



Development at West Kowloon Cultural District

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

April 2017

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Date

13 Apr 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 (WKDA). 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 March to 31 March 2017.

Exceedance of Action and Limit Levels

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

Implementation of Mitigation Measures

Construction phase weekly site inspections were carried out on 2, 9, 16, 23 and 30 March 2017 for M+ Museum and 1, 8, 15, 22 and 29 March 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.

EPD site inspection with Contractor was conducted on 9 March at M+ Museum. No malpractice was observed.

Record of Complaints

No environmental complaint was 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 1/F, 1M/F, G/F, LG/F, B1 and B2 slab;

- Construction of column from B2 to B1, B1 to LGF, LGF to GF, GF to 1/F and 1/F to 1M/F;
- Pile cap and sump pit construction at B2 and ICP
- Installation of mega struss
- Construction of B1 Beam and slab at ICP
- Sheet Pile Installation for seawater outfall pipe between Ch0+66 to Ch0+108
- Storm Drainage at Portion M45

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

- Installation of Monitoring Instrumentation
- Bored Pile Construction

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 March to 31 March 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 G/F, LG/F, B1 and B2 slab;

- Construction of column from B2 to B1, B1 to LGF and LGF to GF;
- Installation of mega truss;
- Construction of DCS structure from B1 to LGF;
- Pile cap and sump pit construction at B2 and ICP;
- Construction of B1 slab and beam at ICP
- Sheet Pile Installation for seawater outfall pipe between Ch0+66 to Ch0+108
- Storm Drainage at Portion M45

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

- Installation of Monitoring Instrumentation
- Pre-grouting adjacent to Seawall
- Pipe Pile Construction
- Bored Pile Construction
- Sheet Pile Construction

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.10997142)

2.3.4 Monitoring Methodology

Field Monitoring

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

Maintenance and Calibration

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

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

Weather Condition

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

2.4 Landscape and Visual

2.4.1 Monitoring Program

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

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

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

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

3 Monitoring Results

3.1 Impact Monitoring

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

3.2 Air Quality Monitoring

3.2.1 1-hour TSP

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

Table 3.1: Summary of 1-hour TSP monitoring results

Monitoring Station	Monitoring Date	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1st Result	2nd Result	3rd Result			
AM1	06-Mar-17	10:48	95	105	117	58-117	273.7	500
	10-Mar-17	8:02	80	88	97			
	16-Mar-17	10:40	62	66	70			
	22-Mar-17	10:45	62	66	59			
	28-Mar-17	11:00	60	62	58			
AM2A	06-Mar-17	11:02	125	152	110	60-152	274.2	500
	10-Mar-17	8:15	82	90	99			
	16-Mar-17	10:54	75	82	66			
	22-Mar-17	11:00	77	86	95			
	28-Mar-17	11:12	73	64	60			

3.2.2 24-hour TSP

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

Table 3.2: Summary of 24-hour TSP monitoring results

Monitoring Station	Monitoring Date	Start Time	Monitoring Results ($\mu\text{g}/\text{m}^3$)	Range ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
AM1	06-Mar-17	10:50	49	48-58	143.6	260
	10-Mar-17	08:00	48			
	16-Mar-17	10:42	58			
	22-Mar-17	10:47	48			
	28-Mar-17	10:48	50			
AM2A	06-Mar-17	11:00	69	63-80	151.1	260
	10-Mar-17	08:12	73			
	16-Mar-17	10:52	80			
	22-Mar-17	10:57	66			
	28-Mar-17	11:10	63			

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

3.3 Noise Monitoring

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

Table 3.3: Summary of noise monitoring results during normal weekdays

Monitoring Date	Start Time	End Time	Leq (30 mins), dB(A)	Limit Level for Leq (dB(A))
06-Mar-17	14:00	14:30	69	75
16-Mar-17	14:00	14:30	69	
22-Mar-17	14:00	14:30	68	
28-Mar-17	14:00	14:30	70	

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 12, 19 and 26 March 2017. In accordance with the EM&A Manual, additional monitoring was carried out during the restricted hours on 12, 19 and 26 March 2017. The L_{eq} (5 mins) is in the range of 68-69 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** and **Table 4.4**.

3.4 Landscape and Visual Impact

Landscape and visual impact inspections were conducted as part of the weekly site inspections on 2, 16 and 30 March 2017 for M+ Museum and 1, 15 and 29 March 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 3, 9, 16, 23 and 30 March 2017. The joint site inspection with IEC, ET, ER and Contractor was held on 9 March 2017. EPD site inspection was conducted on 9 March 2017. The discharge points and wastewater treatment facilities were inspected. No malpractice was observed. 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)
23 Feb 2017	Water quality	The contractor was reminded to provide sufficient pumps at B2 to remove the stagnant water.	The contractor has provided pump at B2.	1 Mar 2017
23 Feb 2017	Waste management	The drip tray of the generator near Gate 1 was observed without plug and mixture of chemical waste. The contractor was reminded to provide plug and clean up the drip tray more frequently.	The contractor has cleaned up the drip tray and the hole of the drip tray was sealed.	2 Mar 2017
23 Feb 2017	Waste management	Chemicals without drip tray were found at ground level and gridline 4G. The contractor was reminded to provide sufficient drip trays for the chemicals.	The contractor has removed the chemicals that previously observed without drip tray.	1 Mar 2017
23 Feb 2017	Waste management	Oil stain was found near gridline 4G. The contractor was reminded to rectify it as chemical waste.	The contractor has cleaned up the oil stain near gridline 4G.	1 Mar 2017
23 Feb 2017	Water quality	Effluent quality at ICP sampling point and M+ wetseps was checked. They were all visually clear when comparing with standard solution and within proper pH range. Algae was found in wetsep no.1. The contractor was reminded to remove the algae more frequently.	The contractor has removed the algae previously found at wetsep. no.1.	1 Mar 2017
2 Mar 2017	Waste management	Chemicals and chemical drum was observed without drip tray on ground floor and near Gate 3. The contractor was reminded to provide drip trays for those chemicals.	The contractor has provided drip tray for the chemicals and removed those not in use off site.	8 Mar 2017
2 Mar 2017	Noise	Hand-held breaker (greater than 10kg) was found without noise label. The contractor was reminded to provide noise label for the hand-held breaker.	The contractor has removed the hand-held breaker off site.	8 Mar 2017
2 Mar 2017	Waste management	Refuse was observed at B9. The contractor was reminded to remove the refuse regularly.	The contractor has removed the refuse at B9.	8 Mar 2017

Inspection Date	Parameter	Observation / Recommendation	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
2 Mar 2017	Water quality	Effluent quality at ICP sampling point and M+ wetsep was checked. They were all visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
9 Mar 2017	Air quality	The contractor was reminded to cover inactive stockpile with impervious sheet to reduce dust impact.	The contractor has covered the stockpile with impervious sheet.	16 Mar 2017
9 Mar 2017	Waste management	The contractor was reminded to put the oil filling pipes within the drip tray to prevent oil spillage.	The generator has been removed off site.	15 Mar 2017
9 Mar 2017	Air quality	Haul road near Gate 3 was observed dry and dusty. The contractor was reminded to enhance water spraying frequency to reduce dust impact.	The contractor has enhanced water spraying at haul road near Gate 3.	15 Mar 2017
9 Mar 2017	Air quality	Cement bags were observed uncovered. The contractor was reminded to cover them with impervious sheet to reduce dust impact.	The contractor has covered the cement bags with impervious sheet.	15 Mar 2017
9 Mar 2017	Noise	Hand-held breaker (>10kg) was found without noise label near the seafront. The contractor was reminded to provide noise label.	The hand-held breaker was removed off site and not in use.	15 Mar 2017
9 Mar 2017	Water quality	Sand bags near seafront were found broken. The contractor was reminded to replace the broken sand bags to prevent any site runoff.	The contractor has replaced the broken sand bags near seafront.	15 Mar 2017
9 Mar 2017	Air quality	Dusty activities were observed in B2 without dust suppression measures. The contractor was reminded to implement sufficient dust suppression measures.	The dusty activities have been stopped in B2.	15 Mar 2017
9 Mar 2017	Water quality	Effluent quality at ICP sampling point and M+ wetseps was checked. They were all visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
16 Mar 2017	Water quality	The contractor was reminded to provide pumps for sump pits at M38 in case of rainfalls.	The contractor has provided pumps for sump pits at M38.	22 Mar 2017
16 Mar 2017	Air quality	The contractor was reminded to fully cover the stockpile at wetsep no.5 with impervious sheet	The contractor has provided water spraying for the stockpile at wetsep. no.5.	22 Mar 2017
16 Mar 2017	Noise	A generator was observed without drip tray and QPME label. The contractor was reminded to provide drip tray and check QPME label for the generator.	On 23 March 2017, the contractor has provided QPME label for the generator. The contractor is arranging to provide a drip tray for the generator. On 29 March 2017, the contractor has provided drip tray for the generator.	29 Mar 2017
16 Mar 2017	Water quality	Effluent quality at ICP sampling point and M+ wetseps was checked. They were all visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
23 Mar 2017	Air quality	The contractor was reminded to provide impervious sheet or water	The contractor has provided water spraying for the stockpile near	29 Mar 2017

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
		spraying for the stockpile near DCS if left idle.	DCS.	
23 Mar 2017	Waste management	Oil stain/ leakage was found near wetsep no.1. The contractor was reminded to rectify it and treat it as chemical waste.	The contractor has removed the oil stain/ leakage near wetsep no. 129	29 Mar 2017
23 Mar 2017	Water quality	Effluent quality at ICP sampling point and M+ wetseps was checked. They were all visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
30 Mar 2017	Water quality	The contractor was reminded to switch on the pump to pump out stagnant water at B2.	Follow-up status will be provided in the next reporting month	On-going
30 Mar 2017	Waste management	Chemicals without drip tray was found near wetsep no.5. The contractor was reminded to ensure sufficient drip trays are provided for the chemicals.	Follow-up status will be provided in the next reporting month	On-going
30 Mar 2017	Air quality	Cement bags were observed not fully covered by impervious sheet. The contractor was reminded to well cover all cement bags with impervious sheet to reduce dust impact.	Follow-up status will be provided in the next reporting month	On-going
30 Mar 2017	Water quality	Effluent quality at ICP sampling point and M+ wetseps was checked. They were all visually clear when comparing with standard solution and within proper pH range.	N/A	N/A

4.1.2 Lyric Theatre Complex

Construction phase weekly site inspections were carried out on 1, 8, 15, 22 and 29 March 2017. The joint site inspection with IEC, ET, ER and Contractor was held on 8 March 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)
1 Mar 2017	Air quality	Haul road was observed dry at Area L07 car park. The Contractor was reminded to increase water spraying frequency.	Water spraying was conducted regularly.	6 Mar 2017
1 Mar 2017	Waste management	Drip tray was observed full of oil. The Contractor was reminded to clear the oil and treated as chemical waste.	Oil inside the drip tray was cleaned.	6 Mar 2017
8 Mar 2017	Waste management	Drip tray at Area L06 was observed full of oil and stagnant water. The Contractor was reminded to clear the drip tray and treated the oil and stagnant water as chemical waste.	Overfilled oil was collected and drip tray was cleaned.	9 Mar 2017
8 Mar 2017	Waste management	An oil drum was observed no drip tray provided. The Contractor was reminded to provide drip tray for oil drum.	Drip tray was provided for the oil drum.	9 Mar 2017

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
15 Mar 2017	Water quality	Mud was accumulated at the channel of Wetsep No. 2. The Contractor was reminded to clear the mud to ensure good quality of discharge wastewater.	The Contractor had cleaned the channel of Wetsep No. 2 to remove accumulated mud.	18 Mar 2017
22 Mar 2017	Air quality/ Waste Management	The Contractor was reminded to keep the public road outside the vehicular site entrance clear of muddy trail.	Public road access was kept clear.	23 Mar 2017
22 Mar 2017	Waste management	Oil stain was observed under a drilling rig in Area L06. The Contractor was asked to provide suitable maintenance to the drilling rig and remove the oil (to be handled as chemical waste).	Drilling rig was checked and maintained. Oil stain on ground was cleared.	23 Mar 2017
22 Mar 2017	Waste management	A chemical container without suitable bund in Area L06 was observed. The Contractor was asked to ensure this container is properly stored in a bunded area.	The chemical was removed from barge ground and put into drip tray.	23 Mar 2017
29 Mar 2017	Waste management	A drip tray of generator set at Area L06 was observed full of mud. The Contractor was reminded to clear the mud to avoid overflow of stagnant water.	Follow-up status will be provided in the next reporting month	On-going
29 Mar 2017	Water quality	Broken water barrier was observed at Area L04. The Contractor was reminded to repair the barrier to avoid stagnant water inside the water barrier.	Follow-up status will be provided in the next reporting month	On-going

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, 31.6 tonnes, 69.38 tonnes and 390.6 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 148.5 tonnes of general refuse was disposed of at SENT landfill. 62.8 tonnes of metals, 0.4 tonnes of paper/cardboard packaging, 0 tonne of plastic and 98.0 tonnes of timber were collected by recycling contractors in the reporting month. 0 tonne of inert C&D materials was reused on site. 1,280.0 tonnes of inert C&D materials were reused in other projects and 109.8 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, 2,719.60 tonnes and 8,642.13 tonnes of inert C&D material were disposed of as public fill to Tuen Mun Area 38 and Tseung Kwan O Area 137 respectively, while 8.5 tonnes of general refuse was disposed of at SENT landfill. 16.1 tonnes of metals, 0 tonne of paper/cardboard packaging, 0 tonne of plastic and 0 tonne of timber were collected by recycling contractors in the reporting month. 0 tonne of inert C&D materials was reused on site. 0 tonne of inert C&D materials was reused in other projects. 1.4 tonnes of chemical wastes 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-RE1058-16	4-Nov-16	3-May-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-RE1113-16	23-Nov-16	20-May-17	Cancelled on 20-Mar-17	
GW-RE0214-17	20-Mar-17	19-Sep-17	Valid	
Wastewater Discharge License				
WT00023648-2016	9-Mar-16	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. Oil filling pipes should be put on drip tray as well.
- Construction waste generated on site should be regularly removed.
- Any oil leakage or stain should be properly rectified and treat it as chemical waste.

Air Quality

- Enhance water spraying for haul roads to reduce dust impact.
- Maintain high standard of housekeeping to prevent emission of fugitive dust.
- Impervious sheet or regular water spraying should be provided to inactive stockpile to reduce dust impact.
- Dusty materials stored on site should be well covered to reduce suppress dust.
- Dust suppression measures should be provided to dusty construction activities.

Noise

- Noise label should be provided for hand-held breaker (greater than 10kg) in use.
- QPME labels should be provide to all QPME.

Water Quality

- Sufficient pumps should be provided to avoid stagnant water, especially in rainy season.
- Proper bund/ sand bags should be provided near the seafront to prevent any site runoff from flowing into the sea.

4.4.2 Lyric Theatre Complex

Chemical and Waste Management

- All chemical drum/ containers stored on site should be provided with drip trays.
- Drip trays should be regularly cleaned up to avoid accumulation of chemical waste.
- Construction waste generated on site should be regularly removed.
- Any oil leakage or stain should be properly rectified and treat it as chemical waste.
- Plants should be regular checked to ensure proper function and no leakage of oil.

Air Quality

- Enhance water spraying for haul roads to reduce dust impact.
- Provide proper wheel washing for all vehicles to ensure no muddy trail at vehicular site entrance

Water Quality

- Wetsep units should be regularly checked and maintained to ensure proper function to treat wastewater or runoff before discharge.
- Water barrier should be properly maintained to avoid accumulation of stagnant water.

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 January 2017	14 March 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 complaint was received this 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 1/F, 1M/F, G/F, LG/F, B1 and B2 slab;
- Construction of column from B2 to B1, B1 to LGF, LGF to GF, GF to 1/F and 1/F to 1M/F;
- Pile cap and sump pit construction at B2 and ICP
- Installation of mega truss
- Construction of B1 Beam and slab at ICP
- Sheet Pile Installation for seawater outfall pipe between Ch0+66 to Ch0+108
- Storm Drainage at Portion M45

7.1.2 Lyric Theatre Complex

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

- Installation of Monitoring Instrumentation
- Bored Pile Construction

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 complaint and 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

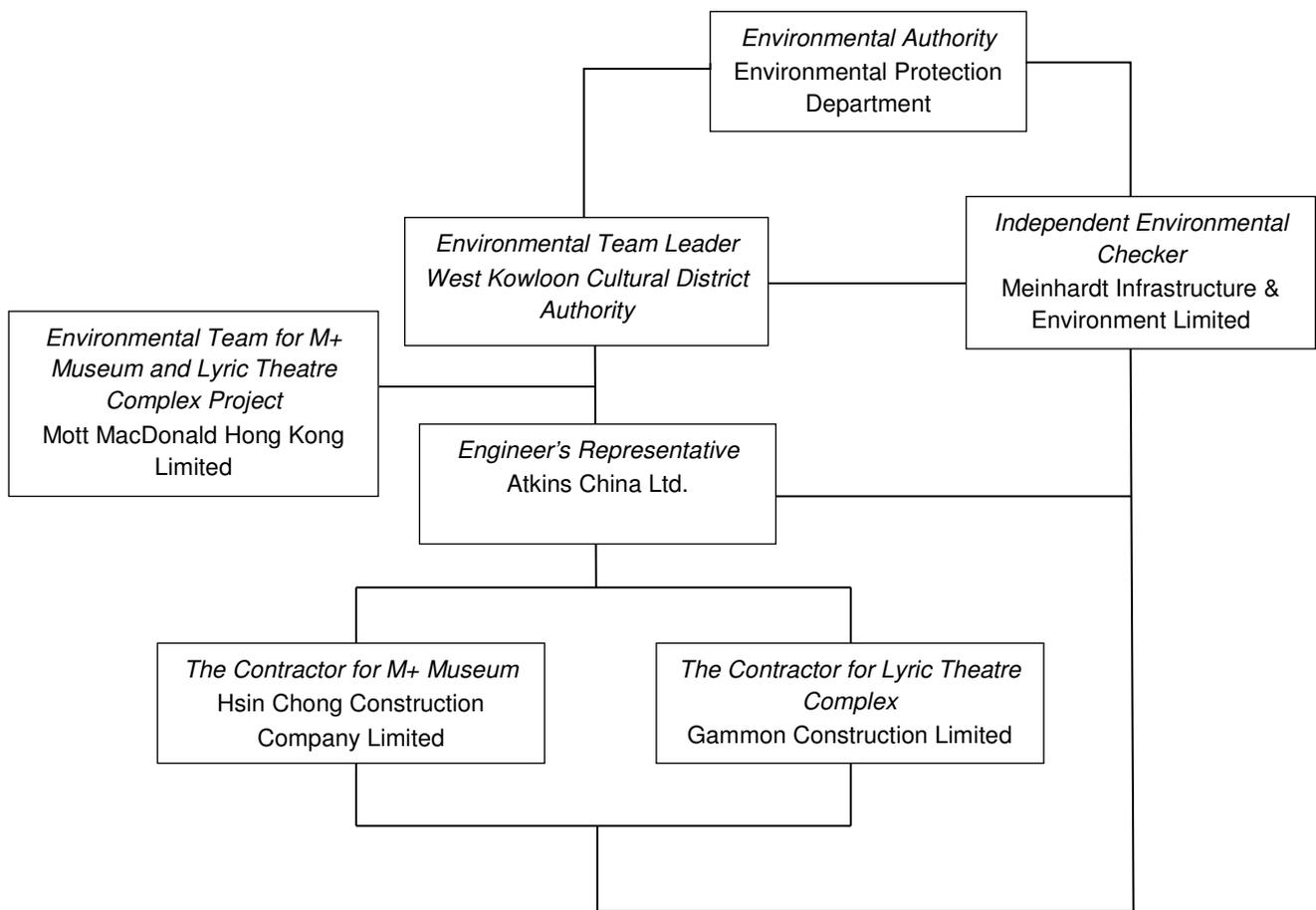


Table A-1: Contact information

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. Leo Chow	9266 6855
Gammon Construction Limited	Environmental Manager	Ms. Michelle Tang	9267 8866
Mott MacDonald Hong Kong Ltd.	Contractor's Environmental Team Leader	Mr Brandon Wong	2828 5875
West Kowloon Cultural District Authority	Senior Environmental Specialist	Mr. Brian Tam	2200 0059

