	14	18-Jan-18	31-Jan-18	18-Jan-18	31-Jan-18	100%	0%	-134																						

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										24					25					26					27					28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08				
CW Glazed Panel Production & Fabrication																																	
A54860	Fabrication & Assemble of Curtain Wall Unit	203	17-Nov-17	27-Jul-18	17-Nov-17	27-Jul-18	32.02%	0%	-102																								
A54910	Aluminium Extrusion Production	201	16-Jun-17	13-Feb-18	19-Jun-17 A	28-Feb-18	56.22%	40%	-32																								
A54920	Application of PVF2 Coating	170	03-Oct-17	03-May-18	03-Oct-17	03-May-18	45.03%	0%	-76																								
Terracotta Production																																	
A54940	Terracotta Production - Tower (Bulk)	222	17-Mar-17	13-Dec-17	17-Mar-17 A	26-Mar-18	66.39%	36%	-60																								
A54950	Delivery to Precast Factory	212	16-Jun-17	01-Mar-18	22-Jun-17 A	03-May-18	51.42%	28%	-67																								
Precast Concrete Facade																																	
A54960	Precast Concrete Mould Making	215	02-Sep-17	28-May-18	16-Apr-17 A	03-May-18	48.84%	95%	-60																								
A54970	Concreting of Precast Concrete	190	02-Dec-17	27-Jul-18	02-Dec-17	27-Jul-18	27.37%	0%	-102																								
A54980	Assemble of Curtain Wall to Precast Facade	191	15-Dec-17	10-Aug-18	15-Dec-17	10-Aug-18	21.47%	0%	-102																								
A54990	Inspection, Packing & Delivery to Site - Tower Facade	191	27-Dec-17	20-Aug-18	27-Dec-17	20-Aug-18	17.28%	0%	-102																								
A55000	Precast Panel 1st Delivery to Site - Tower	0	02-Jan-18		02-Jan-18		0%	0%	-21	◆ Precast																							
01B Tower Lighting (Bulk)																																	
Procurement & Production (3F to Roof) & Shipment																																	
A55020	Production - Tower Lighting Bar	189	18-Apr-17	01-Dec-17	16-Apr-17 A	12-Jan-18	100%	56.08%	-100																								
CW Glazed Panel Production & Fabrication																																	
A10000	IQC Inspection	189	19-Oct-17	11-Jun-18	19-Oct-17	11-Jun-18	52.63%	0%	-112																								
A10010	OQC Inspection	189	30-Oct-17	21-Jun-18	30-Oct-17	21-Jun-18	48.42%	0%	-112																								
A55030	Delivery & Assembly	199	03-Oct-17	07-Jun-18	03-Oct-17	07-Jun-18	56.5%	0%	-112																								
02 Podium Facade PC + CW (Bulk)																																	
A54470	Production & Fabrication - Precast Panel for Podium	262	12-Nov-16	31-Jul-17	12-Nov-16 A	15-Apr-18	81.16%	25%	-122																								
A54480	1st Delivery to Site - Precast Panel for Podium	0	16-Apr-18		16-Apr-18		0%	0%	-94	◆																							
Glass Production & Fabrication																																	
A10020	Ordering of Coated Glass	106	12-Nov-16	22-Mar-17	12-Nov-16 A	10-Nov-17	100%	70%	-108																								
A10030	Fabrication of Insulated Glass Panel	166	11-Nov-17	06-Jun-18	11-Nov-17	06-Jun-18	45.78%	0%	-108																								
CW Glazed Panel Production & Fabrication																																	
A10040	Die Making - Bulk Production	46	17-Feb-17	12-Apr-17	17-Feb-17 A	11-Oct-17	100%	85%	-113																								
A10050	Aluminium Extrusion Production	139	12-Oct-17	03-Apr-18	12-Oct-17	03-Apr-18	75.71%	0%	-112																								
A10060	Application of PVF2 Coating	156	25-Oct-17	08-May-18	25-Oct-17	08-May-18	60.51%	0%	-112																								
A10070	Fabrication & Assemble of Curtain Wall Unit	157	22-Nov-17	06-Jun-18	22-Nov-17	06-Jun-18	42.68%	0%	-108																								
Terracotta Production																																	
A10100	Terracotta Production - Tower (Bulk)	165	24-Apr-17	09-Nov-17	24-Apr-17 A	03-Apr-18	74.86%	11%	-101																								
A10160	Delivery of Terracotta to Precast Factory from Italy (by ship)	131	08-Jul-17	11-Dec-17	22-Jun-17 A	15-Feb-18	55.73%	14%	-54																								
A10170	1st Lot Arrived (By Ship) Podium Bulk to Precast Concrete Factory in Ch	0	03-Oct-17		03-Oct-17		100%	0%	-37	◆ 1st Lot Arrived (By Ship) Podium Bulk to Precast Concrete Factory in China, 03-Oct-17																							
Precast Concrete Facade																																	
A10110	Precast Concrete Mould Making	153	19-Jun-17	18-Dec-17	19-Jun-17 A	15-Feb-18	58.17%	95%	-48																								
A10130	Assemble of Curtain Wall to Precast Facade	116	27-Jan-18	22-Jun-18	27-Jan-18	22-Jun-18	11.21%	0%	-108																								
A10140	Inspection, Packing & Delivery to Site - Podium Facade	116	10-Feb-18	07-Jul-18	10-Feb-18	07-Jul-18	0.86%	0%	-108																								
A10150	Precast Panel 1st Delivery to Site - Podium	0	16-Apr-18		16-Apr-18		0%	0%	-94	◆																							
A10180	Curing of 1st Lot	6	20-Jan-18	26-Jan-18	20-Jan-18	26-Jan-18	100%	0%	-108																								
03 GW with T Mullion (Kinked & Straight B1F to GF) (Bulk)																																	
A54490	Production & Fabrication - GW with T Mullion (Kinked & Straight B1F t	187	04-Dec-17	09-Jun-18	04-Dec-17	09-Jun-18	31.02%	0%	-122																								
Glass Production & Fabrication																																	
A10190	Coated Glass Production	94	04-Dec-17	29-Mar-18	04-Dec-17	29-Mar-18	53.19%	0%	-101																								
A10200	Fabrication of Insulated Glass Panel	75	03-Apr-18	04-Jul-18	03-Apr-18	04-Jul-18	0%	0%	-101																								

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										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
Alum Section Production & Fabrication																																						
A10210	Die Making - Bulk Production	38	27-Jan-18	15-Mar-18	27-Jan-18	15-Mar-18	15.79%	0%	-101																													
A10220	Aluminium Extrusion Production	38	16-Mar-18	04-May-18	16-Mar-18	04-May-18	0%	0%	-101																													
A10230	Application of PVF2 Coating	6	05-May-18	11-May-18	05-May-18	11-May-18	0%	0%	-101																													
T Painted GMS Mullion, Transom & Brackets																																						
A10250	GMS Fabrication	122	03-Feb-18	07-Jul-18	03-Feb-18	07-Jul-18	0%	0%	-101																													
04A GW with PC Mullion at 2F Courtyard (Bulk)																																						
A54520	Production & Fabrication - GW with PC Mullion at 2F Courtyard	200	16-Feb-18	03-Sep-18	16-Feb-18	03-Sep-18	0%	0%	-128																													
Glass Production & Fabrication																																						
A10310	Coated Glass Production	79	02-May-18	04-Aug-18	02-May-18	04-Aug-18	0%	0%	-99																													
Alum Frame Production & Fabrication																																						
A10340	Die Making - Bulk Production	60	20-Feb-18	05-May-18	20-Feb-18	05-May-18	0%	0%	-106																													
A10350	Aluminium Extrusion Production	45	27-Mar-18	24-May-18	27-Mar-18	24-May-18	0%	0%	-106																													
04B GW with Ceramic Mullion (GF & 1F) (Bulk)																																						
A54540	Production & Fabrication - GW with Ceramic Mullion (GF & 1F)	200	01-Oct-17	18-Apr-18	01-Oct-17*	18-Apr-18	62.04%	0%	-118																													
A54550	1st Delivery to Site - GW with Ceramic Mullion - West	0	23-Apr-18		23-Apr-18		0%	0%	-122																													
Glass Production & Fabrication																																						
A10460	Coated Glass Production	75	03-Oct-17	03-Jan-18	03-Oct-17	03-Jan-18	100%	0%	-113																													
Alum Frame Production & Fabrication																																						
A10480	Die Making - Bulk Production	38	31-Jul-17	12-Sep-17	31-Jul-17 A	13-Nov-17	100%	10%	-72																													
A10490	Aluminium Extrusion Production	38	14-Nov-17	29-Dec-17	14-Nov-17	29-Dec-17	100%	0%	-72																													
A10500	Application of PVF2 Coating	6	30-Dec-17	06-Jan-18	30-Dec-17	06-Jan-18	0%	0%	-72																													
A10510	Fabrication of Aluminium Frame to Site	37	08-Jan-18	22-Feb-18	08-Jan-18	22-Feb-18	0%	0%	-72																													
Terracotta Production																																						
A10550	Die Making - Bulk Production	50	08-Jul-17	04-Sep-17	08-Jul-17 A	24-Nov-17	100%	11%	-89																													
A10560	Terracotta Production (Bulk)	75	25-Nov-17	27-Feb-18	25-Nov-17	27-Feb-18	60%	0%	-89																													
A10570	Application of PVF2 Coating	75	27-Dec-17	28-Mar-18	27-Dec-17	28-Mar-18	26.67%	0%	-89																													
Precast Concrete Facade Die Making																																						
A10580	Precast Concrete Mould Making	27	24-Jan-18	27-Feb-18	24-Jan-18	27-Feb-18	77.78%	0%	-113																													
A10590	Aluminium Extrusion Production	97	28-Feb-18	28-Jun-18	28-Feb-18	28-Jun-18	0%	0%	-113																													
A10600	Curing of 1st Lot	5	28-Feb-18	05-Mar-18	28-Feb-18	05-Mar-18	0%	0%	-108																													
Precast Concrete Facade																																						
A10520	Assemble of Alum Section to Precast Mullion	97	07-Mar-18	06-Jul-18	07-Mar-18	06-Jul-18	0%	0%	-108																													
A10530	Delivery of Precast Concrete to Site	126	21-Mar-18	23-Aug-18	21-Mar-18	23-Aug-18	0%	0%	-108																													
A10540	1st Delivery to Site - West	0	23-Apr-18		23-Apr-18		0%	0%	-122																													
05 Ceramic Concrete Tubes & Perforated Cladding (Bulk)																																						
A54600	Production & Fabrication - Ceramic Concrete Tubes & Perforated Claddi	215	01-Oct-17	03-May-18	01-Oct-17	03-May-18	58.52%	0%	-120																													
Alum Frame Production & Fabrication																																						
A10640	Die Making - Bulk Production	72	13-Nov-17	07-Feb-18	13-Nov-17	07-Feb-18	100%	0%	-109																													
A10650	Aluminium Extrusion Production	50	08-Feb-18	14-Apr-18	08-Feb-18	14-Apr-18	8%	0%	-109																													
A10660	Application of PVF2 Coating	5	16-Apr-18	20-Apr-18	16-Apr-18	20-Apr-18	0%	0%	-109																													
A10670	Fabrication of Aluminium Frame to Site	43	21-Apr-18	12-Jun-18	21-Apr-18	12-Jun-18	0%	0%	-101																													
Terracotta Production																																						
A10680	Die Making - Bulk Production	77	03-Oct-17	05-Jan-18	03-Oct-17	05-Jan-18	100%	0%	-113																													
A10690	Terracotta Production (Bulk)	75	06-Jan-18	11-Apr-18	06-Jan-18	11-Apr-18	48%	0%	-113																													
A10700	Application of PVF2 Coating	62	21-Feb-18	09-May-18	21-Feb-18	09-May-18	0%	0%	-113																													

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December				January		
										24					25				26				27				28		
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08
A19070	Aluminium Extrusion Production	90	03-Oct-17	20-Jan-18	03-Oct-17	20-Jan-18	100%	0%	-91																				
A19080	Aluminium Frame Production	51	22-Jan-18	24-Mar-18	22-Jan-18	24-Mar-18	1.96%	0%	-91																				
A19090	PVF2 Paint Ordering	59	12-Jan-18	24-Mar-18	12-Jan-18	24-Mar-18	15.25%	0%	-91																				
A19100	Application of PVF2 Coating	6	26-Mar-18	04-Apr-18	26-Mar-18	04-Apr-18	0%	0%	-91																				
A19110	Fabrication and Assemble of Glazed Units	42	06-Apr-18	26-May-18	06-Apr-18	26-May-18	0%	0%	-91																				
M+ Podium Glass Wall & Skylight (By RedLand, Permasteelisa)																													
(By Permasteelisa) Preliminary Works																													
A41110	Handover of Working Areas @ Zone A & provide reference line	0		25-Nov-17		25-Nov-17	100%	0%	-80																				
A41120	Surveying for Embeds	60	27-Nov-17	07-Feb-18	27-Nov-17	07-Feb-18	58.33%	0%	-80																				
A41130	Submission of Embeds Survey Report	60	14-Dec-17	28-Feb-18	14-Dec-17	28-Feb-18	33.33%	0%	-80																				
B1/F to G/F Level																													
(By Redland) Precast Concrete Panel																													
A41140	Handover Zone A - B1/F Working Areas	0		25-Nov-17		25-Nov-17	100%	0%	-80																				
(By Permasteelisa) Glass Wall with T Mullion																													
Zone A																													
A41160	Handover Zone A - B1/F Working Areas	0		25-Nov-17		25-Nov-17	100%	0%	-80																				
Zone J & H																													
A46130	Handover Zone J & H - B1/F Working Areas	0		09-Mar-18		09-Mar-18	0%	0%	-65																				
A46140	Install Additional Metal Cladding (FAC-ME-01, 02) @ GL 12-14 / A	12	10-Mar-18	23-Mar-18	10-Mar-18	23-Mar-18	0%	0%	-65																				
G/F to 1/F Level																													
(By Redland) Precast Concrete Panel																													
A41190	Handover Zone A - G/F Working Areas	0		25-Nov-17		25-Nov-17	100%	0%	-80																				
A41200	G/F - Install PC Tubes with MEP Louvers (FAC-PC-01) @ GL 3-7 / A	30	23-Apr-18	29-May-18	23-Apr-18	29-May-18	0%	0%	-94																				
(By Permasteelisa) Glass Window with Ceramic/Precast Concrete/AL Panel																													
Zone A																													
A41240	Install Ceramic Tube @ GL 3/D-E (FAC-CE-02a)	12	23-Apr-18	07-May-18	23-Apr-18	07-May-18	0%	0%	-94																				
A41260	Handover Zone A - G/F Working Area	0		25-Nov-17		25-Nov-17	100%	0%	-80																				
Zone H																													
A46310	Handover Zone H - G/F Working Area	0		31-Jan-18		31-Jan-18	0%	0%	-68																				
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		25-Nov-17		25-Nov-17	100%	0%	-80																				
A46690	Install Ceramic Tube @ GL 3/D-E (FAC-CE-02a)	12	23-Apr-18	07-May-18	23-Apr-18	07-May-18	0%	0%	-94																				
Zone H																													
A46620	Handover Zone H - 1/F Working Area	0		31-Jan-18		31-Jan-18	0%	0%	-68																				
3/F Roof Level																													
(By Permasteelisa) Skylight/Ceramic Cladding/Storefront																													
Zone Q, B & D																													
A47510	Handover Zone Q - 3/F Working Area	0		30-Jan-18		30-Jan-18	0%	0%	-40																				
A47530	Handover Zone B - 3/F Working Area	0		06-Feb-18		06-Feb-18	0%	0%	-40																				
Zone M, F & N																													
A47370	Install L3 Storefront @ GL 7-8/B-E (FAC-CW-08a,08b)	25	05-May-18	04-Jun-18	05-May-18	04-Jun-18	0%	0%	-107																				
A47590	Handover Zone M - 3/F Working Area	0		31-Oct-17		31-Oct-17	0%	0%	1																				
A47600	Handover Zone N - 3/F Working Area	0		14-Oct-17		14-Oct-17	100%	0%	-51																				
A47610	Handover Zone F - 3/F Working Area	0		11-Nov-17		11-Nov-17	100%	0%	-39																				

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January								
										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
A49480	Concrete Curing period (2-weeks)	12	05-Nov-17	16-Nov-17	05-Nov-17	16-Nov-17	100%	0%	-85																													
A49490	Remove scaffolds & cleaning	6	17-Nov-17	23-Nov-17	17-Nov-17	23-Nov-17	100%	0%	-70																													
Portion GFR7 @ Grid Line A to B' / 6' to 7'																																						
A49510	Construct Columns & Walls & Cols B1/F to G/F @ GL A'-C' / 6'-7'	14	02-May-17	18-May-17	01-May-17 A	30-Sep-17 A	100%	100%	-102																													
A49520	Construct beams & slab (G/F) (132 m3)	14	25-Sep-17	12-Oct-17	09-Sep-17 A	11-Oct-17	100%	20%	-95																													
A49530	Concrete Curing period (2-weeks)	12	12-Oct-17	23-Oct-17	12-Oct-17	23-Oct-17	100%	0%	-114																													
A49540	Remove scaffolds & cleaning	6	24-Oct-17	31-Oct-17	24-Oct-17	31-Oct-17	100%	0%	-95																													
Portion GFR8 @ Grid Line A to B' / 7' to 2																																						
A49640	Construct Columns & Walls & Cols B1/F to G/F @ GL A-A' / 6'-7'	14	07-Jul-17	22-Jul-17	19-Jun-17 A	23-Sep-17 A	100%	100%	-82																													
A49650	Construct beams & slab (G/F) (186 m3)	18	15-Aug-17	05-Sep-17	29-Jul-17 A	12-Oct-17	100%	30%	-78																													
A49660	Concrete Curing period (2-weeks)	12	13-Oct-17	24-Oct-17	13-Oct-17	24-Oct-17	100%	0%	-93																													
A49670	Remove scaffolds & cleaning	6	27-Dec-17	03-Jan-18	27-Dec-17	03-Jan-18	100%	0%	-75																													
North Zoning @ Portion - S (B1/F to G/F)																																						
Portion GFS2 @ Grid Line A / 6' to 1																																						
A49750	Construct beams & slab (G/F) (128 m3)	16	02-Sep-17	21-Sep-17	30-Aug-17 A	18-Oct-17	100%	35%	-96																													
A49760	Concrete Curing period (2-weeks)	3	19-Oct-17	21-Oct-17	19-Oct-17	21-Oct-17	100%	0%	-107																													
A49770	Remove scaffolds & cleaning	6	23-Oct-17	30-Oct-17	23-Oct-17	30-Oct-17	100%	0%	-90																													
CSF Zoning @ Portion - T (LG/F to G/F)																																						
Portion GFT2 (LG/F to G/F) @ Grid Line D' to F' / 3' to 5'																																						
A49880	Remove scaffolds & cleaning	5	30-Jun-17	06-Jul-17	23-Jun-17 A	11-Sep-17 A	100%	100%	-90																													
Portion GFT3 (LG/F to G/F) @ Grid Line D' to G' / 5' to 6'																																						
A49920	Remove scaffolds & cleaning	5	30-Jun-17	06-Jul-17	24-Jun-17 A	11-Sep-17 A	100%	100%	-90																													
Portion GFT4 (LG/F to G/F) @ Grid Line B' to D' / 3' to 6'																																						
A49960	Remove scaffolds & cleaning	6	07-Jul-17	13-Jul-17	24-Jun-17 A	11-Sep-17 A	100%	100%	-78																													
Portion GFT5 (B1/F to G/F) @ Grid Line A to B' / 4' to 6'																																						
A50040	Construct beams & slab (G/F) (216 m3)	18	24-Jun-17	15-Jul-17	17-Jun-17 A	13-Sep-17 A	100%	100%	-71																													
A50050	Concrete Curing period (2-weeks)	13	19-Sep-17	02-Oct-17	14-Sep-17 A	21-Sep-17 A	100%	100%	-80																													
A50060	Remove scaffolds & cleaning	4	25-Sep-17	28-Sep-17	22-Sep-17 A	04-Oct-17	100%	60%	-75																													
CSF Super-Structure RC Works																																						
CSF Building																																						
CSF Structure @ Portion - T (G/F to 8/F)																																						
Grid Line B' to F' / 4' to 6'																																						
A50720	CSF - 1/F to 2/F Construction	21	08-Jul-17	01-Aug-17	04-Jul-17 A	23-Sep-17 A	100%	100%	-73																													
A50730	CSF - 2/F to 3/F Construction	12	15-Sep-17	29-Sep-17	01-Sep-17 A	31-Oct-17	100%	20%	-87																													
A50750	CSF - 3/F to 4/F Construction (Incl envelope)	11	01-Nov-17	13-Nov-17	01-Nov-17	13-Nov-17	100%	0%	-86																													
A50760	CSF - 4/F to 5/F Construction (Incl envelope)	11	14-Nov-17	25-Nov-17	14-Nov-17	25-Nov-17	100%	0%	-85																													
A50770	CSF - 5/F to 6/F Construction (Incl envelope)	11	27-Nov-17	08-Dec-17	27-Nov-17	08-Dec-17	100%	0%	-84																													
A50780	CSF - 6/F to 7/F Construction	11	09-Dec-17	21-Dec-17	09-Dec-17	21-Dec-17	100%	0%	-83																													
A50790	CSF - 7/F to 8/F Construction	12	22-Dec-17	08-Jan-18	22-Dec-17	08-Jan-18	100%	0%	-83																													
A50795	CSF - 8/F to +61.13/62.0 Construction	12	09-Jan-18	22-Jan-18	09-Jan-18	22-Jan-18	33.33%	0%	-83																													
A50800	CSF - 8/F to R/F Construction	22	23-Jan-18	20-Feb-18	23-Jan-18	20-Feb-18	0%	0%	-81																													
A50810	Complete CSF Structure (Milestone B7: 31 July 2017)	0		20-Feb-18		20-Feb-18	0%	0%	-87																													
A50815	CSF - 8/F to R/F Construction	24	21-Mar-18	21-Apr-18	21-Mar-18	21-Apr-18	0%	0%	-81																													
CSF Building Temporary Works																																						
CF10910	Material Hoist Erection (Initial)(LT-53 Shaft)	8	14-Nov-17	22-Nov-17	14-Nov-17	22-Nov-17	100%	0%	-89																													
CF10920	Material Hoist Removal	4	02-Oct-17	05-Oct-17	02-Oct-17	05-Oct-17	100%	0%	-115																													

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January								
										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
A19630	PVF2 Paint Ordering	51	10-Apr-17	14-Jun-17	10-Apr-17 A	14-Nov-17	100%	30%	-105																													
A19640	Application of PVF2 Coating	18	15-Nov-17	05-Dec-17	15-Nov-17	05-Dec-17	100%	0%	-105																													
A19650	Steel Frame Fabrication - Roof Louvre	74	09-Jan-18	12-Apr-18	09-Jan-18	12-Apr-18	35.14%	0%	-105																													
A19660	Fabrication & Assemble of Glazed Units	18	13-Apr-18	04-May-18	13-Apr-18	04-May-18	0%	0%	-96																													
Roof Louvre Wall Production & Fabrication																																						
A19680	Steel Frame Fabrication - Roof Louvre	120	13-Nov-17	12-Apr-18	13-Nov-17	12-Apr-18	40.83%	0%	-82																													
A19690	Die Making	60	13-Nov-17	24-Jan-18	13-Nov-17	24-Jan-18	81.67%	0%	-82																													
A19700	Aluminium Extrusion Production	30	25-Jan-18	03-Mar-18	25-Jan-18	03-Mar-18	0%	0%	-82																													
A19710	PVF2 Paint Ordering	30	25-Jan-18	03-Mar-18	25-Jan-18	03-Mar-18	0%	0%	-82																													
A19720	Application of PVF2 Coating	10	05-Mar-18	15-Mar-18	05-Mar-18	15-Mar-18	0%	0%	-80																													
A19730	Fabrication & Assemble of Louvre Units	52	16-Mar-18	21-May-18	16-Mar-18	21-May-18	0%	0%	-72																													
CSF External Envelope																																						
CSF Structure Milestones																																						
A19820	CSF - Wall, Column & G/F to 1/F Slab Complete	0		30-Sep-17		30-Sep-17	100%	0%	-101																													
A19830	CSF - Wall, Column & 6/F to 7/F Slab Complete	0		21-Dec-17		21-Dec-17	100%	0%	-86																													
A19840	CSF - Wall, Column & 7/F to 8/F Slab Complete	0		08-Jan-18		08-Jan-18	100%	0%	-89																													
A19850	CSF - Wall, Column & R/F Slab Complete	0		20-Feb-18		20-Feb-18	0%	0%	-87																													
FACADE INSTALLATION - by Permasteelisa																																						
Glazed Glass Curtain Wall - North Elevation 6/F to 8/F																																						
A19860	Handover of Working Area (6/F to 8/F)	0		08-Jan-18		08-Jan-18	100%	0%	-89																													
A19870	Surveying of Embeds (6/F to 8/F)	7	09-Jan-18	16-Jan-18	09-Jan-18	16-Jan-18	57.14%	0%	-89																													
A19880	Submission of Embeds survey report (6/F to 8/F)	7	17-Jan-18	24-Jan-18	17-Jan-18	24-Jan-18	0%	0%	-89																													
A19890	Preparation of Remedial Method (6/F to 8/F)	14	25-Jan-18	09-Feb-18	25-Jan-18	09-Feb-18	0%	0%	-89																													
A19900	Approval of Remedial Method (6/F to 8/F)	14	10-Feb-18	26-Feb-18	10-Feb-18	26-Feb-18	0%	0%	-89																													
A19910	Bracket Installation (6/F to 8/F)	24	27-Feb-18	26-Mar-18	27-Feb-18	26-Mar-18	0%	0%	-89																													
Glazed Glass Curtain Wall - South Elevation																																						
A19950	Handover of Working Area (G/F)	0		30-Sep-17		30-Sep-17	100%	0%	-101																													
A19960	Surveying of Embeds (G/F to 1/F)	7	01-Jul-17	08-Jul-17	19-Jun-17 A	06-Oct-17	100%	15%	-99																													
A19970	Submission of Embeds survey report (G/F to 1/F)	7	10-Jul-17	17-Jul-17	19-Jun-17 A	09-Oct-17	100%	0%	-94																													
A19980	Preparation of Remedial Method (G/F to 1/F)	14	10-Oct-17	25-Oct-17	10-Oct-17	25-Oct-17	100%	0%	-94																													
A19990	Approval of Remedial Method (G/F to 1/F)	14	26-Oct-17	10-Nov-17	26-Oct-17	10-Nov-17	100%	0%	-94																													
A20000	Bracket Installation (G/F to 1/F)	14	11-Nov-17	27-Nov-17	11-Nov-17	27-Nov-17	100%	0%	-94																													
A20020	Handover of Working Area (6/F to R/F)	0		20-Feb-18		20-Feb-18	0%	0%	-87																													
A20030	Surveying of Embeds (6/F to R/F)	14	21-Feb-18	08-Mar-18	21-Feb-18	08-Mar-18	0%	0%	-87																													
A20040	Submission of Embeds survey report (6/F to R/F)	7	09-Mar-18	16-Mar-18	09-Mar-18	16-Mar-18	0%	0%	-87																													
A20050	Preparation of Remedial Method (6/F to R/F)	14	17-Mar-18	02-Apr-18	17-Mar-18	02-Apr-18	0%	0%	-87																													
A20060	Approval of Remedial Method (6/F to R/F)	14	03-Apr-18	18-Apr-18	03-Apr-18	18-Apr-18	0%	0%	-87																													
MEP Vertical Louvre Screen Wall - South Elevation (East to West)																																						
A20140	Handover of Working Area (R/F, GL 4'-5' / B'-F')	0		06-Mar-18		06-Mar-18	0%	0%	-85																													
A20150	Surveying of Embeds (R/F, GL 4'-5' / B' - F')	18	07-Mar-18	27-Mar-18	07-Mar-18	27-Mar-18	0%	0%	-85																													
A20160	Submission of Embeds survey report (R/F, GL 4'-5' / B'-F')	21	13-Mar-18	05-Apr-18	13-Mar-18	05-Apr-18	0%	0%	-85																													
A20170	Preparation of Remedial Method (R/F, GL 4'-5' / B'-F')	12	06-Apr-18	19-Apr-18	06-Apr-18	19-Apr-18	0%	0%	-85																													
FACADE INSTALLATION - by Redland																																						
PreCast Concrete Roof Cladding - South Elevation																																						
A20220	R/F (GL B'- F') - Install Precast Concrete Roof Cladding (FAC-PC-04)	36	09-Mar-18	19-Apr-18	09-Mar-18	19-Apr-18	0%	0%	-87																													
RDE Super-Structure RC Works																																						

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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										24					25				26				27				28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	
RDE Building																														
RDE Structure @ Portion - U (G/F to 15M/F)																														
Block A Grid Line G' to J' / 1' to 6'																														
A50840	RDE - Walls, Columns & 1/F Slab - Zone B	50	29-Mar-17	02-Jun-17	29-Mar-17 A	13-Sep-17 A	100%	100%	-78																					
A50845	RDE - Walls, Columns & 1/F Slab - Zone A	50	18-Apr-17	17-Jun-17	14-Apr-17 A	13-Sep-17 A	100%	100%	-69																					
A50850	RDE - Walls, Columns & 2/F Slab - Zone B	30	17-Jul-17	19-Aug-17	09-Jun-17 A	21-Oct-17	100%	94%	-76																					
A50855	RDE - Walls, Columns & 2/F Slab - Zone A	30	20-Jul-17	23-Aug-17	09-Jun-17 A	02-Nov-17	100%	94%	-80																					
A50860	RDE - Walls, Columns & 3/F Slab - Zone B	22	23-Oct-17	17-Nov-17	23-Oct-17	17-Nov-17	100%	0%	-74																					
A50865	RDE - Walls, Columns & 3/F Slab - Zone A	18	03-Nov-17	23-Nov-17	03-Nov-17	23-Nov-17	100%	0%	-74																					
A50870	RDE - Walls, Columns & 4/F Slab - Zone B	14	18-Nov-17	04-Dec-17	18-Nov-17	04-Dec-17	100%	0%	-72																					
A50875	RDE - Walls, Columns & 4/F Slab - Zone A	15	24-Nov-17	11-Dec-17	24-Nov-17	11-Dec-17	100%	0%	-73																					
A50880	RDE - Walls, Columns & 5/F Slab - Zone B	14	05-Dec-17	20-Dec-17	05-Dec-17	20-Dec-17	100%	0%	-72																					
A50885	RDE - Walls, Columns & 5/F Slab - Zone A	14	12-Dec-17	29-Dec-17	12-Dec-17	29-Dec-17	100%	0%	-73																					
A50890	RDE - Walls, Columns & 6/F Slab - Zone B	12	21-Dec-17	06-Jan-18	21-Dec-17	06-Jan-18	50%	0%	-72																					
A50895	RDE - Walls, Columns & 6/F Slab - Zone A	12	30-Dec-17	13-Jan-18	30-Dec-17	13-Jan-18	8.33%	0%	-73																					
A50900	RDE - Walls, Columns & 7/F Slab - Zone B	12	08-Jan-18	20-Jan-18	08-Jan-18	20-Jan-18	0%	0%	-72																					
A50905	RDE - Walls, Columns & 7/F Slab - Zone A	12	15-Jan-18	27-Jan-18	15-Jan-18	27-Jan-18	0%	0%	-73																					
A50910	RDE - Walls, Columns & 8/F Slab - Zone B	12	22-Jan-18	03-Feb-18	22-Jan-18	03-Feb-18	0%	0%	-72																					
A50915	RDE - Walls, Columns & 8/F Slab - Zone A	12	29-Jan-18	10-Feb-18	29-Jan-18	10-Feb-18	0%	0%	-73																					
A50920	RDE - Walls, Columns & 9/F Slab - Zone B	12	05-Feb-18	21-Feb-18	05-Feb-18	21-Feb-18	0%	0%	-72																					
A50925	RDE - Walls, Columns & 9/F Slab - Zone A	12	12-Feb-18	28-Feb-18	12-Feb-18	28-Feb-18	0%	0%	-73																					
A50940	RDE - Walls, Columns & 10/F Slab - Zone B	12	22-Feb-18	07-Mar-18	22-Feb-18	07-Mar-18	0%	0%	-72																					
A50945	RDE - Walls, Columns & 10/F Slab - Zone A	11	01-Mar-18	13-Mar-18	01-Mar-18	13-Mar-18	0%	0%	-72																					
A50950	RDE - Walls, Columns & 11/F Slab - Zone B	8	08-Mar-18	16-Mar-18	08-Mar-18	16-Mar-18	0%	0%	-70																					
A50955	RDE - Walls, Columns & 11/F Slab - Zone A	10	14-Mar-18	24-Mar-18	14-Mar-18	24-Mar-18	0%	0%	-72																					
A50960	RDE - Walls, Columns & 12/F Slab - Zone B	10	17-Mar-18	28-Mar-18	17-Mar-18	28-Mar-18	0%	0%	-70																					
A50965	RDE - Walls, Columns & 12/F Slab - Zone A	10	26-Mar-18	10-Apr-18	26-Mar-18	10-Apr-18	0%	0%	-72																					
RDE Building Temporary Works																														
RD10090	Material Hoist Erection (Initial)	8	05-Dec-17	13-Dec-17	05-Dec-17	13-Dec-17	100%	0%	-72																					
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	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-108																					
A53500	3rd Shopdrawing for PreCast Tubes, Columns and Roof Panel (FC-PC) -	14	15-Oct-17	28-Oct-17	15-Oct-17	28-Oct-17	100%	0%	-108																					
SHOPDRAWING + DESIGN CALCULATION - by PISA																														
A53610	3rd Shopdrawing Cast-in Embed for Window Wall & Louver at 2F to 14F	14	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-108																					
A53620	3rd Shopdrawing Cast-in Embed for Window Wall & Louver at 2F to 14	14	15-Oct-17	28-Oct-17	15-Oct-17	28-Oct-17	100%	0%	-108																					
A53650	2nd Shopdrawing Cast-in Embed for Window Wall & Louver at 15F to F	14	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-133																					
A53660	2nd Shopdrawing Cast-in Embed for Window Wall & Louver at 15F to F	14	15-Oct-17	28-Oct-17	15-Oct-17	28-Oct-17	100%	0%	-133																					
A53670	3rd Shopdrawing Cast-in Embed for Window Wall & Louver at 15F to RF	14	29-Oct-17	11-Nov-17	29-Oct-17	11-Nov-17	100%	0%	-133																					
A53680	3rd Shopdrawing Cast-in Embed for Window Wall & Louver at 15F to R	14	12-Nov-17	25-Nov-17	12-Nov-17	25-Nov-17	100%	0%	-133																					
A53700	1st Shopdrawing for Window Wall, Facade Window, Louver and operal	14	16-Sep-17	29-Sep-17	08-Sep-17 A	14-Sep-17 A	100%	100%	-103																					
A53710	2nd Shopdrawing for Window Wall, Facade Window, Louver and opera	14	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-120																					
A53720	2nd Shopdrawing for Window Wall, Facade Window, Louver and opera	14	15-Oct-17	28-Oct-17	15-Oct-17	28-Oct-17	100%	0%	-120																					
A53730	3rd Shopdrawing for Window Wall, Facade Window, Louver and operal	14	29-Oct-17	11-Nov-17	29-Oct-17	11-Nov-17	100%	0%	-120																					
A53740	3rd Shopdrawing for Window Wall, Facade Window, Louver and operal	14	12-Nov-17	25-Nov-17	12-Nov-17	25-Nov-17	100%	0%	-120																					

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January				
										24					25					26					27					28				
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08					
A53800	3rd Shopdrawing for Window Wall & Louver at 2F to 14F - Review & A	14	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-99																									
A53830	2nd Shopdrawing for Window Wall & Louver at 15F to RF	14	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-130																									
A53840	2nd Shopdrawing for Window Wall & Louver at 15F to RF - Review & .	14	15-Oct-17	28-Oct-17	15-Oct-17	28-Oct-17	100%	0%	-130																									
A53850	3rd Shopdrawing for Window Wall & Louver at 15F to RF	14	29-Oct-17	11-Nov-17	29-Oct-17	11-Nov-17	100%	0%	-130																									
A53860	3rd Shopdrawing for Window Wall & Louver at 15F to RF - Review & /	14	12-Nov-17	25-Nov-17	12-Nov-17	25-Nov-17	100%	0%	-130																									
PERFORMANCE MOCK UP TEST																																		
PERFORMANCE MOCK UP TEST - by PISA																																		
A53950	2nd Performance Mock Up Test Design Submission of Window Wall (F	14	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-124																									
A53960	2nd Performance Mock Up Test Design Submission of Window Wall (F	14	15-Oct-17	28-Oct-17	15-Oct-17	28-Oct-17	100%	0%	-124																									
A53970	3rd Performance Mock Up Test Design Submission of Window Wall (F	14	29-Oct-17	11-Nov-17	29-Oct-17	11-Nov-17	100%	0%	-124																									
A53980	3rd Performance Mock Up Test Design Submission of Window Wall (F	14	12-Nov-17	25-Nov-17	12-Nov-17	25-Nov-17	100%	0%	-124																									
A53990	1st Performance Mock Up Test Design Submission of Window Wall (F	14	21-Mar-17	03-Apr-17	21-Mar-17 A	01-Oct-17	100%	87%	-132																									
A54000	1st Performance Mock Up Test Design Submission of Window Wall (F	14	02-Oct-17	15-Oct-17	02-Oct-17	15-Oct-17	100%	0%	-132																									
A54010	2nd Performance Mock Up Test Design Submission of Window Wall (F	14	16-Oct-17	29-Oct-17	16-Oct-17	29-Oct-17	100%	0%	-132																									
A54020	2nd Performance Mock Up Test Design Submission of Window Wall (F	14	30-Oct-17	12-Nov-17	30-Oct-17	12-Nov-17	100%	0%	-132																									
A54030	3rd Performance Mock Up Test Design Submission of Window Wall (F	14	13-Nov-17	26-Nov-17	13-Nov-17	26-Nov-17	100%	0%	-132																									
A54040	3rd Performance Mock Up Test Design Submission of Window Wall (F	14	27-Nov-17	10-Dec-17	27-Nov-17	10-Dec-17	100%	0%	-132																									
BD DRAWING + DESIGN CALCULATION																																		
BD DRAWING + DESIGN CALCULATION - by PISA																																		
A54180	2nd BD Submission Cast-in Embed for Window Wall & Louver at 2F to	14	21-Aug-17	04-Sep-17	02-Aug-17 A	30-Aug-17 A	100%	100%	-77																									
A54200	3rd BD Submission Cast-in Embed for Window Wall & Louver at 2F to :	14	16-Sep-17	29-Sep-17	08-Sep-17 A	13-Sep-17 A	100%	100%	-63																									
A54220	1st BD Submission Cast-in Embed for Window Wall & Louver at 15F to	14	30-Mar-17	12-Apr-17	30-Mar-17 A	11-Oct-17	100%	17%	-132																									
A54230	2nd BD Submission Cast-in Embed for Window Wall & Louver at 15F to	14	12-Oct-17	25-Oct-17	12-Oct-17	25-Oct-17	100%	0%	-132																									
A54240	2nd BD Submission Cast-in Embed for Window Wall & Louver at 15F to	14	26-Oct-17	08-Nov-17	26-Oct-17	08-Nov-17	100%	0%	-132																									
A54250	3rd BD Submission Cast-in Embed for Window Wall & Louver at 15F to	14	09-Nov-17	22-Nov-17	09-Nov-17	22-Nov-17	100%	0%	-132																									
A54260	3rd BD Submission Cast-in Embed for Window Wall & Louver at 15F to	14	23-Nov-17	06-Dec-17	23-Nov-17	06-Dec-17	100%	0%	-132																									
A54280	1st BD Submission for Window Wall, Facade Window, Louver and oper	14	30-Mar-17	12-Apr-17	30-Mar-17 A	13-Sep-17 A	100%	100%	-104																									
A54290	2nd BD Submission for Window Wall, Facade Window, Louver and ope	14	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-122																									
A54300	2nd BD Submission for Window Wall, Facade Window, Louver and ope	14	15-Oct-17	28-Oct-17	15-Oct-17	28-Oct-17	100%	0%	-122																									
A54310	3rd BD Submission for Window Wall, Facade Window, Louver and oper	14	29-Oct-17	11-Nov-17	29-Oct-17	11-Nov-17	100%	0%	-122																									
A54320	3rd BD Submission for Window Wall, Facade Window, Louver and oper	14	12-Nov-17	25-Nov-17	12-Nov-17	25-Nov-17	100%	0%	-122																									
A54340	1st BD Submission for Window Wall & Louver at 2F to 14F - Review &	14	28-Mar-17	10-Apr-17	28-Mar-17 A	13-Sep-17 A	100%	100%	-106																									
A54350	2nd BD Submission for Window Wall & Louver at 2F to 14F	14	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-124																									
A54360	2nd BD Submission for Window Wall & Louver at 2F to 14F - Review &	14	15-Oct-17	28-Oct-17	15-Oct-17	28-Oct-17	100%	0%	-124																									
A54370	3rd BD Submission for Window Wall & Louver at 2F to 14F	14	29-Oct-17	11-Nov-17	29-Oct-17	11-Nov-17	100%	0%	-124																									
A54380	3rd BD Submission for Window Wall & Louver at 2F to 14F - Review &	14	12-Nov-17	25-Nov-17	12-Nov-17	25-Nov-17	100%	0%	-124																									
A54390	1st BD Submission for Window Wall & Louver at 15F to RF	14	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-134																									
A54400	1st BD Submission for Window Wall & Louver at 15F to RF - Review &	14	15-Oct-17	28-Oct-17	15-Oct-17	28-Oct-17	100%	0%	-134																									
A54410	2nd BD Submission for Window Wall & Louver at 15F to RF	14	29-Oct-17	11-Nov-17	29-Oct-17	11-Nov-17	100%	0%	-134																									
A54420	2nd BD Submission for Window Wall & Louver at 15F to RF - Review &	14	12-Nov-17	25-Nov-17	12-Nov-17	25-Nov-17	100%	0%	-134																									
A54430	3rd BD Submission for Window Wall & Louver at 15F to RF	14	26-Nov-17	09-Dec-17	26-Nov-17	09-Dec-17	100%	0%	-134																									
A54440	3rd BD Submission for Window Wall & Louver at 15F to RF - Review &	14	10-Dec-17	23-Dec-17	10-Dec-17	23-Dec-17	100%	0%	-134																									
RDE External Envelope																																		
RDE Structure																																		
A21260	RDE - Wall, Column & 7/F Slab Complete	0		20-Jan-18		20-Jan-18	0%	0%	-72																									
FACADE INSTALLATION - by Permasteelisa																																		

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December				January			
										24					25				26				27				28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	
A20530	Sector F	0		30-Sep-17		30-Sep-17	100%	0%	-113	Sector F,																				
M+ Podium Access																														
A58430	Zone B Access - Complete & De-prop Zone B Structure	0		06-Feb-18		06-Feb-18	0%	0%	-40																					
A58440	Zone Q Access - Complete & De-prop Zone Q Structure	0		30-Jan-18		30-Jan-18	0%	0%	-40																					
A58460	Zone A1 Access - Complete & De-prop Zone A1 Structure	0		16-Nov-17		16-Nov-17	100%	0%	-100																					
A58490	Zone A4 Access - Complete & De-prop Zone A4 Structure	0		25-Nov-17		25-Nov-17	100%	0%	-80																					
A58500	Zone A5 Access - Complete & De-prop Zone A5 Structure	0		03-Jan-18		03-Jan-18	100%	0%	-75																					
A58510	Zone H Access - Complete & De-prop Zone H Structure (GL12-14/K-M)	0		24-Oct-17		24-Oct-17	100%	0%	-85																					
A58515	Zone H Access - Complete & De-prop Zone H Structure	0		31-Jan-18		31-Jan-18	0%	0%	-68																					
A58520	Zone E Access - Complete & De-prop Zone E Structure	0		01-Nov-17		01-Nov-17	100%	0%	-49																					
A58570	Zone N Access - Complete & De-prop Zone N Podium Structure	0		14-Oct-17		14-Oct-17	100%	0%	-51																					
A58580	Zone F Access - Complete & De-prop Zone F Podium Structure	0		24-Jan-18		24-Jan-18	0%	0%	-40																					
A59150	Zone C Access - Complete & De-prop Zone C Structure	0		13-Dec-17		13-Dec-17	100%	0%	-68																					
M+ Tower Access																														
Tower Structure Completion Preparation for Builders' Work Access																														
A20670	3/F Curing & Falseworks Stripping	20	12-Dec-17	03-Jan-18	12-Dec-17	03-Jan-18	0%	0%	-43																					
A20710	4/F Curing & Falseworks Stripping	20	12-Nov-17	01-Dec-17	12-Nov-17	01-Dec-17	35%	0%	-46																					
A20720	5/F Curing & Falseworks Stripping	20	24-Nov-17	13-Dec-17	24-Nov-17	13-Dec-17	0%	0%	-44																					
A20730	6/F Curing & Falseworks Stripping	20	05-Dec-17	24-Dec-17	05-Dec-17	24-Dec-17	0%	0%	-44																					
A20740	7/F Curing & Falseworks Stripping	20	16-Dec-17	07-Jan-18	16-Dec-17	07-Jan-18	0%	0%	-43																					
A20750	8/F Curing & Falseworks Stripping	20	30-Dec-17	19-Jan-18	30-Dec-17	19-Jan-18	0%	0%	-43																					
A20760	9/F Curing & Falseworks Stripping	20	12-Jan-18	31-Jan-18	12-Jan-18	31-Jan-18	0%	0%	-44																					
A20770	10/F Curing & Falseworks Stripping	20	24-Jan-18	12-Feb-18	24-Jan-18	12-Feb-18	0%	0%	-44																					
A20780	11/F Curing & Falseworks Stripping	20	04-Feb-18	26-Feb-18	04-Feb-18	26-Feb-18	0%	0%	-43																					
Facade Completion & Fit-out Works Access Dates (Weathertight)																														
A20850	4/F Fit-Out Works Access	0	01-Oct-17		01-Oct-17		100%	0%	-132	4/F Fit-Out Works Access, 01-Oct-17																				
A20860	5/F Fit-Out Works Access	0	01-Oct-17		01-Oct-17		100%	0%	-132	5/F Fit-Out Works Access, 01-Oct-17																				
A20870	6/F Fit-Out Works Access	0	01-Oct-17		01-Oct-17		100%	0%	-132	6/F Fit-Out Works Access, 01-Oct-17																				
A20880	7/F Fit-Out Works Access	0	01-Oct-17		01-Oct-17		100%	0%	-132	7/F Fit-Out Works Access, 01-Oct-17																				
A20890	8/F Fit-Out Works Access	0	01-Oct-17		01-Oct-17		100%	0%	-132	8/F Fit-Out Works Access, 01-Oct-17																				
A20900	9/F Fit-Out Works Access	0	01-Oct-17		01-Oct-17		100%	0%	-132	9/F Fit-Out Works Access, 01-Oct-17																				
A20910	10/F Fit-Out Works Access	0	01-Oct-17		01-Oct-17		100%	0%	-132	10/F Fit-Out Works Access, 01-Oct-17																				
A20920	11/F Fit-Out Works Access	0	01-Oct-17		01-Oct-17		100%	0%	-132	11/F Fit-Out Works Access, 01-Oct-17																				
A20930	12/F Fit-Out Works Access	0	01-Oct-17		01-Oct-17		100%	0%	-132	12/F Fit-Out Works Access, 01-Oct-17																				
A20940	13/F Fit-Out Works Access	0	01-Oct-17		01-Oct-17		100%	0%	-132	13/F Fit-Out Works Access, 01-Oct-17																				
A20950	14/F Fit-Out Works Access	0	01-Oct-17		01-Oct-17		100%	0%	-132	14/F Fit-Out Works Access, 01-Oct-17																				
A23570	3/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132	3/F Facade Installation Complete,																				
A23580	4/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132	4/F Facade Installation Complete,																				
A23590	5/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132	5/F Facade Installation Complete,																				
A23600	6/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132	6/F Facade Installation Complete,																				
A23610	7/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132	7/F Facade Installation Complete,																				
A23620	8/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132	8/F Facade Installation Complete,																				
A23630	9/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132	9/F Facade Installation Complete,																				
A23640	10/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132	10/F Facade Installation Complete,																				
A23650	11/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132	11/F Facade Installation Complete,																				
A23660	12/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132	12/F Facade Installation Complete,																				

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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)	September					October					November					December					January		
										24					25					26					27					28		
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08			
A23670	13/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132						13/F Facade Installation Complete,																	
A23680	14/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132						14/F Facade Installation Complete,																	
A23690	15/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132						15/F Facade Installation Complete,																	
A23700	16/F Facade Installation Complete	0		30-Sep-17		30-Sep-17	100%	0%	-132						16/F Facade Installation Complete,																	
Lifts and Escalators																																
Podium Lift & Escalator Installation																																
Art Lift (LT13) @ Zone A1																																
LT10530	Available of lift Shaft LT13 (w/ Zone A1 Temporary watertight)	0		27-Dec-17		27-Dec-17	100%	0%	-99																							
LT10535	Builders' Work for LT13 Lift Shaft & M/C Room	12	28-Dec-17	11-Jan-18	28-Dec-17	11-Jan-18	83.33%	0%	-80																							
LT10540	Commence LT13 Lift M/C Room Installation	0	12-Jan-18		12-Jan-18		0%	0%	-99																							
LT10550	Lift M/C Room Installation @ B2/F (LT13)	25	12-Jan-18	09-Feb-18	12-Jan-18	09-Feb-18	0%	0%	-80																							
LT10560	Lift Car Installation (LT13)	90	10-Feb-18	10-May-18	10-Feb-18	10-May-18	0%	0%	-97																							
Passenger Lift, FS & Disable Lift (LT12) @ Zone A1																																
LT10590	Available of lift Shaft LT12 (w/ Zone A1 Temporary watertight)	0	26-Nov-17		26-Nov-17		100%	0%	-96																							
LT10600	Builders' Work for LT12 Lift Shaft	25	27-Nov-17	27-Dec-17	27-Nov-17	27-Dec-17	100%	0%	-80																							
LT10610	Lift Car Installation (LT12)	60	28-Dec-17	25-Feb-18	28-Dec-17	25-Feb-18	18.33%	0%	-99						LT10610																	
LT10620	EMSD Inspection (LT12)	21	26-Feb-18	18-Mar-18	26-Feb-18	18-Mar-18	0%	0%	-99											LT10620												
Passenger Lift, FS & Disable Lift (LT14) @ Zone A4																																
LT10640	Available of lift Shaft LT14 (w/ Zone A4 Temporary watertight)	0	26-Nov-17		26-Nov-17		100%	0%	-96																							
LT10650	Builders' Work for LT14 Lift Shaft	25	27-Nov-17	27-Dec-17	27-Nov-17	27-Dec-17	100%	0%	-80																							
LT10660	Lift Car Installation (LT14)	60	28-Dec-17	25-Feb-18	28-Dec-17	25-Feb-18	18.33%	0%	-99						LT10660																	
LT10670	EMSD Inspection (LT14)	21	26-Feb-18	18-Mar-18	26-Feb-18	18-Mar-18	0%	0%	-99											LT10670												
Passenger Lift, Diable Lift (LT15, LT16 & LT17) @ Zone A4																																
LT10690	Available of lift Shaft LT14 (w/ Zone A4 Temporary watertight)	0	28-Dec-17		28-Dec-17		100%	0%	-99																							
LT10700	Builders' Work for LT15, LT16 & LT17 Lift Shafts	25	28-Dec-17	21-Jan-18	28-Dec-17	21-Jan-18	44%	0%	-99																							
LT10710	Lifts Car Installation (LT15, LT16 & LT17)	60	22-Jan-18	22-Mar-18	22-Jan-18	22-Mar-18	0%	0%	-99																							
LT10720	EMSD Inspection (LT15, LT16 & LT17)	21	23-Mar-18	12-Apr-18	23-Mar-18	12-Apr-18	0%	0%	-99																							
Passenger Lift, FS Lift (LT21 & LT22) @ Zone E																																
LT10820	Available of lift Shaft LT21 & LT22 (w/ Zone E Temporary watertight)	0	06-Feb-18		06-Feb-18		100%	0%	-138																							
LT10830	Builders' Work for LT21 & LT22 Lift Shaft	25	06-Feb-18	09-Mar-18	06-Feb-18	09-Mar-18	36%	0%	-112																							
LT10840	Lifts Car Installation (LT21 & LT22)	60	10-Mar-18	08-May-18	10-Mar-18	08-May-18	0%	0%	-139																							
LT10850	EMSD Inspection (LT21 & LT22)	21	09-May-18	29-May-18	09-May-18	29-May-18	0%	0%	-139																							
Escalators (ES03 & ES04) @ Zone AB1F to GF																																
LT11170	Available of Escalator Pit ES03 & ES04 at Zone A	0		25-Nov-17		25-Nov-17	100%	0%	-96																							
LT11180	Escalators ES03 & ES04 Installation	60	26-Nov-17	24-Jan-18	26-Nov-17	24-Jan-18	66.67%	0%	-96																							
LT11190	EMSD Inspection (ES03 & ES04)	21	25-Jan-18	14-Feb-18	25-Jan-18	14-Feb-18	0%	0%	-96						LT11190																	
Escalators (ES05 & ES06) @ Zone AGF to 2F																																
LT11210	Available of Escalator Pit ES05 & ES06 at Zone A	0		24-Jan-18		24-Jan-18	0%	0%	-96																							
LT11220	Escalators ES05 & ES06 Installation	75	25-Jan-18	09-Apr-18	25-Jan-18	09-Apr-18	0%	0%	-96																							
Escalators (ES11 & ES12) @ Zone R B1F to GF																																
LT11250	Available of Escalator Pit ES11 & ES12 at Zone R	0		20-Feb-18		20-Feb-18	0%	0%	-102																							
LT11260	Escalators ES11 & ES12 Installation	60	21-Feb-18	21-Apr-18	21-Feb-18	21-Apr-18	0%	0%	-102																							
ABWF & BS Pre-Construction Works																																
AB10070	Shop drawings Submission & Approval	210	02-Oct-16	12-May-17	02-Oct-16 A	03-Nov-17	100%	85%	-120																							
AB10080	Method Statement & ITP Submission & Approval	210	02-Oct-16	12-May-17	02-Oct-16 A	03-Nov-17	100%	85%	-120																							
AB10090	Materials Submission & Approval	210	02-Oct-16	12-May-17	02-Oct-16 A	22-Oct-17	100%	90%	-109																							

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January			
										24					25					26					27					28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08				
Long Lead Materials Procurement & Delivery																																	
AB10100	Others	270	06-Jan-17	15-Oct-17	06-Jan-17 A	22-Jan-18	80.56%	0%	-46																								
AB10140	Timber (Floor, Wall & Ceiling)	0	20-Nov-17		20-Nov-17*		0%	0%	0	◆ Timber (Floor, Wall & Ceiling), 20-Nov-17*																							
Doors																																	
AB10110	B2/F & B1/F	0	01-Oct-17		01-Oct-17*		100%	0%	-30	◆ B2/F & B1/F, 01-Oct-17*																							
AB10120	LG/F & G/F	0	01-Oct-17		01-Oct-17*		0%	0%	0	◆ LG/F & G/F, 01-Oct-17*																							
AB10130	1/F & above	0	01-Nov-17		01-Nov-17*		0%	0%	0	◆ 1/F & above, 01-Nov-17*																							
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	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-132																								
AB13600	Plastering work (inside tank)	10	15-Oct-17	24-Oct-17	15-Oct-17	24-Oct-17	100%	0%	-132																								
AB13610	Wall & floor tiling	14	25-Oct-17	08-Nov-17	25-Oct-17	08-Nov-17	100%	0%	-132																								
AB13620	Application of sealer on soffit (outside tank)	7	09-Nov-17	15-Nov-17	09-Nov-17	15-Nov-17	100%	0%	-132																								
AB13630	Cat ladder	7	16-Nov-17	22-Nov-17	16-Nov-17	22-Nov-17	100%	0%	-132																								
AB13640	Hatch cover	7	23-Nov-17	29-Nov-17	23-Nov-17	29-Nov-17	100%	0%	-132																								
M+ FS Water Tank																																	
AB13660	Waterproofing & water test	12	25-Oct-17	06-Nov-17	25-Oct-17	06-Nov-17	100%	0%	-132																								
AB13670	Plastering work (inside tank)	10	07-Nov-17	16-Nov-17	07-Nov-17	16-Nov-17	100%	0%	-132																								
AB13680	Wall & floor tiling	14	17-Nov-17	30-Nov-17	17-Nov-17	30-Nov-17	100%	0%	-132																								
AB13690	Application of sealer on soffit (outside tank)	7	01-Dec-17	07-Dec-17	01-Dec-17	07-Dec-17	100%	0%	-132																								
AB13700	Cat ladder	7	08-Dec-17	14-Dec-17	08-Dec-17	14-Dec-17	100%	0%	-132																								
AB13710	Hatch cover	7	15-Dec-17	21-Dec-17	15-Dec-17	21-Dec-17	100%	0%	-132																								
M+ IR Tank																																	
AB13730	Waterproofing & water test	12	17-Nov-17	28-Nov-17	17-Nov-17	28-Nov-17	100%	0%	-132																								
AB13740	Plastering work (inside tank)	10	29-Nov-17	08-Dec-17	29-Nov-17	08-Dec-17	100%	0%	-132																								
AB13750	Wall & floor tiling	14	09-Dec-17	22-Dec-17	09-Dec-17	22-Dec-17	100%	0%	-132																								
AB13760	Application of sealer on soffit (outside tank)	7	23-Dec-17	31-Dec-17	23-Dec-17	31-Dec-17	100%	0%	-132																								
AB13780	Hatch cover	7	09-Jan-18	15-Jan-18	09-Jan-18	15-Jan-18	100%	0%	-132																								
Rain Water Retention Tank																																	
AB13800	Waterproofing & water test	12	09-Dec-17	20-Dec-17	09-Dec-17	20-Dec-17	100%	0%	-132																								
AB13810	Plastering work (inside tank)	10	21-Dec-17	02-Jan-18	21-Dec-17	02-Jan-18	100%	0%	-132																								
AB13820	Wall & floor tiling	14	03-Jan-18	16-Jan-18	03-Jan-18	16-Jan-18	100%	0%	-132																								
AB13830	Application of sealer on soffit (outside tank)	7	17-Jan-18	23-Jan-18	17-Jan-18	23-Jan-18	100%	0%	-132																								
AB13840	Cat ladder	7	24-Jan-18	30-Jan-18	24-Jan-18	30-Jan-18	100%	0%	-132																								
AB13850	Hatch cover	7	31-Jan-18	06-Feb-18	31-Jan-18	06-Feb-18	100%	0%	-132																								
Plantrooms																																	
FS Pump Room																																	
Builders' Work																																	
AB13370	Concrete plinth	5	11-Dec-17	16-Dec-17	11-Dec-17	16-Dec-17	100%	0%	-101																								
AB13380	Wall rendering	7	16-Dec-17	23-Dec-17	16-Dec-17	23-Dec-17	100%	0%	-101																								
AB13390	Floor Screeding	7	23-Dec-17	02-Jan-18	23-Dec-17	02-Jan-18	100%	0%	-101																								
AB13400	Wall Epoxy Paint	7	02-Jan-18	09-Jan-18	02-Jan-18	09-Jan-18	100%	0%	-101																								
AB13410	Sealer on ceiling soffit & application of epoxy paint on wall	14	09-Jan-18	23-Jan-18	09-Jan-18	23-Jan-18	42.86%	0%	-101																								

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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)	September					October					November					December					January								
										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
Plumbing & Drainage																																						
AB52190	P&D 1st fix - B2F Sector B	30	21-Jan-18	22-Feb-18	21-Jan-18	22-Feb-18	0%	0%	-85																													
AB52195	P&D 2nd fix - B2F Sector B	45	23-Feb-18	12-Apr-18	23-Feb-18	12-Apr-18	0%	0%	-85																													
FS System																																						
AB52220	FS 1st fix - B2F Sector B	30	21-Jan-18	22-Feb-18	21-Jan-18	22-Feb-18	0%	0%	-85																													
AB52225	FS 2nd fix - B2F Sector B	45	23-Feb-18	12-Apr-18	23-Feb-18	12-Apr-18	0%	0%	-85																													
HVAC System																																						
AB52250	HVAC 1st fix - B2F Sector B	60	21-Jan-18	24-Mar-18	21-Jan-18	24-Mar-18	0%	0%	-85																													
AB52255	HVAC 2nd fix - B2F Sector B	69	25-Mar-18	07-Jun-18	25-Mar-18	07-Jun-18	0%	0%	-85																													
B2/F - Zone A (Sector C)																																						
Plantrooms																																						
SH Water Tank/ Street Hydrant Tank																																						
AB11910	Waterproofing & water test	12	29-Nov-17	10-Dec-17	29-Nov-17	10-Dec-17	100%	0%	-132																													
AB11920	Plastering work (inside tank)	10	11-Dec-17	20-Dec-17	11-Dec-17	20-Dec-17	100%	0%	-132																													
AB11930	Wall & floor tiling	14	21-Dec-17	06-Jan-18	21-Dec-17	06-Jan-18	100%	0%	-132																													
AB11950	Cat ladder	7	14-Jan-18	20-Jan-18	14-Jan-18	20-Jan-18	100%	0%	-132																													
AB11960	Hatch cover	7	21-Jan-18	27-Jan-18	21-Jan-18	27-Jan-18	100%	0%	-132																													
Grease Trap Room for Podium																																						
Builders' Work																																						
AB11550	Concrete plinth & waterproofing works	12	01-Nov-17	14-Nov-17	01-Nov-17	14-Nov-17	100%	0%	-87																													
AB11560	Floor Screeding	7	15-Nov-17	21-Nov-17	15-Nov-17	21-Nov-17	100%	0%	-102																													
AB11570	Wall rendering	7	22-Nov-17	28-Nov-17	22-Nov-17	28-Nov-17	100%	0%	-102																													
AB11580	Sealer on ceiling soffit & application of epoxy paint on wall	7	29-Nov-17	05-Dec-17	29-Nov-17	05-Dec-17	100%	0%	-102																													
BS Installation																																						
AB11590	General building services installation	14	20-Dec-17	05-Jan-18	20-Dec-17	05-Jan-18	100%	0%	-102																													
AB11595	Install sewage pipes & SST grease trap tanks	14	06-Jan-18	19-Jan-18	06-Jan-18	19-Jan-18	78.57%	0%	-102																													
Final Finishes																																						
AB11600	Final coat of paint on ceiling & wall	3	20-Jan-18	22-Jan-18	20-Jan-18	22-Jan-18	0%	0%	-102																													
AB11610	Sealer on floor	3	23-Jan-18	25-Jan-18	23-Jan-18	25-Jan-18	0%	0%	-102																													
M+ Water Pump Room																																						
Builders' Work																																						
AB11630	Concrete plinth & waterproofing works	12	22-Nov-17	03-Dec-17	22-Nov-17	03-Dec-17	100%	0%	-102																													
AB11640	Floor Screeding	7	04-Dec-17	10-Dec-17	04-Dec-17	10-Dec-17	100%	0%	-102																													
AB11650	Wall Rendering	7	11-Dec-17	17-Dec-17	11-Dec-17	17-Dec-17	100%	0%	-102																													
AB11660	Sealer on ceiling soffit & application of epoxy paint on wall	7	18-Dec-17	24-Dec-17	18-Dec-17	24-Dec-17	100%	0%	-102																													
BS Installation																																						
AB11670	MEP 2nd fix	15	11-Jan-18	25-Jan-18	11-Jan-18	25-Jan-18	40%	0%	-102																													
AB52270	Install water pump set	30	26-Jan-18	27-Feb-18	26-Jan-18	27-Feb-18	0%	0%	-102																													
Final Finishes																																						
AB11680	Final coat of paint & wall	3	28-Feb-18	02-Mar-18	28-Feb-18	02-Mar-18	0%	0%	-102																													
AB11690	Sealer on floor	3	03-Mar-18	05-Mar-18	03-Mar-18	05-Mar-18	0%	0%	-102																													
CSF FS Pump Room																																						
Builders' Work																																						
AB11830	Concrete plinth & waterproofing works	12	04-Jan-18	15-Jan-18	04-Jan-18	15-Jan-18	100%	0%	-102																													
AB11840	Floor Screeding	7	16-Jan-18	22-Jan-18	16-Jan-18	22-Jan-18	14.29%	0%	-102																													
AB11850	Wall Rendering	7	23-Jan-18	29-Jan-18	23-Jan-18	29-Jan-18	0%	0%	-102																													

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January								
										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
AB11860	Sealer on ceiling soffit & application of epoxy paint on wall	7	30-Jan-18	05-Feb-18	30-Jan-18	05-Feb-18	0%	0%	-102																													
BS Installation																																						
AB11870	MEP 2nd fix	15	23-Feb-18	09-Mar-18	23-Feb-18	09-Mar-18	0%	0%	-102																													
AB11875	Install FS Pump Set & SAT	30	10-Mar-18	12-Apr-18	10-Mar-18	12-Apr-18	0%	0%	-102																													
Final Finishes																																						
AB11880	Final coat of paint on wall	3	13-Apr-18	15-Apr-18	13-Apr-18	15-Apr-18	0%	0%	-102																													
AB11890	Sealer on floor	3	16-Apr-18	18-Apr-18	16-Apr-18	18-Apr-18	0%	0%	-102																													
ICT Room																																						
Builders' Work																																						
AB12120	Blockwall	10	14-Jan-18	23-Jan-18	14-Jan-18	23-Jan-18	100%	0%	-132																													
AB12130	Plastering & screeding	5	24-Jan-18	28-Jan-18	24-Jan-18	28-Jan-18	100%	0%	-132																													
AB12135	Sealer on ceiling soffit & application of epoxy paint on wall	5	29-Jan-18	02-Feb-18	29-Jan-18	02-Feb-18	100%	0%	-132																													
BS Installation																																						
AB12140	MEP 2nd fix & final fix	30	03-Feb-18	07-Mar-18	03-Feb-18	07-Mar-18	43.33%	0%	-132																													
Final Finishes																																						
AB12150	Final coat of paint on wall	3	08-Mar-18	10-Mar-18	08-Mar-18	10-Mar-18	0%	0%	-132																													
AB12160	Sealer on floor	3	11-Mar-18	13-Mar-18	11-Mar-18	13-Mar-18	0%	0%	-132																													
ICT Riser																																						
Builders' Work																																						
AB12180	Blockwall	10	24-Jan-18	02-Feb-18	24-Jan-18	02-Feb-18	100%	0%	-132																													
AB12190	Plastering & screeding	5	03-Feb-18	07-Feb-18	03-Feb-18	07-Feb-18	100%	0%	-132																													
AB12195	Sealer on ceiling soffit & application of epoxy paint on wall	5	08-Feb-18	12-Feb-18	08-Feb-18	12-Feb-18	100%	0%	-132																													
BS Installation																																						
AB12200	MEP 2nd & final fix	30	13-Feb-18	17-Mar-18	13-Feb-18	17-Mar-18	10%	0%	-132																													
Final Finishes																																						
AB12210	Final coat of paint on wall	3	18-Mar-18	20-Mar-18	18-Mar-18	20-Mar-18	0%	0%	-132																													
AB12220	Sealer on floor	3	21-Mar-18	23-Mar-18	21-Mar-18	23-Mar-18	0%	0%	-132																													
Security Control Room																																						
Builders' Work																																						
AB11980	Blockwall	10	07-Jan-18	16-Jan-18	07-Jan-18	16-Jan-18	100%	0%	-132																													
AB11990	Plastering & screeding	5	17-Jan-18	21-Jan-18	17-Jan-18	21-Jan-18	100%	0%	-132																													
AB12000	Acoustic ceiling framework	5	22-Jan-18	26-Jan-18	22-Jan-18	26-Jan-18	100%	0%	-132																													
BS Installation																																						
AB12010	MEP 2nd & final fix	30	10-Feb-18	14-Mar-18	10-Feb-18	14-Mar-18	20%	0%	-132																													
Final Finishes																																						
AB12020	Acoustic ceiling close-up	7	15-Mar-18	21-Mar-18	15-Mar-18	21-Mar-18	0%	0%	-132																													
AB12030	Skim coat, application of epoxy paint on wall	4	22-Mar-18	25-Mar-18	22-Mar-18	25-Mar-18	0%	0%	-132																													
Security Equipment Rack Room																																						
Builders' Work																																						
AB12060	Blockwall	10	26-Mar-18	08-Apr-18	26-Mar-18	08-Apr-18	0%	0%	-132																													
AB12065	Plastering & screeding	5	09-Apr-18	13-Apr-18	09-Apr-18	13-Apr-18	0%	0%	-132																													
AB12070	Sealer on ceiling soffit & application of epoxy paint on wall	3	14-Apr-18	16-Apr-18	14-Apr-18	16-Apr-18	0%	0%	-132																													
BS Installation																																						
AB12080	MEP 2nd & final fix	30	02-May-18	01-Jun-18	02-May-18	01-Jun-18	0%	0%	-132																													
Lift Machine Room for LT-11																																						
Builders' Work																																						

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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)	September					October					November					December					January		
										24					25					26					27					28		
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08			
AB12420	Ceiling framework	21	31-Oct-17	20-Nov-17	31-Oct-17	20-Nov-17	100%	0%	-117																							
AB12430	MEP dropper	7	14-Nov-17	20-Nov-17	14-Nov-17	20-Nov-17	100%	0%	-117																							
AB12440	Ceiling close-up	14	21-Nov-17	04-Dec-17	21-Nov-17	04-Dec-17	100%	0%	-117																							
AB12450	Skim coat, application of sealer on wall, soffit and floor	14	05-Dec-17	18-Dec-17	05-Dec-17	18-Dec-17	100%	0%	-117																							
AB12460	Wall protection & corner guards installation	14	19-Dec-17	04-Jan-18	19-Dec-17	04-Jan-18	100%	0%	-117																							
AB12470	Door & ironmongeries installation	7	05-Jan-18	11-Jan-18	05-Jan-18	11-Jan-18	100%	0%	-117																							
Uniforms & Equipment Storage, RDE Storage, General Maintenance																																
AB12480	Application of epoxy paint on wall and sealer on floor	21	19-Dec-17	11-Jan-18	19-Dec-17	11-Jan-18	100%	0%	-117																							
Security Briefing Room, Security Office, Security Locker Room																																
AB12290	Acoustic ceiling framework	21	31-Oct-17	20-Nov-17	31-Oct-17	20-Nov-17	100%	0%	-117																							
AB12300	MEP dropper	7	14-Nov-17	20-Nov-17	14-Nov-17	20-Nov-17	100%	0%	-117																							
AB12310	Acoustic ceiling close up	14	21-Nov-17	04-Dec-17	21-Nov-17	04-Dec-17	100%	0%	-117																							
AB12320	Application of epoxy paint on wall	14	05-Dec-17	18-Dec-17	05-Dec-17	18-Dec-17	100%	0%	-117																							
Toilets																																
Public Toilets & Toilet Lobby (Benchmark Toilet)																																
Toilet Block																																
AB50980	Waterproofing & water test complete	0		03-Dec-17		03-Dec-17	100%	0%	-107																							
AB50990	Protective floor screeding	2	04-Dec-17	05-Dec-17	04-Dec-17	05-Dec-17	100%	0%	-107																							
AB51000	Gypsum ceiling frameworjk	7	06-Dec-17	12-Dec-17	06-Dec-17	12-Dec-17	100%	0%	-107																							
AB51010	Wall tiling	14	14-Dec-17	29-Dec-17	14-Dec-17	29-Dec-17	100%	0%	-107																							
AB51020	Polished concrete floor (by others)	3	30-Dec-17	02-Jan-18	30-Dec-17	02-Jan-18	100%	0%	-107																							
AB51030	Gypsum ceiling close-up	5	08-Jan-18	12-Jan-18	08-Jan-18	12-Jan-18	100%	0%	-107																							
AB51040	Taping & jointing and painting on ceiling	7	13-Jan-18	19-Jan-18	13-Jan-18	19-Jan-18	100%	0%	-107																							
AB51050	Emulsion paint to wall gypsum board (Baby Room only)	7	20-Jan-18	26-Jan-18	20-Jan-18	26-Jan-18	28.57%	0%	-107																							
AB51060	Cubicle partition installation	7	27-Jan-18	02-Feb-18	27-Jan-18	02-Feb-18	0%	0%	-107																							
AB51070	Terrazo countertop	5	03-Feb-18	07-Feb-18	03-Feb-18	07-Feb-18	0%	0%	-107																							
AB51080	Door & ironmongeries installation	3	08-Feb-18	10-Feb-18	08-Feb-18	10-Feb-18	0%	0%	-107																							
AB51090	Sanitary wares & fitting (by others)	5	11-Feb-18	15-Feb-18	11-Feb-18	15-Feb-18	0%	0%	-107																							
AB51100	Steel frame for vanity counter	7	07-Dec-17	13-Dec-17	07-Dec-17	13-Dec-17	100%	0%	-107																							
AB51110	MEP dropper	5	03-Jan-18	07-Jan-18	03-Jan-18	07-Jan-18	100%	0%	-107																							
AB51120	Mirror installation & cleaning work	4	18-Feb-18	22-Feb-18	18-Feb-18	22-Feb-18	0%	0%	-107																							
Toilet Lobby																																
AB51130	Ceiling framework	7	10-Jan-18	16-Jan-18	10-Jan-18	16-Jan-18	100%	0%	-107																							
AB51140	Subframe & plywood furring for timber wall	6	17-Jan-18	22-Jan-18	17-Jan-18	22-Jan-18	83.33%	0%	-107																							
AB51150	MEP dropper	5	23-Jan-18	27-Jan-18	23-Jan-18	27-Jan-18	0%	0%	-107																							
AB51160	Smoked oak ceiling planks	4	28-Jan-18	31-Jan-18	28-Jan-18	31-Jan-18	0%	0%	-107																							
AB51170	Resilient layer application	3	01-Feb-18	03-Feb-18	01-Feb-18	03-Feb-18	0%	0%	-107																							
AB51180	2 layer plywood installation	2	04-Feb-18	05-Feb-18	04-Feb-18	05-Feb-18	0%	0%	-107																							
AB51190	Oak end-grain blockwood flooring	7	06-Feb-18	12-Feb-18	06-Feb-18	12-Feb-18	0%	0%	-107																							
AB51200	White oak timber wall plants	5	13-Feb-18	20-Feb-18	13-Feb-18	20-Feb-18	0%	0%	-107																							
AB51210	Floor screeding to receive resilient	2	08-Jan-18	09-Jan-18	08-Jan-18	09-Jan-18	100%	0%	-107																							
AB51220	Completion of benchmark toilet & ready for inspection	0		22-Feb-18		22-Feb-18	0%	0%	-107																							
Staff Toilets																																
AB12500	Waterproofing & water test complete	0		22-Feb-18		22-Feb-18	0%	0%	-107																							
AB12510	Protective screeding	7	23-Feb-18	01-Mar-18	23-Feb-18	01-Mar-18	0%	0%	-107																							
AB12520	Floor screeding	7	02-Mar-18	08-Mar-18	02-Mar-18	08-Mar-18	0%	0%	-107																							

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January								
										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
AB12530	Steel frame for vanity counter	7	09-Mar-18	15-Mar-18	09-Mar-18	15-Mar-18	0%	0%	-107																													
AB12540	Gypsum/ cement board ceiling framework	14	16-Mar-18	29-Mar-18	16-Mar-18	29-Mar-18	0%	0%	-107																													
AB12550	Wall & floor tiling	21	01-Apr-18	23-Apr-18	01-Apr-18	23-Apr-18	0%	0%	-107																													
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		29-Dec-17		29-Dec-17	0%	0%	-63																													
AB12640	Fire rated metal ceiling framework	21	30-Dec-17	20-Jan-18	30-Dec-17	20-Jan-18	0%	0%	-63																													
AB12650	MEP dropper	7	14-Jan-18	20-Jan-18	14-Jan-18	20-Jan-18	0%	0%	-63																													
AB12660	Fire rated metal ceiling close-up	14	21-Jan-18	03-Feb-18	21-Jan-18	03-Feb-18	0%	0%	-63																													
AB12670	Application of sealer on wall & floor	21	04-Feb-18	27-Feb-18	04-Feb-18	27-Feb-18	0%	0%	-63																													
AB12680	Door & ironmongeries installation	14	28-Feb-18	13-Mar-18	28-Feb-18	13-Mar-18	0%	0%	-63																													
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	28-Feb-18	20-Mar-18	28-Feb-18	20-Mar-18	0%	0%	-63																													
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		20-Jan-18		20-Jan-18	0%	0%	-63																													
AB12700	Fire rated metal ceiling framework	28	21-Jan-18	20-Feb-18	21-Jan-18	20-Feb-18	0%	0%	-63																													
AB12710	Fire shutters installation	28	11-Apr-18	09-May-18	11-Apr-18	09-May-18	0%	0%	-130																													
AB12720	MEP dropper	7	11-Feb-18	20-Feb-18	11-Feb-18	20-Feb-18	0%	0%	-63																													
AB12730	Fire rated metal ceiling close-up	14	21-Feb-18	06-Mar-18	21-Feb-18	06-Mar-18	0%	0%	-63																													
B2/F - Zone D, Zone B & Zone A (Sector D)																																						
MEP Plantrooms																																						
ELV (First Access Areas)																																						
Builders' Works																																						
AB52400	Steel Post	3	01-Oct-17	04-Oct-17	01-Oct-17	04-Oct-17	100%	0%	-93																													
AB52410	Blockwall	5	06-Oct-17	10-Oct-17	06-Oct-17	10-Oct-17	100%	0%	-93																													
AB52420	Wall Plastering	7	11-Oct-17	17-Oct-17	11-Oct-17	17-Oct-17	100%	0%	-93																													
AB52430	Floor Screeding	7	18-Oct-17	24-Oct-17	18-Oct-17	24-Oct-17	100%	0%	-93																													
AB52440	Sealer on ceiling soffit & application of epoxy paint on wall	3	25-Oct-17	27-Oct-17	25-Oct-17	27-Oct-17	100%	0%	-93																													
BS Installation																																						
AB12830	MEP 2nd fix	14	29-Oct-17	11-Nov-17	29-Oct-17	11-Nov-17	100%	0%	-93																													
AB12840	Install ELV Switchboard	60	12-Nov-17	13-Jan-18	12-Nov-17	13-Jan-18	90%	0%	-93																													
Final Finishes																																						
AB12850	Final coat of paint on wall	3	14-Jan-18	16-Jan-18	14-Jan-18	16-Jan-18	0%	0%	-93																													
AB12860	Sealer on floor	3	17-Jan-18	19-Jan-18	17-Jan-18	19-Jan-18	0%	0%	-93																													
AB12870	Door & ironmongeries installation	3	20-Jan-18	22-Jan-18	20-Jan-18	22-Jan-18	0%	0%	-93																													
General Builders' Work																																						
AB12770	Steel Post	7	01-Oct-17	09-Oct-17	01-Oct-17	09-Oct-17	100%	0%	-93																													
AB12780	Blockwall	10	10-Oct-17	19-Oct-17	10-Oct-17	19-Oct-17	100%	0%	-93																													
AB12790	Wall Plastering	14	19-Oct-17	03-Nov-17	19-Oct-17	03-Nov-17	100%	0%	-93																													
AB12800	Floor Screeding	14	03-Nov-17	17-Nov-17	03-Nov-17	17-Nov-17	100%	0%	-93																													
AB12810	Drywall (MEP consealed items, close up panel)	7	27-Nov-17	03-Dec-17	27-Nov-17	03-Dec-17	100%	0%	-100																													
General BS Installation																																						
Electrical System																																						
AB52450	MEP 1st fix - B1F Sector A	30	04-Dec-17	05-Jan-18	04-Dec-17	05-Jan-18	100%	0%	-100																													
AB52460	MEP 2nd fix - B1F Sector A	45	06-Jan-18	22-Feb-18	06-Jan-18	22-Feb-18	20%	0%	-100																													

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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)	September					October					November					December					January		
										24					25					26					27					28		
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08			
Final Finishes																																
AB15940	Final coat of paint on wall	3	24-Feb-18	27-Feb-18	24-Feb-18	27-Feb-18	0%	0%	-106																							
AB15950	Sealer on floor	3	27-Feb-18	02-Mar-18	27-Feb-18	02-Mar-18	0%	0%	-106																							
AB15960	Door & ironmongeries installation	3	02-Mar-18	05-Mar-18	02-Mar-18	05-Mar-18	0%	0%	-106																							
MEP																																
Builders' Work																																
AB15970	Sealer on ceiling soffit & application of epoxy paint on wall	7	08-Jan-18	15-Jan-18	08-Jan-18	15-Jan-18	100%	0%	-106																							
BS Installation																																
AB15980	MEP Room - MEP 2nd fix	14	15-Jan-18	29-Jan-18	15-Jan-18	29-Jan-18	37.14%	0%	-106																							
AB15990	Install MEP system	30	29-Jan-18	03-Mar-18	29-Jan-18	03-Mar-18	0%	0%	-106																							
Final Finishes																																
AB16000	Final coat of paint on wall	3	03-Mar-18	06-Mar-18	03-Mar-18	06-Mar-18	0%	0%	-106																							
AB16010	Sealer on floor	3	06-Mar-18	09-Mar-18	06-Mar-18	09-Mar-18	0%	0%	-106																							
AB16020	Door & ironmongeries installation	3	09-Mar-18	12-Mar-18	09-Mar-18	12-Mar-18	0%	0%	-106																							
Stair Pressurization Room																																
Builders' Work																																
AB16030	Sealer on ceiling soffit & application of epoxy paint on wall	7	15-Jan-18	22-Jan-18	15-Jan-18	22-Jan-18	74.29%	0%	-106																							
BS Installation																																
AB16040	Stair Pressurize Room - MEP 2nd fix	14	22-Jan-18	05-Feb-18	22-Jan-18	05-Feb-18	0%	0%	-106																							
AB16050	Access allowed from MEP works	30	05-Feb-18	10-Mar-18	05-Feb-18	10-Mar-18	0%	0%	-106																							
Final Finishes																																
AB16060	Final coat of paint on wall	3	10-Mar-18	13-Mar-18	10-Mar-18	13-Mar-18	0%	0%	-106																							
AB16070	Sealer on floor	3	13-Mar-18	16-Mar-18	13-Mar-18	16-Mar-18	0%	0%	-106																							
AB16080	Door & ironmongeries installation	3	16-Mar-18	19-Mar-18	16-Mar-18	19-Mar-18	0%	0%	-106																							
Carpark EAF Room																																
Builders' Work																																
AB16090	Sealer on ceiling soffit & application of epoxy paint on wall	7	22-Jan-18	29-Jan-18	22-Jan-18	29-Jan-18	0%	0%	-106																							
BS Installation																																
AB16100	Carpark EAF - MEP 2nd fix	14	29-Jan-18	12-Feb-18	29-Jan-18	12-Feb-18	0%	0%	-106																							
AB16110	Install EAF System	30	12-Feb-18	17-Mar-18	12-Feb-18	17-Mar-18	0%	0%	-106																							
Final Finishes																																
AB16120	Final coat of paint on wall	3	17-Mar-18	20-Mar-18	17-Mar-18	20-Mar-18	0%	0%	-106																							
AB16130	Sealer on floor	3	20-Mar-18	23-Mar-18	20-Mar-18	23-Mar-18	0%	0%	-106																							
AB16140	Door & ironmongeries installation	3	23-Mar-18	26-Mar-18	23-Mar-18	26-Mar-18	0%	0%	-106																							
Refrigerated Refuse Room																																
Builders' Work																																
AB16150	Waterproofing & water test complete (by HCC/ Sunway)	0		12-Feb-18		12-Feb-18	0%	0%	-106																							
AB16160	Protective screeding	7	12-Feb-18	22-Feb-18	12-Feb-18	22-Feb-18	0%	0%	-106																							
AB16170	Floor screeding	7	22-Feb-18	01-Mar-18	22-Feb-18	01-Mar-18	0%	0%	-106																							
AB16180	Tilling on Wall & floor	14	01-Mar-18	15-Mar-18	01-Mar-18	15-Mar-18	0%	0%	-106																							
AB16190	Application of sealer on soffit	3	15-Mar-18	18-Mar-18	15-Mar-18	18-Mar-18	0%	0%	-106																							
BS Installation																																
AB16200	Refrigerated Refuse - MEP 2nd fix	14	18-Mar-18	04-Apr-18	18-Mar-18	04-Apr-18	0%	0%	-106																							
AB16210	Install Refrigerated Refuse	30	18-Mar-18	21-Apr-18	18-Mar-18	21-Apr-18	0%	0%	-106																							
Final Finishes																																
AB16220	Wall protection & corner guards installation	3	21-Apr-18	24-Apr-18	21-Apr-18	24-Apr-18	0%	0%	-106																							