B. Tentative Construction Programme

M+ Museum

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
M+ MICP D15 OP3A - Month 17 - 28 Feb 2017														
M+														
Contract Dates														
CD01	Contract Period (1218 days)	770	24-Feb-17	04-Apr-19	17-Dec-16	23-Feb-19	8.96%	9%	-29					
Key Dates														
KD07	Interfacing Car Park (ICP) - Completion of Structure	0		30-Jun-17		30-Jun-17*	0%	0%	0					
KD01	Sewage Pumping Station (SPS) - Practical Completion for H/O to DSD	0		12-Aug-17		12-Aug-17*	0%	0%	-42					
KD02	CSF Building (P39A) - Obtain OP & Practical Completion for handover to the Au	0		25-Jul-18		25-Jul-18*	0%	0%	0					
KD03	RDE Building (P39B) - Obtain OP & Practical Completion for handover to the Au	0		25-Jul-18		25-Jul-18*	0%	0%	0					
KD05	Main IT Room, Local ICT Room/Riser Room - Stage 2 Completion for H/O to Au	0		25-Aug-18		25-Aug-18*	0%	0%	0					
KD04	M+ - Obtain OP for Stage 1 Completion for whole of M+	0		23-Nov-18		23-Nov-18*	0%	0%	-30					
KD06	M+ Including all other area - Practical Completion of the Works	0		23-Feb-19		23-Feb-19*	0%	0%	-30					
M+ Mega Truss Column & Falseworks Construction														
Truss 3 - Composite Columns & Temporary Works														
C85 (Truss 3)														
C85 4th Layer @ +15.5mPD to 19.7mPD														
A42550	T3-Install non-typical trusses at C85	2	28-Feb-17	01-Mar-17	18-Jan-17	08-Feb-17 A	100%	100%	-34					
Truss 3 Falseworks														
A40360	T3-Erect Peri Towers & top spreader beam	73	09-Nov-16	08-Feb-17	09-Nov-16	14-Jan-17 A	100%	100%	19					
A40380	T3-Install 9m spreader trusses & connect top layer bracings	12	13-Apr-17	29-Apr-17	28-Dec-16	16-Jan-17 A	100%	100%	30					
A40400	T3-Install temporary working platform	3	24-Feb-17	27-Feb-17	17-Jan-17	11-Feb-17 A	0%	100%	15					
A40390	T3-Install shims across top of 9m spreader trusses below working platform	2	02-May-17	04-May-17	26-Jan-17	26-Jan-17 A	50%	100%	23					
Truss 4 - Composite Columns & Temporary Works														
C94 (Truss 4)														
C94 4th Layer @ +15.5mPD to 19.7mPD														
A42600	T4-Install non-typical trusses at C94	2	01-Mar-17	02-Mar-17	24-Jan-17	08-Feb-17 A	100%	100%	-33					
C96 (Truss 4)														
C96 4th Layer @ +15.5mPD to 19.7mPD														
A42640	T4-Install non-typical trusses at C96	2	27-Feb-17	28-Feb-17	06-Feb-17	10-Feb-17 A	100%	100%	-37					
Truss 4 Falseworks														
A40460	T4-Erect Peri Towers & top spreader beam	66	17-Nov-16	08-Feb-17	17-Nov-16	21-Jan-17 A	100%	100%	13					
A40480	T4-Erect 9m spreader trusses & connect top layer bracings	12	13-Apr-17	29-Apr-17	04-Jan-17	14-Feb-17 A	100%	100%	8					
A40470	T4-Install non-typical trusses at Column C94 (after C94 is completed)	12	13-Apr-17	29-Apr-17	23-Jan-17	08-Feb-17 A	100%	100%	13					
A40490	T4-Install temporary working platform	3	02-May-17	05-May-17	13-Feb-17	22-Feb-17 A	33.33%	100%	4					
M+ Podium Structure RC Works														
Podium Structure Zone A, M, N & H (Non-deferred Zone Parallel w/ Trusses)														
Zone A Structure														
B1-GF Level														
A10980	Zone A1 Wall, Column & GF Slab	15	24-Feb-17	13-Mar-17	28-Dec-16	28-Feb-17	100%	73.33%	-35					
A11010	Zone A4 Wall, Column & GF Slab	15	31-May-17	16-Jun-17	06-Feb-17	13-Mar-17	0%	5%	23					
A11020	Zone A5 Wall, Column & GF Slab	15	05-May-17	22-May-17	05-May-17	22-May-17	0%	0%	14					
GF-1F-1MF Level														
A11050	Zone A3 Wall, Column & 1MF Slab	21	24-Feb-17	20-Mar-17	23-Dec-16	13-Mar-17	100%	30%	-45					
A11040	Zone A2 Wall, Column & 1MF Slab	21	24-Feb-17	20-Mar-17	23-Jan-17	15-Mar-17	100%	20%	-35					
A11030	Zone A1 Wall, Column & 1MF Slab	21	28-Feb-17	23-Mar-17	13-Feb-17	18-Mar-17	100%	5%	-30					
A11070	Zone A5 Wall, Column & 1MF Slab	15	23-May-17	09-Jun-17	23-May-17	09-Jun-17	0%	0%	14					
A11060	Zone A4 Wall, Column & 1MF Slab	21	26-Jun-17	21-Jul-17	26-Jun-17	21-Jul-17	0%	0%	-48					
1MF-2F Level														
A11100	Zone A3 Wall, Column & 2F Slab	21	13-Mar-17	07-Apr-17	13-Mar-17	07-Apr-17	100%	0%	-45					
A11090	Zone A2 Wall, Column & 2F Slab	21	15-Mar-17	10-Apr-17	15-Mar-17	10-Apr-17	85.71%	0%	-35					
A11080	Zone A1 Wall, Column & 2F Slab	21	18-Mar-17	13-Apr-17	18-Mar-17	13-Apr-17	47.62%	0%	-30					
2F-3F Level														
A11480	Zone A3 Wall, Column & 3F Slab	21	07-Apr-17	08-May-17	07-Apr-17	08-May-17	42.86%	0%	-45					
A11400	Zone A2 Wall, Column & 3F Slab	21	10-Apr-17	10-May-17	10-Apr-17	10-May-17	0%	0%	-35					
A11320	Zone A1 Wall, Column & 3F Slab	21	13-Apr-17	13-May-17	13-Apr-17	13-May-17	0%	0%	-30					
Zone H Structure														
GL-3F Level (Structure Remains Propped before Zone K construction complete)														
A10880	Podium Wall, Column & GF slab (GL 11-14/L-M)	82	03-Oct-16	10-Jan-17	03-Oct-16	24-Mar-17	100%	70%	-60					
A10890	Podium Wall, Column & 1F slab (GL 11-14/L-M)	14	24-Mar-17	11-Apr-17	24-Mar-17	11-Apr-17	100%	0%	-60					
A10900	Podium Wall, Column & 1MF slab (GL 11-14/L-M)	14	11-Apr-17	02-May-17	11-Apr-17	02-May-17	100%	0%	-60					
A10910	Podium Wall, Column & 2F slab (GL 11-14/L-M)	14	02-May-17	19-May-17	02-May-17	19-May-17	50%	0%	-60					
A17315	Construct B1 Slab (GL 11-12/G-M & GL 11-14/M)	14	05-May-17	20-May-17	05-May-17	20-May-17	0%	0%	14					
A17325	Podium Wall, Column & LGF slab (GL 11-13/H-L)	10	22-May-17	02-Jun-17	22-May-17	02-Jun-17	0%	0%	14					
West Core Wall (Zone M) @ GL 7-8/A-E														
A43080	GF-1F Wall, Column & 1F slab (GL 7-8/A-E)	11	24-Feb-17	08-Mar-17	09-Jan-17	12-Feb-17 A	100%	100%	-8					
A43090	1F-1MF Wall, Column & 1MF slab (GL 7-8/A-E)	11	24-Feb-17	08-Mar-17	09-Feb-17	15-Mar-17	100%	0%	-24					
A43100	1MF-2F Wall, Column & 2F slab (GL 7-8/A-D)	21	16-Mar-17	10-Apr-17	16-Mar-17	10-Apr-17	33.33%	0%	-24					
A43110	2F-3F Wall, Column & 3F slab (GL 7-8/A-D)	21	11-Apr-17	10-May-17	11-Apr-17	10-May-17	0%	0%	-24					
A43120	3F-4F Wall, Column & 4F slab (GL 7-8/A-D)	25	11-May-17	09-Jun-17	11-May-17	09-Jun-17	0%	0%	-24					
A43130	Complete 4/F West Core Wall Podium Structure	0		09-Jun-17		09-Jun-17	0%	0%	-25					
East Core Wall (Zone N) @ GL 7-8/L-M														
A43140	1MF-2F Wall, Column & 2F slab (GL 7-8/L-M)	13	26-Apr-17	10-May-17	26-Apr-17	10-May-17	0%	0%	15					
A43150	2F-3F Wall, Column & 3F slab (GL 7-8/L-M)	13	11-May-17	25-May-17	11-May-17	25-May-17	0%	0%	15					
Podium Structure Zone B, C, D & Q (Deferred Zone @ T5 & T1)														
Zone C @ GL 1-5/H-K														

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

West Kowloon Cultural District Authority M+ Master Completion Programme (MICP) Draft 15 Option 3A



Date	Revision	Checked	Approved
30-Dec-16	M+ MICP Draft 14 Option 3A Month 15 Update	Chris	Chris Chau / Ricky Lau
27-Jan-17	3MRP_27 Jan 17	CS	Chris Chau / Ricky Lau
28-Feb-17	3MRP_28 Feb 17	CS	Chris Chau / Ricky Lau

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
A15920	Stage 2 - Construct wall, column & GF slab (GL 7'-5/H-K)	18	24-Feb-17	16-Mar-17	24-Feb-17	16-Mar-17	55.56%	0%	-10	[Gantt bar for A15920]				
A15930	Stage 3/4 - Construct hanging columns, wall, beam & slab @ 1MF, 1F (GL 1-5/H)	22	10-Mar-17	05-Apr-17	10-Mar-17	05-Apr-17	0%	0%	-10	[Gantt bar for A15930]				
A15940	Stage 5 - Construct wall, column & 2F slab (GL 1-5/HK)	20	24-Mar-17	20-Apr-17	24-Mar-17	20-Apr-17	0%	0%	-10	[Gantt bar for A15940]				
A15950	Stage 5 - Complete Zone C for T5 stability prop installation	0		20-Apr-17		20-Apr-17	0%	0%	-10	[Gantt bar for A15950]				
A42900	Stage 5 - Construct wall, column & 3F slab (GL 1-5/HK)	22	21-Apr-17	18-May-17	21-Apr-17	18-May-17	0%	0%	-10	[Gantt bar for A42900]				
A42910	Complete Zone C Structure	0		18-May-17		18-May-17	0%	0%	-10	[Gantt bar for A42910]				
Podium Structure Zone E, G & J (Deferred Zone Near T3 & T4)														
Zone E & E1 @GL 10-8/A-E (not within deferred zone)														
A16840	Stage 2 - Construct wall, column & GF slab (GL 10-8/C-E)	21	24-Feb-17	20-Mar-17	29-Dec-16	03-Mar-17	100%	70%	-29	[Gantt bar for A16840]				
A16830	Stage 2 - Construct wall, column & GF slab (GL 12-8/A-C)	21	24-Feb-17	20-Mar-17	06-Feb-17	10-Mar-17	100%	40%	-14	[Gantt bar for A16830]				
A16860	Stage 3 - Construct 1MF beam & slab (GL 10-8/C-E)	21	03-Mar-17	28-Mar-17	03-Mar-17	28-Mar-17	100%	0%	-29	[Gantt bar for A16860]				
A16850	Stage 3 - Construct 1MF beam & slab (GL 12-8/A-C)	21	10-Mar-17	05-Apr-17	10-Mar-17	05-Apr-17	4.76%	0%	-14	[Gantt bar for A16850]				
A16880	Stage 4 - Construct 2F beam & slab (GL 10-8/C-E)	21	28-Mar-17	26-Apr-17	28-Mar-17	26-Apr-17	9.52%	0%	-29	[Gantt bar for A16880]				
A16870	Stage 4 - Construct 2F beam & slab (GL 12-8/A-C)	20	05-Apr-17	04-May-17	05-Apr-17	04-May-17	0%	0%	-14	[Gantt bar for A16870]				
A16890	Stage 5 - Construct wall, column & 3F roof (GL 12-8/A-C)	21	04-May-17	29-May-17	04-May-17	29-May-17	0%	0%	-14	[Gantt bar for A16890]				
A16920	Stage 8 - 1MF, 2F & 3F Concrete Curing (GL 12-8/A-C: incl. Area E1)	7	29-May-17	05-Jun-17	29-May-17	05-Jun-17	0%	0%	-17	[Gantt bar for A16920]				
A16930	Stage 8 - Complete Zone E (except E1 & E2)	0		05-Jun-17		05-Jun-17	0%	0%	-13	[Gantt bar for A16930]				
M+ Mega Truss Site Construction														
Site Construction of Truss 5														
A50520	T5 Steel Truss Erection - Part 1 (except T5N04, T5-D21 & T5-B14) (LoE)	57	17-Mar-17	29-May-17	23-Dec-16	14-Jan-17 A	61.4%	100%	54	[Gantt bar for A50520]				
A50525	T5 Steel Truss Concrete Encasement (LoE)	115	08-Mar-17	28-Jul-17	08-Mar-17	28-Jul-17	0%	0%	0	[Gantt bar for A50525]				
T5 Steel Erection (incl. Modular Towers & Working Platform)														
Installation of Bottom Chords, Bracings & Top Chords														
MT1360	Installation T5-D27	1	27-Feb-17	27-Feb-17	13-Jan-17	13-Jan-17 A	100%	100%	15	[Gantt bar for MT1360]				
MT1170	Installation window plate B11-B12	1	06-Mar-17	06-Mar-17	18-Jan-17	18-Jan-17 A	100%	100%	14	[Gantt bar for MT1170]				
MT1180	Installation window plate B12-N02	1	06-Mar-17	06-Mar-17	18-Jan-17	18-Jan-17 A	100%	100%	14	[Gantt bar for MT1180]				
MT1160	Installation window plates N01-B11	1	07-Mar-17	07-Mar-17	14-Feb-17	14-Feb-17 A	100%	100%	-5	[Gantt bar for MT1160]				
Top Chords & Bracing Windows Plates														
MT1350	Installation T5-N06	1	24-Feb-17	24-Feb-17	13-Jan-17	13-Jan-17 A	100%	100%	14	[Gantt bar for MT1350]				
MT1370	Installation T5-B15	1	24-Feb-17	24-Feb-17	14-Jan-17	14-Jan-17 A	100%	100%	15	[Gantt bar for MT1370]				
MT1620	Installation window plate N06-N05	1	08-Apr-17	08-Apr-17	15-Feb-17	15-Feb-17 A	0%	100%	22	[Gantt bar for MT1620]				
MT1490	Installation window plate D25-N02	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17	0%	80%	5	[Gantt bar for MT1490]				
MT1500	Installation window plate D25-N07	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17	0%	0%	4	[Gantt bar for MT1500]				
MT1600	Installation window plate B15-N07	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17	0%	0%	13	[Gantt bar for MT1600]				
MT1610	Installation window plate N07-N06	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17	0%	0%	13	[Gantt bar for MT1610]				
MT1670	Installation of TCB bolts and shaped plates for T5-D26	4	01-Mar-17	04-Mar-17	01-Mar-17	04-Mar-17	0%	0%	4	[Gantt bar for MT1670]				
Welding and NDT of Bottom Chords														
MT1100	Welding N01-B11	4	24-Feb-17	28-Feb-17	06-Jan-17	11-Jan-17 A	100%	100%	16	[Gantt bar for MT1100]				
MT1110	Welding B11-B12	4	24-Feb-17	28-Feb-17	06-Jan-17	13-Jan-17 A	100%	100%	14	[Gantt bar for MT1110]				
MT1120	Welding B12-N02	4	24-Feb-17	28-Feb-17	06-Jan-17	06-Jan-17 A	100%	100%	20	[Gantt bar for MT1120]				
MT1150	NDT for bottom chord (main)	14	03-Mar-17	18-Mar-17	06-Jan-17	26-Jan-17 A	100%	100%	19	[Gantt bar for MT1150]				
MT1130	Welding N02-B13	4	06-Mar-17	09-Mar-17	20-Jan-17	23-Jan-17 A	100%	100%	14	[Gantt bar for MT1130]				
MT1140	Welding B13-N03	4	06-Mar-17	09-Mar-17	20-Jan-17	06-Feb-17 A	100%	100%	5	[Gantt bar for MT1140]				
Welding and NDT of Bottom Chords Window plates														
MT1200	Welding of window plates B11-B12	8	24-Feb-17	04-Mar-17	13-Jan-17	11-Feb-17 A	100%	100%	4	[Gantt bar for MT1200]				
MT1210	Welding of window plates B12-N02	8	24-Feb-17	04-Mar-17	14-Jan-17	10-Feb-17 A	100%	100%	9	[Gantt bar for MT1210]				
MT1220	NDT for bottom chord (window plate)	5	24-Feb-17	01-Mar-17	14-Feb-17	28-Feb-17	100%	70%	-7	[Gantt bar for MT1220]				
MT1190	Welding of window plates N01-B11	8	24-Feb-17	04-Mar-17	16-Feb-17	28-Feb-17	100%	50%	-7	[Gantt bar for MT1190]				
MT1230	Survey check for bottom chord	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17	100%	0%	-6	[Gantt bar for MT1230]				
Welding and NDT of Main Bracings														
MT1380	Welding D24-N02	4	24-Feb-17	28-Feb-17	11-Jan-17	11-Jan-17 A	100%	100%	20	[Gantt bar for MT1380]				
MT1410	Welding D22-N01	4	24-Feb-17	28-Feb-17	24-Jan-17	26-Jan-17 A	100%	100%	7	[Gantt bar for MT1410]				
MT1450	Welding D23-N05	4	24-Feb-17	28-Feb-17	06-Feb-17	07-Feb-17 A	75%	100%	16	[Gantt bar for MT1450]				
MT1580	Welding N06-N05	4	06-Mar-17	09-Mar-17	06-Feb-17	06-Feb-17 A	0%	100%	29	[Gantt bar for MT1580]				
MT1390	Welding D23-N05	4	24-Feb-17	28-Feb-17	07-Feb-17	08-Feb-17 A	100%	100%	-1	[Gantt bar for MT1390]				
MT1540	Welding D27-N03	4	24-Feb-17	28-Feb-17	07-Feb-17	08-Feb-17 A	0%	100%	19	[Gantt bar for MT1540]				
MT1420	Welding D22-N05	4	01-Mar-17	04-Mar-17	09-Feb-17	10-Feb-17 A	75%	100%	13	[Gantt bar for MT1420]				
MT1470	Welding D26-N03	4	01-Mar-17	04-Mar-17	09-Feb-17	13-Feb-17 A	0%	100%	15	[Gantt bar for MT1470]				
MT1590	NDT for bracing (top chord)	13	28-Feb-17	14-Mar-17	09-Feb-17	04-Mar-17	0%	40%	12	[Gantt bar for MT1590]				
MT1570	Welding N07-N06	4	06-Mar-17	09-Mar-17	11-Feb-17	11-Feb-17 A	0%	100%	24	[Gantt bar for MT1570]				
MT1430	Welding D25-N02	4	01-Mar-17	04-Mar-17	13-Feb-17	16-Feb-17 A	75%	100%	8	[Gantt bar for MT1430]				
MT1440	Welding D25-N07	4	24-Feb-17	28-Feb-17	13-Feb-17	13-Feb-17 A	75%	100%	11	[Gantt bar for MT1440]				
MT1480	NDT for bracing (main)	26	24-Feb-17	25-Mar-17	13-Feb-17	02-Mar-17	50%	80%	8	[Gantt bar for MT1480]				
MT1400	Welding D23-N02	4	24-Feb-17	28-Feb-17	14-Feb-17	15-Feb-17 A	100%	100%	-7	[Gantt bar for MT1400]				
MT1560	Welding N07-B15	4	01-Mar-17	04-Mar-17	14-Feb-17	16-Feb-17 A	0%	100%	16	[Gantt bar for MT1560]				
MT1550	Welding D27-B15	4	01-Mar-17	04-Mar-17	15-Feb-17	18-Feb-17 A	0%	100%	14	[Gantt bar for MT1550]				
MT1460	Welding D26-N07	4	01-Mar-17	04-Mar-17	20-Feb-17	22-Feb-17 A	0%	100%	7	[Gantt bar for MT1460]				
Welding and NDT for cover and shaped plates														
MT1680	Welding of TCB bolts and shaped plates for T5-D26	4	01-Mar-17	04-Mar-17	01-Mar-17	04-Mar-17	0%	0%	4	[Gantt bar for MT1680]				
MT1690	NDT for cover and shaped plates, T5-D26	2	08-Mar-17	09-Mar-17	08-Mar-17	09-Mar-17	0%	0%	4	[Gantt bar for MT1690]				
Welding and NDT of Top Chords														
MT1650	Welding window plates N06-N05	8	24-Feb-17	04-Mar-17	17-Feb-17	23-Feb-17 A	0%	100%	23	[Gantt bar for MT1650]				
MT1630	Welding window plates B15-N07	8	25-Feb-17	06-Mar-17	25-Feb-17	06-Mar-17	0%	0%	13	[Gantt bar for MT1630]				
MT1640	Welding window plates N07-N06	8	25-Feb-17	06-Mar-17	25-Feb-17	06-Mar-17	0%	0%	13	[Gantt bar for MT1640]				
MT1660	NDT for bracing (top chord window plates)	3	10-Mar-17	13-Mar-17	10-Mar-17	13-Mar-17	0%	0%	10	[Gantt bar for MT1660]				
Welding and NDT of window plates and top chords														
MT1510	Welding window plates D25-N02	8	25-Feb-17	06-Mar-17	25-Feb-17	06-Mar-17	0%	0%	4	[Gantt bar for MT1510]				
MT1520	Welding window plates D25-N07	8	25-Feb-17	06-Mar-17	25-Feb-17	06-Mar-17	0%	0%	4	[Gantt bar for MT1520]				
MT1530	NDT for bracing (window plate)	3	07-Mar-17	09-Mar-17	07-Mar-17	09-Mar-17	0%	0%	4	[Gantt bar for MT1530]				
RC Works C/J2 to +23.7mPD (Bottom Chord)														