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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)	September					October				November				December				January																																												
										24					25				26				27				28																																												
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08																																										
CSF Water Pump Room																																																																							
Builder's Work																																																																							
AB16240	Concrete plinth and waterproofing & water test complete (by others)	0		22-Feb-18		22-Feb-18	0%	0%	-106																																																														
AB16250	Floor Screeding & wall rendering	7	22-Feb-18	01-Mar-18	22-Feb-18	01-Mar-18	0%	0%	-106																																																														
AB16260	Sealer on ceiling soffit & application of epoxy paint on wall	7	01-Mar-18	08-Mar-18	01-Mar-18	08-Mar-18	0%	0%	-106																																																														
BS Installation																																																																							
AB16270	CSF Water Pump Room - MEP 2nd fix	14	08-Mar-18	22-Mar-18	08-Mar-18	22-Mar-18	0%	0%	-106																																																														
AB16280	Install pump set & SAT	60	22-Mar-18	27-May-18	22-Mar-18	27-May-18	0%	0%	-106																																																														
General BS Installation																																																																							
Electrical System																																																																							
AB52680	MEP 1st fix - B2F Sector F	30	01-Dec-17	03-Jan-18	01-Dec-17	03-Jan-18	100%	0%	-106																																																														
AB52690	MEP 2nd fix - B2F Sector F	45	03-Jan-18	20-Feb-18	03-Jan-18	20-Feb-18	38.22%	0%	-106																																																														
AB52700	MEP Final fix - B2F Sector F	30	20-Feb-18	22-Mar-18	20-Feb-18	22-Mar-18	0%	0%	-106																																																														
Plumbing & Drainage																																																																							
AB52710	P&D 1st fix - B2F Sector F	30	01-Dec-17	03-Jan-18	01-Dec-17	03-Jan-18	100%	0%	-106																																																														
AB52720	P&D 2nd fix - B2F Sector F	45	03-Jan-18	20-Feb-18	03-Jan-18	20-Feb-18	38.22%	0%	-106																																																														
AB52730	P&D Final fix - B2F Sector F	30	20-Feb-18	22-Mar-18	20-Feb-18	22-Mar-18	0%	0%	-106																																																														
FS System																																																																							
AB52740	FS 1st fix - B2F Sector F	30	01-Dec-17	03-Jan-18	01-Dec-17	03-Jan-18	100%	0%	-106																																																														
AB52750	FS 2nd fix - B2F Sector F	45	03-Jan-18	20-Feb-18	03-Jan-18	20-Feb-18	38.22%	0%	-106																																																														
AB52760	FS Final fix - B2F Sector F	30	20-Feb-18	22-Mar-18	20-Feb-18	22-Mar-18	0%	0%	-106																																																														
HVAC System																																																																							
AB52770	HVAC 1st fix - B2F Sector F	60	01-Dec-17	02-Feb-18	01-Dec-17	02-Feb-18	78.67%	0%	-106																																																														
AB52780	HVAC 2nd fix - B2F Sector F	69	02-Feb-18	19-Apr-18	02-Feb-18	19-Apr-18	0%	0%	-106																																																														
AB52790	HVAC Final fix - B2F Sector F	30	19-Apr-18	20-May-18	19-Apr-18	20-May-18	0%	0%	-106																																																														
Workshops, Storages & Offices																																																																							
Refuse Room, Recycling Room																																																																							
AB16320	Waterproofing works & water test	12	31-Dec-17	13-Jan-18	31-Dec-17	13-Jan-18	100%	0%	-106																																																														
AB16330	Protective screeding	7	13-Jan-18	20-Jan-18	13-Jan-18	20-Jan-18	100%	0%	-106																																																														
AB16340	Floor screeding	7	20-Jan-18	27-Jan-18	20-Jan-18	27-Jan-18	2.86%	0%	-106																																																														
AB16350	Tilling on Wall & floor	14	27-Jan-18	10-Feb-18	27-Jan-18	10-Feb-18	0%	0%	-106																																																														
AB16360	Application of sealer on soffit	7	10-Feb-18	20-Feb-18	10-Feb-18	20-Feb-18	0%	0%	-106																																																														
AB16370	Wall protection & corner guards installation	7	20-Feb-18	27-Feb-18	20-Feb-18	27-Feb-18	0%	0%	-106																																																														
AB16380	Door & ironmongeries installation	7	27-Feb-18	06-Mar-18	27-Feb-18	06-Mar-18	0%	0%	-106																																																														
Delivery Management Office, RDE Staff Lockers, Property Management Room																																																																							
AB16400	Acoustic ceiling framework	21	24-Apr-18	15-May-18	24-Apr-18	15-May-18	0%	0%	-132																																																														
AB16410	MEP dropper	7	09-May-18	15-May-18	09-May-18	15-May-18	0%	0%	-132																																																														
AB16420	Acoustic ceiling close-up	14	16-May-18	30-May-18	16-May-18	30-May-18	0%	0%	-132																																																														
B2/F - Zone B1U2 (Sector G)																																																																							
Plantrooms																																																																							
RDE Potable Water Tank Room																																																																							
AB14300	Waterproofing works & water test	12	09-Oct-17	20-Oct-17	09-Oct-17	20-Oct-17	100%	0%	-102																																																														
AB14310	Plastering work (inside tank)	10	21-Oct-17	31-Oct-17	21-Oct-17	31-Oct-17	100%	0%	-102																																																														
AB14320	Wall & floor tiling	14	01-Nov-17	14-Nov-17	01-Nov-17	14-Nov-17	100%	0%	-102																																																														
AB14330	Application of sealer on soffit (outside tank)	7	15-Nov-17	21-Nov-17	15-Nov-17	21-Nov-17	100%	0%	-102																																																														
AB14340	Cat ladder	7	22-Nov-17	28-Nov-17	22-Nov-17	28-Nov-17	100%	0%	-102																																																														

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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)	September					October					November					December					January			
										24					25					26					27					28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08				
RDE FS Tank Pump Room																																	
Builders' Work																																	
AB14590	Concrete plinth and waterproofing works	12	09-Jan-18	20-Jan-18	09-Jan-18	20-Jan-18	66.67%	0%	-102																								
AB14600	Floor Screeding & wall rendering	7	21-Jan-18	27-Jan-18	21-Jan-18	27-Jan-18	0%	0%	-102																								
AB14610	Sealer on ceiling soffit & application of epoxy paint on wall	7	28-Jan-18	03-Feb-18	28-Jan-18	03-Feb-18	0%	0%	-102																								
BS Installation																																	
AB14620	RDE FS Pump Room - MEP 2nd fix	14	04-Feb-18	20-Feb-18	04-Feb-18	20-Feb-18	0%	0%	-102																								
AB14630	Install FS Pump set & SAT	60	21-Feb-18	25-Apr-18	21-Feb-18	25-Apr-18	0%	0%	-102																								
Chilled Water Pump Room																																	
Builders' Work																																	
AB14670	Concrete plinth and waterproofing works	12	21-Jan-18	01-Feb-18	21-Jan-18	01-Feb-18	0%	0%	-102																								
AB14680	Floor Screeding & wall rendering	7	02-Feb-18	08-Feb-18	02-Feb-18	08-Feb-18	0%	0%	-102																								
AB14690	Sealer on ceiling soffit & application of epoxy paint on wall	7	09-Feb-18	15-Feb-18	09-Feb-18	15-Feb-18	0%	0%	-102																								
BS Installation																																	
AB14700	Chilled Water Pump Room - MEP 2nd fix	14	18-Feb-18	04-Mar-18	18-Feb-18	04-Mar-18	0%	0%	-102																								
AB14710	Install Chilled water pump set & SAT	60	05-Mar-18	08-May-18	05-Mar-18	08-May-18	0%	0%	-102																								
RDE E202 TBE Room																																	
Builders' Work																																	
AB14750	Sealer on ceiling soffit & application of epoxy paint on wall	7	18-Feb-18	25-Feb-18	18-Feb-18	25-Feb-18	0%	0%	-102																								
BS Installation																																	
AB14760	RDE E202 TBE - MEP 2nd fix	15	26-Feb-18	12-Mar-18	26-Feb-18	12-Mar-18	0%	0%	-102																								
AB14770	Install TBE system	30	27-Mar-18	29-Apr-18	27-Mar-18	29-Apr-18	0%	0%	-102																								
Mobile Equipment Room																																	
Builders' Work																																	
AB14810	Sealer on ceiling soffit & application of epoxy paint on wall	7	26-Feb-18	04-Mar-18	26-Feb-18	04-Mar-18	0%	0%	-102																								
BS Installation																																	
AB14820	Mobile Equipment Room - MEP 2nd fix	14	05-Mar-18	18-Mar-18	05-Mar-18	18-Mar-18	0%	0%	-102																								
AB14830	Mobile Equipment Room - MEP final fix	14	19-Mar-18	04-Apr-18	19-Mar-18	04-Apr-18	0%	0%	-102																								
Final Finishes																																	
AB14840	Final coat of paint on ceiling & wall	3	06-Apr-18	08-Apr-18	06-Apr-18	08-Apr-18	0%	0%	-102																								
AB14850	Sealer on floor	3	09-Apr-18	11-Apr-18	09-Apr-18	11-Apr-18	0%	0%	-102																								
E203 RDE Local ICT Room																																	
Builders' Work																																	
AB14870	Sealer on ceiling soffit & application of epoxy paint on wall	7	05-Mar-18	11-Mar-18	05-Mar-18	11-Mar-18	0%	0%	-102																								
BS Installation																																	
AB14880	E203 RDE Local ICT Room - MEP 2nd fix	14	12-Mar-18	25-Mar-18	12-Mar-18	25-Mar-18	0%	0%	-102																								
AB14890	E203 RDE Local ICT Room - MEP final fix	14	26-Mar-18	12-Apr-18	26-Mar-18	12-Apr-18	0%	0%	-102																								
Final Finishes																																	
AB14900	Final coat of paint on wall	3	13-Apr-18	15-Apr-18	13-Apr-18	15-Apr-18	0%	0%	-102																								
AB14910	Sealer on floor	3	16-Apr-18	18-Apr-18	16-Apr-18	18-Apr-18	0%	0%	-102																								
ELV																																	
Builders' Work																																	
AB14930	Sealer on ceiling soffit & application of epoxy paint on wall	7	12-Mar-18	18-Mar-18	12-Mar-18	18-Mar-18	0%	0%	-102																								
BS Installation																																	
AB14940	ELV Room - MEP 2nd fix	14	19-Mar-18	04-Apr-18	19-Mar-18	04-Apr-18	0%	0%	-102																								
AB14950	Install ELV Switch Board	14	06-Apr-18	19-Apr-18	06-Apr-18	19-Apr-18	0%	0%	-102																								

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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)	September					October					November					December					January						
										24					25					26					27					28						
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08							
AB19160	Floor Screeding	21	14-Dec-17	06-Jan-18	14-Dec-17	06-Jan-18	0%	0%	-58																											
AB19170	Drywall (MEP consealed items, close up panel)	21	07-Jan-18	27-Jan-18	07-Jan-18	27-Jan-18	0%	0%	-58																											
General BS Installation																																				
Electrical System																																				
AB52920	MEP 1st fix - B1F Sector A	30	30-Nov-17	31-Dec-17	30-Nov-17	31-Dec-17	3.33%	0%	-58																											
AB52930	MEP 2nd fix - B1F Sector A	45	02-Jan-18	15-Feb-18	02-Jan-18	15-Feb-18	0%	0%	-58																											
AB52940	MEP Final fix - B1F Sector A	30	18-Feb-18	20-Mar-18	18-Feb-18	20-Mar-18	0%	0%	-58																											
Plumbing & Drainage																																				
AB52950	P&D 1st fix - B1F Sector A	30	30-Nov-17	31-Dec-17	30-Nov-17	31-Dec-17	3.33%	0%	-58																											
AB52960	P&D 2nd fix - B1F Sector A	45	02-Jan-18	15-Feb-18	02-Jan-18	15-Feb-18	0%	0%	-58																											
AB52970	P&D Final fix - B1F Sector A	30	18-Feb-18	20-Mar-18	18-Feb-18	20-Mar-18	0%	0%	-58																											
FS System																																				
AB52980	FS 1st fix - B1F Sector A	30	30-Nov-17	31-Dec-17	30-Nov-17	31-Dec-17	3.33%	0%	-58																											
AB52990	FS 2nd fix - B1F Sector A	45	02-Jan-18	15-Feb-18	02-Jan-18	15-Feb-18	0%	0%	-58																											
AB53000	FS Final fix - B1F Sector A	30	18-Feb-18	20-Mar-18	18-Feb-18	20-Mar-18	0%	0%	-58																											
HVAC System																																				
AB53010	HVAC 1st fix - B1F Sector A	60	30-Nov-17	31-Jan-18	30-Nov-17	31-Jan-18	1.67%	0%	-58																											
AB53020	HVAC 2nd fix - B1F Sector A	65	01-Feb-18	13-Apr-18	01-Feb-18	13-Apr-18	0%	0%	-58																											
Plantrooms																																				
MEP																																				
AB19180	Sealer on ceiling soffit & application of epoxy paint on wall	7	18-Feb-18	25-Feb-18	18-Feb-18	25-Feb-18	0%	0%	-58																											
BS Installation																																				
AB19190	MEP Room - MEP 2nd fix	14	26-Feb-18	11-Mar-18	26-Feb-18	11-Mar-18	0%	0%	-58																											
Network Operation Centre																																				
AB19250	Acoustic ceiling framework	7	18-Feb-18	25-Feb-18	18-Feb-18	25-Feb-18	0%	0%	-58																											
AB19260	Skim coat, application of epoxy paint on wall	4	26-Feb-18	01-Mar-18	26-Feb-18	01-Mar-18	0%	0%	-58																											
Central Control Equipment Room																																				
AB19330	Acoustic ceiling framework	7	18-Feb-18	25-Feb-18	18-Feb-18	25-Feb-18	0%	0%	-58																											
AB19340	Skim coat, application of epoxy paint on wall	4	26-Feb-18	01-Mar-18	26-Feb-18	01-Mar-18	0%	0%	-58																											
Central Control Centre																																				
AB19410	Acoustic ceiling framework	7	18-Feb-18	25-Feb-18	18-Feb-18	25-Feb-18	0%	0%	-58																											
AB19420	Skim coat, application of epoxy paint on wall	4	26-Feb-18	01-Mar-18	26-Feb-18	01-Mar-18	0%	0%	-58																											
Workshops, Storages & Offices																																				
Catering Cable & Chair Storage																																				
AB19480	Skim coat, application of epoxy paint on wall and sealer on soffit & floor	14	28-Jan-18	10-Feb-18	28-Jan-18	10-Feb-18	0%	0%	-58																											
AB19490	Door & ironmongeries installation	56	11-Feb-18	14-Apr-18	11-Feb-18	14-Apr-18	0%	0%	-58																											
General Storage, Events Storage, Office Supply Storage																																				
AB19500	Construction of maintenance platform at General Storage	48	07-Jan-18	26-Feb-18	07-Jan-18	26-Feb-18	0%	0%	-58																											
AB19510	Skim coat, application of epoxy paint on wall, sealer on soffit and floor	14	27-Feb-18	12-Mar-18	27-Feb-18	12-Mar-18	0%	0%	-58																											
Cash Room 1, Cash Room 2, Duty Manager's Room																																				
AB19540	Acoustic ceiling framework	14	18-Feb-18	04-Mar-18	18-Feb-18	04-Mar-18	0%	0%	-58																											
AB19550	MEP dropper	7	26-Feb-18	04-Mar-18	26-Feb-18	04-Mar-18	0%	0%	-58																											
First Aid Station																																				
AB19600	MR ceiling framework	14	18-Feb-18	04-Mar-18	18-Feb-18	04-Mar-18	0%	0%	-58																											
AB19610	MEP dropper	7	26-Feb-18	04-Mar-18	26-Feb-18	04-Mar-18	0%	0%	-58																											
Museum Cafe 1 (Concern Area 4)																																				

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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)	September					October					November					December					January	
										24					25					26					27					28	
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08		
AB50710	Expanded metal ceiling framework	28	18-Feb-18	18-Mar-18	18-Feb-18	18-Mar-18	0%	0%	-58																						
Kitchen																															
Catering Kitchen																															
AB19660	Waterproofing works	14	18-Feb-18	04-Mar-18	18-Feb-18	04-Mar-18	0%	0%	-58																						
Cafe Kitchen & Corridor (Late access)																															
AB19740	Waterproofing works	14	18-Feb-18	04-Mar-18	18-Feb-18	04-Mar-18	0%	0%	-58																						
Lobby/ Lift Lobby																															
LT-21 Lift Lobby																															
AB20070	Fire rated metal ceiling framework	21	18-Feb-18	11-Mar-18	18-Feb-18	11-Mar-18	0%	0%	-58																						
Corridors																															
Corridors (BOH)																															
AB20130	Fire rated metal ceiling framework	14	18-Feb-18	04-Mar-18	18-Feb-18	04-Mar-18	0%	0%	-58																						
AB20140	MEP dropper	7	26-Feb-18	04-Mar-18	26-Feb-18	04-Mar-18	0%	0%	-58																						
B1/F - Zone H, Zone G, Zone J, Zone K & Zone L (Sector B)																															
Plantrooms																															
Transformer Room C																															
Builders' Work																															
AB21130	Construct plinth	5	03-Jan-18	07-Jan-18	03-Jan-18	07-Jan-18	40%	0%	-90																						
AB21140	Wall rendering	9	08-Jan-18	16-Jan-18	08-Jan-18	16-Jan-18	0%	0%	-90																						
AB21150	Wall tiling (1.5m high)	10	17-Jan-18	26-Jan-18	17-Jan-18	26-Jan-18	0%	0%	-90																						
AB21160	Floor screeding	6	27-Jan-18	01-Feb-18	27-Jan-18	01-Feb-18	0%	0%	-90																						
AB21170	Installation of cable trench cover	3	02-Feb-18	04-Feb-18	02-Feb-18	04-Feb-18	0%	0%	-90																						
AB21180	Sealer on ceiling soffit & application of epoxy paint on wall	6	05-Feb-18	10-Feb-18	05-Feb-18	10-Feb-18	0%	0%	-90																						
BS Installation																															
AB21190	Transformer Room C - MEP 2nd fix	30	11-Feb-18	15-Mar-18	11-Feb-18	15-Mar-18	0%	0%	-90																						
AB21200	Inspection by CLP	14	16-Mar-18	29-Mar-18	16-Mar-18	29-Mar-18	0%	0%	-90																						
AHU Room																															
Builders' Work																															
AB53180	Steel Post	7	03-Jan-18	09-Jan-18	03-Jan-18	09-Jan-18	28.57%	0%	-90																						
AB53190	Blockwall	14	10-Jan-18	23-Jan-18	10-Jan-18	23-Jan-18	0%	0%	-90																						
AB53200	Wall Plastering	14	24-Jan-18	06-Feb-18	24-Jan-18	06-Feb-18	0%	0%	-90																						
AB53210	Floor Screeding	10	07-Feb-18	18-Feb-18	07-Feb-18	18-Feb-18	0%	0%	-90																						
AB53220	Sealer on ceiling soffit & application of epoxy paint on wall	7	20-Feb-18	26-Feb-18	20-Feb-18	26-Feb-18	0%	0%	-90																						
BS Installation																															
AB21240	AHU Room - MEP 2nd fix	14	27-Feb-18	12-Mar-18	27-Feb-18	12-Mar-18	0%	0%	-90																						
AB21250	AHU Room - Install AHU system	30	13-Mar-18	15-Apr-18	13-Mar-18	15-Apr-18	0%	0%	-90																						
ELV																															
Builders' Work																															
AB53230	Steel Post	7	03-Jan-18	09-Jan-18	03-Jan-18	09-Jan-18	28.57%	0%	-90																						
AB53240	Blockwall	7	10-Jan-18	16-Jan-18	10-Jan-18	16-Jan-18	0%	0%	-90																						
AB53250	Wall Plastering	7	17-Jan-18	23-Jan-18	17-Jan-18	23-Jan-18	0%	0%	-90																						
AB53260	Floor Screeding	10	24-Jan-18	02-Feb-18	24-Jan-18	02-Feb-18	0%	0%	-90																						
AB53270	Sealer on ceiling soffit & application of epoxy paint on wall	7	03-Feb-18	09-Feb-18	03-Feb-18	09-Feb-18	0%	0%	-90																						
BS Installation																															
AB21300	ELV Room - MEP 2nd fix	14	10-Feb-18	26-Feb-18	10-Feb-18	26-Feb-18	0%	0%	-90																						
AB21310	ELV Room - Install ELV system	30	27-Feb-18	28-Mar-18	27-Feb-18	28-Mar-18	0%	0%	-90																						

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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)	September					October					November					December					January			
										24					25					26					27					28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08				
Final Finishes																																	
AB21320	Final coat of paint on ceiling & wall	3	29-Mar-18	03-Apr-18	29-Mar-18	03-Apr-18	0%	0%	-90																								
AB21330	Sealer on floor	3	04-Apr-18	07-Apr-18	04-Apr-18	07-Apr-18	0%	0%	-90																								
ICT																																	
Builders' Work																																	
AB53280	Steel Post	7	03-Jan-18	09-Jan-18	03-Jan-18	09-Jan-18	28.57%	0%	-90	AB53280																							
AB53290	Blockwall	7	10-Jan-18	16-Jan-18	10-Jan-18	16-Jan-18	0%	0%	-90	AB53290																							
AB53300	Wall Plastering	7	17-Jan-18	23-Jan-18	17-Jan-18	23-Jan-18	0%	0%	-90	AB53300																							
AB53310	Floor Screeding	10	24-Jan-18	02-Feb-18	24-Jan-18	02-Feb-18	0%	0%	-90	AB53310																							
AB53320	Sealer on ceiling soffit & application of epoxy paint on wall	7	10-Feb-18	18-Feb-18	10-Feb-18	18-Feb-18	0%	0%	-90																								
BS Installation																																	
AB21360	ICT Room - MEP 2nd fix	14	20-Feb-18	05-Mar-18	20-Feb-18	05-Mar-18	0%	0%	-90																								
AB21370	ICT Room - MEP final fix	14	06-Mar-18	19-Mar-18	06-Mar-18	19-Mar-18	0%	0%	-90																								
Final Finishes																																	
AB21380	Final coat of paint on wall	3	20-Mar-18	22-Mar-18	20-Mar-18	22-Mar-18	0%	0%	-90																								
AB21390	Sealer on floor	3	23-Mar-18	25-Mar-18	23-Mar-18	25-Mar-18	0%	0%	-90																								
ELV Lead-in Room																																	
Builders' Work																																	
AB53330	Steel Post	7	03-Jan-18	09-Jan-18	03-Jan-18	09-Jan-18	28.57%	0%	-90	AB53330																							
AB53340	Blockwall	7	10-Jan-18	16-Jan-18	10-Jan-18	16-Jan-18	0%	0%	-90	AB53340																							
AB53350	Wall Plastering	7	17-Jan-18	23-Jan-18	17-Jan-18	23-Jan-18	0%	0%	-90	AB53350																							
AB53360	Floor Screeding	10	24-Jan-18	02-Feb-18	24-Jan-18	02-Feb-18	0%	0%	-90	AB53360																							
AB53370	Sealer on ceiling soffit & application of epoxy paint on wall	7	03-Feb-18	09-Feb-18	03-Feb-18	09-Feb-18	0%	0%	-90	AB53370																							
BS Installation																																	
AB21420	ELV Lead-in Room - MEP 2nd fix	14	10-Feb-18	26-Feb-18	10-Feb-18	26-Feb-18	0%	0%	-90	AB21420																							
AB21430	ELV Lead-in Room - MEP final fix	14	27-Feb-18	12-Mar-18	27-Feb-18	12-Mar-18	0%	0%	-90	AB21430																							
Final Finishes																																	
AB21440	Final coat of paint on wall	3	13-Mar-18	15-Mar-18	13-Mar-18	15-Mar-18	0%	0%	-90	AB21440																							
AB21450	Sealer on floor	3	16-Mar-18	18-Mar-18	16-Mar-18	18-Mar-18	0%	0%	-90	AB21450																							
B1/F - Zone A1, Zone A4 & Zone A5 (Sector C)																																	
Plantrooms																																	
Transformer Room B																																	
Builders' Work																																	
AB16680	Construct plinth	5	01-Oct-17	07-Oct-17	01-Oct-17	07-Oct-17	100%	0%	-132	AB16680																							
AB16710	Floor screeding	4	09-Sep-17	12-Sep-17	02-Sep-17 A	04-Sep-17 A	100%	100%	-86	AB16710																							
AB16720	Installation of cable trench cover	10	13-Sep-17	22-Sep-17	04-Sep-17 A	01-Oct-17	100%	95%	-104	AB16720																							
AB16730	Sealer on ceiling soffit & application of epoxy paint on wall	6	16-Jul-17	21-Jul-17	29-Apr-17 A	09-Sep-17 A	100%	100%	-75	AB16730																							
BS Installation																																	
AB16740	Transformer Room B - MEP 2nd fix	14	15-May-17	28-May-17	15-May-17 A	12-Oct-17	100%	50%	-131	AB16740																							
AB16750	Inspection by CLP	14	13-Oct-17	26-Oct-17	13-Oct-17	26-Oct-17	100%	0%	-131	AB16750																							
AB53500	H/O TX Room B to CLP	0	27-Oct-17		27-Oct-17		100%	0%	-131	AB53500																							
AB53510	CLP Installation for TX Room B	90	27-Oct-17	28-Jan-18	27-Oct-17	28-Jan-18	100%	0%	-131	AB53510																							
AB53520	TX Room B Power ON	0		05-Feb-18		05-Feb-18	100%	0%	-132	AB53520																							
Final Finishes																																	
AB16760	Final coat of paint on ceiling & wall	3	06-Feb-18	08-Feb-18	06-Feb-18	08-Feb-18	100%	0%	-132	AB16760																							
AB16770	Door & ironmongeries installation	3	11-Jan-18	13-Jan-18	31-Aug-17 A	03-Oct-17	100%	30%	-6	AB16770																							

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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)	September					October					November					December					January								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
Transformer Room A																																						
Builders' Work																																						
AB16780	Construct plinth	5	01-Oct-17	07-Oct-17	01-Oct-17	07-Oct-17	100%	0%	-132																													
AB16810	Floor screeding	4	09-Sep-17	12-Sep-17	02-Sep-17 A	04-Sep-17 A	100%	100%	-86																													
AB16820	Installation of cable trench cover	10	13-Sep-17	22-Sep-17	04-Sep-17 A	01-Oct-17	100%	0%	-104																													
AB16830	Sealer on ceiling soffit & application of epoxy paint on wall	6	16-Jul-17	21-Jul-17	29-Apr-17 A	11-Sep-17 A	100%	100%	-77																													
BS Installation																																						
AB16840	Transformer Room A - MEP 2nd fix	14	22-Jul-17	04-Aug-17	15-May-17 A	11-Oct-17	100%	50%	-92																													
AB16850	Inspection by CLP	14	12-Oct-17	25-Oct-17	12-Oct-17	25-Oct-17	100%	0%	-92																													
AB53530	H/O TX Room A to CLP	0	26-Oct-17		26-Oct-17		100%	0%	-92																													
AB53540	CLP Installation for TX Room A	90	26-Oct-17	27-Jan-18	26-Oct-17	27-Jan-18	76.67%	0%	-92																													
AB53550	TX Room A Power ON	0		05-Feb-18		05-Feb-18	0%	0%	-101																													
Final Finishes																																						
AB16860	Final coat of paint on ceiling & wall	3	06-Feb-18	08-Feb-18	06-Feb-18	08-Feb-18	0%	0%	-101																													
AB16870	Door & ironmongeries installation	3	09-Feb-18	11-Feb-18	09-Feb-18	11-Feb-18	0%	0%	-101																													
LV Switch Room 1 & 2																																						
Builders' Work																																						
AB16900	Wall tiling (1.5m high)	10	01-Oct-17	12-Oct-17	01-Oct-17	12-Oct-17	100%	0%	-123																													
BS Installation																																						
AB16930	LV Switch Room 1 & 2 - MEP 2nd fix	14	01-Oct-17	16-Oct-17	01-Oct-17	16-Oct-17	100%	0%	-103																													
AB16940	LV Switch Room 1 & 2 - Main Switch Board 1 & 2 Site Test	8	17-Oct-17	24-Oct-17	17-Oct-17	24-Oct-17	100%	0%	-103																													
AB53560	LV Switch Room 1 & 2 - Install Main Switch Board 1 & 2	60	25-Oct-17	24-Dec-17	25-Oct-17	24-Dec-17	100%	0%	-103																													
Final Finishes																																						
AB16950	Final coat of paint on ceiling & wall	3	27-Dec-17	29-Dec-17	27-Dec-17	29-Dec-17	100%	0%	-103																													
AB16960	Door & ironmongeries installation	3	12-Feb-18	14-Feb-18	12-Feb-18	14-Feb-18	0%	0%	-101																													
CBS Room																																						
Builder's Work																																						
AB16970	Construct plinth	5	01-Oct-17	07-Oct-17	01-Oct-17	07-Oct-17	100%	0%	-132																													
AB16980	Wall rendering	9	08-Oct-17	16-Oct-17	08-Oct-17	16-Oct-17	100%	0%	-132																													
AB16990	Wall tiling (1.5m high)	10	17-Oct-17	26-Oct-17	17-Oct-17	26-Oct-17	100%	0%	-132																													
AB17000	Floor screeding	4	27-Oct-17	31-Oct-17	27-Oct-17	31-Oct-17	100%	0%	-132																													
AB17010	Sealer on ceiling soffit & application of epoxy paint on wall	6	01-Nov-17	06-Nov-17	01-Nov-17	06-Nov-17	100%	0%	-132																													
BS Installation																																						
AB17020	CBS Room - MEP 2nd fix	14	07-Nov-17	20-Nov-17	07-Nov-17	20-Nov-17	100%	0%	-132																													
AB17030	CBS Room - CBS Installation & Termination	60	21-Nov-17	22-Jan-18	21-Nov-17	22-Jan-18	100%	0%	-132																													
AB17035	CBS Room - T & C for CBS System	14	23-Jan-18	05-Feb-18	23-Jan-18	05-Feb-18	100%	0%	-132																													
Final Finishes																																						
AB17040	Final coat of paint on ceiling & wall	3	06-Feb-18	08-Feb-18	06-Feb-18	08-Feb-18	100%	0%	-132																													
AB17050	Door & ironmongeries installation	3	15-Feb-18	20-Feb-18	15-Feb-18	20-Feb-18	0%	0%	-101																													
Main I.T. Room																																						
Builder's Work																																						
AB53570	Construct plinth	5	01-Oct-17	07-Oct-17	01-Oct-17	07-Oct-17	100%	0%	-132																													
AB53580	Wall rendering	9	21-Sep-17	29-Sep-17	11-Sep-17 A	06-Oct-17	100%	65%	-122																													
AB53590	Wall tiling (1.5m high)	10	07-Oct-17	16-Oct-17	07-Oct-17	16-Oct-17	100%	0%	-122																													
AB53600	Floor screeding	4	17-Oct-17	20-Oct-17	17-Oct-17	20-Oct-17	100%	0%	-122																													
AB53610	Sealer on ceiling soffit & application of epoxy paint on wall	6	16-Oct-17	21-Oct-17	14-Sep-17 A	06-Oct-17	100%	20%	-102																													

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January		
										24					25					26					27					28		
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08			
BS Installation																																
AB17070	Main I.T. Room - MEP 2nd fix	14	07-Oct-17	20-Oct-17	07-Oct-17	20-Oct-17	100%	0%	-102																							
AB17080	Main I.T. Room - MEP Final fix	14	21-Oct-17	04-Nov-17	21-Oct-17	04-Nov-17	100%	0%	-102																							
Final Finishes																																
AB17090	Final coat of paint on wall	3	05-Nov-17	07-Nov-17	05-Nov-17	07-Nov-17	100%	0%	-102																							
AB17100	Door & ironmongeries installation	3	21-Feb-18	23-Feb-18	21-Feb-18	23-Feb-18	0%	0%	-101																							
TBE																																
Builder's Work																																
AB53620	Construct plinth	5	01-Oct-17	07-Oct-17	01-Oct-17	07-Oct-17	100%	0%	-132																							
AB53630	Wall rendering	9	21-Sep-17	29-Sep-17	11-Sep-17 A	07-Oct-17	100%	50%	-123																							
AB53640	Wall tiling (1.5m high)	10	08-Oct-17	17-Oct-17	08-Oct-17	17-Oct-17	100%	0%	-123																							
AB53650	Floor screeding	4	18-Oct-17	21-Oct-17	18-Oct-17	21-Oct-17	100%	0%	-123																							
AB53660	Sealer on ceiling soffit & application of epoxy paint on wall	6	16-Oct-17	21-Oct-17	14-Sep-17 A	06-Oct-17	100%	0%	-102																							
BS Installation																																
AB17130	TBE Room - MEP 2nd fix	14	07-Oct-17	20-Oct-17	07-Oct-17	20-Oct-17	100%	0%	-102																							
AB17140	TBE Room - MEP final fix	14	21-Oct-17	04-Nov-17	21-Oct-17	04-Nov-17	100%	0%	-102																							
Final Finishes																																
AB17150	Final coat of paint on wall	3	05-Nov-17	07-Nov-17	05-Nov-17	07-Nov-17	100%	0%	-102																							
AB17160	Sealer on floor	3	08-Nov-17	10-Nov-17	08-Nov-17	10-Nov-17	100%	0%	-102																							
AB17170	Door & ironmongeries installation	3	24-Feb-18	26-Feb-18	24-Feb-18	26-Feb-18	0%	0%	-101																							
ELV																																
Builders' Work																																
AB53670	Construct plinth	5	01-Oct-17	07-Oct-17	01-Oct-17	07-Oct-17	100%	0%	-132																							
AB53680	Wall rendering	9	08-Oct-17	16-Oct-17	08-Oct-17	16-Oct-17	100%	0%	-132																							
AB53690	Wall tiling (1.5m high)	10	17-Oct-17	26-Oct-17	17-Oct-17	26-Oct-17	100%	0%	-132																							
AB53700	Floor screeding	4	27-Oct-17	31-Oct-17	27-Oct-17	31-Oct-17	100%	0%	-132																							
AB53710	Sealer on ceiling soffit & application of epoxy paint on wall	6	01-Nov-17	06-Nov-17	01-Nov-17	06-Nov-17	100%	0%	-132																							
BS Installation																																
AB17190	ELV Room - MEP 2nd fix	14	07-Nov-17	20-Nov-17	07-Nov-17	20-Nov-17	100%	0%	-132																							
AB17200	ELV Room - Install ELV system	30	21-Nov-17	20-Dec-17	21-Nov-17	20-Dec-17	100%	0%	-132																							
Final Finishes																																
AB17210	Final coat of paint on ceiling & wall	3	21-Dec-17	23-Dec-17	21-Dec-17	23-Dec-17	100%	0%	-132																							
AB17220	Sealer on floor	3	24-Dec-17	28-Dec-17	24-Dec-17	28-Dec-17	100%	0%	-132																							
AB17230	Door & ironmongeries installation	3	27-Feb-18	01-Mar-18	27-Feb-18	01-Mar-18	0%	0%	-101																							
ICT Riser																																
Builders' Work																																
AB53720	Construct plinth	5	01-Oct-17	07-Oct-17	01-Oct-17	07-Oct-17	100%	0%	-132																							
AB53730	Wall rendering	9	08-Oct-17	16-Oct-17	08-Oct-17	16-Oct-17	100%	0%	-132																							
AB53740	Wall tiling (1.5m high)	10	17-Oct-17	26-Oct-17	17-Oct-17	26-Oct-17	100%	0%	-132																							
AB53750	Floor screeding	4	27-Oct-17	31-Oct-17	27-Oct-17	31-Oct-17	100%	0%	-132																							
AB53760	Sealer on ceiling soffit & application of epoxy paint on wall	6	01-Nov-17	06-Nov-17	01-Nov-17	06-Nov-17	100%	0%	-132																							
BS Installation																																
AB17250	ICT Riser - MEP 2nd fix	14	07-Nov-17	20-Nov-17	07-Nov-17	20-Nov-17	100%	0%	-132																							
AB17260	ICT Riser - MEP final fix	14	21-Nov-17	04-Dec-17	21-Nov-17	04-Dec-17	100%	0%	-132																							
Final Finishes																																
AB17270	Final coat of paint on wall	3	05-Dec-17	07-Dec-17	05-Dec-17	07-Dec-17	100%	0%	-132																							

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January								
										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
AB20555	Carriageway LV Switch Room - Install Carriageway LV Switchboard	60	12-Dec-17	12-Feb-18	12-Dec-17	12-Feb-18	0%	0%	-59																													
Final Finishes																																						
AB20560	Final coat of paint on wall	3	13-Feb-18	15-Feb-18	13-Feb-18	15-Feb-18	0%	0%	-59																													
AB20570	Sealer on floor	3	18-Feb-18	21-Feb-18	18-Feb-18	21-Feb-18	0%	0%	-59																													
B1/F - Zone GFT5 (Sector F)																																						
General Builders' Work																																						
AB18650	Steel Post	10	20-Oct-17	30-Oct-17	20-Oct-17	30-Oct-17	100%	0%	-88																													
AB18660	Blockwall	14	31-Oct-17	13-Nov-17	31-Oct-17	13-Nov-17	100%	0%	-88																													
AB18670	Wall Plastering	14	14-Nov-17	27-Nov-17	14-Nov-17	27-Nov-17	100%	0%	-88																													
AB18680	Floor Screeding	21	28-Nov-17	18-Dec-17	28-Nov-17	18-Dec-17	100%	0%	-88																													
General BS Installation																																						
Electrical System																																						
AB53940	MEP 1st fix - B1F Sector F	30	14-Nov-17	13-Dec-17	14-Nov-17	13-Dec-17	100%	0%	-88																													
AB53950	MEP 2nd fix - B1F Sector F	45	14-Dec-17	30-Jan-18	14-Dec-17	30-Jan-18	37.78%	0%	-88																													
AB53960	MEP Final fix - B1F Sector F	30	31-Jan-18	04-Mar-18	31-Jan-18	04-Mar-18	0%	0%	-88																													
Plumbing & Drainage																																						
AB53970	P&D 1st fix - B1F Sector F	30	14-Nov-17	13-Dec-17	14-Nov-17	13-Dec-17	100%	0%	-88																													
AB53980	P&D 2nd fix - B1F Sector F	45	14-Dec-17	30-Jan-18	14-Dec-17	30-Jan-18	37.78%	0%	-88																													
AB53990	P&D Final fix - B1F Sector F	30	31-Jan-18	04-Mar-18	31-Jan-18	04-Mar-18	0%	0%	-88																													
FS System																																						
AB54000	FS 1st fix - B1F Sector F	30	14-Nov-17	13-Dec-17	14-Nov-17	13-Dec-17	100%	0%	-88																													
AB54010	FS 2nd fix - B1F Sector F	45	14-Dec-17	30-Jan-18	14-Dec-17	30-Jan-18	37.78%	0%	-88																													
AB54020	FS Final fix - B1F Sector F	30	31-Jan-18	04-Mar-18	31-Jan-18	04-Mar-18	0%	0%	-88																													
HVAC System																																						
AB54030	HVAC 1st fix - B1F Sector F	30	14-Nov-17	13-Dec-17	14-Nov-17	13-Dec-17	100%	0%	-88																													
AB54040	HVAC 2nd fix - B1F Sector F	45	14-Dec-17	30-Jan-18	14-Dec-17	30-Jan-18	37.78%	0%	-88																													
AB54050	HVAC Final fix - B1F Sector F	30	31-Jan-18	04-Mar-18	31-Jan-18	04-Mar-18	0%	0%	-88																													
Plantrooms																																						
Carriageway SEF Room																																						
Builders' Work																																						
AB18690	Sealer on ceiling soffit & on wall	7	19-Dec-17	27-Dec-17	19-Dec-17	27-Dec-17	100%	0%	-88																													
BS Installation																																						
AB18700	Carriageway SEF Room - MEP 2nd fix	14	28-Dec-17	11-Jan-18	28-Dec-17	11-Jan-18	35.71%	0%	-88																													
AB18710	Carriageway SEF Room - MEP final fix	14	12-Jan-18	25-Jan-18	12-Jan-18	25-Jan-18	0%	0%	-88																													
Final Finishes																																						
AB18720	Final coat of paint on wall	3	26-Jan-18	28-Jan-18	26-Jan-18	28-Jan-18	0%	0%	-88																													
AB18730	Sealer on floor	3	29-Jan-18	31-Jan-18	29-Jan-18	31-Jan-18	0%	0%	-88																													
AB18740	Door & ironmongeries installation	3	01-Feb-18	03-Feb-18	01-Feb-18	03-Feb-18	0%	0%	-88																													
Master Meter Room																																						
Builders' Work																																						
AB18750	Sealer on ceiling soffit & on wall	7	28-Dec-17	04-Jan-18	28-Dec-17	04-Jan-18	71.43%	0%	-88																													
BS Installation																																						
AB18760	Master Meter Room - MEP 2nd fix	14	05-Jan-18	18-Jan-18	05-Jan-18	18-Jan-18	0%	0%	-88																													
AB18770	Master Meter Room - MEP final fix	14	19-Jan-18	01-Feb-18	19-Jan-18	01-Feb-18	0%	0%	-88																													
Final Finishes																																						
AB18780	Final coat of paint on ceiling & wall	3	02-Feb-18	04-Feb-18	02-Feb-18	04-Feb-18	0%	0%	-88																													

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January			
										24					25					26					27					28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08				
AB18790	Sealer on floor	3	05-Feb-18	07-Feb-18	05-Feb-18	07-Feb-18	0%	0%	-88																								
AB18800	Door & ironmongeries installation	3	08-Feb-18	10-Feb-18	08-Feb-18	10-Feb-18	0%	0%	-88																								
Generator & Fuel Tanks																																	
Builders' Work																																	
AB54060	Waterproofing & water test	12	20-Oct-17	01-Nov-17	20-Oct-17	01-Nov-17	100%	0%	-88																								
AB54070	Plastering work (inside tank)	10	02-Nov-17	11-Nov-17	02-Nov-17	11-Nov-17	100%	0%	-88																								
AB54080	Wall & floor tiling	14	12-Nov-17	25-Nov-17	12-Nov-17	25-Nov-17	100%	0%	-88																								
AB54090	Application of sealer on soffit (outside tank)	7	26-Nov-17	02-Dec-17	26-Nov-17	02-Dec-17	100%	0%	-88																								
AB54100	Cat ladder	7	03-Dec-17	09-Dec-17	03-Dec-17	09-Dec-17	100%	0%	-88																								
AB54110	Hatch cover	7	10-Dec-17	16-Dec-17	10-Dec-17	16-Dec-17	100%	0%	-88																								
Oil Pump Room & Day Tanks																																	
Builder's Work																																	
AB54120	Waterproofing & water test	12	20-Oct-17	01-Nov-17	20-Oct-17	01-Nov-17	100%	0%	-88																								
AB54130	Plastering work (inside tank)	10	02-Nov-17	11-Nov-17	02-Nov-17	11-Nov-17	100%	0%	-88																								
AB54140	Wall & floor tiling	14	12-Nov-17	25-Nov-17	12-Nov-17	25-Nov-17	100%	0%	-88																								
AB54150	Application of sealer on soffit (outside tank)	7	26-Nov-17	02-Dec-17	26-Nov-17	02-Dec-17	100%	0%	-88																								
AB54160	Cat ladder	7	03-Dec-17	09-Dec-17	03-Dec-17	09-Dec-17	100%	0%	-88																								
AB54170	Hatch cover	7	10-Dec-17	16-Dec-17	10-Dec-17	16-Dec-17	100%	0%	-88																								
BS Installation																																	
AB18880	Oil Pump Room - MEP 2nd fix	14	03-Dec-17	16-Dec-17	03-Dec-17	16-Dec-17	100%	0%	-88																								
AB18890	Oil Pump Room - Install Oil Pump Set & SAT	30	17-Dec-17	18-Jan-18	17-Dec-17	18-Jan-18	46.67%	0%	-88																								
Final Finishes																																	
AB18900	Final coat of paint on wall	3	19-Jan-18	21-Jan-18	19-Jan-18	21-Jan-18	0%	0%	-88																								
AB18910	Sealer on floor	3	22-Jan-18	24-Jan-18	22-Jan-18	24-Jan-18	0%	0%	-88																								
AB18920	Door & ironmongeries installation	3	25-Jan-18	27-Jan-18	25-Jan-18	27-Jan-18	0%	0%	-88																								
EV Charger Meter Room																																	
Builder's Work																																	
AB18930	Sealer on ceiling soffit & application of epoxy paint on wall	7	28-Dec-17	04-Jan-18	28-Dec-17	04-Jan-18	71.43%	0%	-88																								
BS Installation																																	
AB18940	EV Charger Meter Room - MEP 2nd fix	14	05-Jan-18	18-Jan-18	05-Jan-18	18-Jan-18	0%	0%	-88																								
AB18950	EV Charger Meter Room - MEP 3rd fix	14	19-Jan-18	01-Feb-18	19-Jan-18	01-Feb-18	0%	0%	-88																								
Final Finishes																																	
AB18960	Final coat of paint on wall	3	02-Feb-18	04-Feb-18	02-Feb-18	04-Feb-18	0%	0%	-88																								
AB18970	Sealer on floor	3	05-Feb-18	07-Feb-18	05-Feb-18	07-Feb-18	0%	0%	-88																								
AB18980	Door & ironmongeries installation	3	08-Feb-18	10-Feb-18	08-Feb-18	10-Feb-18	0%	0%	-88																								
DG Store																																	
Builders' Work																																	
AB18990	Sealer on ceiling soffit & application of epoxy paint on wall	7	05-Jan-18	11-Jan-18	05-Jan-18	11-Jan-18	0%	0%	-88																								
BS Installation																																	
AB19000	DG Store - MEP 2nd fix	14	12-Jan-18	25-Jan-18	12-Jan-18	25-Jan-18	0%	0%	-88																								
AB19010	DG Store - MEP final fix	14	26-Jan-18	08-Feb-18	26-Jan-18	08-Feb-18	0%	0%	-88																								
Final Finishes																																	
AB19020	Final coat of paint on wall	3	09-Feb-18	11-Feb-18	09-Feb-18	11-Feb-18	0%	0%	-88																								
AB19030	Sealer on floor	3	12-Feb-18	14-Feb-18	12-Feb-18	14-Feb-18	0%	0%	-88																								
AB19040	Door & ironmongeries installation	3	15-Feb-18	20-Feb-18	15-Feb-18	20-Feb-18	0%	0%	-88																								
Lobby/ Lift Lobby																																	

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December				January			
										24					25				26				27				28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	
Fireman's Lift Lobby (LT-55), Public Lift Lobby (LT-71, 72, 73) & Corridor																														
AB19060	Fire rated metal ceiling framework	21	31-Jan-18	23-Feb-18	31-Jan-18	23-Feb-18	0%	0%	-88																					
AB19070	MEP dropper	7	14-Feb-18	23-Feb-18	14-Feb-18	23-Feb-18	0%	0%	-88																					
AB19080	Fire rated metal ceiling close-up	14	24-Feb-18	09-Mar-18	24-Feb-18	09-Mar-18	0%	0%	-88																					
AB19090	Application of sealer on wall & floor	14	10-Mar-18	23-Mar-18	10-Mar-18	23-Mar-18	0%	0%	-88																					
AB19100	Door & ironmongeries installation	7	24-Mar-18	01-Apr-18	24-Mar-18	01-Apr-18	0%	0%	-88																					
B1/F - Zone GFU2 (Sector G)																														
Plantrooms																														
RDE Transformer Room																														
Builders' Work																														
AB18060	Construct plinth	5	01-Oct-17	07-Oct-17	01-Oct-17	07-Oct-17	100%	0%	-85																					
AB18070	Wall rendering	8	07-Sep-17	14-Sep-17	25-Aug-17 A	31-Aug-17 A	100%	100%	-41																					
AB18080	Wall tiling (1.5m high)	10	15-Sep-17	24-Sep-17	28-Aug-17 A	09-Sep-17 A	100%	100%	-40																					
AB18090	Floor screeding	8	25-Sep-17	03-Oct-17	30-Aug-17 A	01-Sep-17 A	100%	100%	-24																					
AB18100	Installation of cable trench cover	4	04-Oct-17	08-Oct-17	31-Aug-17 A	31-Aug-17 A	100%	100%	-19																					
AB18110	Sealer on ceiling soffit & application of epoxy paint on wall	6	09-Sep-17	14-Sep-17	01-Sep-17 A	11-Sep-17 A	100%	100%	-24																					
BS Installation																														
AB18120	RDE Transformer Room - MEP 2nd fix	14	29-Sep-17	14-Oct-17	14-Aug-17 A	24-Sep-17 A	100%	100%	-24																					
AB18130	Inspection by CLP	14	01-Oct-17	16-Oct-17	18-Sep-17 A	11-Oct-17	100%	0%	-25																					
AB54300	H/O RDE TX Room to CLP	0	12-Oct-17		12-Oct-17		100%	0%	-25																					
AB54310	CLP Installation for RDE TX Room	60	12-Oct-17	11-Dec-17	12-Oct-17	11-Dec-17	26.67%	0%	-25																					
AB54320	RDE TX Room Power ON	0		31-Jan-18		31-Jan-18	0%	0%	-73																					
Final Finishes																														
AB18140	Final coat of paint on wall	3	01-Feb-18	03-Feb-18	01-Feb-18	03-Feb-18	0%	0%	-73																					
AB18150	Door & ironmongeries installation	3	04-Feb-18	06-Feb-18	04-Feb-18	06-Feb-18	0%	0%	-73																					
LV Switch Room																														
Builder's Work																														
AB18160	Construct plinth	5	01-Oct-17	07-Oct-17	01-Oct-17	07-Oct-17	100%	0%	-85																					
AB18200	Sealer on ceiling soffit & application of epoxy paint on wall	7	30-Sep-17	08-Oct-17	30-Aug-17 A	01-Sep-17 A	100%	100%	-20																					
BS Installation																														
AB18210	RDE LV Switch Room - MEP 2nd fix	14	01-Oct-17	16-Oct-17	01-Oct-17	16-Oct-17	100%	0%	-50																					
AB18220	RDE LV Switch Room - Site test for LV Switchboard	8	17-Oct-17	24-Oct-17	17-Oct-17	24-Oct-17	100%	0%	-50																					
AB18225	RDE LV Switch Room - Main LV Switchboard Installation	60	25-Oct-17	24-Dec-17	25-Oct-17	24-Dec-17	46.67%	0%	-50																					
Final Finishes																														
AB18230	Final coat of paint on wall	3	27-Dec-17	29-Dec-17	27-Dec-17	29-Dec-17	0%	0%	-50																					
AB18240	Door & ironmongeries installation	3	07-Feb-18	09-Feb-18	07-Feb-18	09-Feb-18	0%	0%	-73																					
ELV Room																														
Builder's Work																														
AB18370	Sealer on ceiling soffit & on wall	7	09-Dec-17	15-Dec-17	09-Dec-17	15-Dec-17	100%	0%	-85																					
BS Installation																														
AB18380	ELV Room - MEP 2nd fix	14	16-Dec-17	31-Dec-17	16-Dec-17	31-Dec-17	85.71%	0%	-85																					
AB18390	ELV Room - Install ELV System	30	02-Jan-18	31-Jan-18	02-Jan-18	31-Jan-18	0%	0%	-85																					
Final Finishes																														
AB18400	Final coat of paint on wall	3	01-Feb-18	03-Feb-18	01-Feb-18	03-Feb-18	0%	0%	-85																					
AB18410	Sealer on floor	3	04-Feb-18	06-Feb-18	04-Feb-18	06-Feb-18	0%	0%	-85																					
AB18420	Door & ironmongeries installation	3	18-Feb-18	21-Feb-18	18-Feb-18	21-Feb-18	0%	0%	-73																					

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December				January			
										24					25				26				27				28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	
Carriageway SEF Room																														
Builders' Work																														
AB18250	Sealer on ceiling soffit & on wall	7	09-Dec-17	15-Dec-17	09-Dec-17	15-Dec-17	100%	0%	-85	AB18250																				
BS Installation																														
AB18260	Carriageway SEF Room - MEP 2nd fix	14	16-Dec-17	31-Dec-17	16-Dec-17	31-Dec-17	85.71%	0%	-85	AB18260																				
AB18270	Carriageway SEF Room - MEP final fix	14	02-Jan-18	15-Jan-18	02-Jan-18	15-Jan-18	0%	0%	-85	AB18270																				
Final Finishes																														
AB18280	Final coat of paint on wall	3	16-Jan-18	18-Jan-18	16-Jan-18	18-Jan-18	0%	0%	-85	AB18280																				
AB18290	Sealer on floor	3	19-Jan-18	21-Jan-18	19-Jan-18	21-Jan-18	0%	0%	-85	AB18290																				
AB18300	Door & ironmongeries installation	3	10-Feb-18	12-Feb-18	10-Feb-18	12-Feb-18	0%	0%	-73	AB18300																				
RDE ELE Room & Lobby																														
Builders' Work																														
AB18310	Sealer on ceiling soffit & on wall	7	16-Dec-17	22-Dec-17	16-Dec-17	22-Dec-17	100%	0%	-85	AB18310																				
BS Installation																														
AB18320	RDE ELE Room & Lobby - MEP 2nd fix	14	23-Dec-17	08-Jan-18	23-Dec-17	08-Jan-18	35.71%	0%	-85	AB18320																				
AB18330	RDE ELE Room & Lobby - MEP final fix	14	09-Jan-18	22-Jan-18	09-Jan-18	22-Jan-18	0%	0%	-85	AB18330																				
Final Finishes																														
AB18340	Final coat of paint on wall	3	23-Jan-18	25-Jan-18	23-Jan-18	25-Jan-18	0%	0%	-85	AB18340																				
AB18350	Sealer on floor	3	26-Jan-18	28-Jan-18	26-Jan-18	28-Jan-18	0%	0%	-85	AB18350																				
AB18360	Door & ironmongeries installation	3	13-Feb-18	15-Feb-18	13-Feb-18	15-Feb-18	0%	0%	-73	AB18360																				
ICT																														
Builders' Work																														
AB18430	Sealer on ceiling soffit & on wall	7	16-Dec-17	22-Dec-17	16-Dec-17	22-Dec-17	100%	0%	-85	AB18430																				
BS Installation																														
AB18440	ICT Room - MEP 2nd fix	14	23-Dec-17	08-Jan-18	23-Dec-17	08-Jan-18	35.71%	0%	-85	AB18440																				
AB18450	ICT Room - MEP final fix	14	09-Jan-18	22-Jan-18	09-Jan-18	22-Jan-18	0%	0%	-85	AB18450																				
Final Finishes																														
AB18460	Final coat of paint on wall	3	23-Jan-18	25-Jan-18	23-Jan-18	25-Jan-18	0%	0%	-85	AB18460																				
AB18470	Sealer on floor	3	26-Jan-18	28-Jan-18	26-Jan-18	28-Jan-18	0%	0%	-85	AB18470																				
AB18480	Door & ironmongeries installation	3	22-Feb-18	24-Feb-18	22-Feb-18	24-Feb-18	0%	0%	-73	AB18480																				
Lighting Control Centre																														
Builders' Work																														
AB18490	Sealer on ceiling soffit & on wall	7	23-Dec-17	31-Dec-17	23-Dec-17	31-Dec-17	71.43%	0%	-85	AB18490																				
BS Installation																														
AB18500	Lighting Control Centre - MEP 2nd fix	14	02-Jan-18	15-Jan-18	02-Jan-18	15-Jan-18	0%	0%	-85	AB18500																				
AB18510	Lighting Control Centre - MEP 3rd fix	14	16-Jan-18	29-Jan-18	16-Jan-18	29-Jan-18	0%	0%	-85	AB18510																				
Final Finishes																														
AB18520	Final coat of paint on wall	3	30-Jan-18	01-Feb-18	30-Jan-18	01-Feb-18	0%	0%	-85	AB18520																				
AB18530	Sealer on floor	3	02-Feb-18	04-Feb-18	02-Feb-18	04-Feb-18	0%	0%	-85	AB18530																				
AB18540	Door & ironmongeries installation	3	25-Feb-18	27-Feb-18	25-Feb-18	27-Feb-18	0%	0%	-73	AB18540																				
General Builders' Work																														
AB18020	Steel Post	10	01-Oct-17	12-Oct-17	01-Oct-17	12-Oct-17	100%	0%	-85	AB18020																				
AB18030	Blockwall	21	13-Oct-17	03-Nov-17	13-Oct-17	03-Nov-17	100%	0%	-85	AB18030																				
AB18040	Wall Plastering	21	04-Nov-17	24-Nov-17	04-Nov-17	24-Nov-17	100%	0%	-85	AB18040																				
AB18050	Floor Screeding	14	25-Nov-17	08-Dec-17	25-Nov-17	08-Dec-17	100%	0%	-85	AB18050																				
General BS Installation																														

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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)	September					October					November					December					January								
										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
Electrical System																																						
AB54180	MEP 1st fix - LGF Sector G	30	04-Nov-17	03-Dec-17	04-Nov-17	03-Dec-17	100%	0%	-85																													
AB54190	MEP 2nd fix - LGF Sector G	45	04-Dec-17	20-Jan-18	04-Dec-17	20-Jan-18	53.33%	0%	-85																													
AB54200	MEP Final fix - LGF Sector G	30	21-Jan-18	22-Feb-18	21-Jan-18	22-Feb-18	0%	0%	-85																													
Plumbing & Drainage																																						
AB54210	P&D 1st fix - LGF Sector G	30	04-Nov-17	03-Dec-17	04-Nov-17	03-Dec-17	100%	0%	-85																													
AB54220	P&D 2nd fix - LGF Sector G	45	04-Dec-17	20-Jan-18	04-Dec-17	20-Jan-18	53.33%	0%	-85																													
AB54230	P&D Final fix - LGF Sector G	30	21-Jan-18	22-Feb-18	21-Jan-18	22-Feb-18	0%	0%	-85																													
FS System																																						
AB54240	FS 1st fix - LGF Sector G	30	04-Nov-17	03-Dec-17	04-Nov-17	03-Dec-17	100%	0%	-85																													
AB54250	FS 2nd fix - LGF Sector G	45	04-Dec-17	20-Jan-18	04-Dec-17	20-Jan-18	53.33%	0%	-85																													
AB54260	FS Final fix - LGF Sector G	30	21-Jan-18	22-Feb-18	21-Jan-18	22-Feb-18	0%	0%	-85																													
HVAC System																																						
AB54270	HVAC 1st fix - LGF Sector G	30	04-Nov-17	03-Dec-17	04-Nov-17	03-Dec-17	100%	0%	-85																													
AB54280	HVAC 2nd fix - LGF Sector G	45	04-Dec-17	20-Jan-18	04-Dec-17	20-Jan-18	53.33%	0%	-85																													
AB54290	HVAC Final fix - LGF Sector G	30	21-Jan-18	22-Feb-18	21-Jan-18	22-Feb-18	0%	0%	-85																													
Workshops, Storages & Offices																																						
Carpark Management Office																																						
AB18550	Skim coat, application of epoxy paint on wall and sealer on soffit	14	21-Jan-18	03-Feb-18	21-Jan-18	03-Feb-18	0%	0%	-85																													
LG/F - Zone LGT4 & LGT5 (Sector F)																																						
General Builders' Work																																						
AB22530	Steel Post	14	01-Oct-17	16-Oct-17	01-Oct-17	16-Oct-17	100%	0%	-113																													
AB22540	Blockwall	14	17-Oct-17	31-Oct-17	17-Oct-17	31-Oct-17	100%	0%	-113																													
AB22550	Wall Plastering	14	01-Nov-17	14-Nov-17	01-Nov-17	14-Nov-17	100%	0%	-113																													
AB22560	Floor Screeding	21	15-Nov-17	05-Dec-17	15-Nov-17	05-Dec-17	100%	0%	-113																													
AB22570	Drywall (MEP consealed items, close up panel)	21	06-Dec-17	28-Dec-17	06-Dec-17	28-Dec-17	100%	0%	-113																													
General BS Installation																																						
Electrical System																																						
AB54330	MEP 1st fix - LGF Sector F	30	01-Nov-17	30-Nov-17	01-Nov-17	30-Nov-17	100%	0%	-113																													
AB54340	MEP 2nd fix - LGF Sector F	45	01-Dec-17	17-Jan-18	01-Dec-17	17-Jan-18	100%	0%	-113																													
AB54350	MEP Final fix - LGF Sector F	30	18-Jan-18	18-Feb-18	18-Jan-18	18-Feb-18	33.33%	0%	-113																													
Plumbing & Drainage																																						
AB54360	P&D 1st fix - LGF Sector F	30	01-Nov-17	30-Nov-17	01-Nov-17	30-Nov-17	100%	0%	-113																													
AB54370	P&D 2nd fix - LGF Sector F	45	01-Dec-17	17-Jan-18	01-Dec-17	17-Jan-18	100%	0%	-113																													
AB54380	P&D Final fix - LGF Sector F	30	18-Jan-18	18-Feb-18	18-Jan-18	18-Feb-18	33.33%	0%	-113																													
FS System																																						
AB54390	FS 1st fix - LGF Sector F	30	01-Nov-17	30-Nov-17	01-Nov-17	30-Nov-17	100%	0%	-113																													
AB54400	FS 2nd fix - LGF Sector F	45	01-Dec-17	17-Jan-18	01-Dec-17	17-Jan-18	100%	0%	-113																													
AB54410	FS Final fix - LGF Sector F	30	18-Jan-18	18-Feb-18	18-Jan-18	18-Feb-18	33.33%	0%	-113																													
HVAC System																																						
AB54420	HVAC 1st fix - LGF Sector F	30	01-Nov-17	30-Nov-17	01-Nov-17	30-Nov-17	100%	0%	-113																													
AB54430	HVAC 2nd fix - LGF Sector F	45	01-Dec-17	17-Jan-18	01-Dec-17	17-Jan-18	100%	0%	-113																													
AB54440	HVAC Final fix - LGF Sector F	30	18-Jan-18	18-Feb-18	18-Jan-18	18-Feb-18	33.33%	0%	-113																													
Plantrooms																																						
Extract Fan Room																																						
Builders' Work																																						

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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)	September					October					November					December					January								
										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
AB54610	P&D 2nd fix - LGF Sector G	45	01-Dec-17	17-Jan-18	01-Dec-17	17-Jan-18	82.22%	0%	-95	[Gantt bar: Yellow from 01-Dec-17 to 17-Jan-18]																												
AB54620	P&D Final fix - LGF Sector G	30	18-Jan-18	18-Feb-18	18-Jan-18	18-Feb-18	0%	0%	-95	[Gantt bar: Yellow from 18-Jan-18 to 18-Feb-18]																												
FS System																																						
AB54630	FS 1st fix - LGF Sector G	30	01-Nov-17	30-Nov-17	01-Nov-17	30-Nov-17	100%	0%	-95	[Gantt bar: Red from 01-Nov-17 to 30-Nov-17]																												
AB54640	FS 2nd fix - LGF Sector G	45	01-Dec-17	17-Jan-18	01-Dec-17	17-Jan-18	82.22%	0%	-95	[Gantt bar: Yellow from 01-Dec-17 to 17-Jan-18]																												
AB54650	FS Final fix - LGF Sector G	30	18-Jan-18	18-Feb-18	18-Jan-18	18-Feb-18	0%	0%	-95	[Gantt bar: Yellow from 18-Jan-18 to 18-Feb-18]																												
HVAC System																																						
AB54660	HVAC 1st fix - LGF Sector G	30	01-Nov-17	30-Nov-17	01-Nov-17	30-Nov-17	100%	0%	-95	[Gantt bar: Red from 01-Nov-17 to 30-Nov-17]																												
AB54670	HVAC 2nd fix - LGF Sector G	45	01-Dec-17	17-Jan-18	01-Dec-17	17-Jan-18	82.22%	0%	-95	[Gantt bar: Yellow from 01-Dec-17 to 17-Jan-18]																												
AB54680	HVAC Final fix - LGF Sector G	30	18-Jan-18	18-Feb-18	18-Jan-18	18-Feb-18	0%	0%	-95	[Gantt bar: Yellow from 18-Jan-18 to 18-Feb-18]																												
Plantrooms																																						
M+ Water Tank																																						
AB22190	Waterproofing works & water	12	01-Oct-17	14-Oct-17	01-Oct-17	14-Oct-17	100%	0%	-95	[Gantt bar: Green from 01-Oct-17 to 14-Oct-17]																												
AB22200	Plastering work (inside tank)	10	15-Oct-17	24-Oct-17	15-Oct-17	24-Oct-17	100%	0%	-95	[Gantt bar: Green from 15-Oct-17 to 24-Oct-17]																												
AB22210	Wall & floor tiling	14	25-Oct-17	08-Nov-17	25-Oct-17	08-Nov-17	100%	0%	-95	[Gantt bar: Green from 25-Oct-17 to 08-Nov-17]																												
AB22220	Application of sealer on soffit (outside tank)	7	09-Nov-17	15-Nov-17	09-Nov-17	15-Nov-17	100%	0%	-95	[Gantt bar: Green from 09-Nov-17 to 15-Nov-17]																												
AB22230	Cat ladder	7	16-Nov-17	22-Nov-17	16-Nov-17	22-Nov-17	100%	0%	-95	[Gantt bar: Green from 16-Nov-17 to 22-Nov-17]																												
AB22240	Hatch cover	7	23-Nov-17	29-Nov-17	23-Nov-17	29-Nov-17	100%	0%	-95	[Gantt bar: Green from 23-Nov-17 to 29-Nov-17]																												
RDE Stair Pressurization Room																																						
Builder's Work																																						
AB22040	Sealer on ceiling soffit & epoxy paint on wall	7	29-Dec-17	05-Jan-18	29-Dec-17	05-Jan-18	100%	0%	-95	[Gantt bar: Yellow from 29-Dec-17 to 05-Jan-18]																												
BS Installation																																						
AB22050	RDE Stair Pressurization Room - MEP 2nd fix	14	06-Jan-18	19-Jan-18	06-Jan-18	19-Jan-18	28.57%	0%	-95	[Gantt bar: Yellow from 06-Jan-18 to 19-Jan-18]																												
AB22060	RDE Stair Pressurization Room - MEP final fix	30	20-Jan-18	21-Feb-18	20-Jan-18	21-Feb-18	0%	0%	-95	[Gantt bar: Yellow from 20-Jan-18 to 21-Feb-18]																												
Final Finishes																																						
AB22070	Final coat of paint on wall	3	22-Feb-18	24-Feb-18	22-Feb-18	24-Feb-18	0%	0%	-95	[Gantt bar: Yellow from 22-Feb-18 to 24-Feb-18]																												
AB22080	Polyurethane on floor	3	25-Feb-18	27-Feb-18	25-Feb-18	27-Feb-18	0%	0%	-95	[Gantt bar: Yellow from 25-Feb-18 to 27-Feb-18]																												
AB22090	Door & ironmongeries installation	3	28-Feb-18	02-Mar-18	28-Feb-18	02-Mar-18	0%	0%	-95	[Gantt bar: Yellow from 28-Feb-18 to 02-Mar-18]																												
LV Switch Room																																						
Builder's Work																																						
AB22100	Construct plinth	5	06-Jan-18	10-Jan-18	06-Jan-18	10-Jan-18	80%	0%	-95	[Gantt bar: Yellow from 06-Jan-18 to 10-Jan-18]																												
AB22110	Wall rendering	9	10-Dec-17	18-Dec-17	26-Aug-17 A	31-Aug-17 A	0%	100%	41	[Gantt bar: Yellow from 10-Dec-17 to 18-Dec-17]																												
AB22120	Wall tiling (1.5m high)	10	01-Oct-17	12-Oct-17	01-Oct-17	12-Oct-17	0%	0%	10	[Gantt bar: Green from 01-Oct-17 to 12-Oct-17]																												
AB22130	Floor screeding	4	13-Oct-17	16-Oct-17	13-Oct-17	16-Oct-17	0%	0%	10	[Gantt bar: Green from 13-Oct-17 to 16-Oct-17]																												
AB22140	Sealer on ceiling soffit & application of epoxy paint on wall	7	23-Sep-17	29-Sep-17	01-Sep-17 A	01-Oct-17	0%	0%	30	[Gantt bar: Yellow from 23-Sep-17 to 29-Sep-17]																												
BS Installation																																						
AB22150	LV Switch Room - MEP 2nd fix	14	01-Oct-17	17-Oct-17	01-Oct-17	17-Oct-17	0%	0%	30	[Gantt bar: Green from 01-Oct-17 to 17-Oct-17]																												
AB22160	LV Switch Room - LV Switchboard site test	8	17-Oct-17	25-Oct-17	17-Oct-17	25-Oct-17	0%	0%	30	[Gantt bar: Green from 17-Oct-17 to 25-Oct-17]																												
AB22165	LV Switch Room - Install LV Switchboard	60	25-Oct-17	27-Dec-17	25-Oct-17	27-Dec-17	0%	0%	30	[Gantt bar: Green from 25-Oct-17 to 27-Dec-17]																												
Final Finishes																																						
AB22170	Final coat of paint on wall	3	27-Dec-17	30-Dec-17	27-Dec-17	30-Dec-17	0%	0%	30	[Gantt bar: Green from 27-Dec-17 to 30-Dec-17]																												
ICT Riser Room																																						
Builders' Work																																						
AB22260	Sealer on ceiling soffit & epoxy paint on wall	7	01-Oct-17	10-Oct-17	01-Oct-17	10-Oct-17	0%	0%	30	[Gantt bar: Green from 01-Oct-17 to 10-Oct-17]																												
BS Installation																																						
AB22270	ICT Riser Room - MEP 2nd fix	14	10-Oct-17	24-Oct-17	10-Oct-17	24-Oct-17	0%	0%	30	[Gantt bar: Green from 10-Oct-17 to 24-Oct-17]																												

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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)	September					October				November				December				January											
										24					25				26				27				28											
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
AB22280	ICT Riser Room - MEP final fix	14	24-Oct-17	08-Nov-17	24-Oct-17	08-Nov-17	0%	0%	30						AB22280																							
Final Finishes																																						
AB22290	Final coat of paint on wall	3	08-Nov-17	11-Nov-17	08-Nov-17	11-Nov-17	0%	0%	30							AB22290																						
AB22300	Polyurethane on floor	3	11-Nov-17	14-Nov-17	11-Nov-17	14-Nov-17	0%	0%	30								AB22300																					
ELV Room																																						
Builders' Work																																						
AB22320	Sealer on ceiling soffit & epoxy paint on wall	7	10-Oct-17	17-Oct-17	10-Oct-17	17-Oct-17	0%	0%	30						AB22320																							
BS Installation																																						
AB22330	ELV Room - MEP 2nd fix	14	17-Oct-17	01-Nov-17	17-Oct-17	01-Nov-17	0%	0%	30						AB22330																							
AB22340	ELV Room - Install ELV System	30	01-Nov-17	01-Dec-17	01-Nov-17	01-Dec-17	0%	0%	30						AB22340																							
Final Finishes																																						
AB22350	Final coat of paint on wall	3	01-Dec-17	04-Dec-17	01-Dec-17	04-Dec-17	0%	0%	30									AB22350																				
AB22360	Polyurethane on floor	3	04-Dec-17	07-Dec-17	04-Dec-17	07-Dec-17	0%	0%	30									AB22360																				
MEP Room																																						
Builder's Work																																						
AB22380	Sealer on ceiling soffit & epoxy paint on wall	7	17-Oct-17	24-Oct-17	17-Oct-17	24-Oct-17	0%	0%	30						AB22380																							
BS Installation																																						
AB22390	MEP Room - MEP 2nd fix	14	24-Oct-17	08-Nov-17	24-Oct-17	08-Nov-17	0%	0%	30						AB22390																							
AB22400	MEP Room - MEP final fix	30	08-Nov-17	08-Dec-17	08-Nov-17	08-Dec-17	0%	0%	30						AB22400																							
Final Finishes																																						
AB22410	Final coat of paint on wall	3	08-Dec-17	11-Dec-17	08-Dec-17	11-Dec-17	0%	0%	30									AB22410																				
AB22420	Polyurethane on floor	3	11-Dec-17	14-Dec-17	11-Dec-17	14-Dec-17	0%	0%	30									AB22420																				
M+ Podium ABWF & BS Installation																																						
G/F - Zone A1 (Sector C)																																						
General Builders' Work																																						
AB23780	Wall Plastering	7	17-Nov-17	23-Nov-17	17-Nov-17	23-Nov-17	100%	0%	-117																													
AB23790	Drywall (MEP consealed items, close up panel)	14	24-Nov-17	07-Dec-17	24-Nov-17	07-Dec-17	100%	0%	-117																													
AB23800	Floor Screeding	14	08-Dec-17	21-Dec-17	08-Dec-17	21-Dec-17	100%	0%	-117																													
General BS Installation																																						
Electrical System																																						
AB54930	MEP 1st fix - GF Sector C	30	17-Nov-17	16-Dec-17	17-Nov-17	16-Dec-17	100%	0%	-117																													
AB54940	MEP 2nd fix - GF Sector C	45	17-Dec-17	02-Feb-18	17-Dec-17	02-Feb-18	95.56%	0%	-117																													
AB54950	MEP Final fix - GF Sector C	30	03-Feb-18	07-Mar-18	03-Feb-18	07-Mar-18	0%	0%	-117																													
Plumbing & Drainage																																						
AB54960	P&D 1st fix - GF Sector C	30	17-Nov-17	16-Dec-17	17-Nov-17	16-Dec-17	100%	0%	-117																													
AB54970	P&D 2nd fix - GF Sector C	45	17-Dec-17	02-Feb-18	17-Dec-17	02-Feb-18	95.56%	0%	-117																													
AB54980	P&D Final fix - GF Sector C	30	03-Feb-18	07-Mar-18	03-Feb-18	07-Mar-18	0%	0%	-117																													
FS System																																						
AB54990	FS 1st fix - GF Sector C	30	17-Nov-17	16-Dec-17	17-Nov-17	16-Dec-17	100%	0%	-117																													
AB55000	FS 2nd fix - GF Sector C	45	17-Dec-17	02-Feb-18	17-Dec-17	02-Feb-18	95.56%	0%	-117																													
AB55010	FS Final fix - GF Sector C	30	03-Feb-18	07-Mar-18	03-Feb-18	07-Mar-18	0%	0%	-117																													
HVAC System																																						
AB55020	HVAC 1st fix - GF Sector C	30	17-Nov-17	16-Dec-17	17-Nov-17	16-Dec-17	100%	0%	-117																													
AB55030	HVAC 2nd fix - GF Sector C	45	17-Dec-17	02-Feb-18	17-Dec-17	02-Feb-18	95.56%	0%	-117																													
AB55040	HVAC Final fix - GF Sector C	30	03-Feb-18	07-Mar-18	03-Feb-18	07-Mar-18	0%	0%	-117																													
Plantrooms																																						

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January			
										24					25					26					27					28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08				
MEP Rooms																																	
Builder's Work																																	
AB23810	Sealer on ceiling soffit & epoxy paint on wall	7	22-Dec-17	30-Dec-17	22-Dec-17	30-Dec-17	100%	0%	-117																								
BS Installation																																	
AB23820	MEP Room - MEP 2nd fix	14	31-Dec-17	14-Jan-18	31-Dec-17	14-Jan-18	100%	0%	-117																								
AB23830	MEP Room - MEP final fix	14	15-Jan-18	28-Jan-18	15-Jan-18	28-Jan-18	100%	0%	-117																								
Final Finishes																																	
AB23840	Final coat of paint on wall	3	29-Jan-18	31-Jan-18	29-Jan-18	31-Jan-18	100%	0%	-117																								
AB23850	Sealer on floor	3	01-Feb-18	03-Feb-18	01-Feb-18	03-Feb-18	0%	0%	-117																								
AB23860	Door & ironmongeries installation	3	04-Feb-18	06-Feb-18	04-Feb-18	06-Feb-18	0%	0%	-117																								
Workshops, Storages & Offices																																	
Storage																																	
AB23870	Application of sealer on wall, soffit and floor	7	22-Dec-17	30-Dec-17	22-Dec-17	30-Dec-17	100%	0%	-117																								
AB23880	Door & ironmongeries installation	7	31-Dec-17	07-Jan-18	31-Dec-17	07-Jan-18	0%	0%	-86																								
Temporary Exhibition 1a & 1b																																	
AB23900	Skim coat, application of emulsion paint on wall & sealer on floor	30	03-Feb-18	07-Mar-18	03-Feb-18	07-Mar-18	0%	0%	-72																								
AB23920	Oak planks & floor grilles installation	30	20-Feb-18	21-Mar-18	20-Feb-18	21-Mar-18	0%	0%	-72																								
1/F - Zone A2 (Sector C)																																	
General Builders' Work																																	
AB25420	Maintenance platform @ 1M/F Sector C complete	0		17-Dec-17		17-Dec-17	100%	0%	-85																								
AB25430	Wall Plastering	14	18-Dec-17	03-Jan-18	18-Dec-17	03-Jan-18	71.43%	0%	-85																								
AB25440	Drywall (MEP consealed items, close up panel)	21	04-Jan-18	24-Jan-18	04-Jan-18	24-Jan-18	0%	0%	-85																								
AB25450	Floor Screeding	21	25-Jan-18	14-Feb-18	25-Jan-18	14-Feb-18	0%	0%	-85																								
General BS Installation																																	
Electrical System																																	
AB55410	MEP 1st fix - 1F Sector C	30	18-Dec-17	19-Jan-18	18-Dec-17	19-Jan-18	33.33%	0%	-85																								
AB55420	MEP 2nd fix - 1F Sector C	30	20-Jan-18	21-Feb-18	20-Jan-18	21-Feb-18	0%	0%	-85																								
AB55430	MEP Final fix - 1F Sector C	30	22-Feb-18	23-Mar-18	22-Feb-18	23-Mar-18	0%	0%	-85																								
Plumbing & Drainage																																	
AB55440	P&D 1st fix - 1F Sector C	30	18-Dec-17	19-Jan-18	18-Dec-17	19-Jan-18	33.33%	0%	-85																								
AB55450	P&D 2nd fix - 1F Sector C	30	20-Jan-18	21-Feb-18	20-Jan-18	21-Feb-18	0%	0%	-85																								
AB55460	P&D Final fix - 1F Sector C	30	22-Feb-18	23-Mar-18	22-Feb-18	23-Mar-18	0%	0%	-85																								
FS System																																	
AB55470	FS 1st fix - 1F Sector C	30	18-Dec-17	19-Jan-18	18-Dec-17	19-Jan-18	33.33%	0%	-85																								
AB55480	FS 2nd fix - 1F Sector C	30	20-Jan-18	21-Feb-18	20-Jan-18	21-Feb-18	0%	0%	-85																								
AB55490	FS Final fix - 1F Sector C	30	22-Feb-18	23-Mar-18	22-Feb-18	23-Mar-18	0%	0%	-85																								
HVAC System																																	
AB55500	HVAC 1st fix - 1F Sector C	30	18-Dec-17	19-Jan-18	18-Dec-17	19-Jan-18	33.33%	0%	-85																								
AB55510	HVAC 2nd fix - 1F Sector C	30	20-Jan-18	21-Feb-18	20-Jan-18	21-Feb-18	0%	0%	-85																								
AB55520	HVAC Final fix - 1F Sector C	30	22-Feb-18	23-Mar-18	22-Feb-18	23-Mar-18	0%	0%	-85																								
1M/F - Zone H (Sector B)																																	
AB26680	Maintenance platform installation	70	01-Feb-18	18-Apr-18	01-Feb-18	18-Apr-18	0%	0%	-75																								
General BS Installation																																	
Electrical System																																	
AB55770	MEP 1st fix - 1MF Sector A	30	01-Feb-18	05-Mar-18	01-Feb-18	05-Mar-18	0%	0%	-80																								
AB55780	MEP 2nd fix - 1MF Sector A	45	06-Mar-18	23-Apr-18	06-Mar-18	23-Apr-18	0%	0%	-80																								