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
A50610	Rebar Fixing CJ2 @GL 1-3	8	08-Mar-17	16-Mar-17	08-Mar-17	16-Mar-17	0%	0%	4					
A50650	Rebar Fixing CJ2 @GL 3-5	9	17-Mar-17	27-Mar-17	17-Mar-17	27-Mar-17	0%	0%	4					
A50620	Formworks CJ2 @GL 1-3	1	17-Mar-17	17-Mar-17	17-Mar-17	17-Mar-17	0%	0%	4					
A50630	Concreting CJ2 @GL 1-3	1	18-Mar-17	18-Mar-17	18-Mar-17	18-Mar-17	0%	0%	4					
A50640	Concrete Curing CJ2 @GL 1-3	7	19-Mar-17	25-Mar-17	19-Mar-17	25-Mar-17	0%	0%	5					
A50660	Formworks CJ2 @GL 3-5	2	28-Mar-17	29-Mar-17	28-Mar-17	29-Mar-17	0%	0%	4					
A50670	Concreting CJ2 @GL 3-5	1	30-Mar-17	30-Mar-17	30-Mar-17	30-Mar-17	0%	0%	4					
A50680	Concrete Curing CJ2 @GL 3-5	7	31-Mar-17	06-Apr-17	31-Mar-17	06-Apr-17	0%	0%	6					
RC Works to CJ3 to +28.6mPD (7 nos. of Bracing)														
A51030	Rebar Fixing CJ3 @GL 1-3	5	27-Mar-17	31-Mar-17	27-Mar-17	31-Mar-17	0%	0%	4					
A51040	Formworks CJ3 @GL 1-3	2	01-Apr-17	03-Apr-17	01-Apr-17	03-Apr-17	0%	0%	4					
A51100	Concreting CJ3 @GL 1-3	1	05-Apr-17	05-Apr-17	05-Apr-17	05-Apr-17	0%	0%	4					
A51110	CJ3 @GL 1-3 Concrete Curing	7	06-Apr-17	12-Apr-17	06-Apr-17	12-Apr-17	0%	0%	5					
A51120	Rebar Fixing CJ3 @GL 3-5	4	07-Apr-17	11-Apr-17	07-Apr-17	11-Apr-17	0%	0%	5					
A51130	Formworks CJ3 @GL 3-5	1	12-Apr-17	12-Apr-17	12-Apr-17	12-Apr-17	0%	0%	5					
A51140	Concreting CJ3 @GL 3-5	1	13-Apr-17	13-Apr-17	13-Apr-17	13-Apr-17	0%	0%	5					
A51150	CJ3 @GL 3-5 Concrete Curing	7	14-Apr-17	20-Apr-17	14-Apr-17	20-Apr-17	0%	0%	9					
RC Works to +31.3mPD (Top Chord - 3/F)														
A51710	Rebar Fixing CJ4 @GL 1-3	8	01-Apr-17	11-Apr-17	01-Apr-17	11-Apr-17	0%	0%	4					
A51740	Formworks CJ4 @GL 1-3	2	12-Apr-17	13-Apr-17	12-Apr-17	13-Apr-17	0%	0%	4					
A52030	Rebar Fixing CJ4 @GL 3-5	7	12-Apr-17	22-Apr-17	12-Apr-17	22-Apr-17	0%	0%	5					
A51840	Concreting Top Chord CJ4 @GL 1-3	1	18-Apr-17	18-Apr-17	18-Apr-17	18-Apr-17	0%	0%	4					
A51940	Concrete Curing Top Chord CJ4 @GL 1-3	7	19-Apr-17	25-Apr-17	19-Apr-17	25-Apr-17	0%	0%	4					
A52060	Formworks CJ4 @GL 3-5	1	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17	0%	0%	5					
A52150	Concreting Top Chord CJ4 @GL 3-5	1	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	0%	0%	5					
A52240	Concrete Curing Top Chord CJ4 @GL 3-5	7	26-Apr-17	02-May-17	26-Apr-17	02-May-17	0%	0%	7					
Site Construction of Truss 1														
A40515	T1 Steel Truss Erection (LoE)	70	24-Feb-17	23-May-17	23-Jan-17	18-Mar-17	24.29%	71.43%	33					
A40510	Commencement of Truss 1 Steel Works Erection	0	10-Apr-17		25-Jan-17		100%	100%	10					
A40520	T1 Steel Truss Concrete Encasement (LoE)	76	13-Mar-17	16-Jun-17	13-Mar-17	16-Jun-17	0%	0%	12					
A40518	Complete Truss 1 Steel Erection	0		20-Apr-17		20-Apr-17	0%	0%	16					
RC Works for Plinth CJ1 to +20.45mPD (Prior to Bottom Chord Erection)														
A40560	Concrete curing CJ1	7	16-Mar-17	22-Mar-17	22-Jan-17	24-Jan-17 A	100%	100%	11					
T1 Steel Erection (incl. Modular Towers & Working Platform)														
Temporary Supports & Modular Towers														
MT1860	Temporary support of bottom chord	6	24-Feb-17	02-Mar-17	23-Jan-17	23-Jan-17 A	100%	100%	14					
MT1850	Complete Truss 1 Bottom 750mm Bedding (RC strength reach 45MPa)	0		24-Feb-17		24-Jan-17 A	100%	100%	7					
MT2120	Installation of temporary support towers 4&5	2	01-Mar-17	02-Mar-17	01-Feb-17	03-Feb-17 A	100%	100%	11					
MT2170	Installation of temporary support towers 3	1	05-Apr-17	05-Apr-17	01-Feb-17	03-Feb-17 A	0%	100%	39					
MT2180	Installation of temporary support towers 2	1	24-Feb-17	24-Feb-17	01-Feb-17	03-Feb-17 A	0%	100%	41					
MT2110	Installation of temporary support towers 6&7	2	24-Feb-17	25-Feb-17	14-Feb-17	15-Feb-17 A	100%	100%	-3					
MT2130	Erection hanger platform 6&7	1	22-Mar-17	22-Mar-17	18-Feb-17	18-Feb-17 A	0%	100%	15					
MT2200	Erection hanger platform 4&5	1	13-Mar-17	13-Mar-17	20-Feb-17	20-Feb-17 A	0%	100%	41					
MT2190	Erection hanger platform 2&3	1	24-Feb-17	24-Feb-17	22-Feb-17	24-Feb-17 A	0%	100%	27					
MT2500	Installation of temporary support towers 1	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17	0%	0%	37					
MT2510	Erection hanger platform 1	1	25-Feb-17	25-Feb-17	25-Feb-17	25-Feb-17	0%	0%	37					
Installation of Bottom Chords, Bracings & Top Chords														
MT1910	Installation T1-N02	1	27-Feb-17	27-Feb-17	25-Jan-17	25-Jan-17 A	100%	100%	17					
MT2060	Installation T1-B11	1	13-Mar-17	13-Mar-17	25-Jan-17	25-Jan-17 A	0%	100%	32					
MT1870	Installation T1-B13	1	24-Feb-17	24-Feb-17	04-Feb-17	04-Feb-17 A	100%	100%	7					
MT1880	Installation T1-N03	1	24-Feb-17	24-Feb-17	04-Feb-17	04-Feb-17 A	100%	100%	7					
MT1890	Installation T1-B12B	1	25-Feb-17	25-Feb-17	04-Feb-17	04-Feb-17 A	100%	100%	8					
MT1900	Installation T1-B12A	1	25-Feb-17	25-Feb-17	04-Feb-17	04-Feb-17 A	100%	100%	8					
MT2150	Installation T1-D24	1	24-Feb-17	24-Feb-17	16-Feb-17	16-Feb-17 A	0%	100%	18					
MT2160	Installation T1-D23	1	25-Feb-17	25-Feb-17	16-Feb-17	16-Feb-17 A	0%	100%	19					
MT2140	Installation T1-N08	1	24-Feb-17	24-Feb-17	18-Feb-17	18-Feb-17 A	0%	100%	16					
MT1920	Installation T1-D25	1	27-Feb-17	27-Feb-17	21-Feb-17	21-Feb-17 A	100%	100%	-3					
MT2230	Installation T1-D22	1	24-Feb-17	24-Feb-17	21-Feb-17	21-Feb-17 A	0%	100%	33					
MT2210	Installation T1-N06	1	25-Feb-17	25-Feb-17	24-Feb-17	24-Feb-17 A	0%	100%	29					
MT2220	Installation T1-D21	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17 A	0%	100%	29					
MT2000	Installation window plate T1-B12-7	1	02-Mar-17	02-Mar-17	02-Mar-17	02-Mar-17	0%	0%	-2					
MT2010	Installation window plate T1-B12-3	1	02-Mar-17	02-Mar-17	02-Mar-17	02-Mar-17	0%	0%	-2					
MT2020	Installation window plate T1-B12-1	1	02-Mar-17	02-Mar-17	02-Mar-17	02-Mar-17	0%	0%	-2					
MT2240	Installation T1-N07	1	07-Mar-17	07-Mar-17	07-Mar-17	07-Mar-17	0%	0%	33					
Top Chords & Bracing Windows Plates														
MT2520	Installation T1-N05	1	27-Feb-17	27-Feb-17	27-Feb-17	27-Feb-17	0%	0%	37					
MT2360	Installation window plate T1-D21-1C(I)	1	03-Mar-17	03-Mar-17	03-Mar-17	03-Mar-17	0%	0%	30					
MT2340	Installation window plate T1-D24-1A(O)	1	06-Mar-17	06-Mar-17	06-Mar-17	06-Mar-17	0%	0%	12					
MT2370	Installation window plate T1-D22-1A(O)	1	06-Mar-17	06-Mar-17	06-Mar-17	06-Mar-17	0%	0%	30					
MT2380	Installation T1-B15, B15-1C, B15-1D	5	08-Mar-17	08-Mar-17	13-Mar-17	13-Mar-17	0%	0%	33					
MT2350	Installation window plate T1-D23-1B(I)	1	11-Mar-17	11-Mar-17	11-Mar-17	11-Mar-17	0%	0%	12					
MT2490	Installation T1-B14	1	14-Mar-17	14-Mar-17	14-Mar-17	14-Mar-17	0%	0%	33					
MT2440	Install cover plates at D24	4	20-Mar-17	23-Mar-17	20-Mar-17	23-Mar-17	0%	0%	12					
MT2460	Installation cover plate, TCB at D21	4	05-Apr-17	08-Apr-17	05-Apr-17	08-Apr-17	0%	0%	12					
Welding and NDT for bottom chords														
MT1970	Welding B13-N04	4	02-Mar-17	06-Mar-17	20-Feb-17	21-Feb-17 A	25%	100%	6					
MT1960	Welding B13-N03	4	02-Mar-17	06-Mar-17	22-Feb-17	23-Feb-17 A	25%	100%	4					
MT1930	Welding N03-B12B	5	24-Feb-17	01-Mar-17	24-Feb-17	27-Feb-17	100%	50%	-4					
MT1940	Welding B12B-B12A	5	24-Feb-17	01-Mar-17	24-Feb-17	01-Mar-17	100%	0%	-6					
MT1950	Welding B12A-N02	5	24-Feb-17	01-Mar-17	24-Feb-17	01-Mar-17	100%	0%	-6					

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

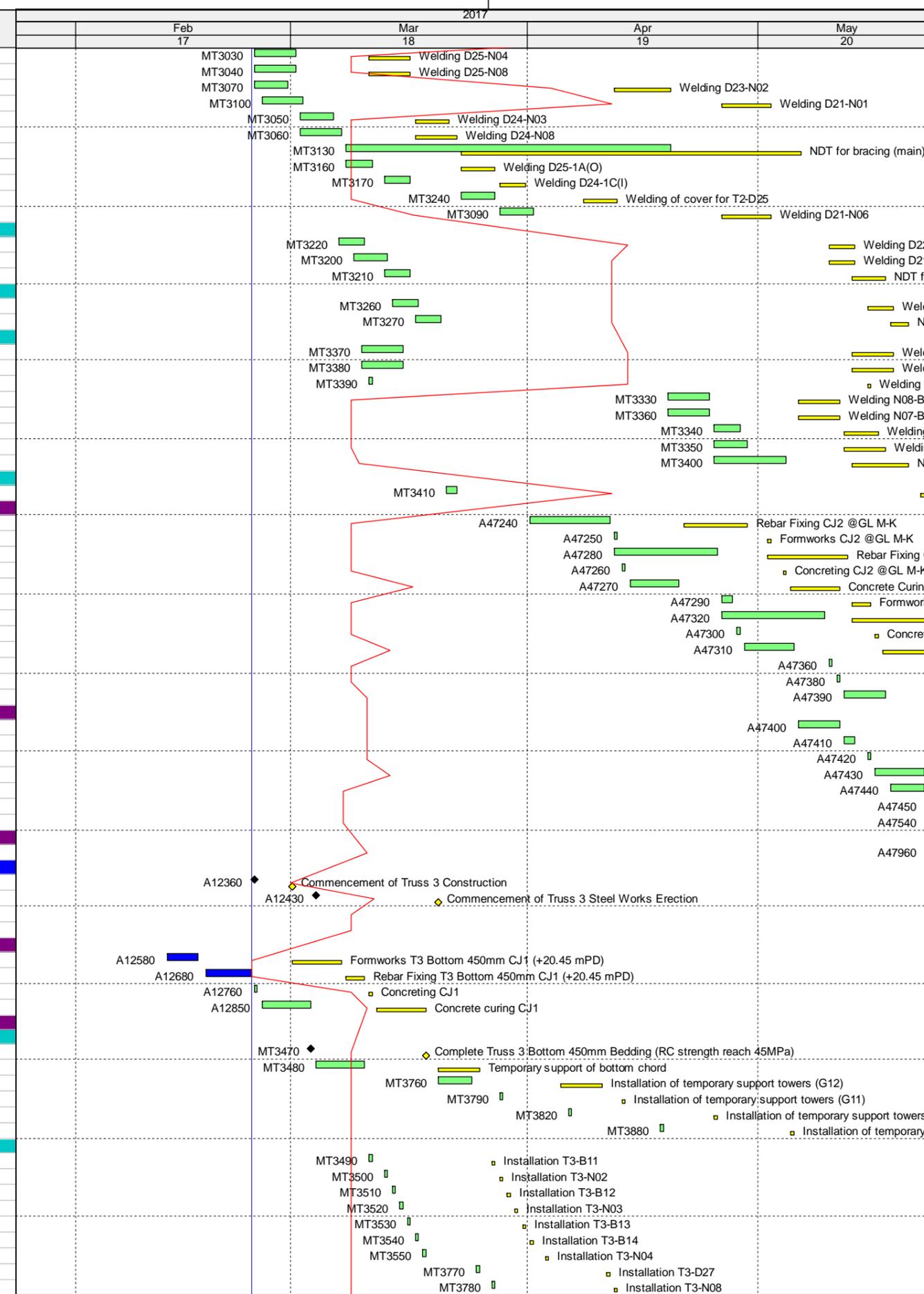
Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
MT1980	Welding D25-N01	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	25%	0%	-1					
MT1990	NDT for bottom chord (main)	5	27-Feb-17	03-Mar-17	27-Feb-17	03-Mar-17	0%	0%	-1					
Welding and NDT for bottom chord Window plates														
MT2030	Welding of window plate B12-7	4	03-Mar-17	07-Mar-17	03-Mar-17	07-Mar-17	0%	0%	-2					
MT2040	Welding of window plate B12-1	4	03-Mar-17	07-Mar-17	03-Mar-17	07-Mar-17	0%	0%	-2					
MT2050	Welding of window plate B12-3	4	03-Mar-17	07-Mar-17	03-Mar-17	07-Mar-17	0%	0%	-2					
Welding and NDT for bottom chords-1														
MT2070	Welding N02-B11	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	12					
MT2080	Welding B11-N01	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	12					
MT2100	Survey check for bottom chord	1	01-Mar-17	01-Mar-17	01-Mar-17	01-Mar-17	0%	0%	12					
MT2090	NDT for bottom chord (window plate)	9	10-Mar-17	20-Mar-17	10-Mar-17	20-Mar-17	0%	0%	-2					
Welding and NDT for Main bracings														
MT2290	Welding D22-N06	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	30					
MT2300	Welding D22-N02	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	30					
MT2310	Welding D21-N06	5	24-Feb-17	01-Mar-17	24-Feb-17	01-Mar-17	0%	0%	30					
MT2320	Welding D21-N01	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	30					
MT2250	Welding D24-N04	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	12					
MT2270	Welding D24-N08	5	24-Feb-17	01-Mar-17	24-Feb-17	01-Mar-17	0%	0%	12					
MT2260	Welding D23-N03	4	01-Mar-17	04-Mar-17	01-Mar-17	04-Mar-17	0%	0%	12					
MT2280	Welding D23-N08	5	02-Mar-17	07-Mar-17	02-Mar-17	07-Mar-17	0%	0%	12					
MT2330	NDT for bracing (main)	20	04-Mar-17	27-Mar-17	04-Mar-17	27-Mar-17	0%	0%	12					
Welding and NDT for cover plates														
MT2450	Welding cover plates at D24	3	24-Mar-17	27-Mar-17	24-Mar-17	27-Mar-17	0%	0%	12					
MT2480	NDT for cover plates	18	25-Mar-17	19-Apr-17	25-Mar-17	19-Apr-17	0%	0%	12					
MT2470	Welding cover plate at D21	4	10-Apr-17	13-Apr-17	10-Apr-17	13-Apr-17	0%	0%	12					
Welding and NDT for Window plates-1														
MT2420	Welding of D21-1C(I)	4	04-Mar-17	08-Mar-17	04-Mar-17	08-Mar-17	0%	0%	30					
MT2410	Welding of D22-1A(O)	4	07-Mar-17	10-Mar-17	07-Mar-17	10-Mar-17	0%	0%	30					
MT2390	Welding of D24-1A(O)	4	10-Mar-17	14-Mar-17	10-Mar-17	14-Mar-17	0%	0%	12					
MT2400	Welding of D23-1B(I)	5	13-Mar-17	17-Mar-17	13-Mar-17	17-Mar-17	0%	0%	12					
MT2430	NDT for bracing (window plate)	15	17-Mar-17	03-Apr-17	17-Mar-17	03-Apr-17	0%	0%	12					
Welding and NDT for Top Chords														
MT2580	Welding N06-N05	1	28-Feb-17	28-Feb-17	28-Feb-17	28-Feb-17	0%	0%	37					
MT2560	Welding B15-B15-1C/1D	8	08-Mar-17	16-Mar-17	08-Mar-17	16-Mar-17	0%	0%	33					
MT2530	Welding N08-B15-1C/1D	2	11-Mar-17	13-Mar-17	11-Mar-17	13-Mar-17	0%	0%	33					
MT2540	Welding B15-N07	4	11-Mar-17	15-Mar-17	11-Mar-17	15-Mar-17	0%	0%	33					
MT2550	Welding N07-B14	4	11-Mar-17	15-Mar-17	11-Mar-17	15-Mar-17	0%	0%	33					
MT2570	Welding B14-N06	4	15-Mar-17	18-Mar-17	15-Mar-17	18-Mar-17	0%	0%	33					
MT2590	NDT for top chord (main)	2	20-Mar-17	21-Mar-17	20-Mar-17	21-Mar-17	0%	0%	33					
Completion of T1 Installation														
MT2600	Survey check for overall truss T1	1	20-Apr-17	20-Apr-17	20-Apr-17	20-Apr-17	0%	0%	12					
RC Works East Core Wall (incl. to +28.3mPD for T5-N04A & T5-N04B)														
A49410	Rebar Fixing to +28.3mPD @GL K-M	5	27-Mar-17	31-Mar-17	27-Mar-17	31-Mar-17	0%	0%	12					
A49500	Formworks +28.3mPD @GL K-M	1	01-Apr-17	01-Apr-17	01-Apr-17	01-Apr-17	0%	0%	12					
A49590	Concreting +28.3mPD @GL K-M	1	03-Apr-17	03-Apr-17	03-Apr-17	03-Apr-17	0%	0%	12					
A49680	Concrete Curing +28.3mPD @GL K-M	7	04-Apr-17	10-Apr-17	04-Apr-17	10-Apr-17	0%	0%	18					
A37510	Construct +20.45mPD to 23.7mPD	15	10-Apr-17	29-Apr-17	10-Apr-17	29-Apr-17	0%	0%	0					
A37520	Construct +23.7mPD to 28.4mPD	17	02-May-17	22-May-17	02-May-17	22-May-17	0%	0%	0					
A37530	Concrete Curing +28.4mPD	3	23-May-17	25-May-17	23-May-17	25-May-17	0%	0%	0					
RC Works CJ2 to +23.7mPD (Bottom Chord)														
A40570	Rebar Fixing CJ2 @GL M-K	8	13-Mar-17	21-Mar-17	13-Mar-17	21-Mar-17	0%	0%	12					
A40580	Formworks CJ2 @GL M-K	1	22-Mar-17	22-Mar-17	22-Mar-17	22-Mar-17	0%	0%	12					
A40610	Rebar Fixing CJ2 @GL K-H	9	22-Mar-17	31-Mar-17	22-Mar-17	31-Mar-17	0%	0%	12					
A40590	Concreting CJ2 @GL M-K	1	23-Mar-17	23-Mar-17	23-Mar-17	23-Mar-17	0%	0%	12					
A40600	Concrete Curing CJ2 @GL M-K	7	24-Mar-17	30-Mar-17	24-Mar-17	30-Mar-17	0%	0%	15					
A40620	Formworks CJ2 @GL K-H	2	01-Apr-17	03-Apr-17	01-Apr-17	03-Apr-17	0%	0%	12					
A40650	Rebar Fixing CJ2 @GL H-E	10	01-Apr-17	13-Apr-17	01-Apr-17	13-Apr-17	0%	0%	12					
A40630	Concreting CJ2 @GL K-H	1	05-Apr-17	05-Apr-17	05-Apr-17	05-Apr-17	0%	0%	12					
A40640	Concrete Curing CJ2 @GL K-H	7	06-Apr-17	12-Apr-17	06-Apr-17	12-Apr-17	0%	0%	17					
A40660	Formworks CJ2 @GL H-E	1	18-Apr-17	18-Apr-17	18-Apr-17	18-Apr-17	0%	0%	12					
A44330	Concreting CJ2 @GL H-E	1	19-Apr-17	19-Apr-17	19-Apr-17	19-Apr-17	0%	0%	12					
A44440	Concrete Curing CJ2 @GL H-E	6	20-Apr-17	25-Apr-17	20-Apr-17	25-Apr-17	0%	0%	16					
RC Works to CJ3 to +29.3mPD (7 nos. of Bracing)														
A40670	Rebar Fixing CJ3 @GL M-K	5	31-Mar-17	06-Apr-17	31-Mar-17	06-Apr-17	0%	0%	23					
A40680	Formworks CJ3 @GL M-K	2	07-Apr-17	08-Apr-17	07-Apr-17	08-Apr-17	0%	0%	23					
A40690	Concreting CJ3 @GL M-K	1	10-Apr-17	10-Apr-17	10-Apr-17	10-Apr-17	0%	0%	23					
A40700	Concrete Curing CJ3 @GL M-K	7	11-Apr-17	17-Apr-17	11-Apr-17	17-Apr-17	0%	0%	32					
A40710	Rebar Fixing CJ3 @GL K-H	4	13-Apr-17	20-Apr-17	13-Apr-17	20-Apr-17	0%	0%	18					
A40720	Formworks CJ3 @GL K-H	1	21-Apr-17	21-Apr-17	21-Apr-17	21-Apr-17	0%	0%	18					
A40730	Concreting CJ3 @GL K-H	1	22-Apr-17	22-Apr-17	22-Apr-17	22-Apr-17	0%	0%	18					
A40740	Concrete Curing CJ3 @GL K-H	7	23-Apr-17	29-Apr-17	23-Apr-17	29-Apr-17	0%	0%	24					
A40750	Rebar Fixing CJ3 @GL H-E	5	26-Apr-17	02-May-17	26-Apr-17	02-May-17	0%	0%	12					
A40760	Formworks CJ3 @GL H-E	1	04-May-17	04-May-17	04-May-17	04-May-17	0%	0%	12					
A44950	Concreting CJ3 @GL H-E	1	05-May-17	05-May-17	05-May-17	05-May-17	0%	0%	12					
A45060	Concrete Curing CJ3 @GL H-E	7	06-May-17	12-May-17	06-May-17	12-May-17	0%	0%	14					
RC Works to CJ4 to 34.75mPD (7 nos. of Bracing)														
A40770	Rebar Fixing CJ4 @GL M-K	5	18-Apr-17	22-Apr-17	18-Apr-17	22-Apr-17	0%	0%	26					
A40780	Formworks CJ4 @GL M-K	2	24-Apr-17	25-Apr-17	24-Apr-17	25-Apr-17	0%	0%	26					
A40790	Concreting CJ4 @GL M-K	1	26-Apr-17	26-Apr-17	26-Apr-17	26-Apr-17	0%	0%	26					
A40800	Concrete Curing CJ4 @GL M-K	7	27-Apr-17	03-May-17	27-Apr-17	03-May-17	0%	0%	33					