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January								
										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
CF10120	G/F AHU Room	25	23-Nov-17	17-Dec-17	23-Nov-17	17-Dec-17	100%	0%	-96																													
CF10140	1/F AHU Room	25	23-Nov-17	17-Dec-17	23-Nov-17	17-Dec-17	100%	0%	-96																													
CF10150	1/F Gas Suppression Cylinders	25	23-Nov-17	17-Dec-17	23-Nov-17	17-Dec-17	100%	0%	-96																													
CF10160	1/F ELV/ICT Room	25	23-Nov-17	17-Dec-17	23-Nov-17	17-Dec-17	100%	0%	-96																													
CF10170	2/F AHU Room	25	09-Dec-17	05-Jan-18	09-Dec-17	05-Jan-18	100%	0%	-93																													
CF10180	2/F Gas Suppression Cylinders	25	09-Dec-17	05-Jan-18	09-Dec-17	05-Jan-18	100%	0%	-93																													
CF10190	2/F ELV/ICT Room	25	09-Dec-17	05-Jan-18	09-Dec-17	05-Jan-18	100%	0%	-93																													
CF10940	3/F AHU Room	25	22-Dec-17	18-Jan-18	22-Dec-17	18-Jan-18	60%	0%	-92																													
CF10950	3/F Gas Suppression Cylinders	25	22-Dec-17	18-Jan-18	22-Dec-17	18-Jan-18	60%	0%	-92																													
CF10960	3/F ELV/ICT Room	25	22-Dec-17	18-Jan-18	22-Dec-17	18-Jan-18	60%	0%	-92																													
CF10970	4/F AHU Room	25	09-Jan-18	02-Feb-18	09-Jan-18	02-Feb-18	13.33%	0%	-93																													
CF10980	4/F Gas Suppression Cylinders	25	09-Jan-18	02-Feb-18	09-Jan-18	02-Feb-18	13.33%	0%	-93																													
CF10990	4/F ELV/ICT Room	25	09-Jan-18	02-Feb-18	09-Jan-18	02-Feb-18	13.33%	0%	-93																													
CF11000	5/F AHU Room	25	23-Jan-18	18-Feb-18	23-Jan-18	18-Feb-18	0%	0%	-93																													
CF11010	5/F Gas Suppression Cylinders	25	23-Jan-18	18-Feb-18	23-Jan-18	18-Feb-18	0%	0%	-93																													
CF11020	5/F ELV/ICT Room	25	23-Jan-18	18-Feb-18	23-Jan-18	18-Feb-18	0%	0%	-93																													
CF11030	6/F AHU Room	25	02-Feb-18	01-Mar-18	02-Feb-18	01-Mar-18	0%	0%	-93																													
CF11040	6/F ELV/ICT Room	25	02-Feb-18	01-Mar-18	02-Feb-18	01-Mar-18	0%	0%	-93																													
CF11050	7/F AHU Room	25	12-Feb-18	11-Mar-18	12-Feb-18	11-Mar-18	0%	0%	-93																													
CF11060	7/F ELV/ICT Room	25	12-Feb-18	11-Mar-18	12-Feb-18	11-Mar-18	0%	0%	-93																													
CF11070	8/F Chiller Water Pump Room	25	18-Mar-18	15-Apr-18	18-Mar-18	15-Apr-18	0%	0%	-86																													
CF11080	8/F AHU Room	25	21-Feb-18	17-Mar-18	21-Feb-18	17-Mar-18	0%	0%	-91																													
CF11090	8/F Water Tank & Pump Room	25	21-Feb-18	17-Mar-18	21-Feb-18	17-Mar-18	0%	0%	-91																													
CF11100	8/F H.P. & A.C.C. Room	25	18-Mar-18	15-Apr-18	18-Mar-18	15-Apr-18	0%	0%	-86																													
CF11510	8/F Acoustic Slab Construction	25	21-Feb-18	17-Mar-18	21-Feb-18	17-Mar-18	0%	0%	-91																													
General Finishes																																						
CF10260	Wall Plastering (6/F & 7/F Toilet Area)	60	02-Feb-18	09-Apr-18	02-Feb-18	09-Apr-18	0%	0%	-98																													
CF10270	Floor Screeding (6/F & 7/F Toilet Area)	60	20-Feb-18	24-Apr-18	20-Feb-18	24-Apr-18	0%	0%	-98																													
CF10280	Waterproofing & Protective Screeding (6/F & 7/F Toilet Area)	60	27-Feb-18	02-May-18	27-Feb-18	02-May-18	0%	0%	-98																													
CF10290	Wall Tiling (6/F & 7/F Toilet Area)	60	06-Mar-18	09-May-18	06-Mar-18	09-May-18	0%	0%	-98																													
CF10300	Floor Tiling (6/F & 7/F Toilet Area)	60	20-Mar-18	24-May-18	20-Mar-18	24-May-18	0%	0%	-98																													
CF10310	Ceiling Finishes (Lobby & Corridor)	60	27-Mar-18	31-May-18	27-Mar-18	31-May-18	0%	0%	-98																													
CF10320	Floor Finishes (BOH)	60	07-Apr-18	07-Jun-18	07-Apr-18	07-Jun-18	0%	0%	-98																													
CF10390	Metal Works/AP/Hosereels, etc. Installation	60	14-Apr-18	14-Jun-18	14-Apr-18	14-Jun-18	0%	0%	-98																													
CF10410	Ceiling Finishes (6/F & 7/F Toilet Area)	60	13-Mar-18	16-May-18	13-Mar-18	16-May-18	0%	0%	-98																													
Fitting Out Works																																						
CF10430	1/F Scrolls/Paintings/Art Storage Finishes	90	20-Mar-18	24-Jun-18	20-Mar-18	24-Jun-18	0%	0%	-98																													
CF10440	2/F Oversize 2 Inorganic/ 3 Paintings/ Photo Studio Finishes	90	08-Apr-18	10-Jul-18	08-Apr-18	10-Jul-18	0%	0%	-98																													
External Finishes																																						
CF10770	Precast Concrete Roof Cladding Installation (General)	45	21-Feb-18	18-Apr-18	21-Feb-18	18-Apr-18	0%	0%	-81																													
CF10800	2/F Louvres Installation	22	09-Dec-17	06-Jan-18	09-Dec-17	06-Jan-18	100%	0%	-84																													
CF10810	6/F Curtain Wall Installation	15	23-Jan-18	08-Feb-18	23-Jan-18	08-Feb-18	0%	0%	-83																													
CF10820	7/F Curtain Wall Installation	15	09-Feb-18	01-Mar-18	09-Feb-18	01-Mar-18	0%	0%	-83																													
CF10830	8/F Curtain Wall Installation	15	02-Mar-18	19-Mar-18	02-Mar-18	19-Mar-18	0%	0%	-83																													
CF10840	6/F Terrace Planking Installation	15	20-Mar-18	10-Apr-18	20-Mar-18	10-Apr-18	0%	0%	-83																													
Building Services Installation																																						

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January					
										24					25					26					27					28					
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08						
General																																			
CF10850	H.L. Services First Fix	200	23-Nov-17	23-Jun-18	23-Nov-17	23-Jun-18	25.5%	0%	-101																										
CF10860	H.L. Services Second Fix & Wiring Works	100	16-Mar-18	30-Jun-18	16-Mar-18	30-Jun-18	0%	0%	-94																										
Plant Rooms																																			
CF11240	G/F AHU Room Installation	45	18-Dec-17	03-Feb-18	18-Dec-17	03-Feb-18	46.67%	0%	-96																										
CF11260	1/F AHU Room Installation	45	18-Dec-17	03-Feb-18	18-Dec-17	03-Feb-18	46.67%	0%	-96																										
CF11270	1/F Gas Suppression Cylinders Installation	45	18-Dec-17	03-Feb-18	18-Dec-17	03-Feb-18	46.67%	0%	-96																										
CF11280	1/F ELV/ICT Room Installation	45	18-Dec-17	03-Feb-18	18-Dec-17	03-Feb-18	46.67%	0%	-96																										
CF11290	2/F AHU Room Installation	45	06-Jan-18	22-Feb-18	06-Jan-18	22-Feb-18	4.44%	0%	-93																										
CF11300	2/F Gas Suppression Cylinders Installation	45	06-Jan-18	22-Feb-18	06-Jan-18	22-Feb-18	4.44%	0%	-93																										
CF11310	2/F ELV/ICT Room Installation	45	06-Jan-18	22-Feb-18	06-Jan-18	22-Feb-18	4.44%	0%	-93																										
CF11340	3/F AHU Room Installation	45	19-Jan-18	07-Mar-18	19-Jan-18	07-Mar-18	0%	0%	-92																										
CF11350	3/F Gas Suppression Cylinders Installation	45	19-Jan-18	07-Mar-18	19-Jan-18	07-Mar-18	0%	0%	-92																										
CF11360	3/F ELV/ICT Room Installation	45	19-Jan-18	07-Mar-18	19-Jan-18	07-Mar-18	0%	0%	-92																										
CF11370	4/F AHU Room Installation	45	03-Feb-18	22-Mar-18	03-Feb-18	22-Mar-18	0%	0%	-93																										
CF11380	4/F Gas Suppression Cylinders Installation	45	03-Feb-18	22-Mar-18	03-Feb-18	22-Mar-18	0%	0%	-93																										
CF11390	4/F ELV/ICT Room Installation	45	03-Feb-18	22-Mar-18	03-Feb-18	22-Mar-18	0%	0%	-93																										
CF11400	5/F AHU Room Installation	45	20-Feb-18	09-Apr-18	20-Feb-18	09-Apr-18	0%	0%	-93																										
CF11410	5/F Gas Suppression Cylinders Installation	45	20-Feb-18	09-Apr-18	20-Feb-18	09-Apr-18	0%	0%	-93																										
CF11420	5/F ELV/ICT Room Installation	45	20-Feb-18	09-Apr-18	20-Feb-18	09-Apr-18	0%	0%	-93																										
CF11430	6/F AHU Room Installation	45	02-Mar-18	19-Apr-18	02-Mar-18	19-Apr-18	0%	0%	-93																										
CF11440	6/F ELV/ICT Room Installation	45	02-Mar-18	19-Apr-18	02-Mar-18	19-Apr-18	0%	0%	-93																										
CF11450	7/F AHU Room Installation	45	12-Mar-18	29-Apr-18	12-Mar-18	29-Apr-18	0%	0%	-93																										
CF11460	7/F ELV/ICT Room Installation	45	12-Mar-18	29-Apr-18	12-Mar-18	29-Apr-18	0%	0%	-93																										
CF11480	8/F AHU Room Installation	45	18-Mar-18	06-May-18	18-Mar-18	06-May-18	0%	0%	-91																										
CF11490	8/F Water Tank & Pump Room Installation	56	18-Mar-18	17-May-18	18-Mar-18	17-May-18	0%	0%	-91																										
CF11540	AHU Move In G/F to 7/F	15	12-Mar-18	26-Mar-18	12-Mar-18	26-Mar-18	0%	0%	-93																										
RDE ABWF & BS Installation																																			
Internal Finishes																																			
Critical Plant Rooms Builders' Work																																			
RD10140	1/F SED Plenum	30	14-Dec-17	15-Jan-18	14-Dec-17	15-Jan-18	46.67%	0%	-85																										
General Finishes																																			
RD10210	Blockwall Erection 1st Fix	150	14-Dec-17	24-May-18	14-Dec-17	24-May-18	9.33%	0%	-85																										
RD10220	Blockwall Erection 2nd Fix	150	08-Jan-18	15-Jun-18	08-Jan-18	15-Jun-18	0%	0%	-85																										
RD10230	Wall Plastering (Toilet Area)	150	23-Jan-18	01-Jul-18	23-Jan-18	01-Jul-18	0%	0%	-85																										
RD10240	Floor Screeding (Toilet Area)	150	07-Feb-18	17-Jul-18	07-Feb-18	17-Jul-18	0%	0%	-85																										
RD10250	Waterproofing & Protective Screeding (Toilet Area)	150	14-Feb-18	24-Jul-18	14-Feb-18	24-Jul-18	0%	0%	-85																										
RD10260	Wall Tiling (Toilet Area)	150	24-Feb-18	31-Jul-18	24-Feb-18	31-Jul-18	0%	0%	-85																										
RD10270	Ceiling Finishes (Toilet Area)	150	03-Mar-18	07-Aug-18	03-Mar-18	07-Aug-18	0%	0%	-85																										
RD10280	Floor Tiling (Toilet Area)	150	10-Mar-18	14-Aug-18	10-Mar-18	14-Aug-18	0%	0%	-85																										
RD10290	Ceiling Finishes (Lobby & Corridor)	150	17-Mar-18	21-Aug-18	17-Mar-18	21-Aug-18	0%	0%	-85																										
RD10300	Floor Finishes (BOH)	150	24-Mar-18	28-Aug-18	24-Mar-18	28-Aug-18	0%	0%	-85																										
Fitting Out Works																																			
RD10000	2/F Kitchen Finishes	60	12-Mar-18	15-May-18	12-Mar-18	15-May-18	0%	0%	-85																										
External Finishes																																			
RD10510	2/F to 14/F Curtain Wall Installation	148	17-Mar-18	19-Aug-18	17-Mar-18	19-Aug-18	0%	0%	-80																										

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December				January		
										24					25				26				27				28		
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08
Building Services Installation																													
General																													
RD10750	H.L. Services First Fix	225	14-Dec-17	09-Aug-18	14-Dec-17	09-Aug-18	6.22%	0%	-85																				
Plant Rooms																													
RD10610	1/F SED Plenum Installation	38	16-Jan-18	25-Feb-18	16-Jan-18	25-Feb-18	0%	0%	-85																				
ICP & SPS Construction																													
Key Dates																													
A31580	ICP Structure Complete	0		07-Oct-17		07-Oct-17	100%	0%	-96																				
A31600	Practical Completion of SPS & H/O to DSD	0		20-Oct-17		20-Oct-17	100%	0%	-28																				
SPS WORKS (Sewerage Pumping Station)																													
Pre-Construction Works																													
A55830	SPS - Procurement & fabrication of Davit System	90	09-Mar-17	06-Jun-17	09-Mar-17 A	22-Sep-17 A	100%	100%	-77																				
A55840	SPS - 1st Delivery of Davit System	0	25-Sep-17		23-Sep-17 A		100%	100%	-66																				
A55910	SPS - Confirmation of perforated corrugated cladding by FAC/MJV	0	03-Oct-17		03-Oct-17		100%	0%	-113																				
A55920	SPS - Procurement & fabrication of Perforated Cladding	18	16-Sep-17	03-Oct-17	01-Aug-17 A	09-Sep-17 A	100%	100%	-52																				
A55930	SPS - 1st Delivery of Perforated Cladding	0	22-Sep-17		09-Sep-17 A		100%	100%	-45																				
SPS - ABWF & Building Services Installation																													
Pump Station																													
B2/F - Pump Station																													
A55650	Waterproofing & water test	18	20-Jun-17	11-Jul-17	20-Jun-17 A	23-Sep-17 A	100%	100%	-86																				
B1/F - Pump Station																													
Builders' Work																													
A55700	Channel grating & railing installation	5	14-Aug-17	18-Aug-17	05-Aug-17 A	23-Sep-17 A	100%	100%	-94																				
BS Installation																													
A55770	SPS - MEP 2nd fix	7	29-Jul-17	05-Aug-17	18-Jul-17 A	03-Oct-17	100%	97%	-79																				
A55780	SPS - Install Soil & Waste Water Pump Set	5	16-Sep-17	21-Sep-17	09-Sep-17 A	04-Oct-17	100%	95%	-69																				
A56610	SPS - Install Sewage Water Pump Set (3 nos.)	7	02-Sep-17	09-Sep-17	28-Aug-17 A	04-Oct-17	100%	95%	-69																				
Final Finishes																													
A55790	Apply floor sealer	3	06-Oct-17	09-Oct-17	06-Oct-17	09-Oct-17	100%	0%	-69																				
A55800	Door & ironmongeries installation	5	02-Sep-17	07-Sep-17	11-Aug-17 A	03-Oct-17	100%	95%	-60																				
A56580	Davit installtion & GRP cover	5	18-Aug-17	23-Aug-17	17-Jul-17 A	06-Oct-17	100%	90%	-62																				
CLP Meter Cabinet Room																													
Builders' Work																													
A31950	CLP Cabinet Room - Sealer on floor	3	09-Sep-17	13-Sep-17	05-Sep-17 A	04-Oct-17	100%	50%	-112																				
Final Finishes																													
A31940	CLP Cabinet Room - Install doors, grated drains, & Misc. Items	3	25-Sep-17	27-Sep-17	23-Sep-17 A	04-Oct-17	100%	50%	-81																				
LV Switch Room																													
BS Installation																													
A32050	SPS - MEP 2nd fix	6	19-May-17	25-May-17	19-May-17 A	03-Oct-17	100%	98%	-108																				
A32060	SPS - Install LV Main Distribution Board	18	13-Jul-17	03-Aug-17	03-Jul-17 A	03-Oct-17	100%	98%	-87																				
A56550	SPS - Setup LV Main Distribution Board & SAT	6	02-Aug-17	08-Aug-17	15-Jul-17 A	03-Oct-17	100%	98%	-81																				
Final Finishes																													
A56150	Apply paint coating on ceiling & wall	7	02-Aug-17	09-Aug-17	07-Jul-17 A	01-Sep-17 A	100%	100%	-47																				
A56160	Apply floor sealer	3	11-Sep-17	14-Sep-17	07-Sep-17 A	08-Sep-17 A	100%	100%	-50																				
Fire Control Centre																													
BS Installation																													

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December			January				
										24					25				26				27			28				
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	
A56050	SPS - MEP 2nd & Final Fix for Fire Control Centre	14	23-Jun-17	10-Jul-17	19-Jun-17 A	03-Oct-17	100%	99%	-94																					
Final Finishes																														
A56070	Apply sealer on floor	2	04-Oct-17	06-Oct-17	04-Oct-17	06-Oct-17	100%	0%	-88																					
FS Pump Room																														
BS Installation																														
A32180	SPS - MEP 2nd Fix	10	17-Jun-17	28-Jun-17	12-Jun-17 A	12-Sep-17 A	100%	100%	-85																					
A32190	SPS - Install FS Pump Set & SAT	29	29-Jun-17	02-Aug-17	12-Jun-17 A	13-Sep-17 A	100%	100%	-57																					
Sprinkler Pump Room																														
BS Installation																														
A32200	SPS - MEP 2nd Fix	10	17-May-17	27-May-17	17-May-17 A	03-Oct-17	100%	95%	-105																					
A32210	SPS - Install Sprinkler Pump Set & SAT	30	16-Jun-17	21-Jul-17	12-Jun-17 A	11-Sep-17 A	100%	100%	-56																					
Fan Room																														
BS Installation																														
A56530	SPS - Install Fans (2 nos.) & Equipment	20	19-May-17	12-Jun-17	19-May-17 A	06-Oct-17	100%	97%	-89																					
A56540	SPS - MEP 2nd & final fix	6	15-Aug-17	21-Aug-17	29-Jul-17 A	04-Oct-17	100%	97%	-82																					
Final Finishes																														
A56120	Apply floor sealer	2	03-Oct-17	04-Oct-17	03-Oct-17	04-Oct-17	100%	0%	-75																					
A56130	Door & ironmongeries installation	3	19-Aug-17	23-Aug-17	14-Aug-17 A	03-Oct-17	100%	90%	-74																					
Pump Station Service Yard																														
BS Installation																														
A55760	SPS - MEP 2nd Fix for Pump Station Service Yard	14	05-Jul-17	20-Jul-17	29-May-17 A	03-Oct-17	100%	98%	-85																					
Final Finishes																														
A56490	Install roller shutter (for security)	7	12-Aug-17	19-Aug-17	09-Aug-17 A	04-Sep-17 A	100%	100%	-59																					
A56510	Apply floor sealer	5	03-Oct-17	09-Oct-17	03-Oct-17	09-Oct-17	100%	0%	-73																					
Cleansing & Flushing Water Tank Room																														
Builders' Work																														
A56200	Install glass-fibre water tank supporting frame	6	03-Oct-17	10-Oct-17	03-Oct-17	10-Oct-17	100%	0%	-109																					
BS Installation																														
A32160	SPS - Install Pumps, Valves & Equipment	25	24-Jun-17	25-Jul-17	21-Jun-17 A	03-Oct-17	100%	97%	-74																					
Final Finishes																														
A56220	Apply floor sealer	3	11-Oct-17	13-Oct-17	11-Oct-17	13-Oct-17	100%	0%	-66																					
Accessible Unisex Toilet																														
Builders' Work																														
A56350	Gypsum/cement board ceiling framwork & close-up	6	24-Jun-17	03-Jul-17	22-Jun-17 A	23-Sep-17 A	100%	100%	-88																					
BS Installation																														
A56360	SPS - MEP 2nd Fix for Accessible Unisex Toilet	10	20-Jul-17	01-Aug-17	10-Jul-17 A	03-Oct-17	100%	97%	-81																					
Final Finishes																														
A56380	Sanitary wares & fitting installation	3	20-Sep-17	22-Sep-17	11-Sep-17 A	23-Sep-17 A	100%	100%	-65																					
A56400	Mirror installation	1	16-Sep-17	16-Sep-17	13-Sep-17 A	13-Sep-17 A	100%	100%	-51																					
Corridor																														
Builders' Work																														
A31890	Wall tiling & Install chequered plate on floor	6	25-Sep-17	30-Sep-17	18-Sep-17 A	23-Sep-17 A	100%	100%	-84																					
BS Installation																														
A56180	SPS - MEP 2nd Fix for Corridor	14	28-Jul-17	12-Aug-17	26-Jun-17 A	03-Oct-17	100%	98%	-77																					
Final Finishes																														
A31910	FRP ceiling	7	28-Aug-17	05-Sep-17	10-Aug-17 A	09-Sep-17 A	100%	100%	-50																					

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December				January			
										24					25				26				27				28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	
A56410	Apply paint on ceiling & wall	7	22-Aug-17	29-Aug-17	23-Jun-17 A	03-Oct-17	100%	95%	-63																					
Staircase																														
Builders' Work																														
A56430	Wall Plastering & screeding	12	12-May-17	25-May-17	12-May-17 A	03-Oct-17	100%	95%	-109																					
BS Installation																														
A56450	SPS - MEP 2nd Fix for Staircases	14	15-Jul-17	31-Jul-17	26-Jun-17 A	03-Oct-17	100%	99%	-88																					
Final Finishes																														
A56480	Install Door & ironmongeries	3	19-Aug-17	22-Aug-17	11-Aug-17 A	03-Oct-17	100%	75%	-72																					
SPS - External Envelope																														
A32220	SPS - Install GRC Architectural Louvre & Bracket	7	29-Jul-17	05-Aug-17	21-Jul-17 A	04-Oct-17	100%	75%	-96																					
A32230	SPS - Erect steel frame for perforated corrugated cladding	12	16-Sep-17	29-Sep-17	11-Sep-17 A	14-Sep-17 A	100%	100%	-74																					
A56560	SPS - Install perforated corrugated cladding	12	25-Sep-17	10-Oct-17	18-Sep-17 A	10-Oct-17	100%	50%	-58																					
A56570	SPS - Final Fix & Facade Final Cleaning	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-49																					
SPS - Access Pavement																														
A56590	SPS - Backfilling	2	03-Oct-17	04-Oct-17	03-Oct-17	04-Oct-17	100%	0%	-76																					
A56600	SPS - Construct SPS access pavement	6	06-Oct-17	12-Oct-17	06-Oct-17	12-Oct-17	100%	0%	-72																					
SPS - Testing & Commissioning																														
A32240	SPS - Testing and Commissioning	12	22-Sep-17	04-Oct-17	11-Sep-17 A	04-Oct-17	100%	80%	-57																					
SPS - Statutory Inspection																														
FS Water																														
A32300	SPS - Inspection and Approval by WSD	2	26-Aug-17	29-Aug-17	14-Aug-17 A	04-Oct-17	100%	90%	-71																					
A32305	SPS - Water Sample (2 nos.) & Report Submission	3	05-Oct-17	07-Oct-17	05-Oct-17	07-Oct-17	100%	0%	-78																					
A32310	SPS - Issuance of WW046 (Part 5) by WSD (Water Certificate)	6	08-Oct-17	13-Oct-17	08-Oct-17	13-Oct-17	100%	0%	-70																					
A32320	SPS - Water Meter Connection (FS) by WSD	4	14-Oct-17	17-Oct-17	14-Oct-17	17-Oct-17	100%	0%	-70																					
Potable Water / Flushing Water																														
A32375	SPS - Water Sample (2 nos.) & Report Submission	6	01-Oct-17	06-Oct-17	01-Oct-17	06-Oct-17	100%	0%	-78																					
A32380	SPS - Issuance of WW046 (Part 5) by WSD (Water Certificate)	12	08-Sep-17	20-Sep-17	30-Aug-17 A	11-Sep-17 A	100%	100%	-38																					
A32390	SPS - Water Meter Connection (Plumbing) by WSD	4	04-Oct-17	07-Oct-17	04-Oct-17	07-Oct-17	100%	0%	-61																					
FSD (Fire Services)																														
A32392	SPS - Submission & Approval of Final Amendment Building Plan to BD,	31	24-Aug-17	23-Sep-17	24-Aug-17 A	23-Sep-17 A	100%	100%	-97																					
A32405	SPS - FS direct link / FTNS available	7	19-Sep-17	26-Sep-17	02-Sep-17 A	24-Sep-17 A	100%	100%	-75																					
A32410	SPS - FSD Inspections & Obtain FS Certificate	1	06-Oct-17	06-Oct-17	04-Oct-17 A	01-Oct-17	100%	95%	-24																					
DSD																														
A32250	SPS - Handover to DSD	6	15-Oct-17	20-Oct-17	15-Oct-17	20-Oct-17	100%	0%	-35																					
ICP WORKS (Interfacing Car Park)																														
Stage 3																														
B1 Slab Construction (Phase 3) - Construct B2/F to B1/F Cols, Walls & B1 Slab and Remove Struts																														
Portion A21																														
A34830	Portion A21 - Construct B1 Slab (Deferred Area)	3	11-Apr-17	13-Apr-17	11-Apr-17 A	14-Sep-17 A	100%	100%	-97																					
Roof Slab (Portion A) - Construct B1/F to Roof Lvl Cols, Walls & Roof Slab																														
Portion A25																														
A34990	Portion A25 - Columns & Walls Construction	7	10-May-17	17-May-17	10-May-17 A	25-Sep-17 A	100%	100%	-103																					
A35000	Portion A25 - Construct Roof Slab	4	26-May-17	31-May-17	22-May-17 A	01-Sep-17 A	100%	100%	-78																					
Miscellaneous Structure Above Grd Slab / Roof Deck																														
Gridline 1a - 5a /Fa-Ma																														
A35170	Construct Vent Ducts / Staircases / Lift Shaft on Upper Roof	16	22-Jun-17	11-Jul-17	22-Jun-17 A	03-Oct-17	100%	98%	-94																					

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January							
										24					25					26					27					28							
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08								
A35180	SPS and ICP - Non-Deferred Access for Backfilling Works	0		23-Oct-17		23-Oct-17	100%	0%	-80																												
A35190	Diversion of Traffic and Hoarding modification	14	24-Oct-17	08-Nov-17	24-Oct-17	08-Nov-17	100%	0%	-96																												
Gridline 5a - 9a /Da-Ma																																					
A35200	Construct Vent Ducts & Staircases	13	23-Jun-17	08-Jul-17	22-Jun-17 A	04-Oct-17	100%	98%	-98																												
A35210	ICP - Completion of ICP Structure for Backfilling Works	0		04-Oct-17		04-Oct-17	100%	0%	-83																												
A35220	Diversion of Traffic and Hoarding modification	15	05-Oct-17	21-Oct-17	05-Oct-17	21-Oct-17	100%	0%	-101																												
Dismantle TC 5 & Infill openings																																					
A35230	Dismantle Tower Crane TC5	2	15-Jul-17	18-Jul-17	10-Jul-17 A	03-Oct-17	100%	50%	-102																												
A35240	Concrete In-Fill from Roof to B1/slab Openings	3	04-Oct-17	07-Oct-17	04-Oct-17	07-Oct-17	100%	0%	-96																												
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	02-Sep-17	05-Sep-17	28-Aug-17 A	04-Oct-17	100%	50%	-111																												
A35270	Portion A12 - Construct B2 Slab	6	06-Oct-17	12-Oct-17	06-Oct-17	12-Oct-17	100%	0%	-111																												
Portion A13 - B2 Slab (200 thk) @ Lvl -0.05mPD																																					
A35290	Portion A13 - Granular Fill on Top of Pilecaps & Bottom slab	3	02-Sep-17	05-Sep-17	29-Aug-17 A	06-Oct-17	100%	30%	-112																												
A35300	Portion A13 - Construct B2 Slab	6	07-Oct-17	13-Oct-17	07-Oct-17	13-Oct-17	100%	0%	-112																												
Portion B14 - B2 Slab (200 thk) @ Lvl -0.05mPD																																					
A35320	Portion B14 - Granular Fill on Top of Pilecaps & Bottom slab	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-112																												
A35330	Portion B14 - Construct B2 Slab	6	07-Oct-17	13-Oct-17	07-Oct-17	13-Oct-17	100%	0%	-112																												
Portion B15 - B2 Slab (200 thk) @ Lvl -0.05mPD																																					
A35350	Portion B15 - Granular Fill on Top of Pilecaps & Bottom slab	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-102																												
A35360	Portion B15 - Construct B2 Slab	6	07-Oct-17	13-Oct-17	07-Oct-17	13-Oct-17	100%	0%	-102																												
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	02-Sep-17	05-Sep-17	25-Aug-17 A	04-Oct-17	100%	60%	-111																												
A35390	Portion A14 - Construct B2 Slab	6	11-Sep-17	18-Sep-17	04-Sep-17 A	09-Oct-17	100%	30%	-108																												
Portion A15 - B2 Slab (200 thk) @ Lvl -0.05mPD																																					
A35410	Portion A15 - Granular Fill on Top of Pilecaps & Bottom slab	3	12-Aug-17	16-Aug-17	07-Aug-17 A	03-Oct-17	100%	75%	-110																												
A35420	Portion A15 - Construct B2 Slab	6	11-Sep-17	18-Sep-17	04-Sep-17 A	06-Oct-17	100%	50%	-106																												
Portion B16 - B2 Slab (200 thk) @ Lvl -0.05mPD																																					
A35440	Portion B16 - Granular Fill on Top of Pilecaps & Bottom slab	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-107																												
A35450	Portion B16 - Construct B2 Slab	6	07-Oct-17	13-Oct-17	07-Oct-17	13-Oct-17	100%	0%	-107																												
Portion B17 - B2 Slab (200 thk) @ Lvl -0.05mPD																																					
A35470	Portion B17 - Granular Fill on Top of Pilecaps & Bottom slab	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-107																												
A35480	Portion B17 - Construct B2 Slab	6	07-Oct-17	13-Oct-17	07-Oct-17	13-Oct-17	100%	0%	-107																												
B2 Slab Construction (Phase 3)																																					
Portion A16 - B2 Slab (200 thk) @ Lvl -0.05mPD																																					
A35510	Portion A16 - Construct B2 Slab	6	26-Aug-17	02-Sep-17	22-Aug-17 A	06-Oct-17	100%	60%	-82																												
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	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-84																												
A35540	Portion B18 - Construct B2 Slab	6	07-Oct-17	13-Oct-17	07-Oct-17	13-Oct-17	100%	0%	-84																												
Portion A17 - B2 Slab (200 thk) @ Lvl -0.05mPD																																					
A35560	Portion A17 - Granular Fill on Top of Pilecaps & Bottom slab	3	02-Sep-17	05-Sep-17	22-Aug-17 A	04-Oct-17	100%	50%	-98																												
A35570	Portion A17 - Construct B2 Slab	6	19-Sep-17	26-Sep-17	12-Sep-17 A	09-Oct-17	100%	25%	-95																												

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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)	September					October					November					December					January				
										24					25					26					27					28				
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08					
A36000	Fitout Works - Install bituminous road base for driveway	30	01-Mar-18	09-Apr-18	01-Mar-18	09-Apr-18	0%	0%	-111						A36000																			
A36010	Fitout Works - Install doors, grated drains, MOE steps & Signage	20	10-Apr-18	03-May-18	10-Apr-18	03-May-18	0%	0%	-111												A36010													
A36020	Remaining Fitout Works (B1/F) - After Removal of TC5 @ GL 4a-5a/Ea	16	04-May-18	23-May-18	04-May-18	23-May-18	0%	0%	-111																	A36020								
Portion B (Phase 1)																																		
A36030	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	40	03-Oct-17	20-Nov-17	03-Oct-17	20-Nov-17	100%	0%	-113																									
A36040	Fitout Works - Internal Ceiling & Wall Painting	40	17-Nov-17	05-Jan-18	17-Nov-17	05-Jan-18	100%	0%	-113																									
A36050	Fitout Works - Install bituminous road base for driveway	20	06-Jan-18	29-Jan-18	06-Jan-18	29-Jan-18	100%	0%	-113																									
A36060	Fitout Works - Install doors, grated drains, MOE steps & Signage	20	30-Jan-18	24-Feb-18	30-Jan-18	24-Feb-18	80%	0%	-113						A36060																			
Portion B (Phase 2)																																		
A36070	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	50	02-Nov-17	02-Jan-18	02-Nov-17	02-Jan-18	100%	0%	-107																									
A36080	Fitout Works - Internal Ceiling & Wall Painting	50	15-Dec-17	14-Feb-18	15-Dec-17	14-Feb-18	92%	0%	-107																									
A36090	Fitout Works - Install bituminous road base for driveway	30	15-Feb-18	24-Mar-18	15-Feb-18	24-Mar-18	0%	0%	-107						A36090																			
A36100	Fitout Works - Install doors, grated drains, MOE steps & Signage	30	26-Mar-18	04-May-18	26-Mar-18	04-May-18	0%	0%	-107												A36100													
Portion B (Phase 3)																																		
A36110	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	50	02-Nov-17	02-Jan-18	02-Nov-17	02-Jan-18	100%	0%	-74																									
A36120	Fitout Works - Internal Ceiling & Wall Painting	50	06-Dec-17	05-Feb-18	06-Dec-17	05-Feb-18	42%	0%	-74						A36120																			
A36130	Fitout Works - Install bituminous road base for driveway	30	06-Feb-18	15-Mar-18	06-Feb-18	15-Mar-18	0%	0%	-74												A36130													
A36140	Fitout Works - Install doors, grated drains, MOE steps & Signage	30	16-Mar-18	24-Apr-18	16-Mar-18	24-Apr-18	0%	0%	-74																						A36140			
B1/F to Roof ABWF and Fitout Works																																		
Portion A																																		
Phase 1 & 2																																		
A36150	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	60	03-Oct-17	13-Dec-17	03-Oct-17	13-Dec-17	100%	0%	-92																									
A36160	Fitout Works - Internal Ceiling & Wall Painting	60	15-Nov-17	26-Jan-18	15-Nov-17	26-Jan-18	95%	0%	-92																									
A36170	Fitout Works - Install bituminous road base for driveway	30	27-Jan-18	06-Mar-18	27-Jan-18	06-Mar-18	0%	0%	-92						A36170																			
A36180	Fitout Works - Install doors, grated drains, MOE steps & Signage	30	27-Jan-18	06-Mar-18	27-Jan-18	06-Mar-18	0%	0%	-92						A36180																			
Phase 3																																		
A36190	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	60	03-Oct-17	13-Dec-17	03-Oct-17	13-Dec-17	100%	0%	-92																									
A36200	Fitout Works - Internal Ceiling & Wall Painting	60	15-Nov-17	26-Jan-18	15-Nov-17	26-Jan-18	95%	0%	-92																									
A36210	Fitout Works - Install bituminous road base for driveway	30	27-Jan-18	06-Mar-18	27-Jan-18	06-Mar-18	0%	0%	-92						A36210																			
A36220	Fitout Works - Install doors, grated drains, MOE steps & Signage	30	27-Jan-18	06-Mar-18	27-Jan-18	06-Mar-18	0%	0%	-92						A36220																			
Portion B																																		
Phase 1 & 2																																		
A36230	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	75	03-Oct-17	03-Jan-18	03-Oct-17	03-Jan-18	78.67%	0%	-59																									
A36240	Fitout Works - Internal Ceiling & Wall Painting	75	06-Nov-17	03-Feb-18	06-Nov-17	03-Feb-18	42.67%	0%	-59																									
A36250	Fitout Works - Install bituminous road base for driveway	40	05-Feb-18	26-Mar-18	05-Feb-18	26-Mar-18	0%	0%	-59																	A36250								
A36260	Fitout Works - Install doors, grated drains, MOE steps & Signage	40	05-Feb-18	26-Mar-18	05-Feb-18	26-Mar-18	0%	0%	-59																	A36260								
Phase 3																																		
A36270	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	60	04-Jan-18	17-Mar-18	04-Jan-18	17-Mar-18	0%	0%	-59						A36270																			
A36280	Fitout Works - Internal Ceiling & Wall Painting	60	05-Feb-18	23-Apr-18	05-Feb-18	23-Apr-18	0%	0%	-59																	A36280								
ICP - Building Services																																		
B2/F level																																		
Electrical																																		
Phase 1 & 2																																		
A36310	ICP (Electrical) - B2/F Building Services (1st Fix)	30	12-Jan-18	15-Feb-18	01-Sep-17 A	14-Oct-17	76.67%	55%	-3																									
A36320	ICP (Electrical) - B2/F Building Services (2nd / Final Fix) & Testing	45	16-Oct-17	07-Dec-17	16-Oct-17	07-Dec-17	0%	0%	-3						A36320																			
Phase 3																																		

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December				January		
										24					25				26				27				28		
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08
A36330	ICP (Electrical) - B2/F Building Services (1st Fix)	40	09-Dec-17	27-Jan-18	01-Sep-17 A	26-Oct-17	64%	50%	-6																				
A36340	ICP (Electrical) - B2/F Building Services (2nd / Final Fix) & Testing	60	27-Oct-17	09-Jan-18	27-Oct-17	09-Jan-18	0%	0%	-6																				
Mechanical																													
Zone 1																													
A36350	ICP (MVAC) - B2/F Building Services (1st Fix)	40	01-Sep-17	19-Oct-17	01-Sep-17 A	26-Oct-17	0%	50%	27																				
A36360	ICP (MVAC) - B2/F Building Services (2nd / Final Fix) & Testing	60	27-Oct-17	09-Jan-18	27-Oct-17	09-Jan-18	0%	0%	27																				
Zone 2																													
A36370	ICP (MVAC) - B2/F Building Services (1st Fix)	40	19-Dec-17	06-Feb-18	01-Sep-17 A	26-Oct-17	100%	87%	-21																				
A36380	ICP (MVAC) - B2/F Building Services (2nd / Final Fix) & Testing	60	27-Oct-17	09-Jan-18	27-Oct-17	09-Jan-18	1.67%	0%	-21																				
Plumbing & Drainage																													
Zone 1																													
A36390	ICP (P&D) - B2/F Building Services (1st Fix)	40	27-Feb-18	18-Apr-18	27-Feb-18	18-Apr-18	0%	0%	-111																				
A36400	ICP (P&D) - B2/F Building Services (2nd / Final Fix) & Testing	60	19-Apr-18	30-Jun-18	19-Apr-18	30-Jun-18	0%	0%	-111																				
Zone 2																													
A36410	ICP (P&D) - B2/F Building Services (1st Fix)	40	08-Dec-17	26-Jan-18	08-Dec-17	26-Jan-18	100%	0%	-111																				
A36420	ICP (P&D) - B2/F Building Services (2nd / Final Fix) & Testing	60	15-Feb-18	04-May-18	15-Feb-18	04-May-18	0%	0%	-111																				
Fire Services (Wet)																													
Zone 1																													
A36430	ICP (FS-Wet) - B2/F Building Services (1st Fix)	40	27-Feb-18	18-Apr-18	27-Feb-18	18-Apr-18	0%	0%	-111																				
A36440	ICP (FS-Wet) - B2/F Building Services (2nd / Final Fix) & Testing	60	19-Apr-18	30-Jun-18	19-Apr-18	30-Jun-18	0%	0%	-111																				
Zone 2																													
A36450	ICP (FS-Wet) - B2/F Building Services (1st Fix)	40	08-Dec-17	26-Jan-18	08-Dec-17	26-Jan-18	100%	0%	-111																				
A36460	ICP (FS-Wet) - B2/F Building Services (2nd / Final Fix) & Testing	60	15-Feb-18	04-May-18	15-Feb-18	04-May-18	0%	0%	-111																				
Fire Services (Dry)																													
Zone 1																													
A36470	ICP (FS-Dry) - B2/F Building Services (1st Fix)	40	27-Feb-18	18-Apr-18	27-Feb-18	18-Apr-18	0%	0%	-111																				
A36480	ICP (FS-Dry) - B2/F Building Services (2nd / Final Fix) & Testing	60	19-Apr-18	30-Jun-18	19-Apr-18	30-Jun-18	0%	0%	-111																				
Zone 2																													
A36490	ICP (FS-Dry) - B2/F Building Services (1st Fix)	40	08-Dec-17	26-Jan-18	08-Dec-17	26-Jan-18	100%	0%	-111																				
A36500	ICP (FS-Dry) - B2/F Building Services (2nd / Final Fix) & Testing	60	15-Feb-18	04-May-18	15-Feb-18	04-May-18	0%	0%	-111																				
Lift Installation																													
A36510	Handover of Completed Lift Shaft (Lift 1 & Lift 2)	0	06-Jan-18		06-Jan-18*		100%	0%	-98																				
A36520	ICP (Lift 1 & 2) - Rail & Door Installation	10	06-Jan-18	17-Jan-18	06-Jan-18	17-Jan-18	100%	0%	-98																				
A36530	ICP (Lift 1 & 2) - Machine Room Installation	12	18-Jan-18	31-Jan-18	18-Jan-18	31-Jan-18	91.67%	0%	-98																				
A36540	ICP (Lift 1 & 2) - Pit Installation	6	01-Feb-18	07-Feb-18	01-Feb-18	07-Feb-18	0%	0%	-98																				
A36550	ICP (Lift 1 & 2) - Stable Power Installation	0		07-Feb-18		07-Feb-18	0%	0%	-98																				
A36560	ICP (Lift 1 & 2) - Car Installation	14	08-Feb-18	27-Feb-18	08-Feb-18	27-Feb-18	0%	0%	-98																				
A36570	ICP (Lift 1 & 2) - Wiring	12	28-Feb-18	13-Mar-18	28-Feb-18	13-Mar-18	0%	0%	-98																				
A36580	ICP (Lift 1 & 2) - Lift Testing & Commissioning	14	14-Mar-18	29-Mar-18	14-Mar-18	29-Mar-18	0%	0%	-98																				
A36590	ICP (Lift 1 & 2) - Lift Fitout & Ready for EMSD Inspection	30	03-Apr-18	09-May-18	03-Apr-18	09-May-18	0%	0%	-98																				
ELV Extra Low Voltage (Site Wide)																													
Zone 1																													
A36600	ICP (ELV) - B2/F Building Services (1st Fix)	40	16-Oct-17	01-Dec-17	16-Oct-17*	01-Dec-17	0%	0%	-3																				
A36610	ICP (ELV) - B2/F Building Services (2nd / Final Fix) & Testing	60	02-Dec-17	13-Feb-18	02-Dec-17	13-Feb-18	0%	0%	-3																				
Zone 2																													
A36620	ICP (ELV) - B2/F Building Services (1st Fix)	40	27-Nov-17	15-Jan-18	27-Nov-17	15-Jan-18	0%	0%	-10																				