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017					
										Feb 17	Mar 18	Apr 19	May 20		
A40810	Rebar Fixing CJ4 @GL K-H	4	02-May-17	06-May-17	02-May-17	06-May-17	0%	0%	20						
A40820	Formworks CJ4 @GL K-H	2	08-May-17	09-May-17	08-May-17	09-May-17	0%	0%	20						
A40830	Concreting CJ4 @GL K-H	1	10-May-17	10-May-17	10-May-17	10-May-17	0%	0%	20						
A40840	Concrete Curing CJ4 @GL K-H	7	11-May-17	17-May-17	11-May-17	17-May-17	0%	0%	24						
A40850	Rebar Fixing CJ4 @GL H-E	5	13-May-17	18-May-17	13-May-17	18-May-17	0%	0%	12						
A40860	Formworks CJ4 @GL H-E	2	19-May-17	20-May-17	19-May-17	20-May-17	0%	0%	12						
A45570	Concreting CJ4 @GL H-E	1	22-May-17	22-May-17	22-May-17	22-May-17	0%	0%	12						
A45680	Concrete Curing CJ4 @GL H-E	7	23-May-17	29-May-17	23-May-17	29-May-17	0%	0%	15						
RC Works to +37.95mPD (Top Chord - 4/F Slab)															
A40910	Rebar Fixing @GL K-H	7	18-May-17	25-May-17	18-May-17	25-May-17	0%	0%	20						
Site Construction of Truss 2															
A46665	T2 Steel Truss Erection (LoE)	69	24-Feb-17	22-May-17	27-Jan-17	04-May-17	1.45%	21.74%	14						
A46660	Commencement of Truss 2 Steel Works Erection	0	13-Apr-17		04-Feb-17		100%	100%	19						
A46675	Complete Truss 2 Steel Works Erection	0		22-Mar-17		22-Mar-17	0%	0%	62						
A46715	T2 Steel Truss Concrete Encasement (LoE)	80	01-Apr-17	12-Jul-17	01-Apr-17	12-Jul-17	0%	0%	11						
RC Works for CJ1 to +20.45mPD (Prior to Bottom Chord Erection)															
A46810	Formworks T1 Bottom 750mm CJ1 (+20.45 mPD)	9	21-Jan-17	04-Feb-17	12-Jan-17	19-Jan-17 A	100%	100%	12						
A46890	Rebar Fixing T1 Bottom 750mm CJ1 (+20.45 mPD)	8	04-Feb-17	01-Mar-17	19-Jan-17	24-Jan-17 A	100%	100%	16						
A46990	Concreting CJ1	1	24-Feb-17	24-Feb-17	25-Jan-17	25-Jan-17 A	100%	100%	16						
A47000	Concrete curing CJ1	7	26-Feb-17	04-Mar-17	26-Jan-17	03-Feb-17 A	100%	100%	20						
T2 Steel Erection (incl. Modular Towers & Working Platform)															
Temporary Supports & Modular Towers															
MT2660	Temporary support of bottom chord	6	24-Feb-17	02-Mar-17	27-Jan-17	27-Jan-17 A	16.67%	100%	26						
MT2650	Complete Truss 2 Bottom 750mm Bedding (RC strength reach 45MPa)	0		24-Feb-17		03-Feb-17 A	100%	100%	17						
MT2680	Installation of temporary support towers 4&5	2	28-Feb-17	01-Mar-17	08-Feb-17	11-Feb-17 A	0%	100%	15						
MT2890	Installation of temporary support towers 3	1	22-Mar-17	22-Mar-17	08-Feb-17	11-Feb-17 A	0%	100%	33						
MT2900	Installation of temporary support towers 2	1	24-Feb-17	24-Feb-17	08-Feb-17	11-Feb-17 A	0%	100%	35						
MT2670	Installation of temporary support towers 6&7	2	25-Feb-17	27-Feb-17	13-Feb-17	15-Feb-17 A	0%	100%	10						
MT2910	Installation of hanger platform 6&7	1	10-Mar-17	10-Mar-17	18-Feb-17	18-Feb-17 A	0%	100%	17						
MT3010	Installation of hanger platform 4&5	1	21-Apr-17	21-Apr-17	20-Feb-17	20-Feb-17 A	0%	100%	53						
MT2970	Installation of hanger platform 2&3	1	28-Feb-17	28-Feb-17	28-Feb-17	28-Feb-17	0%	0%	42						
MT3300	Installation of temporary support towers 1	1	08-Mar-17	08-Mar-17	08-Mar-17	08-Mar-17	0%	0%	49						
MT3310	Installation of hanger platform 1	1	09-Mar-17	09-Mar-17	09-Mar-17	09-Mar-17	0%	0%	49						
Installation of Bottom Chords, Bracings & Top Chords															
MT2840	Installation T2-B11	1	10-Mar-17	10-Mar-17	04-Feb-17	04-Feb-17 A	0%	100%	34						
MT2690	Installation T2-B13	1	24-Feb-17	24-Feb-17	07-Feb-17	07-Feb-17 A	0%	100%	20						
MT2700	Installation T2-N03	1	24-Feb-17	24-Feb-17	07-Feb-17	07-Feb-17 A	0%	100%	20						
MT2710	Installation T2-B12	1	25-Feb-17	25-Feb-17	07-Feb-17	07-Feb-17 A	0%	100%	21						
MT2720	Installation T2-N02	1	25-Feb-17	25-Feb-17	07-Feb-17	07-Feb-17 A	0%	100%	21						
MT2920	Installation T2-N08	1	06-Mar-17	06-Mar-17	08-Feb-17	08-Feb-17 A	0%	100%	27						
MT2940	Installation T2-D24	1	24-Feb-17	24-Feb-17	17-Feb-17	17-Feb-17 A	0%	100%	20						
MT2930	Installation T2-D25	1	06-Mar-17	06-Mar-17	18-Feb-17	18-Feb-17 A	0%	100%	18						
MT2950	Installation T2-D23	1	25-Mar-17	25-Mar-17	21-Feb-17	21-Feb-17 A	0%	100%	42						
MT2960	Installation T2-D26	1	24-Feb-17	24-Feb-17	21-Feb-17	21-Feb-17 A	0%	100%	42						
MT3000	Installation T2-D22	1	07-Mar-17	07-Mar-17	22-Feb-17	22-Feb-17 A	0%	100%	50						
MT2990	Installation T2-D21	1	23-Feb-17	23-Feb-17	23-Feb-17 A	23-Feb-17 A	0%	100%	47						
MT2980	Installation T2-N06	1	06-Mar-17	06-Mar-17	24-Feb-17	24-Feb-17 A	0%	100%	47						
MT3020	Installation T2-N07	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17	0%	0%	49						
MT2780	Installation window plate T2-B12-1	1	07-Mar-17	07-Mar-17	07-Mar-17	07-Mar-17	0%	0%	6						
MT2790	Installation window plate T2-B12-4	1	07-Mar-17	07-Mar-17	07-Mar-17	07-Mar-17	0%	0%	6						
MT2800	Installation window plate T2-B12-5	1	07-Mar-17	07-Mar-17	07-Mar-17	07-Mar-17	0%	0%	6						
Top Chords & Bracing Windows Plates															
MT3140	Installation T2-D25-1A(O)	1	06-Mar-17	06-Mar-17	06-Mar-17	06-Mar-17	0%	0%	13						
MT3190	Installation T2-D22-1A(O)	1	06-Mar-17	06-Mar-17	06-Mar-17	06-Mar-17	0%	0%	49						
MT3180	Installation T2-D21-1C(I)	1	07-Mar-17	07-Mar-17	07-Mar-17	07-Mar-17	0%	0%	47						
MT3290	Installation T2-B14	1	07-Mar-17	07-Mar-17	07-Mar-17	07-Mar-17	0%	0%	49						
MT3320	Installation T2-N05	1	10-Mar-17	10-Mar-17	10-Mar-17	10-Mar-17	0%	0%	49						
MT3150	Installation T2-D24-1C(I)	1	11-Mar-17	11-Mar-17	11-Mar-17	11-Mar-17	0%	0%	13						
MT3250	Installation of TCB bolts and shaped plates for T2-D21	4	14-Mar-17	17-Mar-17	14-Mar-17	17-Mar-17	0%	0%	47						
MT3230	Installation of cover plate for T2-D25	3	21-Mar-17	23-Mar-17	21-Mar-17	23-Mar-17	0%	0%	13						
MT3280	Installation T2-B15 and 4 pcs 1A,1B,1E,1F	2	12-Apr-17	13-Apr-17	12-Apr-17	13-Apr-17	0%	0%	13						
Welding and NDT for Bottom chords															
MT2730	Welding N04-B13	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	6						
MT2740	Welding B13-N03	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	6						
MT2750	Welding N03-B12	5	24-Feb-17	01-Mar-17	24-Feb-17	01-Mar-17	0%	0%	6						
MT2760	Welding B12-N02	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	6						
MT2770	NDT for bottom chord (main)	1	03-Mar-17	03-Mar-17	03-Mar-17	03-Mar-17	0%	0%	6						
Welding and NDT for Bottom chords window plates															
MT2810	Welding of window plate B12-4	4	10-Mar-17	14-Mar-17	10-Mar-17	14-Mar-17	0%	0%	6						
MT2820	Welding of window plate B12-5	4	13-Mar-17	16-Mar-17	13-Mar-17	16-Mar-17	0%	0%	6						
MT2830	Welding of window plate B12-1	4	15-Mar-17	18-Mar-17	15-Mar-17	18-Mar-17	0%	0%	6						
Welding and NDT for Bottom chord															
MT2870	NDT for bottom chord (window plate)	12	17-Mar-17	30-Mar-17	17-Mar-17	30-Mar-17	0%	0%	6						
MT2860	Welding B11-N01	5	22-Mar-17	27-Mar-17	22-Mar-17	27-Mar-17	0%	0%	6						
MT2850	Welding N02-B11	4	23-Mar-17	27-Mar-17	23-Mar-17	27-Mar-17	0%	0%	6						
MT2880	Survey check for bottom chord	1	28-Mar-17	28-Mar-17	28-Mar-17	28-Mar-17	0%	0%	6						
Welding and NDT for Main bracings															
MT3080	Welding D26-N01	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	39						
MT3110	Welding D22-N02	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	49						
MT3120	Welding D22-N06	5	24-Feb-17	01-Mar-17	24-Feb-17	01-Mar-17	0%	0%	49						

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017						
										Feb 17	Mar 18	Apr 19	May 20			
MT3030	Welding D25-N04	5	24-Feb-17	01-Mar-17	24-Feb-17	01-Mar-17	0%	0%	13							
MT3040	Welding D25-N08	5	24-Feb-17	01-Mar-17	24-Feb-17	01-Mar-17	0%	0%	13							
MT3070	Welding D23-N02	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	0%	0%	39							
MT3100	Welding D21-N01	5	25-Feb-17	02-Mar-17	25-Feb-17	02-Mar-17	0%	0%	47							
MT3050	Welding D24-N03	4	02-Mar-17	06-Mar-17	02-Mar-17	06-Mar-17	0%	0%	13							
MT3060	Welding D24-N08	5	02-Mar-17	07-Mar-17	02-Mar-17	07-Mar-17	0%	0%	13							
MT3130	NDT for bracing (main)	33	08-Mar-17	19-Apr-17	08-Mar-17	19-Apr-17	0%	0%	13							
MT3160	Welding D25-1A(O)	4	08-Mar-17	11-Mar-17	08-Mar-17	11-Mar-17	0%	0%	13							
MT3170	Welding D24-1C(I)	4	13-Mar-17	16-Mar-17	13-Mar-17	16-Mar-17	0%	0%	13							
MT3240	Welding of cover for T2-D25	4	23-Mar-17	27-Mar-17	23-Mar-17	27-Mar-17	0%	0%	13							
MT3090	Welding D21-N06	5	28-Mar-17	01-Apr-17	28-Mar-17	01-Apr-17	0%	0%	21							
Welding and NDT for Window plates																
MT3220	Welding D22-1A(O)	4	07-Mar-17	10-Mar-17	07-Mar-17	10-Mar-17	0%	0%	49							
MT3200	Welding D21-1C(I)	4	09-Mar-17	13-Mar-17	09-Mar-17	13-Mar-17	0%	0%	47							
MT3210	NDT for bracing (window plate)	4	13-Mar-17	16-Mar-17	13-Mar-17	16-Mar-17	0%	0%	47							
Welding and NDT for cover and shaped plates																
MT3260	Welding of TCB bolts and shaped plates for T2-D21	4	14-Mar-17	17-Mar-17	14-Mar-17	17-Mar-17	0%	0%	47							
MT3270	NDT for cover and shaped plates, T2-D22-1A	3	17-Mar-17	20-Mar-17	17-Mar-17	20-Mar-17	0%	0%	47							
Welding and NDT for Top Chords																
MT3370	Welding N07-B14	5	10-Mar-17	15-Mar-17	10-Mar-17	15-Mar-17	0%	0%	49							
MT3380	Welding B14-N06	5	10-Mar-17	15-Mar-17	10-Mar-17	15-Mar-17	0%	0%	49							
MT3390	Welding N06-N05	1	11-Mar-17	11-Mar-17	11-Mar-17	11-Mar-17	0%	0%	49							
MT3330	Welding N08-B15-1E/1F	5	19-Apr-17	24-Apr-17	19-Apr-17	24-Apr-17	0%	0%	13							
MT3360	Welding N07-B15-1A/1B	5	19-Apr-17	24-Apr-17	19-Apr-17	24-Apr-17	0%	0%	13							
MT3340	Welding B15-B15-1A/1B	4	25-Apr-17	28-Apr-17	25-Apr-17	28-Apr-17	0%	0%	13							
MT3350	Welding B15-B15-1E/1F	5	25-Apr-17	29-Apr-17	25-Apr-17	29-Apr-17	0%	0%	13							
MT3400	NDT for top chord (main)	7	25-Apr-17	04-May-17	25-Apr-17	04-May-17	0%	0%	14							
Completion of T2 Installation																
MT3410	Survey check for overall truss T2	2	21-Mar-17	22-Mar-17	21-Mar-17	22-Mar-17	0%	0%	47							
RC Works CJ2 to +23.7mPD (Bottom Chord)																
A47240	Rebar Fixing CJ2 @GL M-K	8	01-Apr-17	11-Apr-17	01-Apr-17	11-Apr-17	0%	0%	13							
A47250	Formworks CJ2 @GL M-K	1	12-Apr-17	12-Apr-17	12-Apr-17	12-Apr-17	0%	0%	13							
A47280	Rebar Fixing CJ2 @GL K-H	9	12-Apr-17	25-Apr-17	12-Apr-17	25-Apr-17	0%	0%	13							
A47260	Concreting CJ2 @GL M-K	1	13-Apr-17	13-Apr-17	13-Apr-17	13-Apr-17	0%	0%	13							
A47270	Concrete Curing CJ2 @GL M-K	7	14-Apr-17	20-Apr-17	14-Apr-17	20-Apr-17	0%	0%	21							
A47290	Formworks CJ2 @GL K-H	2	26-Apr-17	27-Apr-17	26-Apr-17	27-Apr-17	0%	0%	13							
A47320	Rebar Fixing CJ2 @GL H-E	10	26-Apr-17	09-May-17	26-Apr-17	09-May-17	0%	0%	13							
A47300	Concreting CJ2 @GL K-H	1	28-Apr-17	28-Apr-17	28-Apr-17	28-Apr-17	0%	0%	13							
A47310	Concrete Curing CJ2 @GL K-H	7	29-Apr-17	05-May-17	29-Apr-17	05-May-17	0%	0%	18							
A47360	Formworks CJ2 @GL H-E	1	10-May-17	10-May-17	10-May-17	10-May-17	0%	0%	13							
A47380	Concreting CJ2 @GL H-E	1	11-May-17	11-May-17	11-May-17	11-May-17	0%	0%	13							
A47390	Concrete Curing CJ2 @GL H-E	6	12-May-17	17-May-17	12-May-17	17-May-17	0%	0%	15							
RC Works to CJ3 to +29.3mPD (7 nos. of Bracing)																
A47400	Rebar Fixing CJ3 @GL K-H	5	06-May-17	11-May-17	06-May-17	11-May-17	0%	0%	15							
A47410	Formworks CJ3 @GL K-H	2	12-May-17	13-May-17	12-May-17	13-May-17	0%	0%	15							
A47420	Concreting CJ3 @GL K-H	1	15-May-17	15-May-17	15-May-17	15-May-17	0%	0%	15							
A47430	CJ3 @GL K-H Concrete Curing	7	16-May-17	22-May-17	16-May-17	22-May-17	0%	0%	18							
A47440	Rebar Fixing CJ3 @GL H-E	4	18-May-17	22-May-17	18-May-17	22-May-17	0%	0%	12							
A47450	Formworks CJ3 @GL H-E	1	23-May-17	23-May-17	23-May-17	23-May-17	0%	0%	12							
A47540	Rebar Fixing CJ3 @GL M-K	5	23-May-17	27-May-17	23-May-17	27-May-17	0%	0%	12							
RC Works to CJ4 to 34.75mPD (7 nos. of Bracing)																
A47960	Rebar Fixing CJ4 @GL K-H	5	23-May-17	27-May-17	23-May-17	27-May-17	0%	0%	15							
Site Construction of Truss 3																
A12360	Commencement of Truss 3 Construction	0	24-Feb-17		24-Feb-17		0%	0%	5							
A12430	Commencement of Truss 3 Steel Works Erection	0	04-Mar-17		04-Mar-17		0%	0%	16							
A12960	T3 Steel Truss Erection (LoE)	65	04-Mar-17	25-May-17	04-Mar-17	25-May-17	0%	0%	13							
A13190	T3 Steel Truss Concrete Encasement (LoE)	63	08-May-17	21-Jul-17	08-May-17	21-Jul-17	0%	0%	13							
RC Works for CJ1 to +20.45mPD (Prior to Bottom Chord Erection)																
A12580	Formworks T3 Bottom 450mm CJ1 (+20.45 mPD)	6	24-Feb-17	02-Mar-17	13-Feb-17	17-Feb-17 A	0%	100%	16							
A12680	Rebar Fixing T3 Bottom 450mm CJ1 (+20.45 mPD)	3	03-Mar-17	06-Mar-17	18-Feb-17	24-Feb-17 A	0%	100%	13							
A12760	Concreting CJ1	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17	0%	0%	13							
A12850	Concrete curing CJ1	7	25-Feb-17	03-Mar-17	25-Feb-17	03-Mar-17	0%	0%	15							
T3 Steel Erection (incl. Modular Towers & Working Platform)																
Temporary Supports & Modular Towers																
MT3470	Complete Truss 3 Bottom 450mm Bedding (RC strength reach 45MPa)	0		03-Mar-17		03-Mar-17	0%	0%	13							
MT3480	Temporary support of bottom chord	6	04-Mar-17	10-Mar-17	04-Mar-17	10-Mar-17	0%	0%	13							
MT3760	Installation of temporary support towers (G12)	5	20-Mar-17	24-Mar-17	20-Mar-17	24-Mar-17	0%	0%	13							
MT3790	Installation of temporary support towers (G11)	1	28-Mar-17	28-Mar-17	28-Mar-17	28-Mar-17	0%	0%	13							
MT3820	Installation of temporary support towers (G10)	1	06-Apr-17	06-Apr-17	06-Apr-17	06-Apr-17	0%	0%	13							
MT3880	Installation of temporary support towers (G8 & G9)	1	18-Apr-17	18-Apr-17	18-Apr-17	18-Apr-17	0%	0%	13							
Installation of Bottom Chords, Bracings & Top Chords																
MT3490	Installation T3-B11	1	11-Mar-17	11-Mar-17	11-Mar-17	11-Mar-17	0%	0%	13							
MT3500	Installation T3-N02	1	13-Mar-17	13-Mar-17	13-Mar-17	13-Mar-17	0%	0%	13							
MT3510	Installation T3-B12	1	14-Mar-17	14-Mar-17	14-Mar-17	14-Mar-17	0%	0%	13							
MT3520	Installation T3-N03	1	15-Mar-17	15-Mar-17	15-Mar-17	15-Mar-17	0%	0%	13							
MT3530	Installation T3-B13	1	16-Mar-17	16-Mar-17	16-Mar-17	16-Mar-17	0%	0%	13							
MT3540	Installation T3-B14	1	17-Mar-17	17-Mar-17	17-Mar-17	17-Mar-17	0%	0%	13							
MT3550	Installation T3-N04	1	18-Mar-17	18-Mar-17	18-Mar-17	18-Mar-17	0%	0%	13							
MT3770	Installation T3-D27	1	25-Mar-17	25-Mar-17	25-Mar-17	25-Mar-17	0%	0%	13							
MT3780	Installation T3-N08	1	27-Mar-17	27-Mar-17	27-Mar-17	27-Mar-17	0%	0%	13							



Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
MT3640	Installation window plate B14-N04	1	29-Mar-17	29-Mar-17	29-Mar-17	29-Mar-17	0%	0%	13					
MT3650	Installation window plate B13-B14	1	30-Mar-17	30-Mar-17	30-Mar-17	30-Mar-17	0%	0%	13					
MT3660	Installation window plate N03-B13	1	31-Mar-17	31-Mar-17	31-Mar-17	31-Mar-17	0%	0%	13					
MT3670	Installation window plate B12-N03	1	01-Apr-17	01-Apr-17	01-Apr-17	01-Apr-17	0%	0%	13					
MT3680	Installation window plates N02-B12	1	03-Apr-17	03-Apr-17	03-Apr-17	03-Apr-17	0%	0%	13					
MT3800	Installation T3-D26	1	03-Apr-17	03-Apr-17	03-Apr-17	03-Apr-17	0%	0%	13					
MT3810	Installation T3-D25	1	05-Apr-17	05-Apr-17	05-Apr-17	05-Apr-17	0%	0%	13					
MT3830	Installation T3-N07	1	07-Apr-17	07-Apr-17	07-Apr-17	07-Apr-17	0%	0%	13					
MT3840	Installation T3-B18	1	10-Apr-17	10-Apr-17	10-Apr-17	10-Apr-17	0%	0%	13					
MT3860	Installation T3-D23	1	12-Apr-17	12-Apr-17	12-Apr-17	12-Apr-17	0%	0%	13					
MT3870	Installation T3-D24	1	13-Apr-17	13-Apr-17	13-Apr-17	13-Apr-17	0%	0%	13					
MT3890	Installation T3-N06	1	19-Apr-17	19-Apr-17	19-Apr-17	19-Apr-17	0%	0%	13					
MT3910	Installation T3-D21	1	21-Apr-17	21-Apr-17	21-Apr-17	21-Apr-17	0%	0%	13					
MT3920	Installation T3-D22	1	22-Apr-17	22-Apr-17	22-Apr-17	22-Apr-17	0%	0%	13					
MT3930	Installation T3-N05	1	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17	0%	0%	13					
Top Chords & Bracing Windows Plates														
MT4180	Installation window plate D27-N04	1	08-Apr-17	08-Apr-17	08-Apr-17	08-Apr-17	0%	0%	13					
MT4190	Installation window plate D27-N08	1	10-Apr-17	10-Apr-17	10-Apr-17	10-Apr-17	0%	0%	13					
MT3850	Installation T3-B17	1	11-Apr-17	11-Apr-17	11-Apr-17	11-Apr-17	0%	0%	13					
MT3900	Installation T3-B16	1	20-Apr-17	20-Apr-17	20-Apr-17	20-Apr-17	0%	0%	13					
MT3940	Installation T3-B15	1	25-Apr-17	25-Apr-17	25-Apr-17	25-Apr-17	0%	0%	13					
MT4200	Installation window plate B18-N08	1	29-Apr-17	29-Apr-17	29-Apr-17	29-Apr-17	0%	0%	13					
MT4210	Installation window plate B17-B18	1	02-May-17	02-May-17	02-May-17	02-May-17	0%	0%	13					
MT4220	Installation window plate N07-B17	1	04-May-17	04-May-17	04-May-17	04-May-17	0%	0%	13					
MT4230	Installation window plate B16-N07	1	06-May-17	06-May-17	06-May-17	06-May-17	0%	0%	13					
MT4240	Installation window plate N06-B16	1	09-May-17	09-May-17	09-May-17	09-May-17	0%	0%	13					
MT4250	Installation window plate B15-N06	1	11-May-17	11-May-17	11-May-17	11-May-17	0%	0%	13					
MT4260	Installation window plate B15-N05	1	16-May-17	16-May-17	16-May-17	16-May-17	0%	0%	13					
MT4370	Installation of TCB bolts and shaped plates for T3-D26	8	17-May-17	25-May-17	17-May-17	25-May-17	0%	0%	13					
Welding and NDT of bottom Chords														
MT3560	Welding B12-N03	5	20-Mar-17	24-Mar-17	20-Mar-17	24-Mar-17	0%	0%	13					
MT3570	Welding N03-B13	5	20-Mar-17	24-Mar-17	20-Mar-17	24-Mar-17	0%	0%	13					
MT3580	Welding B13-B14	5	20-Mar-17	24-Mar-17	20-Mar-17	24-Mar-17	0%	0%	13					
MT3590	Welding B14-N04	5	20-Mar-17	24-Mar-17	20-Mar-17	24-Mar-17	0%	0%	13					
MT3600	Welding N02-B12	4	24-Mar-17	28-Mar-17	24-Mar-17	28-Mar-17	0%	0%	13					
MT3610	Welding N01-B11	4	25-Mar-17	29-Mar-17	25-Mar-17	29-Mar-17	0%	0%	13					
MT3620	Welding B11-N02	4	25-Mar-17	29-Mar-17	25-Mar-17	29-Mar-17	0%	0%	13					
MT3630	NDT for bottom chord (main)	5	28-Mar-17	01-Apr-17	28-Mar-17	01-Apr-17	0%	0%	13					
Welding and NDT of window plates														
MT3690	Welding of window plates B14-N04	8	30-Mar-17	08-Apr-17	30-Mar-17	08-Apr-17	0%	0%	13					
MT3700	Welding of window plates B13-B14	8	31-Mar-17	10-Apr-17	31-Mar-17	10-Apr-17	0%	0%	13					
MT3710	Welding of window plates N03-B13	8	01-Apr-17	11-Apr-17	01-Apr-17	11-Apr-17	0%	0%	13					
MT3720	Welding of window plates B12-N03	8	03-Apr-17	12-Apr-17	03-Apr-17	12-Apr-17	0%	0%	13					
MT3730	Welding of window plates N02-B12	8	05-Apr-17	13-Apr-17	05-Apr-17	13-Apr-17	0%	0%	13					
MT3740	NDT for bottom chord (window plate)	5	12-Apr-17	20-Apr-17	12-Apr-17	20-Apr-17	0%	0%	13					
MT3750	Survey check for bottom chord	1	18-Apr-17	18-Apr-17	18-Apr-17	18-Apr-17	0%	0%	13					
Welding and NDT of Main Bracings														
MT3950	Welding N08-N09	4	28-Mar-17	31-Mar-17	28-Mar-17	31-Mar-17	0%	0%	13					
MT3960	Welding D27-N08	5	29-Mar-17	03-Apr-17	29-Mar-17	03-Apr-17	0%	0%	13					
MT3970	Welding D27-N04	4	29-Mar-17	01-Apr-17	29-Mar-17	01-Apr-17	0%	0%	13					
MT4170	NDT for bracing (main)	31	03-Apr-17	15-May-17	03-Apr-17	15-May-17	0%	0%	13					
MT3980	Welding D26-N04	4	11-Apr-17	18-Apr-17	11-Apr-17	18-Apr-17	0%	0%	13					
MT3990	Welding D26-N07	4	12-Apr-17	19-Apr-17	12-Apr-17	19-Apr-17	0%	0%	13					
MT4000	Welding N08-B18	4	13-Apr-17	20-Apr-17	13-Apr-17	20-Apr-17	0%	0%	13					
MT4010	Welding D25-N03	4	13-Apr-17	20-Apr-17	13-Apr-17	20-Apr-17	0%	0%	13					
MT4020	Welding N07-B17	4	19-Apr-17	22-Apr-17	19-Apr-17	22-Apr-17	0%	0%	13					
MT4030	Welding D25-N07	4	20-Apr-17	24-Apr-17	20-Apr-17	24-Apr-17	0%	0%	13					
MT4040	Welding B17-B18	4	21-Apr-17	25-Apr-17	21-Apr-17	25-Apr-17	0%	0%	13					
MT4060	Welding D24-N03	4	22-Apr-17	26-Apr-17	22-Apr-17	26-Apr-17	0%	0%	13					
MT4070	Welding D23-N06	4	24-Apr-17	27-Apr-17	24-Apr-17	27-Apr-17	0%	0%	13					
MT4080	Welding N07-B16	4	25-Apr-17	28-Apr-17	25-Apr-17	28-Apr-17	0%	0%	13					
MT4050	Welding D23-N02	4	26-Apr-17	29-Apr-17	26-Apr-17	29-Apr-17	0%	0%	13					
MT4090	Welding N06-B16	5	26-Apr-17	02-May-17	26-Apr-17	02-May-17	0%	0%	13					
MT4110	Welding D24-N06	4	28-Apr-17	04-May-17	28-Apr-17	04-May-17	0%	0%	13					
MT4120	Welding B15-N06	4	29-Apr-17	05-May-17	29-Apr-17	05-May-17	0%	0%	13					
MT4100	Welding D22-N02	4	02-May-17	06-May-17	02-May-17	06-May-17	0%	0%	13					
MT4140	Welding D21-N01	4	04-May-17	08-May-17	04-May-17	08-May-17	0%	0%	13					
MT4150	Welding D21-N05	4	05-May-17	09-May-17	05-May-17	09-May-17	0%	0%	13					
MT4130	Welding D22-N05	5	06-May-17	11-May-17	06-May-17	11-May-17	0%	0%	13					
MT4160	Welding B15-N05	4	08-May-17	11-May-17	08-May-17	11-May-17	0%	0%	13					
MT4380	Welding of TCB bolts and shaped plates for T3-D26	8	18-May-17	26-May-17	18-May-17	26-May-17	0%	0%	13					
Welding and NDT of top Chords														
MT4270	Welding window plates D27-N04	8	10-Apr-17	21-Apr-17	10-Apr-17	21-Apr-17	0%	0%	13					
MT4280	Welding window plates D27-N08	8	11-Apr-17	22-Apr-17	11-Apr-17	22-Apr-17	0%	0%	13					
MT4360	NDT for bracing and top chord (window plate)	29	22-Apr-17	27-May-17	22-Apr-17	27-May-17	0%	0%	13					
MT4290	Welding window plates B18-N08	8	28-Apr-17	09-May-17	28-Apr-17	09-May-17	0%	0%	13					
MT4300	Welding window plates B17-B18	8	08-May-17	16-May-17	08-May-17	16-May-17	0%	0%	13					
MT4310	Welding window plates N07-B17	8	10-May-17	18-May-17	10-May-17	18-May-17	0%	0%	13					
MT4320	Welding window plates B16-N07	8	10-May-17	18-May-17	10-May-17	18-May-17	0%	0%	13					
MT4330	Welding window plates N06-B16	8	11-May-17	19-May-17	11-May-17	19-May-17	0%	0%	13					

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017					
										Feb 17	Mar 18	Apr 19	May 20		
MT4340	Welding window plates B15-N06	8	17-May-17	25-May-17	17-May-17	25-May-17	0%	0%	13					MT4340	
MT4350	Welding window plates B15-N05	8	17-May-17	25-May-17	17-May-17	25-May-17	0%	0%	13					MT4350	
RC Works CJ2 to +23.7mPD (Bottom Chord)															
A13210	Rebar Fixing CJ2 @GL H-F	9	08-May-17	17-May-17	08-May-17	17-May-17	0%	0%	13					A13210	
A13260	Formworks CJ2 @GL H-F	1	18-May-17	18-May-17	18-May-17	18-May-17	0%	0%	13					A13260	
A13500	Rebar Fixing CJ2 @GL F-E	9	18-May-17	27-May-17	18-May-17	27-May-17	0%	0%	13					A13500	
A13330	Concreting CJ2 @GL H-F	1	19-May-17	19-May-17	19-May-17	19-May-17	0%	0%	13					A13330	
A13430	Concrete Curing CJ2 @GL H-F	7	20-May-17	26-May-17	20-May-17	26-May-17	0%	0%	17					A13430	
Site Construction of Truss 4															
A15430	Commencement of Truss 4 Construction	0	24-Feb-17		24-Feb-17		0%	0%	5					A15430	
A15440	Commencement of Truss 4 Steel Works Erection	0	13-Mar-17		13-Mar-17		0%	0%	5					A15440	
A15490	T4 Steel Truss Erection (LoE)	65	13-Mar-17	05-Jun-17	13-Mar-17	05-Jun-17	0%	0%	5						
A15510	T4 Steel Truss Concrete Encasement (LoE)	64	16-May-17	01-Aug-17	16-May-17	01-Aug-17	0%	0%	4						
RC Works for CJ1 to +20.45mPD (Prior to Bottom Chord Erection)															
A15450	Formworks T4 Bottom 450mm CJ1 (+20.45 mPD)	6	24-Feb-17	02-Mar-17	23-Feb-17	01-Mar-17	0%	20%	5					A15450, A15450	
A15460	Rebar Fixing T4 Bottom 450mm CJ1 (+20.45 mPD)	3	01-Mar-17	04-Mar-17	01-Mar-17	04-Mar-17	0%	0%	5					A15460	
A15470	Concreting CJ1	1	04-Mar-17	06-Mar-17	04-Mar-17	06-Mar-17	0%	0%	5					A15470	
A15480	Concrete curing CJ1	7	06-Mar-17	13-Mar-17	06-Mar-17	13-Mar-17	0%	0%	5					A15480	
T4 Steel Erection (incl. Modular Towers & Working Platform)															
Temporary Supports & Modular Towers															
MT4500	Complete Truss 4 Bottom 450mm Bedding (RC strength reach 45MPa)	0		13-Mar-17		13-Mar-17	0%	0%	5					MT4500	
MT4510	Temporary support of bottom chord	2	13-Mar-17	15-Mar-17	13-Mar-17	15-Mar-17	0%	0%	5					MT4510	
MT4660	Installation of temporary support towers	3	18-Mar-17	22-Mar-17	18-Mar-17	22-Mar-17	0%	0%	5					MT4660	
MT4670	Installation of temporary support towers	2	24-Mar-17	27-Mar-17	24-Mar-17	27-Mar-17	0%	0%	5					MT4670	
MT4690	Installation of temporary support towers	1	19-Apr-17	20-Apr-17	19-Apr-17	20-Apr-17	0%	0%	5					MT4690	
MT4750	Installation of temporary support towers	1	26-Apr-17	27-Apr-17	26-Apr-17	27-Apr-17	0%	0%	5					MT4750	
MT4780	Installation of temporary support towers	1	08-May-17	09-May-17	08-May-17	09-May-17	0%	0%	5					MT4780	
MT4810	Installation of temporary support towers	1	11-May-17	12-May-17	11-May-17	12-May-17	0%	0%	5					MT4810	
Installation of Bottom Chords, Bracings & Top Chords															
MT4520	Installation T4-B13	1	15-Mar-17	16-Mar-17	15-Mar-17	16-Mar-17	0%	0%	5					MT4520	
MT4530	Installation T4-N04	1	16-Mar-17	17-Mar-17	16-Mar-17	17-Mar-17	0%	0%	5					MT4530	
MT4540	Installation T4-B12	1	17-Mar-17	18-Mar-17	17-Mar-17	18-Mar-17	0%	0%	5					MT4540	
MT4550	Installation T4-N03	1	20-Mar-17	21-Mar-17	20-Mar-17	21-Mar-17	0%	0%	5					MT4550	
MT4560	Installation T4-B11	1	24-Mar-17	25-Mar-17	24-Mar-17	25-Mar-17	0%	0%	5					MT4560	
MT4570	Installation T4-N02	1	25-Mar-17	27-Mar-17	25-Mar-17	27-Mar-17	0%	0%	5					MT4570	
MT4680	Installation T4-D27	1	18-Apr-17	19-Apr-17	18-Apr-17	19-Apr-17	0%	0%	5					MT4680	
MT4700	Installation T4-N09	1	21-Apr-17	22-Apr-17	21-Apr-17	22-Apr-17	0%	0%	5					MT4700	
MT4720	Installation T4-D26	1	22-Apr-17	24-Apr-17	22-Apr-17	24-Apr-17	0%	0%	5					MT4720	
MT4730	Installation T4-D25	1	24-Apr-17	25-Apr-17	24-Apr-17	25-Apr-17	0%	0%	5					MT4730	
MT4740	Installation T4-D24	1	25-Apr-17	26-Apr-17	25-Apr-17	26-Apr-17	0%	0%	5					MT4740	
MT4760	Installation T4-N08	1	27-Apr-17	28-Apr-17	27-Apr-17	28-Apr-17	0%	0%	5					MT4760	
MT4770	Installation T4-D23	1	06-May-17	08-May-17	06-May-17	08-May-17	0%	0%	5					MT4770	
MT4800	Installation T4-N06	1	10-May-17	11-May-17	10-May-17	11-May-17	0%	0%	5					MT4800	
MT4820	Installation T4-D21	1	12-May-17	13-May-17	12-May-17	13-May-17	0%	0%	5					MT4820	
MT4830	Installation T4-D22	1	13-May-17	15-May-17	13-May-17	15-May-17	0%	0%	5					MT4830	
Top Chords & Bracing Windows Plates															
MT4710	Installation T4-B15 (Part 1&2)	2	28-Apr-17	02-May-17	28-Apr-17	02-May-17	0%	0%	5					MT4710	
MT4790	Installation T4-B14	1	09-May-17	10-May-17	09-May-17	10-May-17	0%	0%	5					MT4790	
MT4840	Installation T4-N07	1	13-May-17	15-May-17	13-May-17	15-May-17	0%	0%	5					MT4840	
Welding and NDT of bottom Chords															
MT4580	Welding N05-B13	4	29-Mar-17	03-Apr-17	29-Mar-17	03-Apr-17	0%	0%	5					MT4580	
MT4640	NDT for bottom chord (main)	24	06-Apr-17	10-May-17	06-Apr-17	10-May-17	0%	0%	5					MT4640	
MT4590	Welding N04-B13	4	08-Apr-17	13-Apr-17	08-Apr-17	13-Apr-17	0%	0%	5					MT4590	
MT4600	Welding N04-B12	4	10-Apr-17	18-Apr-17	10-Apr-17	18-Apr-17	0%	0%	5					MT4600	
MT4610	Welding N03-B12	4	13-Apr-17	21-Apr-17	13-Apr-17	21-Apr-17	0%	0%	5					MT4610	
MT4620	Welding B11-N03	4	27-Apr-17	04-May-17	27-Apr-17	04-May-17	0%	0%	5					MT4620	
MT4630	Welding B11-N02	4	29-Apr-17	06-May-17	29-Apr-17	06-May-17	0%	0%	5					MT4630	
MT4650	Survey check for bottom chord	1	06-May-17	08-May-17	06-May-17	08-May-17	0%	0%	5					MT4650	
Welding and NDT of main Bracings and Top Chords															
MT5000	Welding N05-N09	4	04-May-17	09-May-17	04-May-17	09-May-17	0%	0%	5					MT5000	
MT4850	Welding D24-N03	4	05-May-17	10-May-17	05-May-17	10-May-17	0%	0%	5					MT4850	
MT4920	Welding D26-N08	5	06-May-17	12-May-17	06-May-17	12-May-17	0%	0%	5					MT4920	
MT5010	Welding D26-N04	4	09-May-17	13-May-17	09-May-17	13-May-17	0%	0%	5					MT5010	
MT4860	Welding N06-N02	5	10-May-17	16-May-17	10-May-17	16-May-17	0%	0%	5					MT4860	
MT5090	NDT for bracing and top chord (main)	20	11-May-17	05-Jun-17	11-May-17	05-Jun-17	0%	0%	5					MT5090	
MT4930	Welding N08-D25	4	12-May-17	17-May-17	12-May-17	17-May-17	0%	0%	5					MT4930	
MT5020	Welding D27-N04	4	12-May-17	17-May-17	12-May-17	17-May-17	0%	0%	5					MT5020	
MT4870	Welding D23-N03	4	15-May-17	19-May-17	15-May-17	19-May-17	0%	0%	5					MT4870	
MT4940	Welding D24-N08	4	16-May-17	20-May-17	16-May-17	20-May-17	0%	0%	5					MT4940	
MT5030	Welding B15-D27	3	17-May-17	20-May-17	17-May-17	20-May-17	0%	0%	5					MT5030	
MT5040	Welding N09-D27	4	18-May-17	23-May-17	18-May-17	23-May-17	0%	0%	5					MT5040	
MT4880	Welding D22-B11	4	19-May-17	24-May-17	19-May-17	24-May-17	0%	0%	5					MT4880	
MT5050	Welding N09-B15	5	19-May-17	25-May-17	19-May-17	25-May-17	0%	0%	5					MT5050	
MT4950	Welding N08-B15	4	20-May-17	25-May-17	20-May-17	25-May-17	0%	0%	5					MT4950	
MT4890	Welding D21-N02	4	22-May-17	26-May-17	22-May-17	26-May-17	0%	0%	5					MT4890	
MT4900	Welding B14-N08	5	23-May-17	29-May-17	23-May-17	29-May-17	0%	0%	5					MT4900	
MT5060	Welding B15-1-B15-2	4	23-May-17	27-May-17	23-May-17	27-May-17	0%	0%	5					MT5060	
RC Works CJ2 to +23.7mPD (Bottom Chord)															
A15540	Rebar Fixing CJ2 @GL F-D	9	16-May-17	26-May-17	16-May-17	26-May-17	0%	0%	5					A15540	