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January							
										24					25					26					27					28							
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08								
A36630	ICP (ELV) - B2/F Building Services (2nd / Final Fix) & Testing	50	02-Jan-18	03-Mar-18	02-Jan-18	03-Mar-18	0%	0%	-10	A36630																											
B1/F Level																																					
CLP Works Leading to Energization / Power-On																																					
Electrical (B1/F) - Transformer Room (B128)																																					
A36650	CLP Transformer - Builders Works & BS Installation	16	10-Apr-17	02-May-17	10-Apr-17 A	10-Oct-17	100%	60%	-112																												
A36660	Inspection for Handover to CLP	5	11-Oct-17	16-Oct-17	11-Oct-17	16-Oct-17	100%	0%	-112																												
A36670	CLP Transformer Installation Works	90	17-Oct-17	14-Jan-18	17-Oct-17	14-Jan-18	100%	0%	-135																												
A36680	CLP Power-On & Energization	0		15-Jan-18		15-Jan-18	100%	0%	-92																												
Electrical (B1/F) - LV Switch room (B126)																																					
A36690	LV Switch room - Builders Works & BS Installation	30	03-Oct-17	08-Nov-17	03-Oct-17	08-Nov-17	100%	0%	-83																												
A36700	LV Switch room - Install LV Switch Board & Testing	45	09-Nov-17	03-Jan-18	09-Nov-17	03-Jan-18	100%	0%	-83																												
External Electrical Power and Lead-In Cable Ducts																																					
A36710	Construct (4x) 2.5x2.2x1.2m Electrical Draw Pits	36	03-Oct-17	15-Nov-17	03-Oct-17	15-Nov-17	100%	0%	-104																												
A36720	Install 12x150dia @ 2-Layers GI Ducts	36	17-Oct-17	28-Nov-17	17-Oct-17	28-Nov-17	100%	0%	-104																												
A36730	MV Cable Laying & Testing	30	11-Nov-17	15-Dec-17	11-Nov-17	15-Dec-17	100%	0%	-104																												
A36740	MV Cable Termination and Test (by CLP)	12	16-Dec-17	02-Jan-18	16-Dec-17	02-Jan-18	100%	0%	-104																												
A36750	Pre-Energization Checked & Testing	6	03-Jan-18	09-Jan-18	03-Jan-18	09-Jan-18	100%	0%	-104																												
A36760	MV Syst Energized / Syst Commissioning Acceptance Test	6	10-Jan-18	16-Jan-18	10-Jan-18	16-Jan-18	100%	0%	-104																												
A36770	Power Energization Complete and Ready for Power-On	0		16-Jan-18		16-Jan-18	100%	0%	-104																												
Electrical (B1/F) - General Works																																					
A36780	ICP (Electrical) - B1/F Building Services (1st Fix)	60	27-Jan-18	14-Apr-18	27-Jan-18	14-Apr-18	0%	0%	-92	A36780																											
A36790	ICP (Electrical) - B1/F Building Services (2nd / Final Fix) & Testing	75	19-Mar-18	21-Jun-18	19-Mar-18	21-Jun-18	0%	0%	-92	A36790																											
A36800	ICP (Electrical) - Install Generator Set & Testing	45	19-Mar-18	15-May-18	19-Mar-18	15-May-18	0%	0%	-92	A36800																											
Mechanical General																																					
A36810	ICP (MVAC) - B1/F Building Services (1st Fix)	60	20-Dec-17	06-Mar-18	20-Dec-17	06-Mar-18	45%	0%	-92																												
A36820	ICP (MVAC) - B1/F Building Services (2nd / Final Fix) & Testing	75	08-Feb-18	15-May-18	08-Feb-18	15-May-18	0%	0%	-92	A36820																											
FS Plant Rooms (FS Pump Room and Security Room)																																					
A36830	FS Rooms - Builders Works & BS Installation	45	03-Oct-17	25-Nov-17	03-Oct-17	25-Nov-17	100%	0%	-83																												
A36840	FS Rooms - Install Pumps, Equipment & Cabinet	45	02-Nov-17	23-Dec-17	02-Nov-17	23-Dec-17	100%	0%	-83																												
A36850	FS Rooms - Install Fresh / Potable Pipeworks & Testing	30	07-Dec-17	13-Jan-18	07-Dec-17	13-Jan-18	96.67%	0%	-83																												
A36860	Install Water Meter Cabinet	12	15-Jan-18	27-Jan-18	15-Jan-18	27-Jan-18	0%	0%	-83	A36860																											
Fire Services (Wet)																																					
Zone 1																																					
A36870	ICP (FS-Wet) - B1/F Building Services (1st Fix)	40	15-Nov-17	03-Jan-18	15-Nov-17	03-Jan-18	100%	0%	-92																												
A36880	ICP (FS-Wet) - B1/F Building Services (2nd / Final Fix) & Testing	50	30-Dec-17	02-Mar-18	30-Dec-17	02-Mar-18	40%	0%	-92	A36880																											
Zone 2																																					
A36890	ICP (FS-Wet) - B1/F Building Services (1st Fix)	50	04-Jan-18	06-Mar-18	04-Jan-18	06-Mar-18	34%	0%	-92	A36890																											
A36900	ICP (FS-Wet) - B1/F Building Services (2nd / Final Fix) & Testing	60	20-Feb-18	05-May-18	20-Feb-18	05-May-18	0%	0%	-92	A36900																											
Fire Services (Dry)																																					
Zone 1																																					
A36910	ICP (FS-Dry) - B1/F Building Services (1st Fix)	40	15-Nov-17	03-Jan-18	15-Nov-17	03-Jan-18	100%	0%	-92																												
A36920	ICP (FS-Dry) - B1/F Building Services (2nd / Final Fix) & Testing	50	30-Dec-17	02-Mar-18	30-Dec-17	02-Mar-18	40%	0%	-92	A36920																											
Zone 2																																					
A36930	ICP (FS-Dry) - B1/F Building Services (1st Fix)	50	04-Jan-18	06-Mar-18	04-Jan-18	06-Mar-18	34%	0%	-92	A36930																											
A36940	ICP (FS-Dry) - B1/F Building Services (2nd / Final Fix) & Testing	60	20-Feb-18	05-May-18	20-Feb-18	05-May-18	0%	0%	-92	A36940																											
ELV Extra Low Voltage (Site Wide)																																					

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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)	September					October				November				December				January		
										24					25				26				27				28		
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08
A25130	M70 - Arts Pavilion Area on M+ side of M+ / Park Interface (t.b.a.)	0	01-Oct-17		01-Oct-17*		100%	0%	-122	M70 - Arts Pavilion Area on M+ side of M+ / Park Interface (t.b.a.), 01-Oct-17*																			
Vacation Date																													
A25240	M04 - Underground Fuel Tank Area beside M+ Entrance Portal (25Jan1	0		02-Jan-18		02-Jan-18	0%	0%	-48																				
A25250	M05 - SPS Frontage At-grade Road (25Jan19)	0		20-Dec-17		20-Dec-17	100%	0%	-86	M05 - SPS Frontage																			
A25320	M12 - Lyric Interface North (2nd H/O to Lyric) (31Mar17)	0		22-Jan-18		22-Jan-18	0%	0%	-83																				
A25330	M13 - Lyric Interface Over AEL (H/O to Lyric) (31Aug17)	0		31-Jan-18		31-Jan-18	0%	0%	-83																				
A25345	M14 - Lyric Interface South, GL 6-12 (2nd H/O to Lyric)	0		01-Feb-18		01-Feb-18	0%	0%	-83																				
A25350	M14a - Lyric Interface South, GL 12-14 (31Jan16)	0		10-Nov-17		16-Feb-16 A	0%	100%	634	M14a - Lyric Interface South, GL 12-14 (31Jan16),																			
A25370	M15 - M+ / Lyric Staircase (2nd H/O to Lyric) (25Jan19)	0		01-Feb-18		01-Feb-18	0%	0%	-83																				
A25390	M16 - M+ Lyric Interface South (2nd H/O to Lyric) (31May17)	0		01-Feb-18		01-Feb-18	0%	0%	-92																				
A25420	M19 - M+ Waterfront Promenade Part within STT Area (H/O to Waterl	0		27-Jan-18		27-Jan-18	0%	0%	-88																				
A25430	M20 - Site Outside Parcel Boundary East of Promenade (H/O to Water	0		26-Mar-18		26-Mar-18	0%	0%	-119																				
A25480	M26 - M+ Entrance interface with At-grade Road (Practical Completion)	0		30-Oct-17		30-Oct-17	100%	0%	-109	M26 - M+ Entrance interface with At-grade Road (Practical Comp																			
A25490	M27 - New Temporary Access Road outside Park Boundary (Practical C	0		09-Dec-17		09-Dec-17	100%	0%	-81	M27 - New Temporary Acce																			
A25500	M28 - New Temporary Access Road Part in Hotel/OACF Site (Practical i	0		09-Dec-17		09-Dec-17	100%	0%	-81	M28 - New Temporary Acce																			
A25550	M38 - Lyric Waterfront (Part of MTR Area A1) (H/O to Lyric) (31May20	0		01-Feb-18		01-Feb-18	0%	0%	-92																				
A25560	M39 - Lyric Waterfront / through ESS Compound (H/O to Lyric) (31May	0		01-Feb-18		01-Feb-18	0%	0%	-92																				
A25570	M40 - Lyric Waterfront Part for Access Around ESS Compound (H/O to	0		04-Apr-18		04-Apr-18	0%	0%	-120																				
A25580	M41 - Lyric Waterfront at Barging Point (Part of MTR Area 3) (Prior to	0		01-Feb-18		01-Feb-18	0%	0%	-92																				
A25590	M42 - Lyric Waterfront east of barging point (Prior to Lyric Main Ctr) (3	0		01-Feb-18		01-Feb-18	0%	0%	-92																				
A25600	M43 - At-grade Road Footpath at ICP / SPS Entrance Portal (Practical C	0		09-Dec-17		09-Dec-17	100%	0%	-81	M43 - At-grade Road Footpa																			
A25610	M44 - At-grade Road Footpath at ICP / SPS Frontage (H/O to PIW) (08J	0		01-Feb-18		01-Feb-18	0%	0%	-115																				
A25620	M45 - At-grade Road Footpath along M+ Basement (H/O to PIW) (8Jul	0		17-Mar-18		17-Mar-18	0%	0%	-138																				
A25630	M46 - M+ Waterfront Promenade Part incl' Existing MTR Pum Cells (H/	0		04-Apr-18		04-Apr-18	0%	0%	-120																				
A25640	M47 - M+ Promenade Terrace (Practical Completion)	0		22-Nov-17		22-Nov-17	0%	0%	-28	M47 - M+ Promenade Terrace (Practical Con																			
A25650	M48 - M+ Waterfront Promenade Part incl' KGO Pump Cells (H/O to W	0		22-Nov-17		22-Nov-17	0%	0%	-28	M48 - M+ Waterfront Promenade Part incl'																			
A25660	M49 - M+ Waterfront Part for Access Around ESS (H/O to Waterfront F	0		22-Nov-17		22-Nov-17	0%	0%	-28	M49 - M+ Waterfront Part for Access Around																			
A25670	M50 - Internal Areas of SPS (for Park Opening) (25Jun2017)	0		20-Oct-17		20-Oct-17	100%	0%	-35	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		09-Dec-17		09-Dec-17	100%	0%	-81	M51 - Entrance to SPS withi																			
A25730	M57 - Area Around South side of ICP (Practical Completion)	0		20-Nov-17		20-Nov-17	100%	0%	-56	M57 - Area Around South side of ICP (Practica																			
A25760	M60 - ICP Level B1 Roof Top (Practical Completion)	0		08-Nov-17		08-Nov-17	100%	0%	-112	M60 - ICP Level B1 Roof Top (Practical Completion),																			
A25890	M76 - Interfacing Park Landscape Area between M+ Southern EVA & Pi	0		20-Nov-17		20-Nov-17	100%	0%	-56	M76 - Interfacing Park Landscape Area betwe																			
A25900	M77 - Interfacing Park Landscape Area South of M+ Southern EVA (25J	0		20-Nov-17		20-Nov-17	100%	0%	-56	M77 - Interfacing Park Landscape Area South																			
Interface Schedule (Appedix D1 - 16 December 2015)																													
Lyric Theatre Complex and Extended Basement (Lyric)																													
Along Interface North of AEL																													
A25970	Vacate M12 permanently (31 Mar 2017)	0		22-Jan-18		22-Jan-18	0%	0%	-68																				
Along Interface South of AEL																													
A25990	Complete seawater discharge pipes in Portions M15, M16, M38, M39 (0		01-Feb-18		01-Feb-18	0%	0%	-76																				
A26000	Vacate portions M16, M38 and M39	0		01-Feb-18		01-Feb-18	0%	0%	-76																				
A26010	Vacate Portion M15 (31 May 2017)	0		03-Oct-17		03-Oct-17	0%	0%	10	Vacate Portion M15 (31 May 2017),																			
DCS Basement Area																													
A26050	Complete the staircase and external wall and permanently vacate M15	0		01-Feb-18		01-Feb-18	0%	0%	-68																				
Grid 6 & 12 Area (Portion M14)																													
A26070	Complete Basement Road Wall between PC96, 103 & 105 to G/F Level	0		01-Feb-18		01-Feb-18	0%	0%	-68																				
Along Interface Over of AEL																													

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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)	September					October					November					December					January	
										24					25					26					27					28	
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08		
Construction																															
Seawater Outfall Pipe																															
Construction at CH0+66 to CH0+108																															
Trench Excavation & Pipe works (CH0+66 to CH0+102)																															
A26670	Trench Excavation@+3.0mPD to Final excavation Lvl	3	22-Jul-17	25-Jul-17	03-Jul-17 A	30-Sep-17 A	100%	100%	-98																						
A26680	Pipe Laying & Associated Works	6	18-Jul-17	25-Jul-17	12-Jul-17 A	30-Sep-17 A	100%	100%	-92																						
A26700	Pressure Test	6	03-Oct-17	10-Oct-17	03-Oct-17	10-Oct-17	100%	0%	-86																						
A26710	Back Filling to Struts & Wailing Lvl	6	11-Oct-17	17-Oct-17	11-Oct-17	17-Oct-17	100%	0%	-86																						
A26720	Dismantle Struts & Wailing	3	18-Oct-17	20-Oct-17	18-Oct-17	20-Oct-17	100%	0%	-86																						
A26730	Back Filling to GL	6	21-Oct-17	27-Oct-17	21-Oct-17	27-Oct-17	100%	0%	-86																						
A26740	Extract Sheetpiles	3	30-Oct-17	01-Nov-17	30-Oct-17	01-Nov-17	100%	0%	-86																						
Construct Cofferdam & Pipe works for Lead In (CH0+102 to CH0+108)																															
A26750	Drive in Sheetpiles (Cofferdam) @ 18m depth	9	03-Oct-17	13-Oct-17	03-Oct-17	13-Oct-17	100%	0%	-110																						
A26760	Curtain Grouting (where required)	12	14-Oct-17	27-Oct-17	14-Oct-17	27-Oct-17	100%	0%	-110																						
A26770	Dewatering	1	30-Oct-17	30-Oct-17	30-Oct-17	30-Oct-17	100%	0%	-110																						
A26780	ELS Excavation (Cofferdam)@GL +5.0mPD to +3.0mPD	3	31-Oct-17	02-Nov-17	31-Oct-17	02-Nov-17	100%	0%	-110																						
A26790	Install 1st Layer Strut & Wailing (Cofferdam) @ +3.5mPD	6	03-Nov-17	09-Nov-17	03-Nov-17	09-Nov-17	100%	0%	-110																						
A26800	ELS Excavation (Cofferdam)@+3.0mPD to +0.275mPD	3	10-Nov-17	13-Nov-17	10-Nov-17	13-Nov-17	100%	0%	-110																						
A26810	Install 2nd Layer Strut & Wailing (Cofferdam) @ +0.775mPD	6	14-Nov-17	20-Nov-17	14-Nov-17	20-Nov-17	100%	0%	-110																						
A26820	ELS Excavation (Cofferdam)@+0.275mPD to -2.45mPD	3	21-Nov-17	23-Nov-17	21-Nov-17	23-Nov-17	100%	0%	-110																						
A26830	Install 3rd Layer Strut & Wailing (Cofferdam) @ -1.95mPD	6	24-Nov-17	30-Nov-17	24-Nov-17	30-Nov-17	100%	0%	-110																						
A26840	ELS Excavation Final (Cofferdam)@ -2.45mPD to -3.70mPD	3	01-Dec-17	04-Dec-17	01-Dec-17	04-Dec-17	100%	0%	-110																						
A26850	Pipe Laying & Associated Works	4	05-Dec-17	08-Dec-17	05-Dec-17	08-Dec-17	100%	0%	-110																						
A26860	Construct 2 Nos of Bend Block	6	09-Dec-17	15-Dec-17	09-Dec-17	15-Dec-17	100%	0%	-110																						
A26870	Construct Valve Chamber	10	16-Dec-17	29-Dec-17	16-Dec-17	29-Dec-17	100%	0%	-110																						
A26900	Dismantle 3rd Layer Struts & Wailing	3	10-Jan-18	12-Jan-18	10-Jan-18	12-Jan-18	100%	0%	-110																						
A26910	Back Filling to 2nd Layer Strut	2	13-Jan-18	15-Jan-18	13-Jan-18	15-Jan-18	100%	0%	-110																						
A26920	Dismantle 2nd Layer Struts & Wailing	3	16-Jan-18	18-Jan-18	16-Jan-18	18-Jan-18	100%	0%	-110																						
A26930	Back Filling to 1st Layer Struts	2	19-Jan-18	20-Jan-18	19-Jan-18	20-Jan-18	100%	0%	-110																						
A26940	Dismantle 1st Layer Struts & Wailing	3	22-Jan-18	24-Jan-18	22-Jan-18	24-Jan-18	100%	0%	-110																						
A26950	Back Filling to GL	2	25-Jan-18	26-Jan-18	25-Jan-18	26-Jan-18	100%	0%	-110																						
Construction at CH0+0 to CH66																															
Trench Excavation & Pipe works CH0+32 to CH0+66																															
A26970	Trench Excavation	3	16-Sep-17	19-Sep-17	03-Jul-17 A	04-Oct-17	100%	10%	-52																						
A27000	Install 2nd Layer of Struts & Wailing	12	02-Aug-17	15-Aug-17	20-Mar-17 A	31-Mar-17 A	100%	100%	127																						
A27010	Trench Excavation to Final Level	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-23																						
A27020	Pipe Laying & Associated Works	6	07-Oct-17	13-Oct-17	07-Oct-17	13-Oct-17	100%	0%	-23																						
A27030	Pressure Test	6	14-Oct-17	20-Oct-17	14-Oct-17	20-Oct-17	100%	0%	-23																						
A27040	Back Filling	6	21-Oct-17	27-Oct-17	21-Oct-17	27-Oct-17	100%	0%	-23																						
A27050	Dismantle 2nd Layer Struts & Wailing	3	30-Oct-17	01-Nov-17	30-Oct-17	01-Nov-17	66.67%	0%	-23																						
A27060	Back Filling to 1st Layer of Struts	6	02-Nov-17	08-Nov-17	02-Nov-17	08-Nov-17	0%	0%	-23																						
A27070	Dismantle 1st Layer Struts & Wailing	3	09-Nov-17	11-Nov-17	09-Nov-17	11-Nov-17	0%	0%	-23																						
A27080	Back Filling to GL	6	13-Nov-17	18-Nov-17	13-Nov-17	18-Nov-17	0%	0%	-23																						
A27090	Extract Sheetpiles	3	20-Nov-17	22-Nov-17	20-Nov-17	22-Nov-17	0%	0%	-23																						
Trench Excavation & Pipe works CH0+0 to CH0+32																															
A27100	Drive in Sheet Piles	9	02-Nov-17	11-Nov-17	02-Nov-17	11-Nov-17	100%	0%	-86																						

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December				January										
										24					25				26				27				28										
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08								
A58740	Install Sump Pumps	28	10-Oct-17	07-Nov-17	10-Oct-17	07-Nov-17	100%	0%	-94																												
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-Apr-18	15-Apr-18	06-Apr-18	15-Apr-18	0%	0%	-111																												
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-Apr-18	26-Apr-18	16-Apr-18	26-Apr-18	0%	0%	-111																												
A58790	Hydraulic Test (Cleansing Pipes)	6	27-Apr-18	03-May-18	27-Apr-18	03-May-18	0%	0%	-111																												
Electrical Works																																					
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																												
Demolition of CSO Office																																					
A27760	CSO Office relocation	0		07-Oct-17		07-Oct-17*	100%	0%	-45																												
A27770	Demolish Existing CSO Office	36	09-Oct-17	20-Nov-17	09-Oct-17	20-Nov-17	100%	0%	-45																												
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	03-Oct-17		03-Oct-17*		100%	0%	-113																												
A27800	Excavate Trial Trench for UU within Austin Road West Area	12	03-Oct-17	17-Oct-17	03-Oct-17	17-Oct-17	100%	0%	-113																												
A27810	Demolished Existing Planter	10	18-Oct-17	30-Oct-17	18-Oct-17	30-Oct-17	100%	0%	-113																												
A27820	Excavate & Install Lateral Support	10	31-Oct-17	10-Nov-17	31-Oct-17	10-Nov-17	100%	0%	-113																												
A27830	Construct M+ Terminal Manhole F1.3A	6	11-Nov-17	17-Nov-17	11-Nov-17	17-Nov-17	100%	0%	-113																												
A27840	Lay down DN375 F1.3B to F1.3A to F1.2	3	18-Nov-17	21-Nov-17	18-Nov-17	21-Nov-17	100%	0%	-113																												
A27850	Pressure Test	3	22-Nov-17	24-Nov-17	22-Nov-17	24-Nov-17	100%	0%	-113																												
A27860	Back fill & Reinstate pavement / Reinstate Planter	9	25-Nov-17	05-Dec-17	25-Nov-17	05-Dec-17	100%	0%	-113																												
A27870	HCC connect DN375 to F1.2	1	06-Dec-17	06-Dec-17	06-Dec-17	06-Dec-17	100%	0%	-113																												
Sewerage at Portion M01, Gridline A/ 3-14																																					
A27940	HCC grant access to Park Contractor for SM100 construction	0	07-Nov-17		07-Nov-17		100%	0%	-87																												
MH F2.1B to MH F2.1A																																					
A27980	Construct Manhole F2.1A	6	22-Aug-17	28-Aug-17	17-Aug-17 A	23-Sep-17 A	100%	100%	-99																												
A28000	Lay & Connect Sewerage Pipe incoming from M+ to MH F2.1A	2	25-Sep-17	26-Sep-17	22-Sep-17 A	23-Sep-17 A	100%	100%	-99																												
A28010	Pressure Test	3	01-Sep-17	05-Sep-17	23-Aug-17 A	23-Sep-17 A	100%	100%	-96																												
A28020	Backfill to ground level	4	05-Sep-17	09-Sep-17	24-Aug-17 A	03-Oct-17	100%	75%	-99																												
MH F2.1C to MH F2.1B																																					
A28070	Backfill to ground level	5	29-Sep-17	06-Oct-17	17-Aug-17 A	06-Oct-17	100%	50%	-82																												
MH F2.1D to MH F2.1C																																					
A28080	Completion of G/F Slab, Wall & Column at Portion E	0		30-Sep-17		30-Sep-17	100%	0%	-113																												
A28090	Manhole & Trench Excavation for Sewerage Pipe between MH F2.1D to	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-87																												
A28100	Construct Manhole F2.1D	10	07-Oct-17	18-Oct-17	07-Oct-17	18-Oct-17	100%	0%	-87																												
A28110	Lay Sewerage Pipe DN375 between MH F2.1D to F2.1C (Approx. 21m)	4	07-Oct-17	11-Oct-17	07-Oct-17	11-Oct-17	100%	0%	-87																												
A28120	Lay & Connect Sewerage Pipe incoming from M+ to MH F2.1C	2	12-Oct-17	13-Oct-17	12-Oct-17	13-Oct-17	100%	0%	-87																												
A28130	Pressure Test	3	19-Oct-17	21-Oct-17	19-Oct-17	21-Oct-17	100%	0%	-87																												
A28140	Backfill to ground level	3	23-Oct-17	25-Oct-17	23-Oct-17	25-Oct-17	100%	0%	-87																												
MH F2.1E to MH F2.1D																																					
A28150	Manhole & Trench Excavation for Sewerage Pipe between MH F2.1E to	3	19-Oct-17	21-Oct-17	19-Oct-17	21-Oct-17	100%	0%	-87																												
A28160	Construct Manholes F2.1E	6	23-Oct-17	30-Oct-17	23-Oct-17	30-Oct-17	100%	0%	-87																												
A28170	Lay Sewerage Pipe between MH F2.1E to F2.1D (DN375mm) (Approx. 21m)	6	23-Oct-17	30-Oct-17	23-Oct-17	30-Oct-17	100%	0%	-87																												
A28180	Pressure Test	3	31-Oct-17	02-Nov-17	31-Oct-17	02-Nov-17	100%	0%	-87																												

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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)	September					October					November					December					January			
										24					25					26					27					28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08				
A28960	Backfill to existing ground level	3	04-Nov-17	07-Nov-17	04-Nov-17	07-Nov-17	100%	0%	-60																								
Storm Drain DN600 along Gridline B-E/14 (MH S2.10 to S2.9c)																																	
A28970	Excavate Trial Trench	3	03-Oct-17	06-Oct-17	03-Oct-17*	06-Oct-17	100%	0%	-113																								
A28980	Excavate to Formation Level	3	07-Oct-17	10-Oct-17	07-Oct-17	10-Oct-17	100%	0%	-113																								
A28990	Lay DN600 Pipe from MHS2.10 to S2.9c (Approx 30m)	3	11-Oct-17	13-Oct-17	11-Oct-17	13-Oct-17	100%	0%	-113																								
A29000	Pressure Test	3	14-Oct-17	17-Oct-17	14-Oct-17	17-Oct-17	100%	0%	-113																								
A29010	Backfill to existing ground level	3	18-Oct-17	20-Oct-17	18-Oct-17	20-Oct-17	100%	0%	-113																								
Storm Drain DN750 along Gridline A-B/14 (MH S2.9c to S2.9b to S2.9a)																																	
A29020	Excavate Trial Trench	3	27-Oct-17	31-Oct-17	27-Oct-17	31-Oct-17	100%	0%	-60																								
A29030	Excavate to formation level	6	01-Nov-17	07-Nov-17	01-Nov-17	07-Nov-17	100%	0%	-60																								
A29040	Construct Manhole S2.9b & S2.9c	15	08-Nov-17	24-Nov-17	08-Nov-17	24-Nov-17	100%	0%	-60																								
A29050	Lay DN750 pipe from Manholes S2.9c to S2.9b to S2.9a (Approx. 21m)	6	25-Nov-17	01-Dec-17	25-Nov-17	01-Dec-17	100%	0%	-60																								
A29060	Pressure Test	3	02-Dec-17	05-Dec-17	02-Dec-17	05-Dec-17	100%	0%	-60																								
A29070	Backfill to existing ground level	3	06-Dec-17	08-Dec-17	06-Dec-17	08-Dec-17	100%	0%	-60																								
Storm Drain DN450 suspended along Gridline J'/1'-M/1																																	
Storm Drain at Portion M12																																	
A29090	Install scaffolding @ M12	6	11-Dec-17	18-Dec-17	11-Dec-17	18-Dec-17	100%	0%	-68																								
A29100	Install Brackets for Suspension Pipe	10	18-Dec-17	30-Dec-17	18-Dec-17	30-Dec-17	50%	0%	-68																								
A29110	Lay horizontal suspended DN450 pipe (Approx. 120m)	6	02-Jan-18	08-Jan-18	02-Jan-18	08-Jan-18	0%	0%	-68																								
A29120	Install suspended vertical Rain Water Outlet DN150 - 4 nos	2	05-Jan-18	06-Jan-18	05-Jan-18	06-Jan-18	0%	0%	-68																								
A29130	Install suspended vertical Draingage DN100 - 5 nos	5	08-Jan-18	12-Jan-18	08-Jan-18	12-Jan-18	0%	0%	-68																								
A29140	Pressure Test	3	13-Jan-18	16-Jan-18	13-Jan-18	16-Jan-18	0%	0%	-68																								
A29145	Removal of scaffolding @M12	4	17-Jan-18	20-Jan-18	17-Jan-18	20-Jan-18	0%	0%	-68																								
A29150	Complete suspended Storm Drain at Portion M12 & Remove scaffolding	0		20-Jan-18		20-Jan-18	0%	0%	-68																								
A29155	Finish clear up @ M12	1	22-Jan-18	22-Jan-18	22-Jan-18	22-Jan-18	0%	0%	-68																								
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		16-Dec-17		16-Dec-17	100%	0%	-68																								
A29170	Install scaffolding @ M13	6	18-Dec-17	23-Dec-17	18-Dec-17	23-Dec-17	83.33%	0%	-68																								
A29180	Install Brackets for Suspension Pipe	10	27-Dec-17	08-Jan-18	27-Dec-17	08-Jan-18	0%	0%	-68																								
A29190	Lay suspended horizontal DN350 pipe (Approx. 50m)	6	09-Jan-18	15-Jan-18	09-Jan-18	15-Jan-18	0%	0%	-68																								
A29200	Install suspended vertical Rain Water Outlet DN150 - 2 nos	1	12-Jan-18	12-Jan-18	12-Jan-18	12-Jan-18	0%	0%	-68																								
A29210	Install suspended vertical Drainage Pipe DN100 - 2 nos	3	13-Jan-18	16-Jan-18	13-Jan-18	16-Jan-18	0%	0%	-68																								
A29220	Pressure Test	3	17-Jan-18	19-Jan-18	17-Jan-18	19-Jan-18	0%	0%	-68																								
A29225	Removal of scaffolding @M13	4	20-Jan-18	24-Jan-18	20-Jan-18	24-Jan-18	0%	0%	-68																								
A29230	Complete suspended Storm Drain at Portion M13	0		24-Jan-18		24-Jan-18	0%	0%	-68																								
A29235	Finish clear up @ M13	1	25-Jan-18	25-Jan-18	25-Jan-18	25-Jan-18	0%	0%	-68																								
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	03-Oct-17		03-Oct-17*		100%	0%	-113																								
A29250	External Wall @ M14 Gridline M/4-12 (including Wall finish) - complete	0		16-Dec-17		16-Dec-17	100%	0%	-68																								
A29260	Install scaffolding at M14	6	27-Dec-17	03-Jan-18	27-Dec-17	03-Jan-18	0%	0%	-68																								
A29270	Install Brackets for Suspension Pipe	5	09-Jan-18	13-Jan-18	09-Jan-18	13-Jan-18	0%	0%	-68																								
A29280	Lay suspended horizontal DN250 pipe (Approx. 105m)	8	16-Jan-18	24-Jan-18	16-Jan-18	24-Jan-18	0%	0%	-68																								
A29290	Install suspended vertical Rain Water Outlet DN150 - 6 nos	3	19-Jan-18	22-Jan-18	19-Jan-18	22-Jan-18	0%	0%	-68																								
A29300	Install suspended vertical Rain Water Outlet DN80- 2 nos	1	23-Jan-18	23-Jan-18	23-Jan-18	23-Jan-18	0%	0%	-68																								

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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)	September					October					November					December					January			
										24					25					26					27					28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08				
A29310	Install suspended vertical Drainage Pipe DN100 - 5 nos	5	19-Jan-18	24-Jan-18	19-Jan-18	24-Jan-18	0%	0%	-68																								
A29320	Pressure Test	3	25-Jan-18	27-Jan-18	25-Jan-18	27-Jan-18	0%	0%	-68																								
A29325	Removal of scaffolding @M14	4	29-Jan-18	01-Feb-18	29-Jan-18	01-Feb-18	0%	0%	-68																								
A29330	Complete suspended Storm Drain along Portion M14	0		01-Feb-18		01-Feb-18	0%	0%	-68																								
A29335	Finish clear up @ M13	1	02-Feb-18	02-Feb-18	02-Feb-18	02-Feb-18	0%	0%	-68																								
Storm Drain DN600 at Portion M45																																	
Storm Drain along Gridline D'-E'/1'-2' (MH WHC6_1c to S3.4)																																	
A29380	Formation and Construct MH S3.4	8	03-Oct-17	12-Oct-17	03-Oct-17	12-Oct-17	100%	0%	-113																								
Storm Drain along Gridline E'-G' / 1'-2' (MH S3.4 to S3.3 to S3.2)																																	
A29440	Formation & Construct MH S3.3 & S3.2	10	03-Oct-17	14-Oct-17	03-Oct-17	14-Oct-17	100%	0%	-113																								
A29450	Connect DN250 pipe x 3Nos to MH S3.3	1	14-Oct-17	14-Oct-17	14-Oct-17	14-Oct-17	100%	0%	-113																								
A29460	Connect DN250 pipe x 2Nos to MH S3.2	1	14-Oct-17	14-Oct-17	14-Oct-17	14-Oct-17	100%	0%	-113																								
A29470	Formation & Lay DN600 pipe from S3.4 to S3.3 to S3.2 (Approx 7m)	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-113																								
A29480	Pressure Test	3	16-Oct-17	18-Oct-17	16-Oct-17	18-Oct-17	100%	0%	-113																								
A29490	Backfill trench to Ground Level	0	19-Oct-17		19-Oct-17		100%	0%	-113																								
Storm Drain DN450 at Portion M01																																	
Storm Drain along Gridline G'-J' / 1'-2' (MH S3.2 to S3.1 to S3.1b to S3.1a)																																	
A29500	Formation & Construct MH S3.1, S3.1b & S3.1a	15	19-Oct-17	06-Nov-17	19-Oct-17	06-Nov-17	100%	0%	-113																								
A29510	Connect DN200 pipe to MH S3.1	1	06-Nov-17	06-Nov-17	06-Nov-17	06-Nov-17	100%	0%	-113																								
A29520	Connect DN200 pipe to MH S3.1b	1	06-Nov-17	06-Nov-17	06-Nov-17	06-Nov-17	100%	0%	-113																								
A29530	Connect DN300 & DN400 pipe to MH S3.1a	1	06-Nov-17	06-Nov-17	06-Nov-17	06-Nov-17	100%	0%	-113																								
A29540	Formation & Lay DN450 pipe from MH3.2 to S3.1a (Approx. 39m)	4	19-Oct-17	23-Oct-17	19-Oct-17	23-Oct-17	100%	0%	-113																								
A29550	Pressure Test	3	07-Nov-17	09-Nov-17	07-Nov-17	09-Nov-17	100%	0%	-113																								
A29560	Backfill trench to Ground Level	2	10-Nov-17	11-Nov-17	10-Nov-17	11-Nov-17	100%	0%	-113																								
Storm Drain DN375 at Portion M45																																	
Storm Drain along Gridline A-K' / 5' (S1.1 to S1.2 to WHC6_1e)																																	
A29590	Excavate Trial Trench for existing Underground Utilities	14	03-Oct-17	19-Oct-17	03-Oct-17	19-Oct-17	100%	0%	-113																								
A29600	Install support to existing underground Utilities	14	20-Oct-17	06-Nov-17	20-Oct-17	06-Nov-17	100%	0%	-113																								
A29610	Excavate trench for DN375 and install shoring	50	03-Nov-16	03-Jan-17	03-Nov-16 A	16-Oct-17	100%	76%	-112																								
A29620	Construct Manhole S1.1 & S1.2	41	07-Nov-16	23-Dec-16	07-Nov-16 A	09-Oct-17	100%	85%	-112																								
A29630	Lay down DN375 pipe between WHC6_1e to S1.1 to S1.2 (Approx.55m)	40	12-Nov-16	30-Dec-16	12-Nov-16 A	13-Oct-17	100%	76%	-112																								
A29640	Pressure Test	29	16-Nov-16	19-Dec-16	16-Nov-16 A	03-Oct-17	100%	95%	-113																								
A29650	Backfill and reinstate pavement	24	22-Nov-16	19-Dec-16	22-Nov-16 A	03-Oct-17	100%	92%	-112																								
Storm Drain DN150 at Portion M04																																	
Storm Drain for MH WHC6_1f																																	
A29660	PIW allow access to WHC6_1f for M+ connection	0	03-Oct-17		03-Oct-17		100%	0%	-110																								
A29670	Fence off work area for DN150 storm drain excavation	1	03-Oct-17	03-Oct-17	03-Oct-17	03-Oct-17	100%	0%	-110																								
A29680	Excavate Trial Trench fo existing Underground Utilities	14	03-Oct-17	19-Oct-17	03-Oct-17	19-Oct-17	100%	0%	-110																								
A29690	Excavate trench for DN150 and install shoring	7	20-Oct-17	27-Oct-17	20-Oct-17	27-Oct-17	100%	0%	-110																								
A29700	Lay down DN150 and connect to WHC6_1f (approx. 11m)	4	30-Oct-17	02-Nov-17	30-Oct-17	02-Nov-17	100%	0%	-110																								
A29710	Backfill and reinstate pavement	3	03-Nov-17	06-Nov-17	03-Nov-17	06-Nov-17	100%	0%	-110																								
Storm Drain DN300 at Portion M44 (MH6_2a.1 to DM65)																																	
Grd Lvl - Storm / Drainage Connection (Outside SPS)																																	
A37250	Sewerage - Construct 5x Manholes	60	13-Feb-17	27-Apr-17	13-Feb-17 A	06-Oct-17	100%	95%	-111																								
A37260	Sewerage - Install 450 / 300 Storm Drainage Pipes & Testing	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-56																								
A37280	Connect to Existing Storm Manholes & Backfill	3	03-Oct-17	06-Oct-17	03-Oct-17	06-Oct-17	100%	0%	-42																								

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December				January			
										24					25				26				27				28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	
A37290	Completed Storm Drain + Report	6	07-Oct-17	13-Oct-17	07-Oct-17	13-Oct-17	100%	0%	-31																					
A37300	Inform DSD for Inspection of Storm Drain	3	11-Oct-17	13-Oct-17	11-Oct-17	13-Oct-17	100%	0%	-35																					
A37310	DSD Inspection	1	14-Oct-17	14-Oct-17	14-Oct-17	14-Oct-17	100%	0%	-31																					
Adjacent SPS to Center of At Grade Road																														
A29790	Backfill, Extract Sheet Piles and Reinstatement Pavement	6	03-Mar-17	09-Mar-17	03-Mar-17 A	03-Oct-17	100%	83%	-113																					
Center of At Grade Road to MH_2a.1																														
A38025	Agreed with PIW dates for Pipe Laying	0		03-Oct-17		03-Oct-17*	100%	0%	-113																					
A38030	Excavate trial trench for existing underground utilities	2	04-Oct-17	06-Oct-17	04-Oct-17	06-Oct-17	100%	0%	-109																					
A38040	Drive In Sheet Piles	1	07-Oct-17	07-Oct-17	07-Oct-17	07-Oct-17	100%	0%	-107																					
A38050	Excavate to invert level and install struts	2	09-Oct-17	10-Oct-17	09-Oct-17	10-Oct-17	100%	0%	-103																					
A38060	Laydown DN300 between MH6_2a.1 to Center of at Grade Road (Appr	2	11-Oct-17	12-Oct-17	11-Oct-17	12-Oct-17	100%	0%	-102																					
A38070	Pressure Test	1	13-Oct-17	13-Oct-17	13-Oct-17	13-Oct-17	100%	0%	-100																					
A38080	Backfill, Extract Sheet Piles and Reinstatement Pavement	1	14-Oct-17	14-Oct-17	14-Oct-17	14-Oct-17	100%	0%	-95																					
Grd Lvl - External Storm Drainage Connection																														
A37400	Storm drain Excavation Adjacent Main Road GL 5a-10a / Aa	16	03-Oct-17	21-Oct-17	03-Oct-17	21-Oct-17	100%	0%	-104																					
A37410	Construct Storm Water Manholes (SMH-01 & 02)	12	23-Oct-17	06-Nov-17	23-Oct-17	06-Nov-17	100%	0%	-104																					
A37420	Install Storm Drain Pipes & Testing	30	07-Nov-17	11-Dec-17	07-Nov-17	11-Dec-17	100%	0%	-104																					
A37430	Connect to Existing Storm Manholes & Backfill	16	12-Dec-17	02-Jan-18	12-Dec-17	02-Jan-18	100%	0%	-104																					
A37440	Completed Storm Drain + Report	6	03-Jan-18	09-Jan-18	03-Jan-18	09-Jan-18	100%	0%	-104																					
A37450	Inform DSD for Inspection	6	10-Jan-18	16-Jan-18	10-Jan-18	16-Jan-18	100%	0%	-104																					
A37460	DSD Inspection & Acceptance Test	12	17-Jan-18	30-Jan-18	17-Jan-18	30-Jan-18	100%	0%	-104																					
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	03-Oct-17		03-Oct-17*		100%	0%	-113																					
A29810	Complete Master Meter Room Structure B1 Slab, Wall & Column (Refer	0		30-Sep-17		30-Sep-17*	100%	0%	-113																					
A29820	Remove existing hoarding fixed to Sheet pile	6	03-Oct-17	10-Oct-17	03-Oct-17	10-Oct-17	100%	0%	-113																					
A29830	Install a new hoarding with 500mm clearance from roadside	6	11-Oct-17	17-Oct-17	11-Oct-17	17-Oct-17	100%	0%	-113																					
A29840	Excavate Trench in footway to expose PIW watermain & Cut Down Sh	2	18-Oct-17	19-Oct-17	18-Oct-17	19-Oct-17	100%	0%	-113																					
A29850	Lay 2Nos of DN150 DI Fresh Water Pipe & 1 No of DN100 DI Salt Wate	5	20-Oct-17	25-Oct-17	20-Oct-17	25-Oct-17	100%	0%	-113																					
A29860	Pressure test (By PIW Contractor)	6	26-Oct-17	02-Nov-17	26-Oct-17	02-Nov-17	100%	0%	-113																					
A29870	Remove the Blank Flanges & Make Final Connection	2	03-Nov-17	04-Nov-17	03-Nov-17	04-Nov-17	100%	0%	-113																					
A29880	Backfill & Reinstatement to Ground Level	3	06-Nov-17	08-Nov-17	06-Nov-17	08-Nov-17*	100%	0%	-113																					
A29890	Handover to PIW for footway pavement construction (IS Appdx D1, #36	0		08-Nov-17		08-Nov-17*	100%	0%	-113																					
Water Main Works at Portion M17																														
A29900	Open Cut Excavation for DN200 pipe along gridline G/13-14 to F-G/14	10	08-Nov-17	18-Nov-17	08-Nov-17	18-Nov-17	100%	0%	-60																					
A29910	Lay down and install DN200 pipe	10	20-Nov-17	30-Nov-17	20-Nov-17	30-Nov-17	100%	0%	-60																					
A29920	Construct M+ Street Fire Hydrant & FS Pipe at gridline E-F/14	12	01-Dec-17	14-Dec-17	01-Dec-17	14-Dec-17	91.67%	0%	-60																					
A29930	Connect DN200 pipe to Street Fire Hydrant	1	15-Dec-17	15-Dec-17	15-Dec-17	15-Dec-17	0%	0%	-60																					
A29940	Excavate Trench for DN150 pipe along gridline A-F/14	15	16-Dec-17	05-Jan-18	16-Dec-17	05-Jan-18	0%	0%	-60																					
A29950	Lay down and install DN 150 pipe and connect isolation valve (gridline	14	06-Jan-18	22-Jan-18	06-Jan-18	22-Jan-18	0%	0%	-60																					
A29960	Construct End Block and Washout Tee with washout pump pit	10	23-Jan-18	02-Feb-18	23-Jan-18	02-Feb-18	0%	0%	-60																					
A29970	Lay down and install remaining DN150 pipe	6	03-Feb-18	09-Feb-18	03-Feb-18	09-Feb-18	0%	0%	-60																					
A29980	Pressure Test	3	10-Feb-18	13-Feb-18	10-Feb-18	13-Feb-18	0%	0%	-60																					
A29990	Swabbing Test	3	14-Feb-18	20-Feb-18	14-Feb-18	20-Feb-18	0%	0%	-60																					
A30000	Sterilization	6	21-Feb-18	27-Feb-18	21-Feb-18	27-Feb-18	0%	0%	-60																					
A30010	Lab Test	6	28-Feb-18	06-Mar-18	28-Feb-18	06-Mar-18	0%	0%	-60																					