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017					
										Feb 17	Mar 18	Apr 19	May 20		
Tower Structure - West Core Wall (Non-deferred Zone M) @ GL 7-8/A-E															
A42960	4F-5F Wall, Column & 5F slab (GL 7-8/A-E)	14	10-Jun-17	26-Jun-17	10-Jun-17	26-Jun-17	0%	0%	-24					A42960	
M+ Podium & Tower FACADE Preliminaries															
VMU DESIGN SUBMISSION															
VMU - L3 Storefront															
A51160	6th Shopdrawing Submission	18	24-Feb-17	13-Mar-17	24-Feb-17	13-Mar-17	100%	0%	-69						
A51170	6th Shopdrawing Submission - Review & Approval	21	14-Mar-17	03-Apr-17	14-Mar-17	03-Apr-17	100%	0%	-69						
VMU SAMPLE SUBMISSION & APPROVALS															
Visual Mock Up															
Tower Facade PC+CW-VMU															
A18510	Production of Terracotta for Tower VMU	48	24-Feb-17	25-Apr-17	24-Feb-17	25-Apr-17	100%	0%	-53						
A18520	Delivery of Terracotta to precast Factory from Italy (by air) VMU 01	9	26-Apr-17	08-May-17	26-Apr-17	08-May-17	55.56%	0%	-53		A18520				
A18530	Precast Delivery Panel Concreting	10	09-May-17	19-May-17	09-May-17	19-May-17	0%	0%	-53			A18530			
A18540	Delivery of Precast to Inspection Area (in Factory)	1	20-May-17	20-May-17	20-May-17	20-May-17	0%	0%	-53			A18540			
A18550	Installation of Mock Up, Inspection & Approval of VMU-Tower (in Factory)	5	22-May-17	26-May-17	22-May-17	26-May-17	0%	0%	-53			A18550			
Concrete Shell - VMU															
Podium Facade -VMU															
A18560	Production of Terracotta for Podium VMU	54	24-Feb-17	04-May-17	24-Feb-17	04-May-17	98.15%	0%	-53						
A18570	Delivery of Terracotta to precast Factory from Italy (by air) VMU 02	9	05-May-17	15-May-17	05-May-17	15-May-17	0%	0%	-53		A18570				
A18580	Production of Precast Panel & Delivery	32	16-May-17	22-Jun-17	16-May-17	22-Jun-17	0%	0%	-53			A18580			
A18590	Installation of Visual Mock Up	3	23-Jun-17	26-Jun-17	23-Jun-17	26-Jun-17	0%	0%	-53				A18590		
A18600	Inspection & Approval of VMU - Podium Facade	3	27-Jun-17	29-Jun-17	27-Jun-17	29-Jun-17	0%	0%	-53				A18600		
GF Ceramic Cladding, GW with Ceramic Mullion - VMU															
A18610	Aluminium Perforated Panel Fabrication	27	24-Feb-17	27-Mar-17	24-Feb-17	27-Mar-17	100%	0%	-53						
A18620	Production of Terracotta	20	24-Feb-17	18-Mar-17	24-Feb-17	18-Mar-17	100%	0%	-53						
A18630	Delivery of Terracotta to Precast Factory from Italy (by air) VMU 03	9	20-Mar-17	29-Mar-17	20-Mar-17	29-Mar-17	100%	0%	-53						
A18640	Casting Ceramic Mullion	7	30-Mar-17	07-Apr-17	30-Mar-17	07-Apr-17	100%	0%	-53						
A18650	Delivery and Installation of Ceramic Mullion & Tube Mock Up	7	08-Apr-17	19-Apr-17	08-Apr-17	19-Apr-17	100%	0%	-53		A18650				
A18660	Glazing & Sealant Application	2	20-Apr-17	21-Apr-17	20-Apr-17	21-Apr-17	100%	0%	-53		A18660				
A18670	Inspection & Approval of Visual Mock Up	3	22-Apr-17	25-Apr-17	22-Apr-17	25-Apr-17	100%	0%	-53		A18670				
Hybrid with GW - VMU															
T Mullion with GW -VMU															
A18690	Glass Door Frame Fabrication	40	24-Feb-17	12-Apr-17	24-Feb-17	12-Apr-17	100%	0%	-53						
A18700	Installation of Glass Dorr	3	13-Apr-17	19-Apr-17	13-Apr-17	19-Apr-17	100%	0%	-53		A18700				
A18710	Inspection & Approval of VMU	7	20-Apr-17	27-Apr-17	20-Apr-17	27-Apr-17	100%	0%	-53		A18710				
Garden Gallery -VMU															
A18720	Production of Terracotta	54	24-Feb-17	04-May-17	24-Feb-17	04-May-17	98.15%	0%	-53						
A18730	Delivery of Terracotta to Site from Italy (by air) VMU 08	9	05-May-17	15-May-17	05-May-17	15-May-17	0%	0%	-53		A18730				
A18740	Installation of Terracotta Mock Up	5	16-May-17	20-May-17	16-May-17	20-May-17	0%	0%	-53			A18740			
EMBED SHOPDRAWINGS SUBMISSION															
EMBED - B1 Glass Wall with T Mullion															
A51470	4th Shopdrawing Submission - Review & Approval	14	24-Feb-17	09-Mar-17	20-Jan-17	28-Feb-17	100%	65%	-59						
A51480	5th Shopdrawing Submission	14	28-Feb-17	14-Mar-17	28-Feb-17	14-Mar-17	100%	0%	-59						
A51490	5th Shopdrawing Submission - Review & Approval	14	14-Mar-17	28-Mar-17	14-Mar-17	28-Mar-17	100%	0%	-59						
SHOP DRAWING SUBMISSIONS FACADE SYSTEM & EMBEDS															
SHOP DRAWING - Tower Facade Panel															
A51230	Concept - 3rd Shopdrawing Submission - Review & Approval	14	24-Feb-17	09-Mar-17	02-Jan-17	07-Mar-17	100%	21%	-66						
SHOP DRAWING - Podium Facade Panel															
A51250	Concept - 2nd Shopdrawing Submission - Review & Approval	14	24-Feb-17	09-Mar-17	21-Jan-17	07-Mar-17	100%	21%	-66						
SHOP DRAWING - Glass Wall with T Mullion															
A51280	Concept - 2nd Shopdrawing Submission - Review & Approval	21	24-Feb-17	16-Mar-17	25-Jan-17	06-Mar-17	100%	48%	-45						
SHOP DWG - Glass Wall with Ceramic/Precast Concrete Mullion, Ceramic Concrete Tube & Perforated Clada															
A51310	Concept - 1st Shopdrawing Submission - Review & Approval	21	24-Feb-17	16-Mar-17	21-Dec-16	06-Mar-17	100%	48%	-45						
SHOP DRAWING - Strip Glazing at Skylight Gallery															
A51330	Concept - 2nd Shopdrawing Submission - Review & Approval	21	24-Feb-17	16-Mar-17	30-Dec-16	06-Mar-17	100%	48%	-56						
SHOP DRAWING - Plaza Skylight at L3															
A51350	Concept - 2nd Shopdrawing Submission - Review & Approval	21	24-Feb-17	16-Mar-17	17-Dec-16	06-Mar-17	100%	48%	-56						
SHOP DRAWING - L3 Storefront															
A51370	Concept - 3rd Shopdrawing Submission - Review & Approval	21	24-Feb-17	16-Mar-17	14-Dec-16	06-Mar-17	100%	48%	-58						
SHOP DRAWING - Garden Gallery Ceramic Cladding															
A51390	Concept - 2nd Shopdrawing Submission - Review & Approval	21	24-Feb-17	16-Mar-17	26-Jan-17	06-Mar-17	100%	48%	-53						
SHOP DRAWING - Metal Cladding FAC-LV-01a/FAC-LV-01b (Additional Scope)															
A51400	1st Shopdrawing Submission	32	24-Feb-17	27-Mar-17	24-Feb-17	27-Mar-17	100%	0%	-69						
A51410	1st Shopdrawing Submission - Review & Approval	21	28-Mar-17	17-Apr-17	28-Mar-17	17-Apr-17	100%	0%	-69						
A51420	2nd Shopdrawing Submission	14	18-Apr-17	01-May-17	18-Apr-17	01-May-17	100%	0%	-69		A51420				
A51430	2nd Shopdrawing Submission - Review & Approval	21	02-May-17	22-May-17	02-May-17	22-May-17	9.52%	0%	-69			A51430			
SHOP DRAWING - Tower Facade Lighting															
A51450	Concept - 3rd Shopdrawing Submission - Review & Approval	31	30-Nov-16	30-Dec-16	30-Nov-16	09-Mar-17	100%	55%	-69						
SHOP DRAWING - Tower Facade Lighting, Electrical Works															
A39330	Concept - 1st Shopdrawing Submission - Review & Approval	49	12-Nov-16	30-Dec-16	26-Nov-16	06-Mar-17	100%	78%	-66						
BD SUBMISSIONS FACADE SYSTEM & EMBEDS															
BD Submission - L3 Storefront System & Embed															
A51530	2nd Submission - Review & Approval by MJV (w/ RSE Endorsement)	14	24-Feb-17	09-Mar-17	22-Dec-16	05-Mar-17	100%	30%	-58						
A51540	L3 Storefront Embeds - Submission to BD	0		06-Mar-17		06-Mar-17	100%	0%	-45						
A51550	L3 Storefront Embeds - BD Approval	60	06-Mar-17	05-May-17	06-Mar-17	05-May-17	75%	0%	-56						
A51560	L3 Storefront Embeds - Concent	30	05-May-17	04-Jun-17	05-May-17	04-Jun-17	0%	0%	-56			A51560			
BD Submission - Tower Precast Facade System & Embed															
A51620	Tower Precast Facade Embeds - BD Approval	60	17-Mar-17	15-May-17	11-Nov-16	06-Jan-17 A	80%	100%	61						
A51630	Tower Precast Facade Embeds - Concent	30	16-May-17	14-Jun-17	07-Jan-17	30-Jan-17 A	0%	100%	67						
BD Submission - Podium Precast Facade System & Embed															
A51690	Podium Precast Facade Embeds - BD Approval	60	10-Mar-17	08-May-17	11-Nov-16	06-Jan-17 A	80%	100%	61						
A51700	Podium Precast Facade Embeds - Concent	30	09-May-17	07-Jun-17	07-Jan-17	30-Jan-17 A	0%	100%	67						

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
BD Submission - Garden Gallery Ceramic Cladding System & Embed														
A51760	2nd Submission - Review & Approval by MJV (w/ RSE Endorsement)	14	03-Mar-17	16-Mar-17	22-Dec-16	07-Mar-17	100%	21%	-59					
A51770	Garden Gallery Ceramic - Submission to BD	0		07-Mar-17		07-Mar-17	100%	0%	-42					
A51780	Garden Gallery Ceramic - BD Approval	60	07-Mar-17	06-May-17	07-Mar-17	06-May-17	70%	0%	-53					
A51790	Garden Gallery Ceramic - Concert	30	06-May-17	05-Jun-17	06-May-17	05-Jun-17	0%	0%	-53					
BD Submission - Glass Wall with T Mullion System & Embed														
A51810	1st Submission - Review & Approval by MJV	14	24-Feb-17	09-Mar-17	19-Nov-16	07-Mar-17	100%	21%	-60					
A51820	2nd Submission	7	07-Mar-17	14-Mar-17	07-Mar-17	14-Mar-17	100%	0%	-60					
A51830	2nd Submission - Review & Approval by MJV (w/ RSE Endorsement)	14	14-Mar-17	28-Mar-17	14-Mar-17	28-Mar-17	100%	0%	-60					
A51850	Glass Wall with T Mullion - Submission to BD	0		28-Mar-17		28-Mar-17	100%	0%	-48					
A51860	Glass Wall with T Mullion - BD Approval	60	28-Mar-17	27-May-17	28-Mar-17	27-May-17	46.67%	0%	-60					
A51870	Glass Wall with T Mullion - Concert	30	27-May-17	26-Jun-17	27-May-17	26-Jun-17	0%	0%	-60					
BD Submission - Strip Glazing at Skylight Gallery & Plaza Skylight at L3 System & Embed														
A51900	2nd Submission	7	24-Feb-17	02-Mar-17	24-Feb-17	02-Mar-17	100%	0%	-69					
A51910	2nd Submission - Review & Approval by MJV (w/ RSE Endorsement)	14	03-Mar-17	16-Mar-17	03-Mar-17	16-Mar-17	100%	0%	-69					
A51920	Strip Glazing at Skylight Gallery & Plaza Skylight - Submission to BD	0		16-Mar-17		16-Mar-17	100%	0%	-54					
A51930	Strip Glazing at Skylight Gallery & Plaza Skylight - BD Approval	60	17-Mar-17	15-May-17	17-Mar-17	15-May-17	75%	0%	-66					
A51950	Strip Glazing at Skylight Gallery & Plaza Skylight - Concert	30	16-Mar-17	14-Jun-17	16-Mar-17	14-Jun-17	0%	0%	-66					
BD Submission - Glass Wall with Ceramic/Precast Concrete Mullion, Concrete Tube & Perforated Claddin														
A51960	1st Submission	12	24-Feb-17	07-Mar-17	24-Feb-17	07-Mar-17	100%	0%	-69					
A51970	1st Submission - Review & Approval by MJV	14	08-Mar-17	21-Mar-17	08-Mar-17	21-Mar-17	100%	0%	-69					
A51980	2nd Submission	7	22-Mar-17	28-Mar-17	22-Mar-17	28-Mar-17	100%	0%	-69					
A51990	2nd Submission - Review & Approval by MJV (w/ RSE Endorsement)	14	29-Mar-17	11-Apr-17	29-Mar-17	11-Apr-17	100%	0%	-69					
A52000	Glass Wall with Ceramic & Precast Concrete Mullion - Submission to BD	0		11-Apr-17		11-Apr-17	100%	0%	-58					
A52010	Glass Wall with Ceramic & Precast Concrete Mullion - BD Approval	60	12-Apr-17	10-Jun-17	12-Apr-17	10-Jun-17	36.67%	0%	-69					
A52020	Glass Wall with Ceramic & Precast Concrete Mullion - Concert	30	11-Jun-17	10-Jul-17	11-Jun-17	10-Jul-17	0%	0%	-69					
BD Submission - Metal Cladding FAC-LV-01a/FAC-LV-01b (North Perimeter Rd)														
A52040	1st Submission	40	24-Feb-17	04-Apr-17	24-Feb-17	04-Apr-17	100%	0%	-69					
A52090	Metal Cladding (North Perimeter Rd) - Submission to BD	0	14-Mar-17	14-Mar-17	14-Mar-17	12-May-17	0%	0%	1					
A52100	Metal Cladding (North Perimeter Rd) - BD Approval	60	14-Mar-17	12-May-17	14-Mar-17	12-May-17	0%	0%	1					
A52050	1st Submission - Review & Approval by MJV	14	05-Apr-17	18-Apr-17	05-Apr-17	18-Apr-17	100%	0%	-69					
A52070	2nd Submission	7	19-Apr-17	25-Apr-17	19-Apr-17	25-Apr-17	100%	0%	-69					
A52080	2nd Submission - Review & Approval by MJV (w/ RSE Endorsement)	14	26-Apr-17	09-May-17	26-Apr-17	09-May-17	57.14%	0%	-69					
A52110	Metal Cladding (North Perimeter Rd) - Concert	30	13-May-17	11-Jun-17	13-May-17	11-Jun-17	0%	0%	1					
SHOPDRAWING SUBMISSIONS - FACADE DOORS														
Facade Doors Package #1 - Glazed door between Ceramic Concrete Mullion - Total No. of Doors = 53														
A52120	1st Shopdrawing Submission	67	24-Feb-17	01-May-17	24-Feb-17*	01-May-17	100%	0%	-69					
A52130	1st Shopdrawing Submission - Review & Approval	21	02-May-17	22-May-17	02-May-17	22-May-17	9.52%	0%	-69					
A52140	2nd Shopdrawing Submission	14	23-May-17	05-Jun-17	23-May-17	05-Jun-17	0%	0%	-69					
A52160	2nd Shopdrawing Submission - Review & Approval	21	06-Jun-17	26-Jun-17	06-Jun-17	26-Jun-17	0%	0%	-69					
Facade Doors Package #2 - Sliding door at L3 Storefront - Total No. of Doors = 4														
A52170	1st Shopdrawing Submission	67	24-Feb-17	01-May-17	24-Feb-17*	01-May-17	100%	0%	-69					
A52180	1st Shopdrawing Submission - Review & Approval	21	02-May-17	22-May-17	02-May-17	22-May-17	9.52%	0%	-69					
A52190	2nd Shopdrawing Submission	14	23-May-17	05-Jun-17	23-May-17	05-Jun-17	0%	0%	-69					
A52200	2nd Shopdrawing - Review & Approval	21	06-Jun-17	26-Jun-17	06-Jun-17	26-Jun-17	0%	0%	-69					
Facade Doors Package #3 - Swing Door at L3 Cafe- Total No. of Doors = 1														
A52210	1st Shopdrawing Submission	74	24-Feb-17	08-May-17	24-Feb-17*	08-May-17	93.24%	0%	-69					
A52220	1st Shopdrawing Submission - Review & Approval	21	09-May-17	29-May-17	09-May-17	29-May-17	0%	0%	-69					
A52230	2nd Shopdrawing Submission	14	30-May-17	12-Jun-17	30-May-17	12-Jun-17	0%	0%	-69					
A52250	2nd Shopdrawing Submission - Review & Approval	21	13-Jun-17	03-Jul-17	13-Jun-17	03-Jul-17	0%	0%	-69					
Facade Doors Package #4 - Swing Door mounted in GW with T Mullion - Total No. of Doors = 29														
A52260	1st Shopdrawing Submission	74	24-Feb-17	08-May-17	24-Feb-17*	08-May-17	93.24%	0%	-69					
A52270	1st Shopdrawing Submission - Review & Approval	21	09-May-17	29-May-17	09-May-17	29-May-17	0%	0%	-69					
A52280	2nd Shopdrawing Submission	14	30-May-17	12-Jun-17	30-May-17	12-Jun-17	0%	0%	-69					
A52290	2nd Shopdrawing Submission - Review & Approval	21	13-Jun-17	03-Jul-17	13-Jun-17	03-Jul-17	0%	0%	-69					
Facade Doors Package #5 - Large double door at B1 Transformer Room - Total No. of Doors = 1														
A52300	1st Shopdrawing Submission	81	24-Feb-17	15-May-17	24-Feb-17*	15-May-17	85.19%	0%	-69					
A52310	1st Shopdrawing Submission - Review & Approval	21	16-May-17	05-Jun-17	16-May-17	05-Jun-17	0%	0%	-69					
A52320	2nd Shopdrawing Submission	14	06-Jun-17	19-Jun-17	06-Jun-17	19-Jun-17	0%	0%	-69					
A52340	2nd Shopdrawing Submission - Review & Approval	21	20-Jun-17	10-Jul-17	20-Jun-17	10-Jul-17	0%	0%	-69					
Facade Doors Package #6 - B1 Exit Door - Total No. of Doors = 7 (7 x Manual)														
A52350	1st Shopdrawing Submission	81	24-Feb-17	15-May-17	24-Feb-17*	15-May-17	85.19%	0%	-69					
A52360	1st Shopdrawing Submission - Review & Approval	21	16-May-17	05-Jun-17	16-May-17	05-Jun-17	0%	0%	-69					
A52370	2nd Shopdrawing Submission	14	06-Jun-17	19-Jun-17	06-Jun-17	19-Jun-17	0%	0%	-69					
A52380	2nd Shopdrawing Submission - Review & Approval	21	20-Jun-17	10-Jul-17	20-Jun-17	10-Jul-17	0%	0%	-69					
Facade Doors Package #7 - Garden Gallery Door - Total No. of Doors = 2 (2 x Manual)														
A52390	1st Shopdrawing Submission	88	24-Feb-17	22-May-17	24-Feb-17*	22-May-17	78.41%	0%	-69					
A52400	1st Shopdrawing Submission - Review & Approval	21	23-May-17	12-Jun-17	23-May-17	12-Jun-17	0%	0%	-69					
A52410	2nd Shopdrawing Submission	14	13-Jun-17	26-Jun-17	13-Jun-17	26-Jun-17	0%	0%	-69					
A52430	2nd Shopdrawing Submission - Review & Approval	21	27-Jun-17	17-Jul-17	27-Jun-17	17-Jul-17	0%	0%	-69					
Facade Doors Package #8 - Doors located in Metal Cladding - Total No. of Doors = 20 (20 x Manual)														
A52440	1st Shopdrawing Submission	88	24-Feb-17	22-May-17	24-Feb-17*	22-May-17	78.41%	0%	-69					
A52450	1st Shopdrawing Submission - Review & Approval	21	23-May-17	12-Jun-17	23-May-17	12-Jun-17	0%	0%	-69					
A52460	2nd Shopdrawing Submission	14	13-Jun-17	26-Jun-17	13-Jun-17	26-Jun-17	0%	0%	-69					
A52470	2nd Shopdrawing Submission - Review & Approval	21	27-Jun-17	17-Jul-17	27-Jun-17	17-Jul-17	0%	0%	-69					
Facade Doors Package #9 - GF Lobby Access Door in Ceramic Tube - Total No. of Doors = 8														
A52480	1st Shopdrawing Submission	88	24-Feb-17	22-May-17	24-Feb-17*	22-May-17	78.41%	0%	-69					
A52490	1st Shopdrawing Submission - Review & Approval	21	23-May-17	12-Jun-17	23-May-17	12-Jun-17	0%	0%	-69					
A52500	2nd Shopdrawing Submission	14	13-Jun-17	26-Jun-17	13-Jun-17	26-Jun-17	0%	0%	-69					
A52520	2nd Shopdrawing Submission - Review & Approval	21	27-Jun-17	17-Jul-17	27-Jun-17	17-Jul-17	0%	0%	-69					
Facade Doors Package #10 - B1 Carriageway Access Panel & Doors - Total No. of Doors = 24														

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017			
										Feb 17	Mar 18	Apr 19	May 20
A52530	1st Shopdrawing Submission	95	24-Feb-17	29-May-17	24-Feb-17*	29-May-17	72.63%	0%	-69	[Gantt bar: Feb 17 to Mar 18]			
A52540	1st Shopdrawing Submission - Review & Approval	21	30-May-17	19-Jun-17	30-May-17	19-Jun-17	0%	0%	-69	[Gantt bar: Mar 18 to Apr 19]			
A52550	2nd Shopdrawing Submission	14	20-Jun-17	03-Jul-17	20-Jun-17	03-Jul-17	0%	0%	-69	[Gantt bar: Apr 19 to May 20]			
A52560	2nd Shopdrawing Submission - Review & Approval	21	04-Jul-17	24-Jul-17	04-Jul-17	24-Jul-17	0%	0%	-69	[Gantt bar: May 20 to Jun 21]			
Facade Doors Package #12 - B1 Smoke Vent Panel - Total No. of Doors = 1													
A52580	1st Shopdrawing Submission	96	24-Feb-17	30-May-17	24-Feb-17*	30-May-17	71.88%	0%	-69	[Gantt bar: Feb 17 to Mar 18]			
A52590	1st Shopdrawing Submission - Review & Approval	21	31-May-17	20-Jun-17	31-May-17	20-Jun-17	0%	0%	-69	[Gantt bar: Mar 18 to Apr 19]			
A52600	2nd Shopdrawing Submission	14	21-Jun-17	04-Jul-17	21-Jun-17	04-Jul-17	0%	0%	-69	[Gantt bar: Apr 19 to May 20]			
A52610	2nd Shopdrawing Submission - Review & Approval	21	05-Jul-17	25-Jul-17	05-Jul-17	25-Jul-17	0%	0%	-69	[Gantt bar: May 20 to Jun 21]			
PERFORMANCE TEST - SHOPDRAWING SUBMISSION, FABRICATION, INSTALLATION & TEST													
PMU SHOPDRAWING SUBMISSION & TEST - Tower Facade Precast Panel													
A54620	Perf MU - Precast Concrete Facade Ordering & Production	173	07-Dec-16	28-May-17	07-Dec-16	26-May-17	45.66%	60%	2	[Gantt bar: Dec 16 to May 17]			
A52630	Perf MU - 2nd Shopdrawing Submission - Review & Approval	21	07-Dec-16	27-Dec-16	02-Jan-17	06-Mar-17	100%	48%	-69	[Gantt bar: Dec 16 to Mar 17]			
A55120	Perf MU - 1st Tower Facade Test Proposal Submission	12	06-Mar-17	18-Mar-17	06-Mar-17	18-Mar-17	100%	0%	-69	[Gantt bar: Mar 17 to Apr 18]			
A52650	Perf MU - 3rd Shopdrawing Submission	14	06-Mar-17	20-Mar-17	06-Mar-17	20-Mar-17	100%	0%	-69	[Gantt bar: Mar 17 to Apr 18]			
A55130	Perf MU - 1st Tower Facade Test Proposal Review & Approval	21	18-Mar-17	08-Apr-17	18-Mar-17	08-Apr-17	100%	0%	-69	[Gantt bar: Mar 17 to Apr 18]			
A52660	Perf MU - 3rd Shopdrawing Submission - Review & Approval	21	20-Mar-17	10-Apr-17	20-Mar-17	10-Apr-17	100%	0%	-69	[Gantt bar: Mar 17 to Apr 18]			
A55140	Perf MU - 2nd Tower Facade Test Proposal Submission	14	08-Apr-17	22-Apr-17	08-Apr-17	22-Apr-17	100%	0%	-69	[Gantt bar: Apr 18 to May 19]			
A55150	Perf MU - 2nd Tower Facade Test Proposal Review & Approval	21	22-Apr-17	13-May-17	22-Apr-17	13-May-17	52.38%	0%	-69	[Gantt bar: Apr 18 to May 19]			
A54630	Perf MU - Precast Concrete Facade Installation	19	27-May-17	19-Jun-17	27-May-17	19-Jun-17	0%	0%	-28	[Gantt bar: May 19 to Jun 20]			
A54640	Perf MU - Commence of Tower Precast Concrete Facade	0	20-Jun-17	20-Jun-17	20-Jun-17	20-Jun-17	0%	0%	-28	[Gantt bar: Jun 20 to Jun 20]			
A54645	Perf MU - Testing & Report Submission of Tower Precast Concrete Facade	12	20-Jun-17	04-Jul-17	20-Jun-17	04-Jul-17	0%	0%	-28	[Gantt bar: Jun 20 to Jul 21]			
PMU SHOPDRAWING SUBMISSION & TEST - Podium Facade Precast Panel													
A52690	Perf MU - 2nd Shopdrawing Submission	14	24-Feb-17	09-Mar-17	24-Feb-17	09-Mar-17	100%	0%	-58	[Gantt bar: Feb 17 to Mar 18]			
A54650	Perf MU - Podium Facade Precast Concrete + Curtain Wall Ordering & Production	160	24-Feb-17	02-Aug-17	24-Feb-17	02-Aug-17	42.5%	0%	-68	[Gantt bar: Feb 17 to Aug 17]			
A52700	Perf MU - 2nd Shopdrawing Submission - Review & Approval	21	10-Mar-17	30-Mar-17	10-Mar-17	30-Mar-17	100%	0%	-58	[Gantt bar: Mar 17 to Apr 18]			
A55160	Perf MU - 1st Podium Facade Test Proposal Submission	12	29-Jun-17	10-Jul-17	29-Jun-17	10-Jul-17	0%	0%	-58	[Gantt bar: Jun 17 to Jul 18]			
A55170	Perf MU - 1st Podium Facade Test Proposal Review & Approval	21	11-Jul-17	31-Jul-17	11-Jul-17	31-Jul-17	0%	0%	-58	[Gantt bar: Jul 18 to Aug 19]			
PMU SHOPDRAWING SUBMISSION & TEST - Kinked Glass with T Mullion													
A52710	Perf MU - 1st Shopdrawing Submission	33	24-Feb-17	28-Mar-17	24-Feb-17*	28-Mar-17	100%	0%	-69	[Gantt bar: Feb 17 to Mar 18]			
A52720	Perf MU - 1st Shopdrawing Submission - Review & Approval	21	29-Mar-17	18-Apr-17	29-Mar-17	18-Apr-17	100%	0%	-69	[Gantt bar: Mar 17 to Apr 18]			
A54700	Perf MU - GW with T Mullion + Reflective Glass Ordering & Production	123	29-Mar-17	29-Jul-17	29-Mar-17	29-Jul-17	29.27%	0%	-69	[Gantt bar: Mar 17 to Jul 17]			
A52730	Perf MU - 2nd Shopdrawing Submission	14	19-Apr-17	02-May-17	19-Apr-17	02-May-17	100%	0%	-69	[Gantt bar: Apr 17 to May 18]			
A52740	Perf MU - 2nd Shopdrawing Submission - Review & Approval	21	03-May-17	23-May-17	03-May-17	23-May-17	4.76%	0%	-69	[Gantt bar: May 17 to Jun 18]			
A55200	Perf MU - 1st GW with T Mullion Test Proposal Submission	12	24-May-17	04-Jun-17	24-May-17	04-Jun-17	0%	0%	-69	[Gantt bar: May 17 to Jun 18]			
A55210	Perf MU - 1st GW with T Mullion Test Proposal Review & Approval	21	05-Jun-17	25-Jun-17	05-Jun-17	25-Jun-17	0%	0%	-69	[Gantt bar: Jun 18 to Jul 19]			
A55220	Perf MU - 2nd GW with T Mullion Test Proposal Submission	14	26-Jun-17	09-Jul-17	26-Jun-17	09-Jul-17	0%	0%	-69	[Gantt bar: Jun 18 to Jul 19]			
A55230	Perf MU - 2nd GW with T Mullion Test Proposal Review & Approval	21	10-Jul-17	30-Jul-17	10-Jul-17	30-Jul-17	0%	0%	-69	[Gantt bar: Jul 19 to Aug 20]			
A54710	Perf MU - GW with T Mullion + Reflective Glass Installation	18	31-Jul-17	19-Aug-17	31-Jul-17	19-Aug-17	0%	0%	-58	[Gantt bar: Jul 19 to Aug 20]			
PMU SHOPDRAWING SUBMISSION & TEST - Glass Wall with Ceramic Mullions at GF													
A52750	Perf MU - 1st Shopdrawing Submission	33	24-Feb-17	28-Mar-17	24-Feb-17*	28-Mar-17	100%	0%	-69	[Gantt bar: Feb 17 to Mar 18]			
A52760	Perf MU - 1st Shopdrawing Submission - Review & Approval	21	29-Mar-17	18-Apr-17	29-Mar-17	18-Apr-17	100%	0%	-69	[Gantt bar: Mar 17 to Apr 18]			
A52770	Perf MU - 2nd Shopdrawing Submission	14	19-Apr-17	02-May-17	19-Apr-17	02-May-17	100%	0%	-69	[Gantt bar: Apr 17 to May 18]			
A54740	Perf MU - GW with Ceramic Mullion G/F Production & Fabrication	197	19-Apr-17	01-Nov-17	19-Apr-17	01-Nov-17	7.61%	0%	-69	[Gantt bar: Apr 17 to Nov 17]			
A52780	Perf MU - 2nd Shopdrawing Submission - Review & Approval	21	03-May-17	23-May-17	03-May-17	23-May-17	4.76%	0%	-69	[Gantt bar: May 17 to Jun 18]			
A55240	Perf MU - 1st GW with Ceramic Mullion Test Proposal Submission	12	24-May-17	04-Jun-17	24-May-17	04-Jun-17	0%	0%	-69	[Gantt bar: May 17 to Jun 18]			
A55250	Perf MU - 1st GW with Ceramic Mullion Test Proposal Review & Approval	21	05-Jun-17	25-Jun-17	05-Jun-17	25-Jun-17	0%	0%	-69	[Gantt bar: Jun 18 to Jul 19]			
A55260	Perf MU - 2nd GW with Ceramic Mullion Test Proposal Submission	14	26-Jun-17	09-Jul-17	26-Jun-17	09-Jul-17	0%	0%	-69	[Gantt bar: Jun 18 to Jul 19]			
A55270	Perf MU - 2nd GW with Ceramic Mullion Test Proposal Review & Approval	21	10-Jul-17	30-Jul-17	10-Jul-17	30-Jul-17	0%	0%	-69	[Gantt bar: Jul 19 to Aug 20]			
PMU SHOPDRAWING SUBMISSION & TEST - Vertical Glass Wall at Skylight Gallery													
A52790	Perf MU - 1st Shopdrawing Submission	12	24-Feb-17	07-Mar-17	24-Feb-17*	07-Mar-17	100%	0%	-69	[Gantt bar: Feb 17 to Mar 18]			
A52800	Perf MU - 1st Shopdrawing Submission - Review & Approval	21	08-Mar-17	28-Mar-17	08-Mar-17	28-Mar-17	100%	0%	-69	[Gantt bar: Mar 17 to Apr 18]			
A52810	Perf MU - 2nd Shopdrawing Submission	14	29-Mar-17	11-Apr-17	29-Mar-17	11-Apr-17	100%	0%	-69	[Gantt bar: Mar 17 to Apr 18]			
A54820	Perf MU - Vertical Glass Wall Skylight Gallery Production & Fabrication	134	29-Mar-17	09-Aug-17	29-Mar-17	09-Aug-17	26.87%	0%	-69	[Gantt bar: Mar 17 to Aug 17]			
A52820	Perf MU - 2nd Shopdrawing Submission - Review & Approval	21	12-Apr-17	02-May-17	12-Apr-17	02-May-17	100%	0%	-69	[Gantt bar: Apr 17 to May 18]			
A55280	Perf MU - 1st Vertical GW Skylight Gallery Test Proposal Submission	12	03-May-17	14-May-17	03-May-17	14-May-17	8.33%	0%	-69	[Gantt bar: May 17 to Jun 18]			
A55290	Perf MU - 1st Vertical GW Skylight Gallery Test Proposal Review & Approval	21	15-May-17	04-Jun-17	15-May-17	04-Jun-17	0%	0%	-69	[Gantt bar: May 17 to Jun 18]			
A55300	Perf MU - 2nd Vertical GW Skylight Gallery Test Proposal Submission	14	05-Jun-17	18-Jun-17	05-Jun-17	18-Jun-17	0%	0%	-69	[Gantt bar: Jun 18 to Jul 19]			
A55310	Perf MU - 2nd Vertical GW Skylight Gallery Test Proposal Review & Approval	21	19-Jun-17	09-Jul-17	19-Jun-17	09-Jul-17	0%	0%	-69	[Gantt bar: Jun 18 to Jul 19]			
PMU SHOPDRAWING SUBMISSION & TEST - Plaza Skylight 3/F Terrace													
A52830	Perf MU - 1st Shopdrawing Submission	12	24-Feb-17	07-Mar-17	24-Feb-17*	07-Mar-17	100%	0%	-69	[Gantt bar: Feb 17 to Mar 18]			
A52840	Perf MU - 1st Shopdrawing Submission - Review & Approval	21	08-Mar-17	28-Mar-17	08-Mar-17	28-Mar-17	100%	0%	-69	[Gantt bar: Mar 17 to Apr 18]			
A52850	Perf MU - 2nd Shopdrawing Submission	14	29-Mar-17	11-Apr-17	29-Mar-17	11-Apr-17	100%	0%	-69	[Gantt bar: Mar 17 to Apr 18]			
A54780	Perf MU - Plaza Skylight 3/F Terrace Production & Fabrication	117	29-Mar-17	23-Jul-17	29-Mar-17	23-Jul-17	30.77%	0%	-69	[Gantt bar: Mar 17 to Jul 17]			
A52860	Perf MU - 2nd Shopdrawing Submission - Review & Approval	21	12-Apr-17	02-May-17	12-Apr-17	02-May-17	100%	0%	-69	[Gantt bar: Apr 17 to May 18]			
A55320	Perf MU - 1st Plaza Skylight Test Proposal Submission	12	03-May-17	14-May-17	03-May-17	14-May-17	8.33%	0%	-69	[Gantt bar: May 17 to Jun 18]			
A55330	Perf MU - 1st Plaza Skylight Test Proposal Review & Approval	21	15-May-17	04-Jun-17	15-May-17	04-Jun-17	0%	0%	-69	[Gantt bar: May 17 to Jun 18]			
A55340	Perf MU - 2nd Plaza Skylight Test Proposal Submission	14	05-Jun-17	18-Jun-17	05-Jun-17	18-Jun-17	0%	0%	-69	[Gantt bar: Jun 18 to Jul 19]			
A55350	Perf MU - 2nd Plaza Skylight Test Proposal Review & Approval	21	19-Jun-17	09-Jul-17	19-Jun-17	09-Jul-17	0%	0%	-69	[Gantt bar: Jun 18 to Jul 19]			
A54790	Perf MU - Plaza Skylight 3/F Terrace Installation	30	24-Jul-17	26-Aug-17	24-Jul-17	26-Aug-17	0%	0%	-57	[Gantt bar: Jul 19 to Aug 20]			
PMU SHOPDRAWING SUBMISSION & TEST - Acoustic Mock up													
A55060	Perf MU - 1st Acoustic Mock Up Test Proposal Submission	12	29-Mar-17	09-Apr-17	06-Aug-16	07-Nov-16 A	100%	100%	85	[Gantt bar: Mar 17 to Nov 16]			
A52890	Perf MU - 3rd Shopdrawing Submission	14	29-Mar-17	11-Apr-17	08-Nov-16	25-Nov-16 A	100%	100%	69	[Gantt bar: Mar 17 to Nov 16]			
A55070	Perf MU - 1st Acoustic Mock Up Test Proposal Review & Approval	21	24-Feb-17	16-Mar-17	24-Feb-17	16-Mar-17	100%	0%	-24	[Gantt bar: Feb 17 to Mar 18]			
A52900	Perf MU - 3rd Shopdrawing Submission - Review & Approval	21	24-Feb-17	16-Mar-17	24-Feb-17	16-Mar-17	100%	0%	-22	[Gantt bar: Feb 17 to Mar 18]			
A55080	Perf MU - 2nd Acoustic Mock Up Test Proposal Submission	14	17-Mar-17	30-Mar-17	17-Mar-17	30-Mar-17	21.43%	0%	-24	[Gantt bar: Mar 17 to Apr 18]			
A55090	Perf MU - 2nd Acoustic Mock Up Test Proposal Review & Approval	21	31-Mar-17	20-Apr-17	31-Mar-17	20-Apr-17	0%	0%	-24	[Gantt bar: Mar 17 to Apr 18]			
A55100	Perf MU - Commence Testing of Acoustic Mock Up	0	21-Apr-17	21-Apr-17	21-Apr-17	21-Apr-17	0%	0%	-17	[Gantt bar: Apr 18 to Apr 18]			
A55110	Perf MU - Testing & Report Submission of Acoustic Mock Up	12	21-Apr-17	06-May-17	21-Apr-17	06-May-17	0%	0%	-17	[Gantt bar: Apr 18 to May 19]			
BIM MODEL SUBMISSION													

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
BIM MODEL SUBMISSION - Tower Facade Precast Panel (MPLUS-BIM-D003)														
A52920	5th BIM Model Submission	149	20-Sep-16	15-Feb-17	20-Sep-16	03-Mar-17	100%	95%	-15					
A52930	5th BIM Model Submission - Review & Approval	21	03-Mar-17	24-Mar-17	03-Mar-17	24-Mar-17	38.1%	0%	-15					
A52940	6th BIM Model Submission	14	24-Mar-17	07-Apr-17	24-Mar-17	07-Apr-17	0%	0%	-15					
A52950	6th BIM Model Submission - Review & Approval	21	07-Apr-17	28-Apr-17	07-Apr-17	28-Apr-17	0%	0%	-15					
BIM MODEL SUBMISSION - Podium Facade Panel (MPLUS-BIM-D004)														
A52960	3rd BIM Model Submission	209	15-Jul-16	08-Feb-17	15-Jul-16	06-Mar-17	100%	95%	-25					
A52970	3rd BIM Model Submission - Review & Approval	21	06-Mar-17	27-Mar-17	06-Mar-17	27-Mar-17	71.43%	0%	-25					
A52980	4th BIM Model Submission	14	27-Mar-17	10-Apr-17	27-Mar-17	10-Apr-17	0%	0%	-25					
A52990	4th BIM Model Submission - Review & Approval	21	10-Apr-17	01-May-17	10-Apr-17	01-May-17	0%	0%	-25					
BIM MODEL SUBMISSION - Glass Wall with T Mullion														
A53000	1st BIM Model Submission	56	23-Nov-16	17-Jan-17	23-Nov-16	07-Mar-17	100%	80%	-48					
A53010	1st BIM Model Submission - Review & Approval	21	07-Mar-17	28-Mar-17	07-Mar-17	28-Mar-17	100%	0%	-48					
A53020	2nd BIM Model Submission	14	28-Mar-17	11-Apr-17	28-Mar-17	11-Apr-17	100%	0%	-48					
A53030	2nd BIM Model Submission - Review & Approval	21	11-Apr-17	02-May-17	11-Apr-17	02-May-17	9.52%	0%	-48					
BIM MODEL SUBMISSION - Glass Wall with Ceramic Mullion & Precast Concrete Mullion														
A53040	1st BIM Model Submission	46	24-Feb-17	10-Apr-17	24-Feb-17*	10-Apr-17	100%	0%	-69					
A53050	1st BIM Model Submission - Review & Approval	21	11-Apr-17	01-May-17	11-Apr-17	01-May-17	100%	0%	-69					
A53060	2nd BIM Model Submission	14	02-May-17	15-May-17	02-May-17	15-May-17	14.29%	0%	-69					
A53070	2nd BIM Model Submission - Review & Approval	21	16-May-17	05-Jun-17	16-May-17	05-Jun-17	0%	0%	-69					
BIM MODEL SUBMISSION - Ceramic Concrete Tubes & Perforated Cladding														
A53080	1st BIM Model Submission	46	24-Feb-17	10-Apr-17	24-Feb-17*	10-Apr-17	100%	0%	-69					
A53090	1st BIM Model Submission - Review & Approval	21	11-Apr-17	01-May-17	11-Apr-17	01-May-17	100%	0%	-69					
A53100	2nd BIM Model Submission	14	02-May-17	15-May-17	02-May-17	15-May-17	14.29%	0%	-69					
A53110	2nd BIM Model Submission - Review & Approval	21	16-May-17	05-Jun-17	16-May-17	05-Jun-17	0%	0%	-69					
BIM MODEL SUBMISSION - Strip Glazing at Skylight Gallery & Plaza Skylight at L3 (MPLUS-BIM-D006) & (
A53120	3rd BIM Model Submission	76	06-Oct-16	20-Dec-16	06-Oct-16	06-Mar-17	100%	86%	-76					
A53130	3rd BIM Model Submission - Review & Approval	21	06-Mar-17	27-Mar-17	06-Mar-17	27-Mar-17	100%	0%	-76					
A53140	4th BIM Model Submission	14	27-Mar-17	10-Apr-17	27-Mar-17	10-Apr-17	100%	0%	-76					
A53150	4th BIM Model Submission - Review & Approval	21	10-Apr-17	01-May-17	10-Apr-17	01-May-17	100%	0%	-76					
BIM MODEL SUBMISSION - L3 Storefront (MPLUS-BIM-D001)														
A53160	5th BIM Model Submission	98	14-Sep-16	20-Dec-16	14-Sep-16	28-Feb-17	100%	95%	-70					
A53170	5th BIM Model Submission - Review & Approval	21	28-Feb-17	21-Mar-17	28-Feb-17	21-Mar-17	100%	0%	-70					
A53180	6th BIM Model Submission	14	21-Mar-17	04-Apr-17	21-Mar-17	04-Apr-17	100%	0%	-70					
A53190	6th BIM Model Submission - Review & Approval	21	04-Apr-17	25-Apr-17	04-Apr-17	25-Apr-17	100%	0%	-70					
BIM MODEL SUBMISSION - Garden Gallery Ceramic Cladding (MPLUS-BIM-D002)														
A53200	1st BIM Model Submission	76	06-Oct-16	20-Dec-16	06-Oct-16	01-Mar-17	100%	93%	-70					
A53210	1st BIM Model Submission - Review & Approval	21	01-Mar-17	22-Mar-17	01-Mar-17	22-Mar-17	100%	0%	-70					
A53220	2nd BIM Model Submission	14	22-Mar-17	05-Apr-17	22-Mar-17	05-Apr-17	100%	0%	-70					
A53230	2nd BIM Model Submission - Review & Approval	21	05-Apr-17	26-Apr-17	05-Apr-17	26-Apr-17	100%	0%	-70					
BIM MODEL SUBMISSION - Metal Cladding FAC-LV-01a/FAC-LV-01b (Additional Scope)														
A53250	1st BIM Model Submission	70	24-Feb-17	04-May-17	24-Feb-17*	04-May-17	98.57%	0%	-69					
A53260	1st BIM Model Submission - Review & Approval	21	05-May-17	25-May-17	05-May-17	25-May-17	0%	0%	-69					
A53270	2nd BIM Model Submission	14	26-May-17	08-Jun-17	26-May-17	08-Jun-17	0%	0%	-69					
A53280	2nd BIM Model Submission - Review & Approval	21	09-Jun-17	29-Jun-17	09-Jun-17	29-Jun-17	0%	0%	-69					
FABRICATION & DELIVERY OF M+ TOWER & PODIUM FACADE SYSTEM														
01A Tower Facade PC+CW (Bulk)														
A54880	Production & Fabrication - Precast Panel for Tower - Summary	229	19-Nov-16	05-Jul-17	19-Nov-16	06-Jul-17	42.36%	42%	-1					
Glass Production & Fabrication														
A54450	Coated Glass Production	108	19-Nov-16	31-Mar-17	19-Nov-16	31-May-17	71.3%	30%	-45					
A54460	Fabrication of Glass Panel	206	24-Feb-17	03-Nov-17	24-Feb-17	03-Nov-17	2.43%	0%	-5					
A54870	Coated Glass 1st Delivery to Factory	0	12-Jun-17		12-Jun-17		0%	0%	-45					
CW Glazed Panel Production & Fabrication														
A54900	Die Making - Bulk Production	68	22-Nov-16	15-Feb-17	22-Nov-16	13-Apr-17	100%	40%	-48					
A54910	Aluminium Extrusion Production	201	13-Apr-17	15-Dec-17	13-Apr-17	15-Dec-17	3.48%	0%	-48					
A54920	Application of PVF2 Coating	171	01-Jun-17	22-Dec-17	01-Jun-17	22-Dec-17	0%	0%	-48					
A54860	Fabrication & Assemble of Curtain Wall Unit	203	15-Jun-17	15-Feb-18	15-Jun-17	15-Feb-18	0%	0%	-48					
Terracotta Production														
A54930	Die Making	36	19-Nov-16	03-Jan-17	19-Nov-16	08-Mar-17	100%	70%	-52					
A54940	Terracotta Production - Tower (Bulk)	222	08-Mar-17	05-Dec-17	08-Mar-17	05-Dec-17	18.47%	0%	-52					
A54950	Delivery to Precast Factory	212	16-May-17	27-Jan-18	16-May-17	27-Jan-18	0%	0%	-52					
Precast Concrete Facade														
A54960	Precast Concrete Mould Making	215	29-May-17	13-Feb-18	29-May-17	13-Feb-18	0%	0%	-48					
A54970	Concreting of Precast Concrete	190	30-Jun-17	15-Feb-18	30-Jun-17	15-Feb-18	0%	0%	-48					
A54980	Assemble of Curtain Wall to Precast Facade	191	14-Jul-17	05-Mar-18	14-Jul-17	05-Mar-18	0%	0%	-48					
01B Tower Lighting (Bulk)														
Procurement & Production (3F to Roof) & Shipment														
A55010	Procurement - Tower Lighting Bar	128	26-Oct-16	30-Mar-17	26-Oct-16	29-Apr-17	76.56%	60%	-21					
A55020	Production - Tower Lighting Bar	189	29-Apr-17	14-Dec-17	29-Apr-17	14-Dec-17	0%	0%	-21					
CW Glazed Panel Production & Fabrication														
A55030	Delivery & Assembly	200	29-May-17	26-Jan-18	29-May-17	26-Jan-18	0%	0%	-21					
A10000	IQC Inspection	190	14-Jun-17	30-Jan-18	14-Jun-17	30-Jan-18	0%	0%	-21					
02 Podium Facade PC + CW (Bulk)														
A54470	Production & Fabrication - Precast Panel for Podium	262	12-Nov-16	31-Jul-17	12-Nov-16	31-Jul-17	39.69%	40%	1					
Glass Production & Fabrication														
A10020	Ordering of Coated Glass	106	12-Nov-16	22-Mar-17	12-Nov-16	02-May-17	78.3%	50%	-30					
A10030	Fabrication of Insulated Glass Panel	166	04-May-17	18-Nov-17	04-May-17	18-Nov-17	0%	0%	-30					
CW Glazed Panel Production & Fabrication														
A10040	Die Making - Bulk Production	46	24-Feb-17	22-Apr-17	24-Feb-17	22-Apr-17	13.04%	0%	-6					
A10050	Aluminium Extrusion Production	140	24-Apr-17	10-Oct-17	24-Apr-17	10-Oct-17	0%	0%	-6					
A10060	Application of PVF2 Coating	157	09-May-17	13-Nov-17	09-May-17	13-Nov-17	0%	0%	-6					