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October					November					December					January								
										24					25					26					27					28								
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08									
A30470	Lay power lead-in (by CLP) & Inspection	60	01-Mar-18	29-Apr-18	01-Mar-18	29-Apr-18	0%	0%	-119																													
LV Power from DCS to M+ Seawater Pump Cells																																						
A30480	Excavate trench & Install Shoring from DCS to M+ Seawater Pump Cells	6	14-Feb-18	23-Feb-18	14-Feb-18	23-Feb-18	0%	0%	-96																													
A30490	Construct Cable Trench & Lay 4Nos of DN150 & 5Nos of DN100 Cable L	12	24-Feb-18	09-Mar-18	24-Feb-18	09-Mar-18	0%	0%	-96																													
A30500	Cable Pulling from DCS to Seawater Pump Cells	6	17-Mar-18	23-Mar-18	17-Mar-18	23-Mar-18	0%	0%	-96																													
A30510	Construct 6 Nos of Drawpit	18	24-Feb-18	16-Mar-18	24-Feb-18	16-Mar-18	0%	0%	-96																													
A30520	Backfill to Existing Ground Level	4	24-Mar-18	28-Mar-18	24-Mar-18	28-Mar-18	0%	0%	-96																													
ICP External Power Cable Trench For CLP Lead In																																						
A30530	Construct 2 Nos of Drawpit at the ICP Entrance	8	03-Oct-17	12-Oct-17	03-Oct-17	12-Oct-17	100%	0%	-65																													
A30540	Install 10x200 Dia. GI Duct In 2 Layers & 1x100Dia Duct with Earthing C	10	13-Oct-17	24-Oct-17	13-Oct-17	24-Oct-17	100%	0%	-65																													
A30545	Lay power Lead-in for ICP & Inspection (by CLP)	45	25-Oct-17	08-Dec-17	25-Oct-17	08-Dec-17	100%	0%	-78																													
A30550	Backfill to Ground Level	3	09-Dec-17	12-Dec-17	09-Dec-17	12-Dec-17	100%	0%	-64																													
Gas																																						
Gas Main at Portion M01																																						
Gas Main RDE connection along Gridline E' - I' / 1'																																						
A30700	Trial Trench for Underground Utilities	10	19-Oct-17	31-Oct-17	19-Oct-17	31-Oct-17	100%	0%	-113																													
A30710	Install support for existing Underground Utilities	6	01-Nov-17	07-Nov-17	01-Nov-17	07-Nov-17	100%	0%	-113																													
A30720	Excavate Trench for Main Gas 100mm and install shoring	8	08-Nov-17	16-Nov-17	08-Nov-17	16-Nov-17	100%	0%	-113																													
A30730	Lay down Main Gas 100mm (by Towngas Specialist Contractor)	14	17-Nov-17	02-Dec-17	17-Nov-17	02-Dec-17	100%	0%	-113																													
A30740	Backfill Trench to Ground Level	4	04-Dec-17	07-Dec-17	04-Dec-17	07-Dec-17	100%	0%	-113																													
A30750	Testing and Inspection	5	08-Dec-17	13-Dec-17	08-Dec-17	13-Dec-17	100%	0%	-113																													
Gas Main M+ along Gridline 2-9/A																																						
A30760	Excavate Trench for Main Gas and install shoring	12	16-Dec-17	02-Jan-18	16-Dec-17	02-Jan-18	100%	0%	-96																													
A30770	Construct and Lay down 350x350mm concrete pipe bench	12	23-Dec-17	09-Jan-18	23-Dec-17	09-Jan-18	100%	0%	-96																													
A30780	Lay down and install DN100 gas main (by Towngas Specialist Contract	28	10-Jan-18	10-Feb-18	10-Jan-18	10-Feb-18	57.14%	0%	-96																													
A30790	Backfill trench at M+ to adjacent level	6	12-Feb-18	21-Feb-18	12-Feb-18	21-Feb-18	0%	0%	-96																													
A30800	Testing and Inspection	4	22-Feb-18	26-Feb-18	22-Feb-18	26-Feb-18	0%	0%	-96																													
Telecom/ICT/FTNS																																						
Telecom @ Gridline C-M/14																																						
A30810	Completion for Construction of Power Cable Trench/Tunnel	0		09-Feb-18		09-Feb-18	0%	0%	-96																													
A30820	Lay 28Nos of DN100 Ducting @ A-C/14 (Approx. 100m)	5	10-Feb-18	15-Feb-18	10-Feb-18	15-Feb-18	0%	0%	-96																													
A30830	Construct 5# 28 DN100 FTNS drawpit @ gridline C-M/14	18	20-Feb-18	12-Mar-18	20-Feb-18	12-Mar-18	0%	0%	-96																													
A30840	Notify Telecom and request installation of cables	0		12-Mar-18		12-Mar-18	0%	0%	-96																													
Telecom @ Gridline A-C/14																																						
A30850	Completion for Construction of Power Cable Trench/Tunnel	0		12-Oct-17		12-Oct-17	100%	0%	-113																													
A30860	Lay 28Nos of DN100 Ducting @ A-C/14 (Approx. 30m)	2	13-Oct-17	14-Oct-17	13-Oct-17	14-Oct-17	100%	0%	-113																													
A30870	Construct 1# 28 DN100 FTNS drawpit @ gridline A-C/14	4	16-Oct-17	19-Oct-17	16-Oct-17	19-Oct-17	100%	0%	-113																													
A30880	Notify Telecom and request installation of cables	0		19-Oct-17		19-Oct-17	100%	0%	-113																													
Telecom @ Gridline M/12-14 (Portion M15)																																						
A30890	Construct ICT & ELV drawpits @ Gridline M/12-14	8	13-Mar-18	21-Mar-18	13-Mar-18	21-Mar-18	0%	0%	-96																													
A30900	Notify Telecom and request installation of cables	0		21-Mar-18		21-Mar-18	0%	0%	-96																													
SPS FTNS Lead In																																						
A32075	Installation of FTNS Cables (by Telecom)	8	03-Oct-17	12-Oct-17	03-Oct-17	12-Oct-17	100%	0%	-95																													
Cable Laying & Testing (By Telco)																																						
A30980	Cable Laying & Testing (By Telco) @ GL A-M/14	12	13-Mar-18	26-Mar-18	13-Mar-18	26-Mar-18	0%	0%	-96																													
A30990	Cable Laying & Testing (By Telco) @ GL M/14-12	2	22-Mar-18	23-Mar-18	22-Mar-18	23-Mar-18	0%	0%	-96																													

Three Months Rolling Programme (3MRP) - Mth 24 - 30 September

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)	September					October				November				December				January			
										24					25				26				27				28			
										28	04	11	18	25	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	
Backfilling and EVA																														
A31040	Completion of ICP Structure	0		07-Oct-17		07-Oct-17	100%	0%	-96	◆ Completion of ICP Structure,																				
Backfilling																														
A31050	Backfilling to +6.50mPD	12	17-Aug-17	30-Aug-17	08-Aug-17 A	13-Oct-17	100%	25%	-89	[Green bar from 08-Aug-17 to 13-Oct-17]																				
A31060	Backfilling to +8.50mPD	18	31-Aug-17	20-Sep-17	10-Aug-17 A	20-Oct-17	100%	20%	-77	[Green bar from 10-Aug-17 to 20-Oct-17]																				
A31070	Backfilling to +10.50mPD	18	21-Oct-17	11-Nov-17	21-Oct-17	11-Nov-17	100%	0%	-77	[Green bar from 21-Oct-17 to 11-Nov-17]																				
A31080	Backfilling to +12.70mPD	18	13-Nov-17	02-Dec-17	13-Nov-17	02-Dec-17	100%	0%	-77	[Green bar from 13-Nov-17 to 02-Dec-17]																				
Construction of EVA																														
A31100	Construct EVA (+8.50mPD)	8	29-Mar-18	11-Apr-18	29-Mar-18	11-Apr-18	0%	0%	-96	[Yellow bar from 29-Mar-18 to 11-Apr-18]																				
A31110	Construct EVA (+10.50mPD)	10	12-Apr-18	23-Apr-18	12-Apr-18	23-Apr-18	0%	0%	-96	[Yellow bar from 12-Apr-18 to 23-Apr-18]																				
A31120	Construct EVA (+12.70mPD)	12	24-Apr-18	08-May-18	24-Apr-18	08-May-18	0%	0%	-96	[Yellow bar from 24-Apr-18 to 08-May-18]																				
Fuel Tank																														
A31220	Remove Hoarding fixed to sheetpile at Portion M04	5	11-Sep-17	16-Sep-17	14-Aug-17 A	23-Sep-17 A	100%	100%	-62	[Blue bar from 14-Aug-17 to 23-Sep-17]																				
A31230	Install Hoarding on road-side edge of footway (500mm clearance from	12	11-Sep-17	23-Sep-17	11-Sep-17 A	23-Sep-17 A	100%	100%	-50	[Blue bar from 11-Sep-17 to 23-Sep-17]																				
A31240	Cut down sheet pile to underside of footway pavement	18	25-Sep-17	17-Oct-17	11-Sep-17 A	23-Sep-17 A	100%	100%	-32	[Blue bar from 11-Sep-17 to 23-Sep-17]																				
A31250	Excavate to Base Slab & Wall of Fuel Tank	12	03-Oct-17	17-Oct-17	03-Oct-17	17-Oct-17	100%	0%	-38	[Green bar from 03-Oct-17 to 17-Oct-17]																				
A31260	Construct Bottom Level of Fuel Oil Storage Tank	12	18-Oct-17	01-Nov-17	18-Oct-17	01-Nov-17	100%	0%	-38	[Green bar from 18-Oct-17 to 01-Nov-17]																				
A31270	Mechanical Fitting	18	02-Nov-17	22-Nov-17	02-Nov-17	22-Nov-17	77.78%	0%	-38	[Green bar from 02-Nov-17 to 22-Nov-17]																				
A31280	Construct Top Level of Fuel Oil Storage Tank	14	30-Nov-17	15-Dec-17	30-Nov-17	15-Dec-17	0%	0%	-38	[Green bar from 30-Nov-17 to 15-Dec-17]																				
A31290	Backfill	12	16-Dec-17	02-Jan-18	16-Dec-17	02-Jan-18	0%	0%	-38	[Green bar from 16-Dec-17 to 02-Jan-18]																				
A38020	T&C of Fuel Oil Storage Tank	6	23-Nov-17	29-Nov-17	23-Nov-17	29-Nov-17	0%	0%	-38	[Yellow bar from 23-Nov-17 to 29-Nov-17]																				
M+ Statutory Inspection, OP & PC																														
EPD Genset																														
A55520	Submit fuel oil tank for D.G. License application	0	30-Nov-17		30-Nov-17		0%	0%	-46	◆ Submit fuel oil tank for D.G. License																				
Drainage																														
A55590	Submit Final Amendment Drainage Plans to BD	14	03-Feb-18	16-Feb-18	03-Feb-18	16-Feb-18	0%	0%	-83	[Yellow bar from 03-Feb-18 to 16-Feb-18]																				
A55600	Technical Audit Application HBP1 to DSD	14	17-Feb-18	02-Mar-18	17-Feb-18	02-Mar-18	0%	0%	-83	[Yellow bar from 17-Feb-18 to 02-Mar-18]																				
A55610	Last Manhole Connection	20	03-Mar-18	22-Mar-18	03-Mar-18	22-Mar-18	0%	0%	-83	[Yellow bar from 03-Mar-18 to 22-Mar-18]																				
Contractor's Summary Works Programme																														

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																																	
Supplementary 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		30-Sep-17*		0%	-68	-70																								
DCS.0080	Completion of Cofferdam A Including Submission of Pumping Test Report	0		06-Oct-18		25-Oct-18*	0%	-19	-19												◆												
DCS.0090	Completion of Cofferdam B Including Submission of Pumping Test Report	0		08-Jul-18		18-May-18*	0%	51	51												◆												
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		13-Mar-18*	0%	-13	-13												◆												
DCS.0190	Vacate and Handover Working Area within M+ Boundary	0		10-Feb-18		03-Mar-18*	0%	-15	-15												◆												
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	30-Oct-17	59%	-25	-17																								
DCS.0640	Installation of Cofferdam A Stage 1 CPP and Grout Curtain; Side Walls	80	23-Sep-17	30-Dec-17	13-Oct-17	17-Jan-18	0%	-14	-17																								
DCS.0650	Installation of Cofferdam A Stage 2 CPP and Grout Curtain; Western Portion of ESS	63	06-Dec-17	23-Feb-18	23-Dec-17	13-Mar-18	0%	-15	-17																								
DCS.0660	Installation of Cofferdam A Stage 3 CPP and Grout Curtain; Eastern Portion of ESS	126	20-Feb-18	25-Jul-18	10-Mar-18	11-Aug-18	0%	-15	-17																								
DCS.0680	Submission of BA14 for Completion of Cofferdam A CPP and BD Acknowledgement	54	26-Jul-18	17-Sep-18	12-Aug-18	03-Oct-18	0%	-16	-19																								
DCS.0690	Pumping Test at Cofferdam A and Submission of Report to BD	19	18-Sep-18	06-Oct-18	05-Oct-18	25-Oct-18	0%	-19	-19																								
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	18-Jan-18	07-Mar-18	0%	-14	-15																								
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	11-Dec-17	2%	15	40																								
DCS.0850	Installation of Temporary Decking over Outfall Pipes for Stage 2 Clutch Pipe Pile	10	20-Feb-18	02-Mar-18	31-Jan-18	10-Feb-18	0%	14	40																								
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	06-Mar-18	6%	39	40																								
DCS.0880	Submission of BA14 for Completion of Cofferdam B CPP and BD Acknowledgement	55	26-Apr-18	19-Jun-18	06-Mar-18	29-Apr-18	0%	51	51																								
DCS.0890	Pumping Test at Cofferdam B and Submission of Report to BD	19	20-Jun-18	08-Jul-18	30-Apr-18	18-May-18	0%	51	51																								
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	13-Dec-17	30-Jan-18	0%	14	40																								
DCS.0930	Allow L1 Contractor to Access to Portion M4 1C for Diversion of 11 kV CLP Cables	39	02-Jan-18	15-Feb-18	13-Dec-17	30-Jan-18	0%	14	40																								
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	03-Oct-17	90%	-14	-3																								
DCS.1160	Submission of Design Amendment of Cofferdam A to BD by PMC	2	16-Sep-17	18-Sep-17	04-Oct-17	06-Oct-17	0%	-14	-3																								
DCS.1170	Obtaining BD Approval for Cofferdam A Design Amendment	30	19-Sep-17	18-Oct-17	07-Oct-17	05-Nov-17	0%	-18	-5																								
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																									

■ 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.
29-Sep-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.
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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

SEPTEMBER 2017

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

OCTOBER 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	4	5	6	7
8	9 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	10	11	12	13 AM1, AM2A - 24hrTSP, 1hr TSP x3	14
15	16	17	18	19 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	20	21
22	23	24	25 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	26	27	28
29	30	31 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring				
		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 : 12/08/2017

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) : 1007
 Ta(K) : 304

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1 18 holes	10.2	3.153	1.530	58	57.25
2 13 holes	8.4	2.861	1.390	52	51.33
3 10 holes	6.2	2.458	1.197	44	43.43
4 7 holes	4.4	2.071	1.011	36	35.54
5 5 holes	2.6	1.592	0.781	22	21.72

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): 46.559 Intercept(b): -13.169 Correlation Coefficient(r): 0.9959

Checked by: 
 Magnum Fan

Date: 16/08/2017

High-Volume TSP Sampler
5-Point Calibration Record

Location : AM2A (Harbourside)
 Calibrated by : K.T.Ho
 Date : 12/08/2017

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) : 1007
 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	3.448	1.672	59	58.24
2 13 holes	9.2	2.994	1.454	52	51.33
3 10 holes	7.2	2.649	1.288	44	43.43
4 7 holes	4.6	2.117	1.033	34	33.56
5 5 holes	2.6	1.592	0.781	24	23.69

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): 39.424 Intercept(b): -7.058 Correlation Coefficient(r): 0.9990

Checked by: 
 Magnum Fan

Date: 16/08/2017



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 %				
		2053 CPM	1979 CPM	-3.6 %				
		978 CPM	957 CPM	-2.1 %				
		516 CPM	507 CPM	-1.7 %				
Dust Concentration Measuring	Count is $\pm 10\%$ accurate to the master under the 3 different concentration.	OK						
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.)	OK						
Synthetic Judgment		Good						
		Reference Value(S)		787 CPM				
		Test atmosphere		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Temperature</td> <td style="width: 50%;">Humidity</td> </tr> <tr> <td style="text-align: center;">23 °C</td> <td style="text-align: center;">45 %</td> </tr> </table>	Temperature	Humidity	23 °C	45 %
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

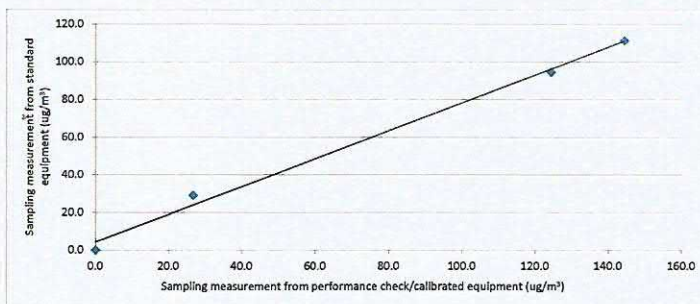
EQUIPMENT PERFORMANCE CHECK / CALIBRATION RESULTS:

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 %	
		516 CPM	515 CPM	-0.2 %	
		OK			
		Good			

Synthetic Judgment


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

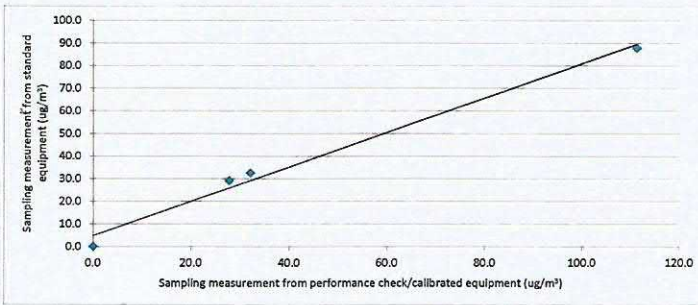
EQUIPMENT PERFORMANCE CHECK / CALIBRATION RESULTS:

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

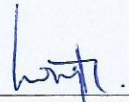
DATE OF TEST / 測試日期 : 22 July 2017

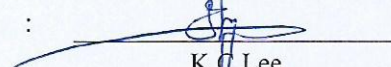
TEST RESULTS / 測試結果

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.

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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.

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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

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.

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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.

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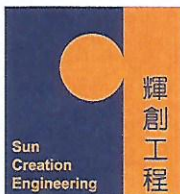
Sun Creation Engineering Limited - Calibration & Testing Laboratory

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

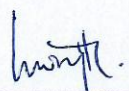
TEST RESULTS / 測試結果

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

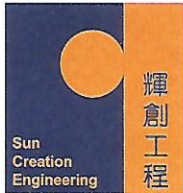
Certified By
核證


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.

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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.

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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

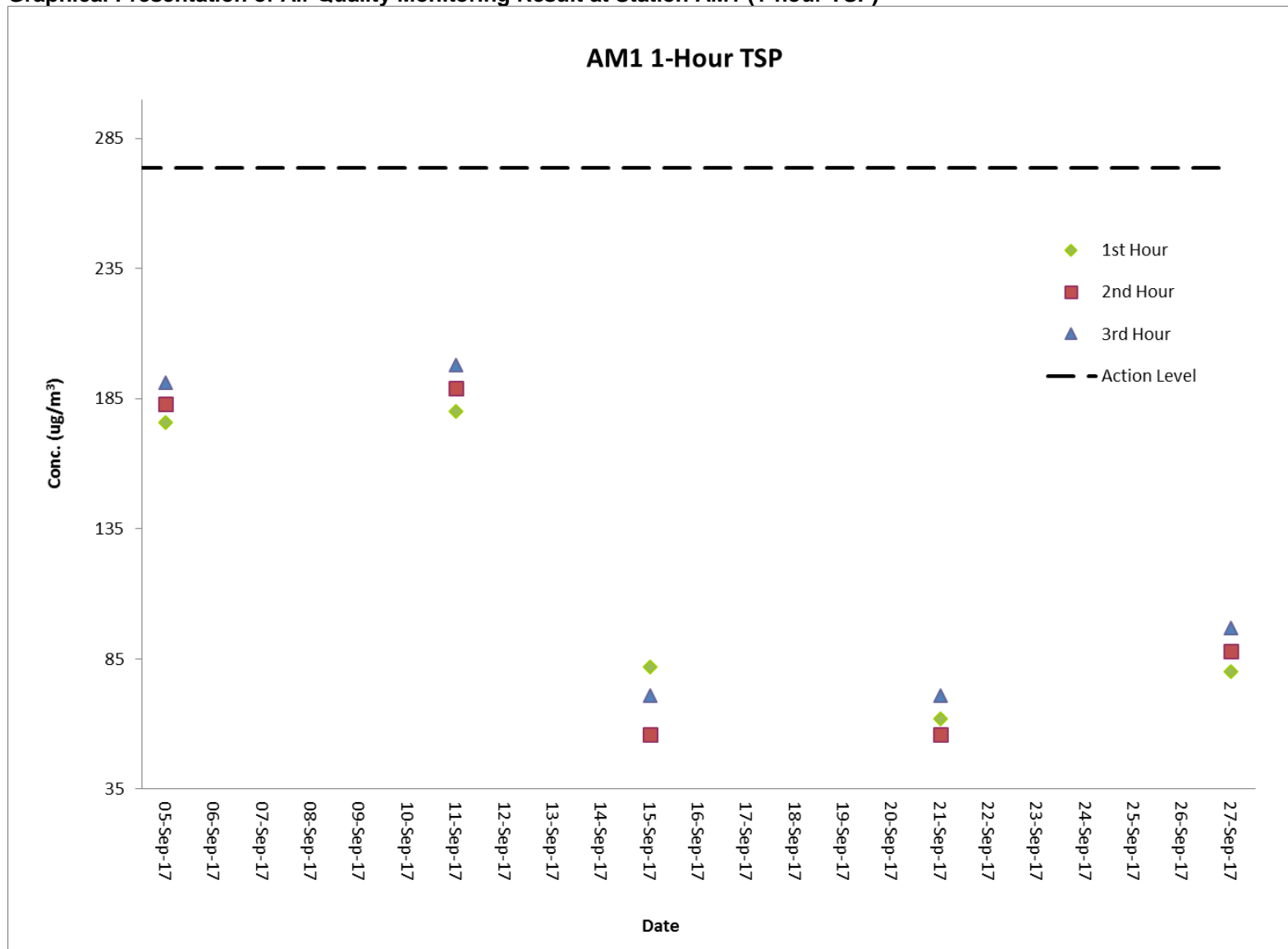
Website/網址: www.suncreation.com

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 ($\mu\text{g}/\text{m}^3$)
			1 st Hour	2 nd Hour	3 rd Hour		
05-Sep-17	Fine	10:40 - 16:00	176	183	191	273.7	500
11-Sep-17	Sunny	10:40 - 16:00	180	189	198	273.7	500
15-Sep-17	Fine	8:00 - 11:00	82	56	71	273.7	500
21-Sep-17	Fine	10:48 - 16:00	62	56	71	273.7	500
27-Sep-17	Sunny	10:40 - 16:00	80	88	97	273.7	500

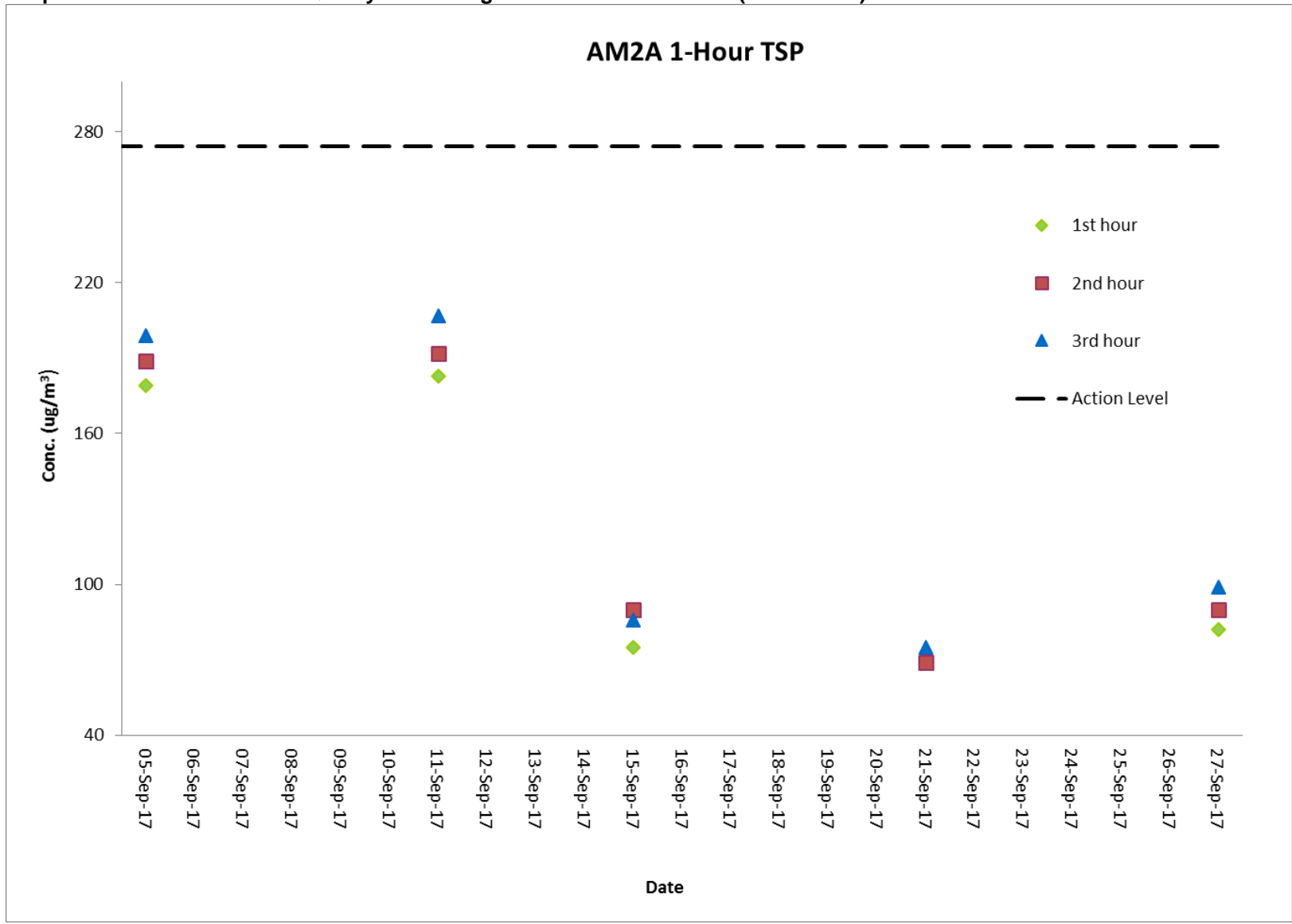
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (1-hour TSP)



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

Date	Weather Condition	Time	Conc. ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1 st Hour	2 nd Hour	3 rd Hour		
05-Sep-17	Fine	10:55 - 16:10	179	189	199	274.2	500
11-Sep-17	Sunny	10:57 - 16:10	183	192	207	274.2	500
15-Sep-17	Fine	8:12 - 11:12	75	90	86	274.2	500
21-Sep-17	Fine	11:02 - 16:10	71	69	75	274.2	500
27-Sep-17	Sunny	10:55 - 16:10	82	90	99	274.2	500

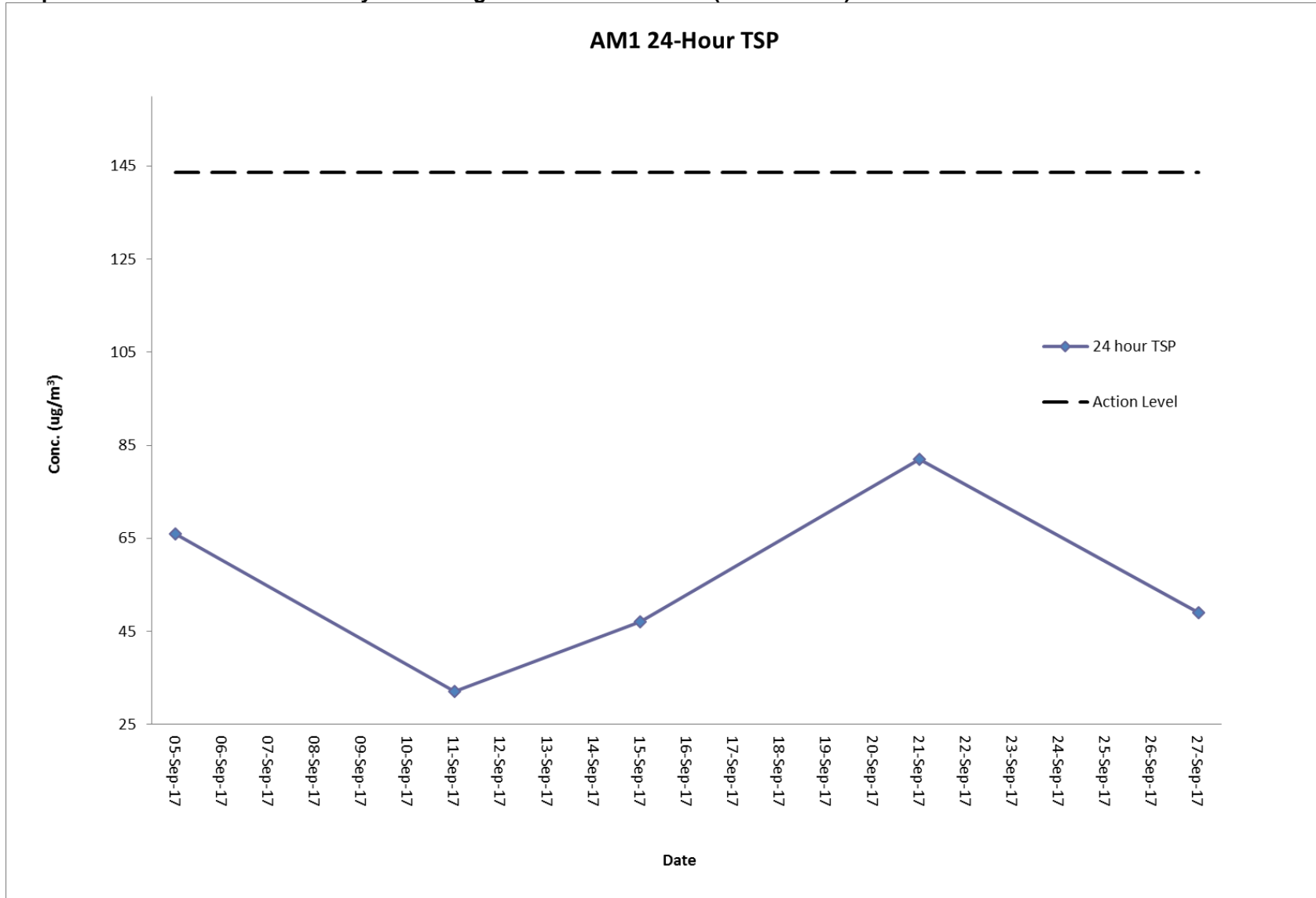
Graphical Presentation of Air Quality Monitoring Result at Station AM2A (1-hour TSP)



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				
05-Sep-17	10:42	06-Sep-17	10:42	2.6436	2.76	21528.38	21552.38	24	1.23	1.23	1.23	66	Fine	143.6	260
11-Sep-17	10:42	12-Sep-17	10:42	2.6236	2.6809	21552.38	21576.38	24	1.23	1.23	1.23	32	Sunny	143.6	260
15-Sep-17	08:02	16-Sep-17	08:02	2.6218	2.7046	21576.38	21600.38	24	1.23	1.23	1.23	47	Fine	143.6	260
21-Sep-17	10:50	22-Sep-17	10:50	2.6554	2.8009	21600.38	21624.38	24	1.23	1.23	1.23	82	Fine	143.6	260
27-Sep-17	10:42	28-Sep-17	10:42	2.6141	2.7009	21624.38	21648.38	24	1.23	1.23	1.23	49	Sunny	143.6	260

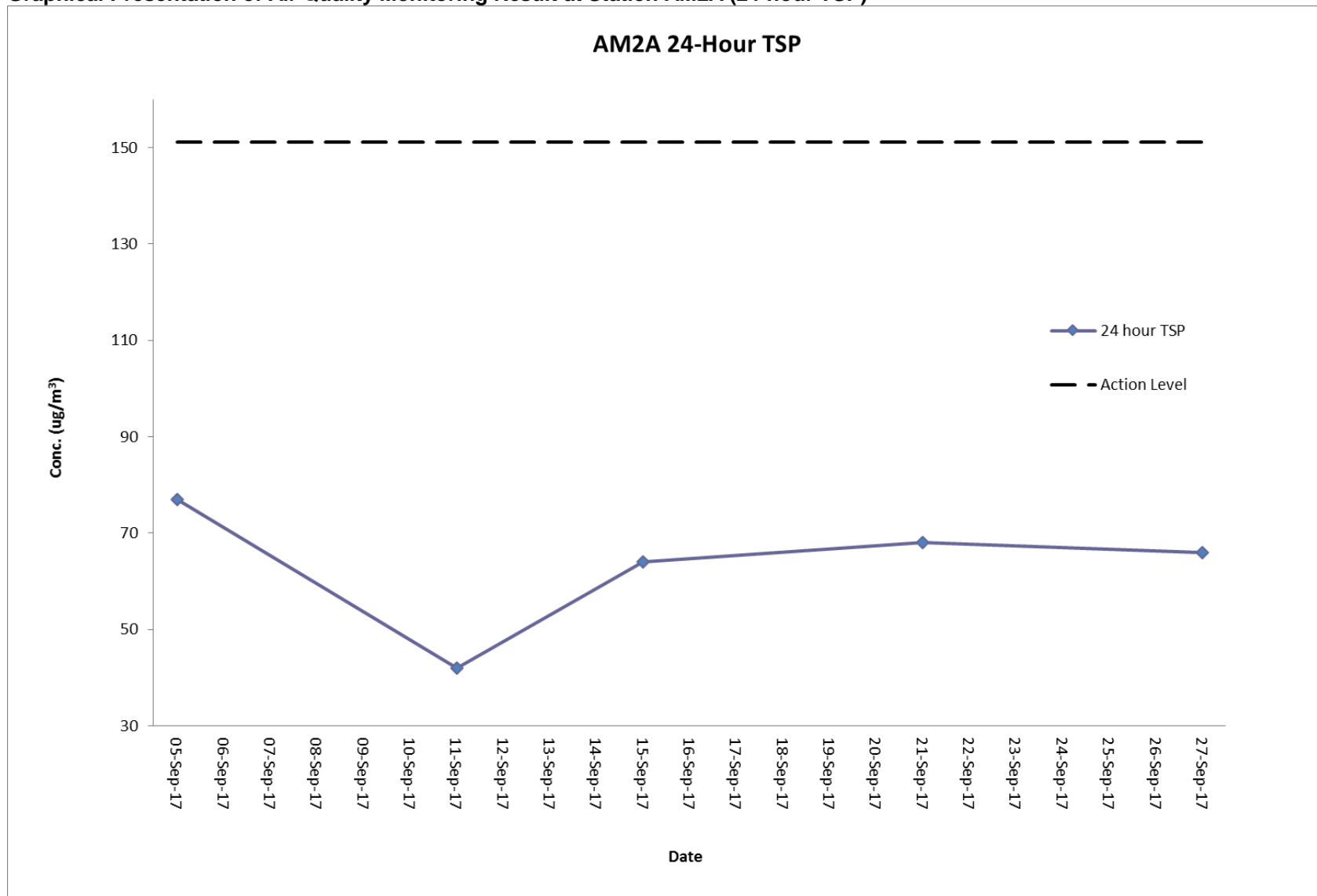
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)



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

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m ³ /min)			Conc. (µg/m ³)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
05-Sep-17	10:52	06-Sep-17	10:52	2.6118	2.7501	17183.59	17207.59	24	1.24	1.24	1.24	77	Fine	151.1	260
11-Sep-17	10:52	12-Sep-17	10:52	2.6230	2.6987	17207.59	17231.59	24	1.24	1.24	1.24	42	Sunny	151.1	260
15-Sep-17	08:14	16-Sep-17	08:14	2.6251	2.7400	17231.59	17255.59	24	1.24	1.24	1.24	64	Fine	151.1	260
21-Sep-17	11:00	22-Sep-17	11:00	2.6503	2.7711	17255.59	17279.59	24	1.24	1.24	1.24	68	Fine	151.1	260
27-Sep-17	10:52	28-Sep-17	10:52	2.6318	2.7494	17279.59	17303.59	24	1.24	1.24	1.24	66	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 L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq} (30 min.) dB(A)
05-Sep-17	14:00	68.0	64.1	69
05-Sep-17	14:05	67.7	63.7	
05-Sep-17	14:10	66.7	62.1	
05-Sep-17	14:15	67.8	63.2	
05-Sep-17	14:20	68.0	62.7	
05-Sep-17	14:25	69.1	63.9	
11-Sep-17	14:00	68.0	63.8	69
11-Sep-17	14:05	67.7	63.2	
11-Sep-17	14:10	68.5	63.7	
11-Sep-17	14:15	68.0	62.9	
11-Sep-17	14:20	68.9	63.8	
11-Sep-17	14:25	68.7	63.5	
21-Sep-17	14:00	68.2	63.1	69
21-Sep-17	14:05	68.7	64.1	
21-Sep-17	14:10	67.1	62.7	
21-Sep-17	14:15	68.4	63.2	
21-Sep-17	14:20	69.0	64.1	
21-Sep-17	14:25	68.7	63.8	
27-Sep-17	14:00	67.9	63.1	69
27-Sep-17	14:05	68.0	63.4	
27-Sep-17	14:10	68.8	63.9	
27-Sep-17	14:15	67.7	63.5	
27-Sep-17	14:20	67.9	63.7	
27-Sep-17	14:25	68.0	63.9	

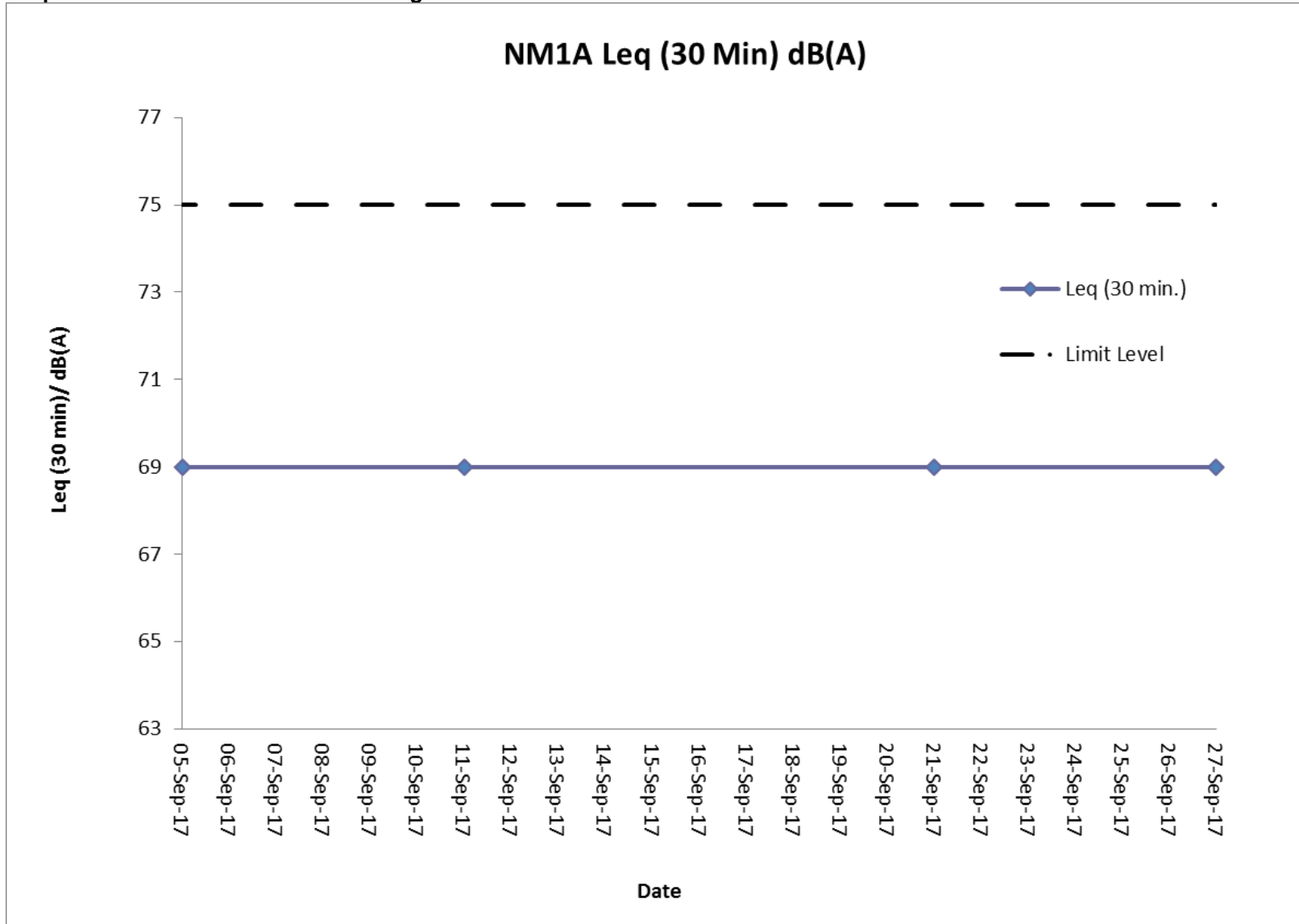
Remarks:

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



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

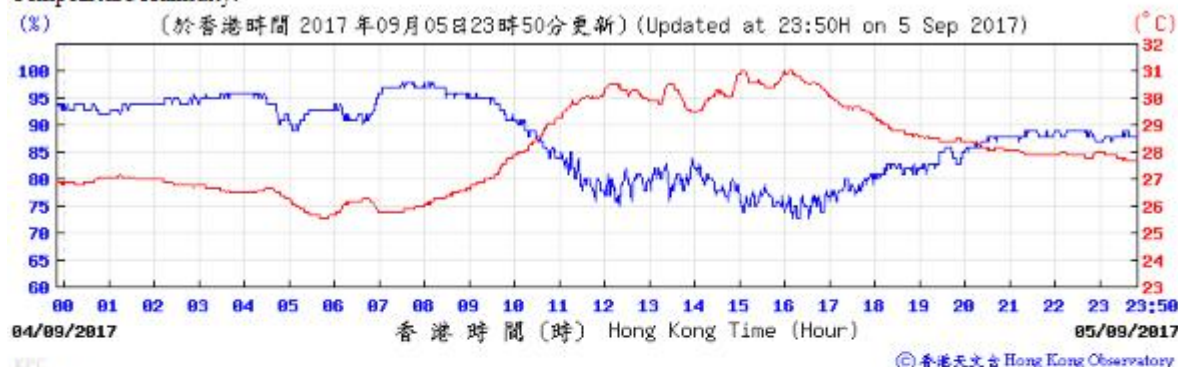
Graphical Presentation Noise Monitoring Result at Station NM1A



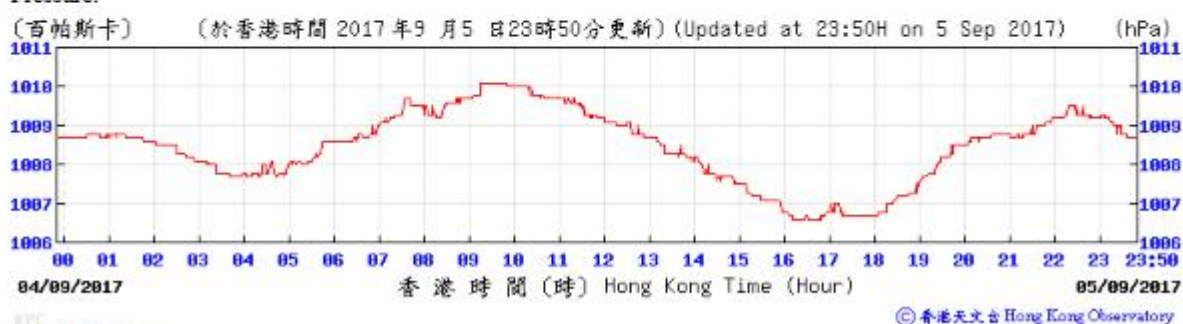
H. Meteorological Data Extracted from Hong Kong Observatory

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

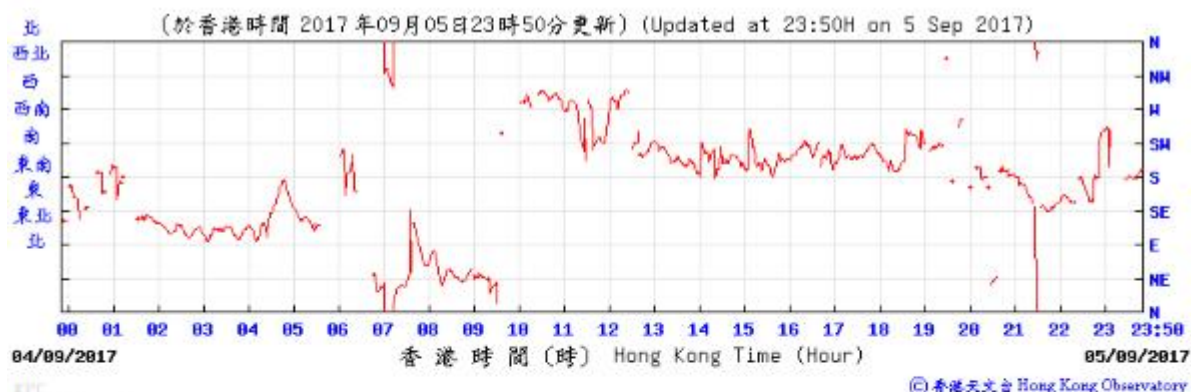
Temperature/Humidity:



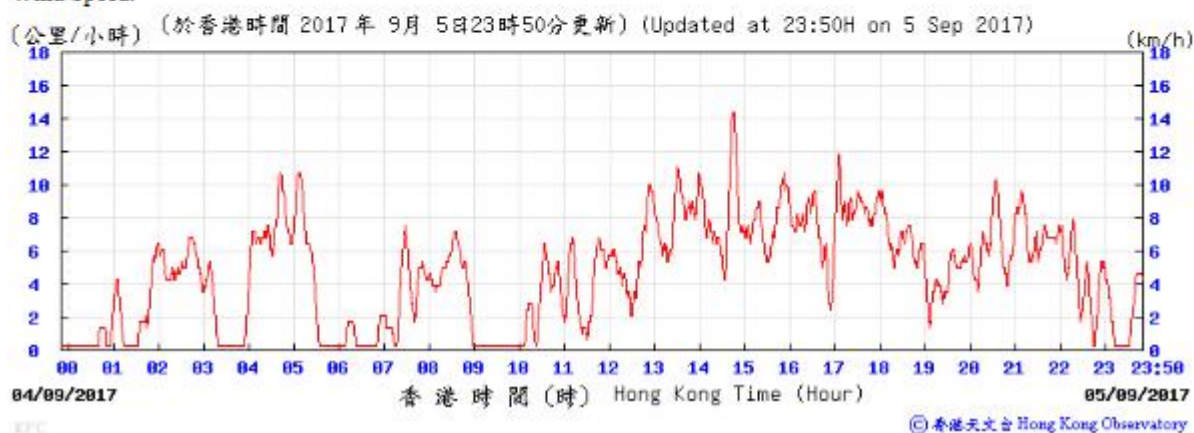
Pressure:



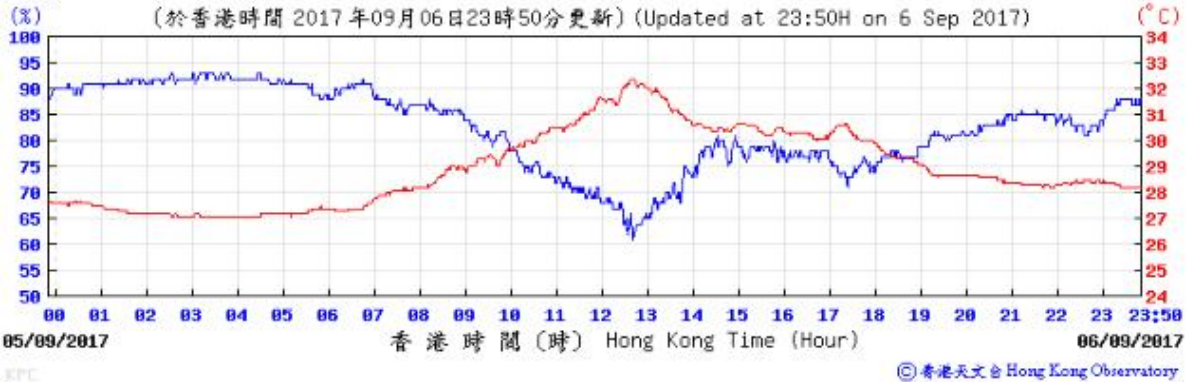
Wind Direction:



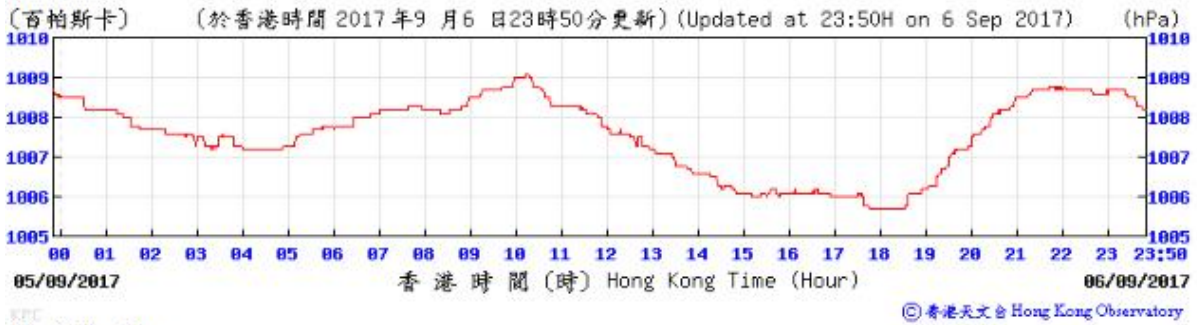
Wind Speed:



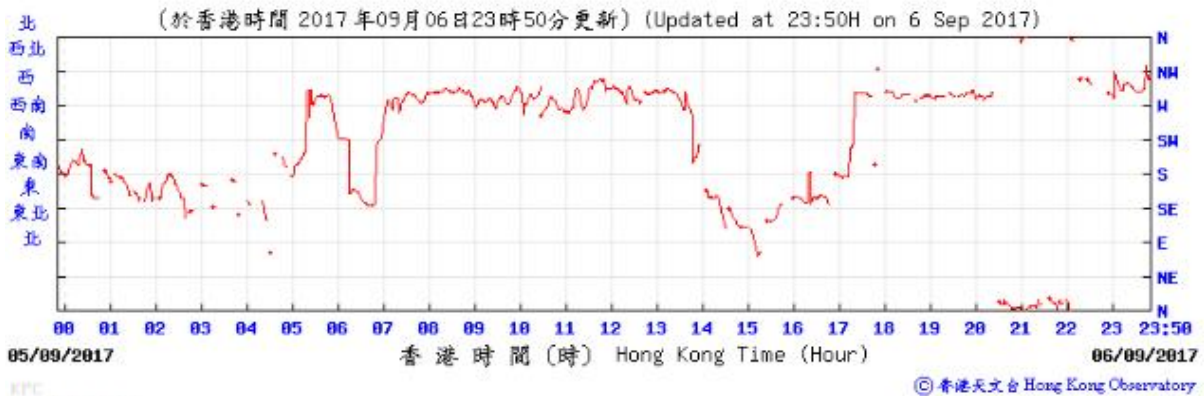
Temperature/Humidity:



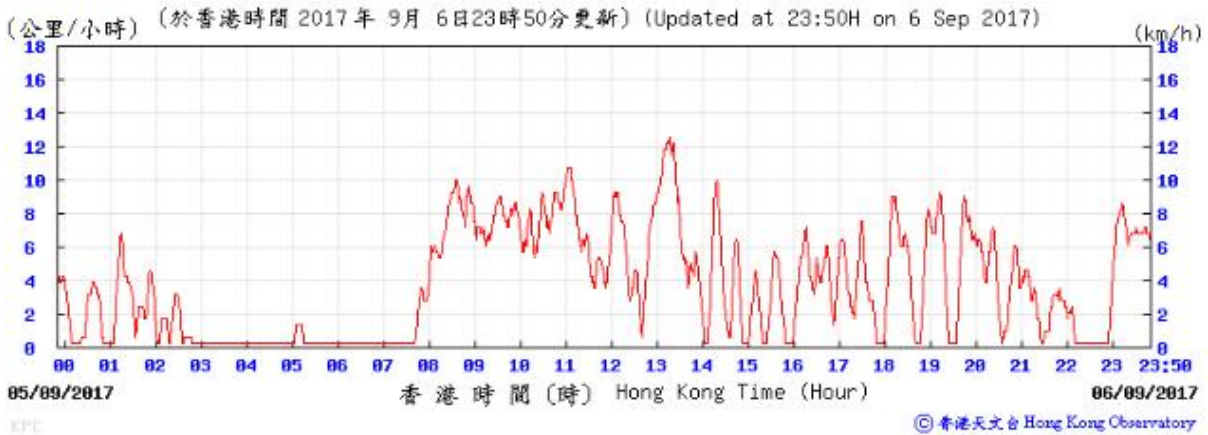
Pressure:



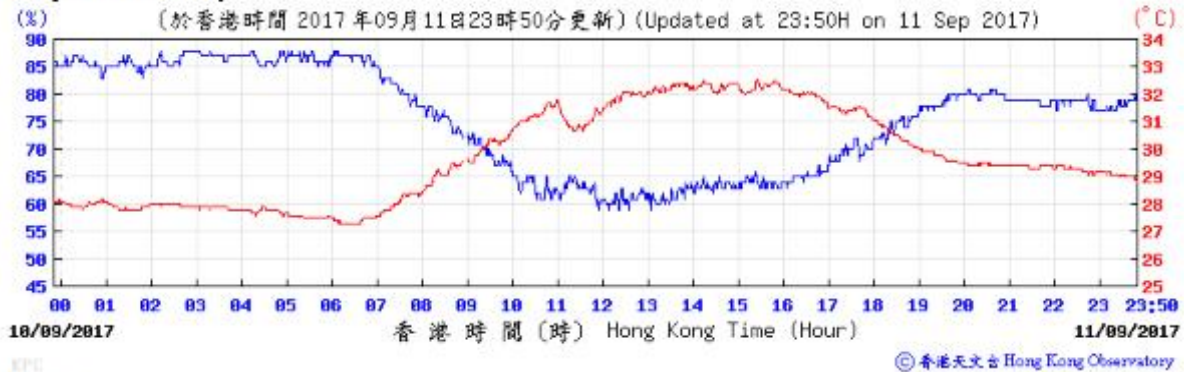
Wind Direction:



Wind Speed:



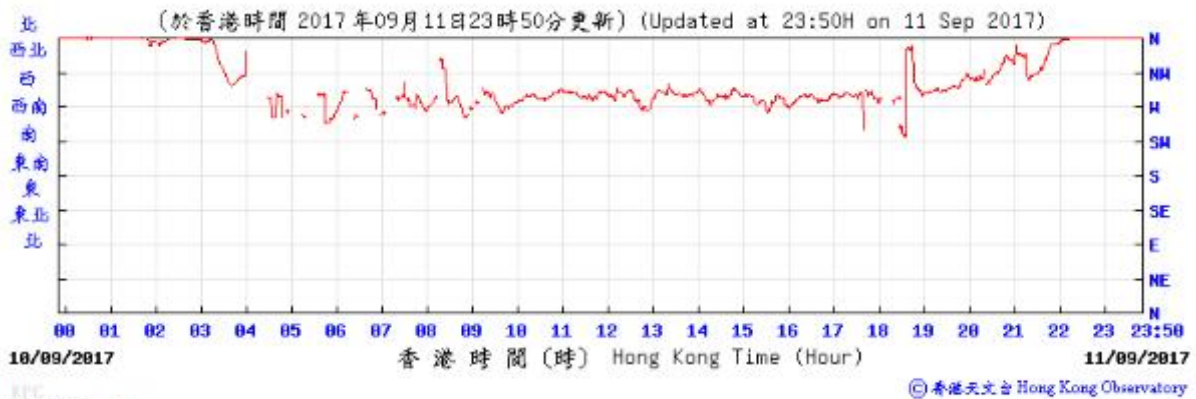
Temperature/Humidity:



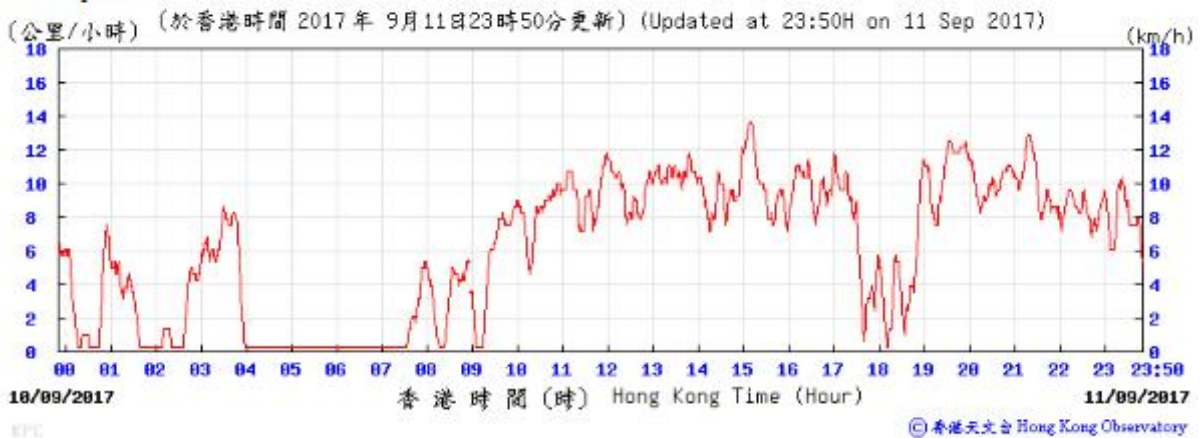
Pressure:



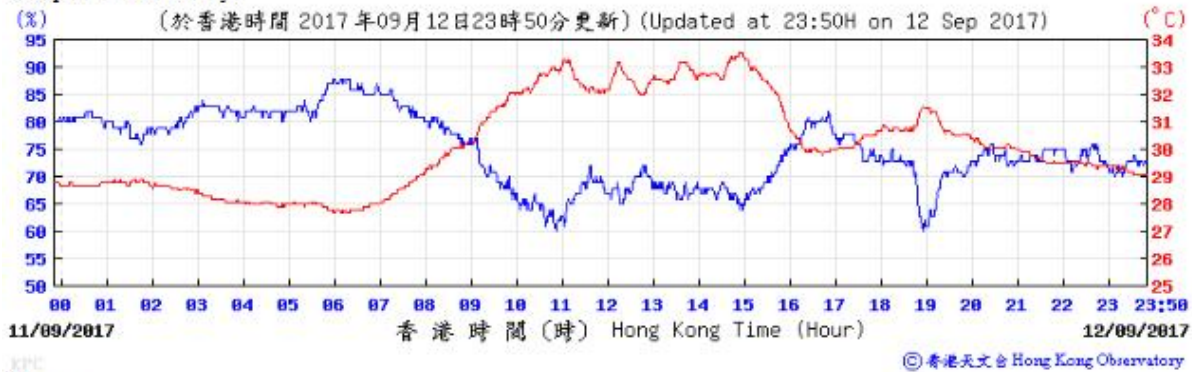
Wind Direction:



Wind Speed:



Temperature/Humidity:



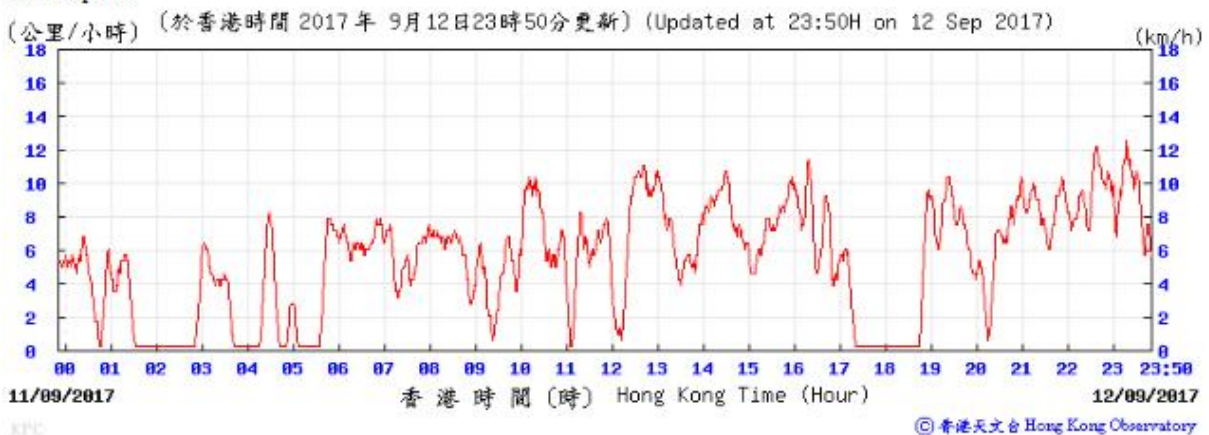
Pressure:



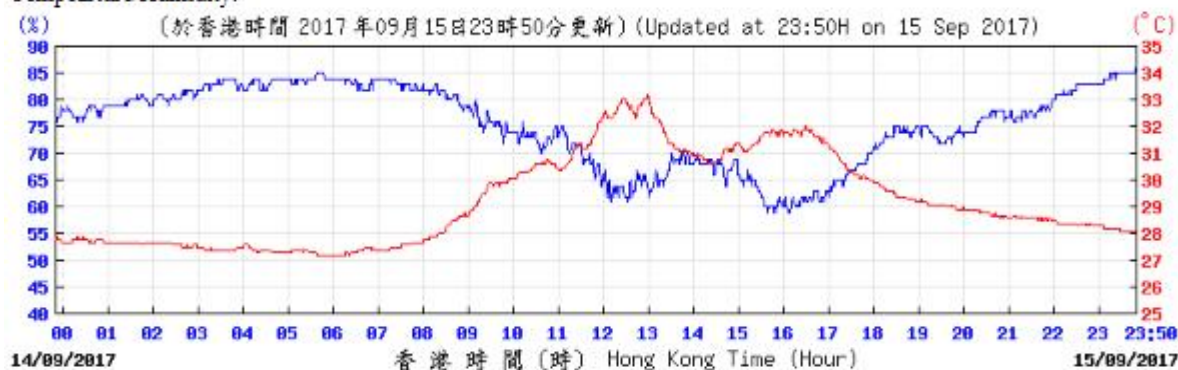
Wind Direction:



Wind Speed:



Temperature/Humidity:



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Pressure:



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Wind Direction:



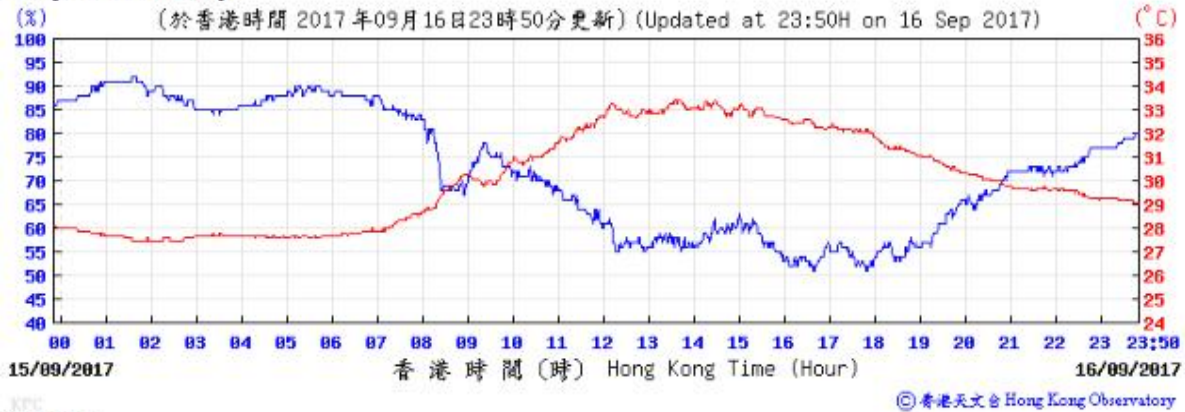
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Wind Speed:



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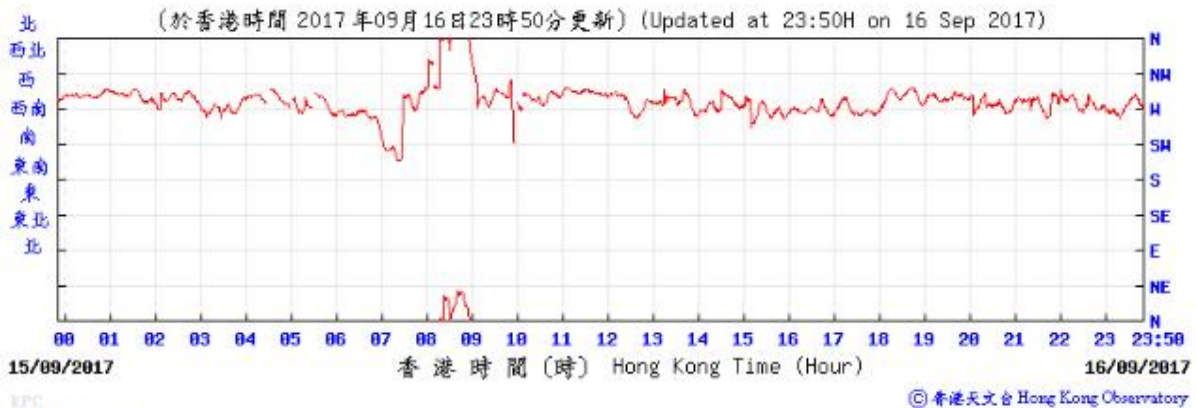
Temperature/Humidity:



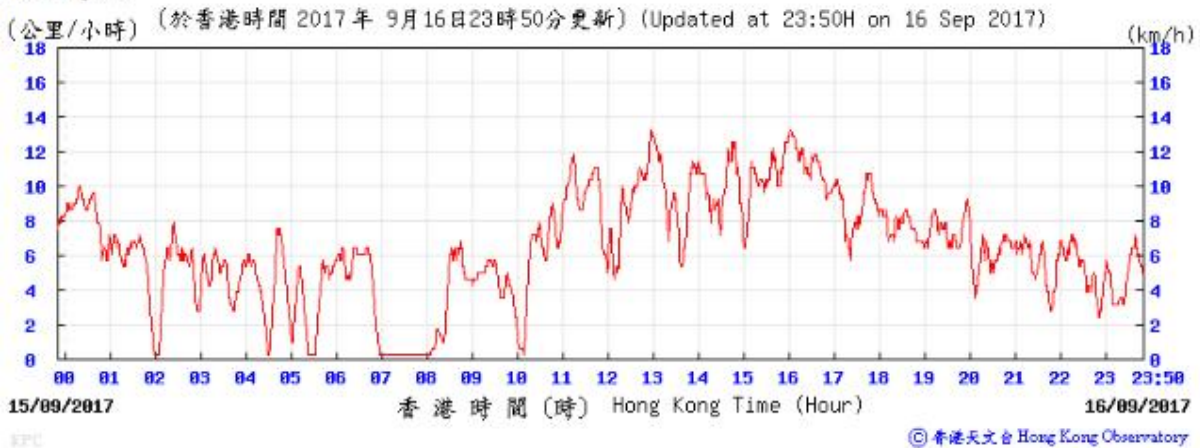
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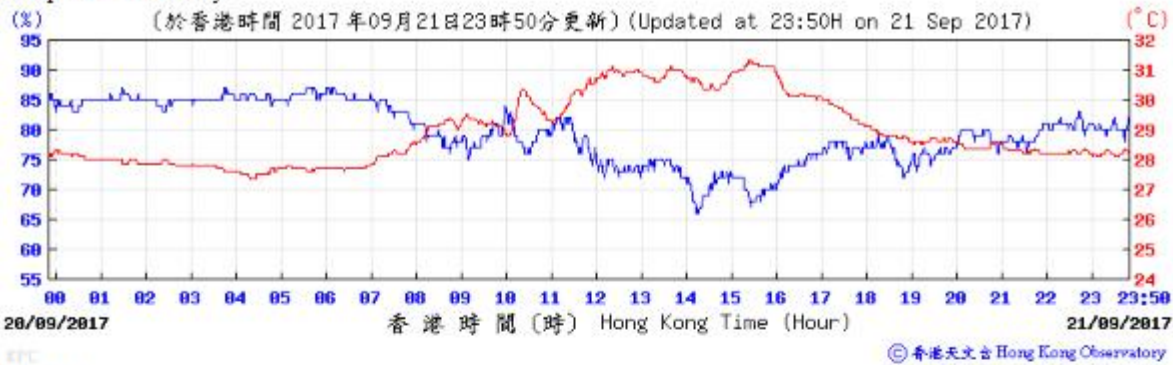
Wind Direction:



Wind Speed:



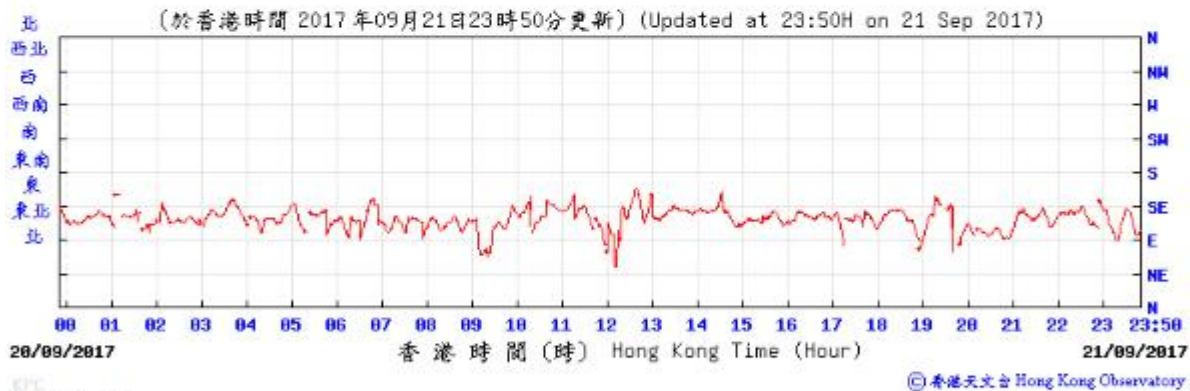
Temperature/Humidity:



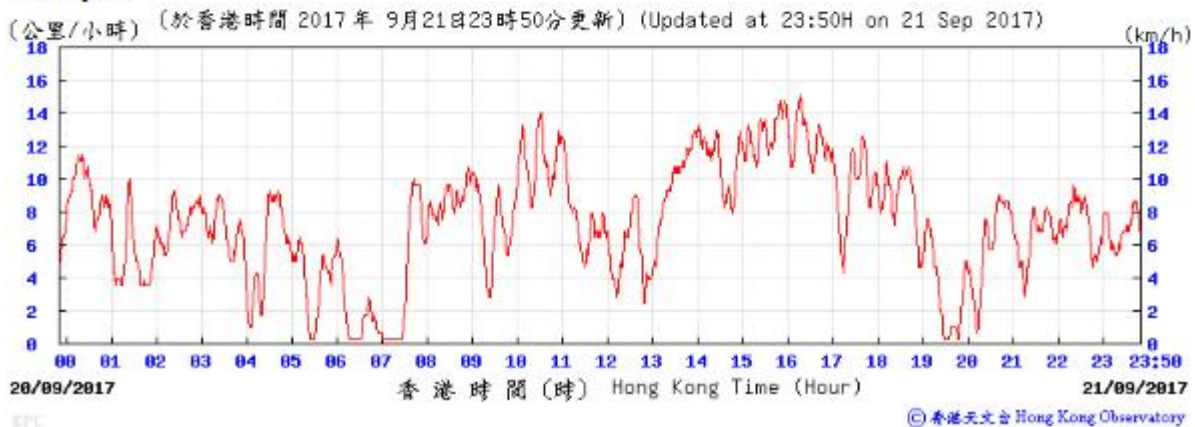
Pressure:



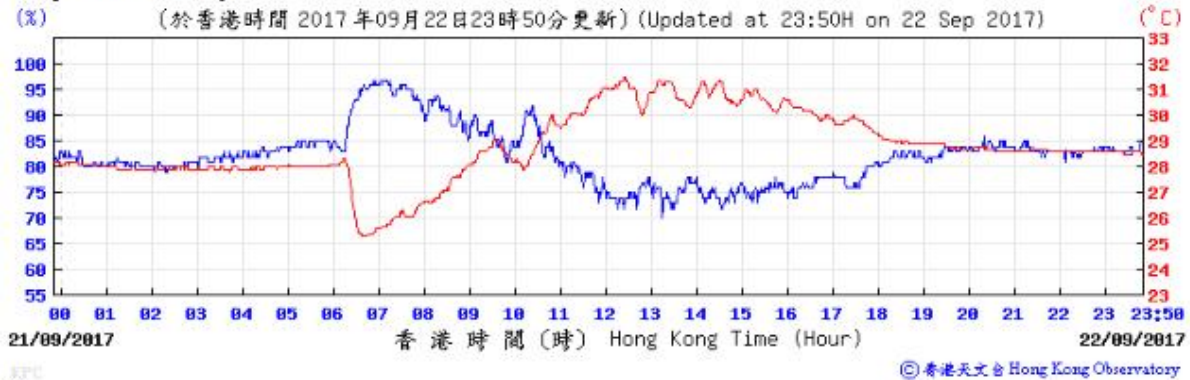
Wind Direction:



Wind Speed:



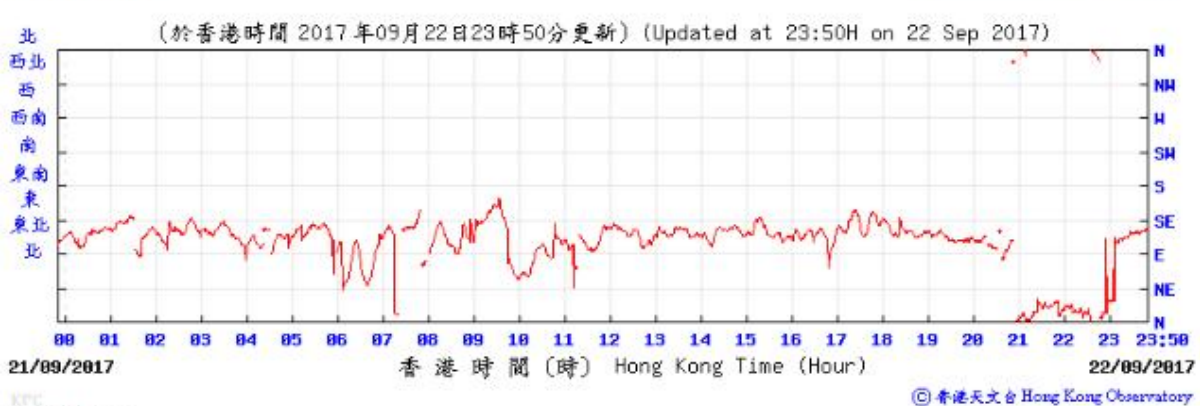
Temperature/Humidity:



Pressure:



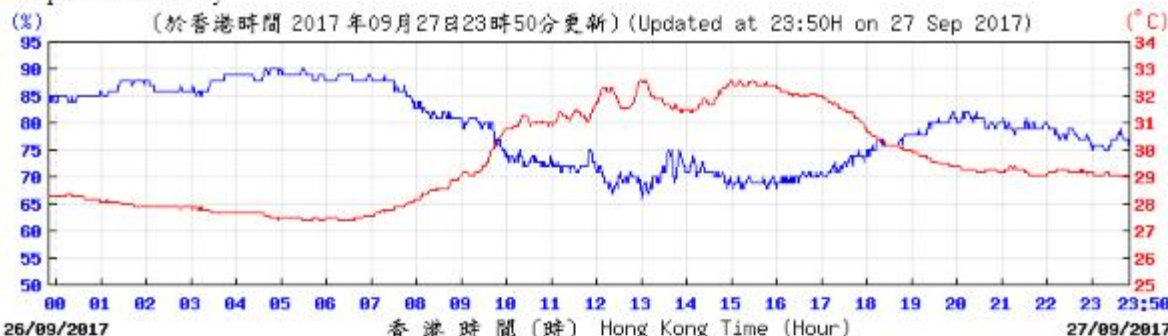
Wind Direction:



Wind Speed:



Temperature/Humidity:



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Pressure:



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Wind Direction:



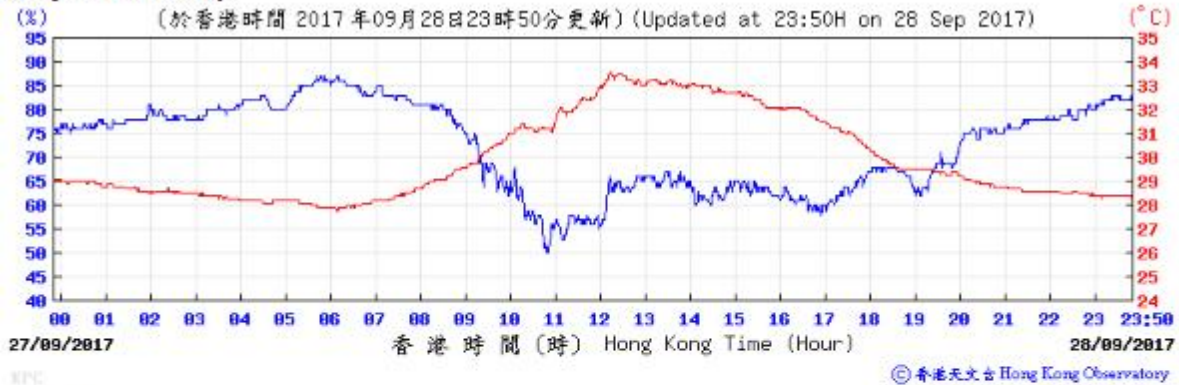
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Wind Speed:



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Temperature/Humidity:



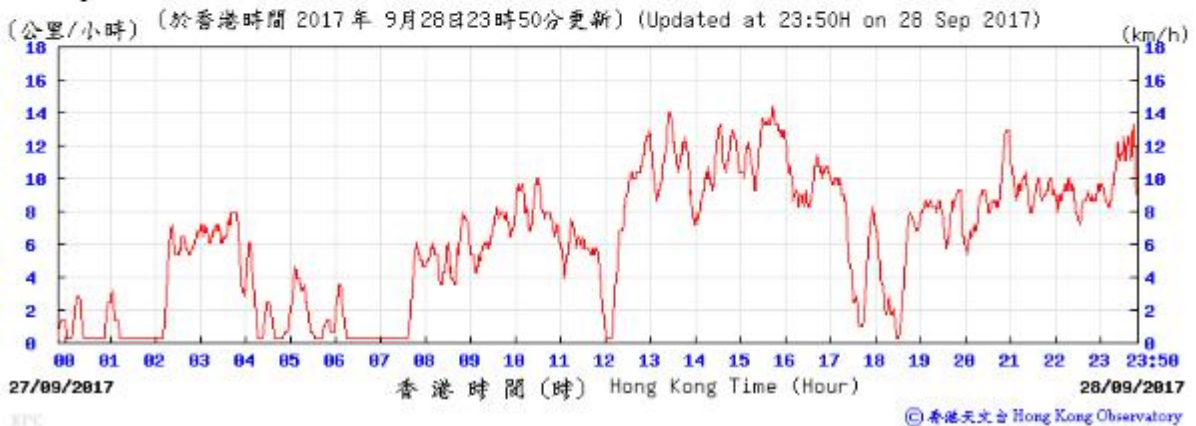
Pressure:



Wind Direction:



Wind Speed:



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	0.8	0.0	183.0	0.0	164.2
Aug	1231.5	0.0	0.0	0.0	867.5	364.0	0.0	50.9	1.2	0.0	263.0	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	350.0	0.0	210.9
Sub-total (2017)	10545.2	0.0	0.0	3168.0	5699.4	1677.8	0.0	758.4	6.8	0.0	1853.0	0.0	1211.7
Total	220939.1	0.0	25232.0	140485.4	53377.6	1844.1	0.0	1675.8	9.1	0.0	2253.1	1.2	2207.1

Note:

-11.01 ton, 653.81 ton and 677.18 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.

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
Sub-total (2017)	44982.6	0.0	0.0	3755.0	41222.3	5.3	0.0	187.1	0.4	0.0	0.0	2.7	80.8
Total	156121.4	0.0	0.0	3755.0	152361.1	5.3	0.0	521.5	0.9	1.5	0.0	10.3	272.4

Note:

-752.7 and 221.99 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
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/ Rem	✓
		✓	✓
		✓	✓
		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	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	Rem
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 	Obs	✓
		✓	✓
		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. 	Obs	✓
	<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. 	✓	✓
		Obs	✓
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