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017			
										Feb 17	Mar 18	Apr 19	May 20
A10070	Fabrication & Assemble of Curtain Wall Unit	157	17-May-17	21-Nov-17	17-May-17	21-Nov-17	0%	0%	-6				A10070
Terracotta Production													
A10080	Ordering of Terracotta - Podium (Bulk)	11	24-Feb-17	08-Mar-17	24-Feb-17	08-Mar-17	100%	0%	-47				
A10090	Die Making - Terracotta Production	55	09-Mar-17	18-May-17	09-Mar-17	18-May-17	65.45%	0%	-47				
A10100	Terracotta Production - Tower (Bulk)	165	13-Apr-17	02-Nov-17	13-Apr-17	02-Nov-17	4.24%	0%	-47				
A10160	Delivery of Terracotta to Precast Factory from Italy (by ship)	131	30-Jun-17	04-Dec-17	30-Jun-17	04-Dec-17	0%	0%	-47				A10160
Precast Concrete Facade													
A10110	Precast Concrete Mould Making	153	05-Jun-17	04-Dec-17	05-Jun-17	04-Dec-17	0%	0%	-22				A10110
03 GW with T Mullion (Kinked & Straight B1F to GF) (Bulk)													
A54490	Production & Fabrication - GW with T Mullion (Kinked & Straight B1F to GF)	187	28-Jun-17	31-Dec-17	28-Jun-17	31-Dec-17	0%	0%	-68				A54490
Glass Production & Fabrication													
A10190	Coated Glass Production	94	28-Jun-17	18-Oct-17	28-Jun-17	18-Oct-17	0%	0%	-55				A10190
04B GW with Ceramic Mullion (GF & 1F) (Bulk)													
A54540	Production & Fabrication - GW with Ceramic Mullion (GF & 1F)	216	05-May-17	06-Dec-17	05-May-17*	06-Dec-17	0%	0%	0				A54540
Glass Production & Fabrication													
A10460	Coated Glass Production	75	05-May-17	02-Aug-17	05-May-17	02-Aug-17	0%	0%	0				A10460
07 L3 Storefront (Bulk)													
A18870	Production & Fabrication - L3 Storefront	213	01-Apr-17	30-Oct-17	01-Apr-17	30-Oct-17	0%	0%	0				A18870
Glass Production & Fabrication													
A19170	Coated Glass Production	97	01-Apr-17	01-Aug-17	01-Apr-17*	01-Aug-17	0%	0%	0				A19170
Alum Frame Production & Fabrication													
A18890	Die Making - Bulk Production	71	01-Apr-17	30-Jun-17	01-Apr-17	30-Jun-17	0%	0%	0				A18890
08 Garden Gallery Ceramic Cladding 3F (Bulk)													
A19190	Production & Fabrication - Garden Gallery Ceramic Cladding 3F	108	06-May-17	22-Aug-17	06-May-17	22-Aug-17	0%	0%	-31				A19190
Brackets Production & Fabrication (SS)													
A18930	Production & Fabrication	35	05-Apr-17	20-May-17	05-Apr-17*	20-May-17	0%	0%	0				A18930
A18940	Delivery of SS Bracket to Site	6	22-May-17	27-May-17	22-May-17	27-May-17	0%	0%	0				A18940
Terracotta Production & Fabrication													
A18950	Terracotta Production	45	05-Apr-17	02-Jun-17	05-Apr-17	02-Jun-17	0%	0%	0				A18950
09 North Perimeter Louvre Cladding (Bulk)													
A19210	Production & Fabrication - North Perimeter Louvre Cladding	294	06-Apr-17	24-Jan-18	06-Apr-17	24-Jan-18	0%	0%	0				A19210
Cladding & Louvre Production & Fabrication													
A18990	Die Making - Bulk Production	59	06-Apr-17	20-Jun-17	06-Apr-17*	20-Jun-17	0%	0%	0				A18990
10 Doors (Bulk)													
A19230	Production & Fabrication - Doors	334	26-Jul-17	24-Jun-18	26-Jul-17	24-Jun-18	0%	0%	-69				A19230
Doors Production & Fabrication													
A19060	Die Making	89	06-Mar-17	24-Jun-17	06-Mar-17*	24-Jun-17	0%	0%	0				A19060
M+ Podium External Envelope (By RedLand, Permasteelisa)													
3/F Roof Level													
(By Permasteelisa) Skylight/Ceramic Cladding/Storefront													
Zone M, F & N													
A47590	Handover Zone M - 3/F Working Area	0		09-Jun-17		09-Jun-17	0%	0%	-24				A47590
M+ Tower External Envelope (By Permasteelisa)													
Tower Facade Advance Works													
Provision of Monorails, Catch fan & Working Platform													
A14820	Preparation & Design of Monorails	12	03-Apr-17	20-Apr-17	03-Apr-17*	20-Apr-17	0%	0%	0				A14820
A14830	Monorails - 1st Submission, Review and Approval by MJV	12	21-Apr-17	06-May-17	21-Apr-17	06-May-17	0%	0%	0				A14830
A14840	Monorails - 2nd Submission, Review and Approval by MJV	12	08-May-17	20-May-17	08-May-17	20-May-17	0%	0%	0				A14840
Provision of Catchfan													
A42770	Preparation & Design of Catchfan & Working Platform	12	22-May-17	05-Jun-17	22-May-17	05-Jun-17	0%	0%	0				A42770
Provision of Tower Crane TC6 on B1/F & 3/F Podium													
A51070	Erect TC6-1 @ Zone E on B1 Slab to 110.95 (mass level)	5	24-Feb-17	01-Mar-17	06-Jan-17	14-Jan-17 A	100%	100%	15				
A51080	Inspection and ICE & RPE Certification	2	02-Mar-17	03-Mar-17	18-Jan-17	18-Jan-17 A	100%	100%	14				
A42830	Zone E - 3/F Slab Complete	0		05-Jun-17		05-Jun-17	0%	0%	-13				A42830
CSF & RDE Construction													
Sub-Structure RC Works													
B2/F Level													
North Zoning @ Portion - T													
Remaining Portion B7 @ Grid Line K' to A' / 5' to 7'													
A48100	Construct B2 Slab (B7) (160 m3)	11	09-Nov-16	21-Nov-16	09-Nov-16	25-Feb-17	100%	90%	-76				
B1/F Level													
North Zoning @ Portion - R													
Portion B1R1 @ Grid Line I' to J' / 6' to 1													
A48220	Remove Scaffolds and 1st Layer of Struts	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	100%	0%	-30				
Portion B1R2 @ Grid Line G' to I' / 6' to 1													
A48260	Remove Scaffolds and Cleaning	3	24-Feb-17	27-Feb-17	24-Feb-17	27-Feb-17	100%	0%	-28				
Portion B1R5 @ Grid Line A' to A' / 3 to 4													
A10870	Remove Scaffolds and Cleaning	3	24-Feb-17	27-Feb-17	24-Feb-17	27-Feb-17	100%	0%	-45				
Portion B1R3 @ Grid Line A' to C' / 6' to 7'													
A48270	Construct beams & slab (B1/F) (106 m3)	16	04-Mar-17	22-Mar-17	28-Dec-16	09-Feb-17 A	100%	100%	-17				
A48280	Concrete Curing period (2-weeks)	17	23-Mar-17	08-Apr-17	10-Feb-17	24-Feb-17 A	100%	100%	-21				
A48290	Remove Scaffolds and Cleaning	3	24-Feb-17	27-Feb-17	24-Feb-17	27-Feb-17	100%	0%	-18				
Portion B1R4 @ Grid Line A' to A' / 6' to 7'													
A48300	Construct beams & slab (B1/F) (100 m3)	15	24-Feb-17	13-Mar-17	09-Feb-17	02-Mar-17	100%	60%	-22				
A48310	Concrete Curing period (2-weeks)	12	03-Mar-17	14-Mar-17	03-Mar-17	14-Mar-17	100%	0%	-26				
A48320	Remove Scaffolds and Cleaning	3	15-Mar-17	17-Mar-17	15-Mar-17	17-Mar-17	100%	0%	-22				
North Zoning @ Portion - S													
Portion S2 @ Grid Line A' / 6' to 2													
A48340	Construct B1 Slab on Grid (Entrance Portal Road - RC 150 m3,)	14	03-Mar-17	18-Mar-17	03-Mar-17	18-Mar-17	100%	0%	-22				
A48350	Concrete Curing period (2-days), remove formworks & cleaning	4	19-Mar-17	22-Mar-17	19-Mar-17	22-Mar-17	50%	0%	-25				
Portion S1 @ Grid Line A' / 2' to 3'													
A37930	Construct B1 Slab on Grid (CLP Cable Trench & Riser Room)	14	24-Feb-17	11-Mar-17	04-Jul-16	01-Mar-17	100%	70%	-43				
A37940	Concrete Curing period (2-days), remove formworks & cleaning	4	01-Mar-17	05-Mar-17	01-Mar-17	05-Mar-17	100%	0%	-54				

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
CSF Zoning @ Portion - T														
Portion B1T1 @ Grid Line D' to F' / 1' to 3'														
A48410	Concrete Curing period (2-weeks)	12	11-Mar-17	22-Mar-17	17-Jan-17	31-Jan-17 A	100%	100%	-14					
A48420	Remove scaffolds and 1st Layer of Struts	6	24-Feb-17	02-Mar-17	24-Feb-17	02-Mar-17	100%	0%	-30					
Portion B1T2 @ Grid Line D' to F' / 3' to 5'														
A48470	Remove scaffolds & cleaning	6	24-Feb-17	02-Mar-17	24-Feb-17	02-Mar-17	100%	0%	-45					
Portion B1T3 @ Grid Line D' to G' / 5' to 6'														
A48520	Remove scaffolds & cleaning	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	100%	0%	-52					
Portion B1T4 @ Grid Line B' to D' / 3' to 6'														
A48540	Construct beams & slab (B1/F) (230 m3)	16	24-Feb-17	14-Mar-17	09-Jan-17	11-Feb-17 A	100%	100%	-26					
A48550	Concrete Curing period (2-weeks)	12	15-Mar-17	26-Mar-17	08-Feb-17	20-Feb-17 A	100%	100%	-31					
A48560	Remove scaffolds & cleaning	4	24-Feb-17	28-Feb-17	24-Feb-17	28-Feb-17	100%	0%	-27					
Portion B1T5 @ Grid Line A' to B' / 4' to 6'														
A48580	Construct Columns & Walls B2 to B1/F @ GL A'-B' / 4'-6'	11	24-Feb-17	08-Mar-17	24-Feb-17	08-Mar-17	100%	0%	-27					
A48590	Construct beams & slab (B1/F) (135 m3)	12	04-Mar-17	17-Mar-17	04-Mar-17	17-Mar-17	100%	0%	-27					
A48600	Concrete Curing period (2-weeks)	11	18-Mar-17	28-Mar-17	18-Mar-17	28-Mar-17	81.82%	0%	-31					
A48610	Remove scaffolds & cleaning	5	29-Mar-17	03-Apr-17	29-Mar-17	03-Apr-17	0%	0%	-26					
Portion B1T6 @ Grid Line A' to A' / 5' to 6'														
A48620	Construct Columns & Walls B2 to B1/F @ GL A'-A' / 5'-6'	7	09-Mar-17	16-Mar-17	09-Mar-17	16-Mar-17	100%	0%	-27					
A48630	Construct beams & slab (B1/F) (135 m3)	13	14-Mar-17	28-Mar-17	14-Mar-17	28-Mar-17	92.31%	0%	-27					
A48640	Concrete Curing period (2-weeks)	10	29-Mar-17	07-Apr-17	29-Mar-17	07-Apr-17	0%	0%	-32					
A48650	Remove scaffolds & cleaning	5	08-Apr-17	13-Apr-17	08-Apr-17	13-Apr-17	0%	0%	-27					
RDE Zoning @ Portion - U														
Portion B1U1 @ Grid Line R' to J' / 1' to 4'														
A48710	Remove scaffolds and 1st Layer of Struts	6	24-Feb-17	02-Mar-17	24-Feb-17	02-Mar-17	100%	0%	-36					
Portion B1U2 @ Grid Line I' to J' / 4' to 6'														
A48760	Concrete Curing period (2-weeks)	12	10-Mar-17	21-Mar-17	15-Jan-17	29-Jan-17 A	100%	100%	-13					
A48780	Remove Scaffolds and 1st Layer of Struts	10	24-Feb-17	07-Mar-17	07-Feb-17	06-Mar-17	100%	10%	-30					
Portion B1U3 @ Grid Line F' to H' / 1' to 3'														
A48840	Remove scaffolds and 1st Layer of Struts	6	24-Feb-17	02-Mar-17	24-Feb-17	02-Mar-17	100%	0%	-33					
Portion B1U4 @ Grid Line F' to H' / 3' to 6'														
A48880	Remove scaffolds & cleaning	5	24-Feb-17	01-Mar-17	24-Feb-17	01-Mar-17	100%	0%	-26					
LG/F Level														
CSF Zoning @ Portion - T														
Portion LGT2 @ Grid Line D' to F' / 3' to 5'														
A48930	Concrete Curing period (2-weeks)	13	12-Mar-17	24-Mar-17	25-Jan-17	06-Feb-17 A	100%	100%	-13					
A48940	Remove scaffolds & cleaning	11	24-Feb-17	08-Mar-17	24-Feb-17	08-Mar-17	100%	0%	-24					
Portion LGT3 @ Grid Line D' to F' / 5' to 6'														
A48980	Remove scaffolds & cleaning	6	24-Feb-17	02-Mar-17	24-Feb-17	02-Mar-17	100%	0%	-29					
Portion LGT4 @ Grid Line B' to D' / 3' to 5'														
A49000	Construct Cols & Perimeter Walls B1/F to LG/F @ GL B'-D' / 3'-5'	4	24-Feb-17	28-Feb-17	20-Feb-17	28-Feb-17	100%	10%	-37					
A49010	Construct beams & slab (LG/F) (145 m3)	11	28-Feb-17	13-Mar-17	28-Feb-17	13-Mar-17	100%	0%	-37					
A49020	Concrete Curing period (2-weeks)	14	13-Mar-17	27-Mar-17	13-Mar-17	27-Mar-17	100%	0%	-47					
A49030	Remove scaffolds & cleaning	6	27-Mar-17	03-Apr-17	27-Mar-17	03-Apr-17	100%	0%	-40					
Portion LGT5 @ Grid Line A' to D' / 5' to 6'														
A49040	Construct Columns & Walls B1/F to LG/F @ GL A'-D' / 5'-6'	29	03-Mar-17	07-Apr-17	20-Feb-17	20-Mar-17	100%	30%	-21					
A49050	Construct beams & slab (LG/F) (135 m3)	11	20-Mar-17	01-Apr-17	20-Mar-17	01-Apr-17	9.09%	0%	-21					
A49060	Concrete Curing period (2-weeks)	13	01-Apr-17	14-Apr-17	01-Apr-17	14-Apr-17	0%	0%	-24					
A49070	Remove scaffolds & cleaning	5	18-Apr-17	22-Apr-17	18-Apr-17	22-Apr-17	0%	0%	-20					
RDE Zoning @ Portion - U														
Portion LGU1 @ Grid Line H' to J' / 1' to 3'														
A49100	Construct Cols & Perimeter Walls LG/F to G/F @ GL H'-J' / 1'-3'	5	15-Dec-16	20-Dec-16	15-Dec-16	03-Feb-17 A	100%	100%	-32					
A49110	Construct beams & slab (LG/F) (164 m3)	19	24-Feb-17	17-Mar-17	16-Jan-17	10-Feb-17 A	100%	100%	-22					
A49120	Concrete Curing period (2-weeks)	13	18-Mar-17	30-Mar-17	11-Feb-17	25-Feb-17	100%	90%	-31					
A49130	Remove scaffolds & cleaning	5	25-Feb-17	03-Mar-17	25-Feb-17	03-Mar-17	100%	0%	-24					
Portion LGU2 @ Grid Line F' to H' / 1' to 3'														
A49140	Construct Cols & Perimeter Walls B1/F to LG/F @ GL F'-H' / 1'-3'	6	24-Feb-17	02-Mar-17	04-Jan-17	03-Feb-17 A	100%	100%	-18					
A49150	Construct beams & slab (LG/F) (215 m3)	9	03-Mar-17	13-Mar-17	12-Jan-17	10-Feb-17 A	100%	100%	-15					
A49170	Concrete Curing period (2-weeks)	14	14-Mar-17	27-Mar-17	11-Feb-17	25-Feb-17	100%	90%	-22					
A49180	Remove scaffolds & cleaning	6	25-Feb-17	04-Mar-17	25-Feb-17	04-Mar-17	100%	0%	-19					
Portion LGU3 @ Grid Line F' to J' / 3' to 6'														
A49190	Construct Lift Core Walls & Cols B1/F to LG/F @ GL F'-I' / 3'-6'	9	24-Feb-17	06-Mar-17	13-Jan-17	20-Feb-17 A	100%	100%	-24					
A49200	Construct beams & slab (LG/F) (352 m3)	9	02-Mar-17	11-Mar-17	16-Jan-17	24-Feb-17 A	100%	100%	-23					
A49210	Concrete Curing period (2-weeks)	14	24-Feb-17	09-Mar-17	24-Feb-17	09-Mar-17	100%	5%	-29					
A49220	Remove scaffolds & cleaning	6	09-Mar-17	16-Mar-17	09-Mar-17	16-Mar-17	100%	0%	-25					
G/F Level														
North Zoning @ Portion - R (B1/F to G/F)														
Portion GFR1 @ Grid Line I' to J' / 5' to 1														
A49240	Construct Columns & Walls & Cols B1/F to G/F @ GL I'-J' / 5'-1	16	24-Feb-17	14-Mar-17	13-Feb-17	14-Mar-17	100%	5%	-26					
A49230	Commenced RC Structure From B1/F to G/F	0	24-Feb-17		24-Feb-17		100%	0%	-30					
A49250	Construct beams & slab (G/F) (180 m3)	18	14-Mar-17	05-Apr-17	14-Mar-17	05-Apr-17	61.11%	0%	-26					
A49260	Concrete Curing period (2-weeks)	12	05-Apr-17	17-Apr-17	05-Apr-17	17-Apr-17	0%	0%	-32					
A49270	Remove scaffolds & cleaning	6	18-Apr-17	24-Apr-17	18-Apr-17	24-Apr-17	0%	0%	-24					
Portion GFR2 @ Grid Line F' to H' / 5' to 1														
A49280	Construct Columns & Walls & Cols B1/F to G/F @ GL F'-H' / 5'-1	16	15-Mar-17	01-Apr-17	06-Feb-17	14-Mar-17	68.75%	5%	-10					
A49290	Construct beams & slab (G/F) (175 m3)	18	05-Apr-17	29-Apr-17	05-Apr-17	29-Apr-17	0%	0%	-26					
A49300	Concrete Curing period (2-weeks)	12	29-Apr-17	11-May-17	29-Apr-17	11-May-17	0%	0%	-35					
A49310	Remove scaffolds & cleaning	6	11-May-17	18-May-17	11-May-17	18-May-17	0%	0%	-25					
Portion GFR3 & GFR4 @ Grid Line E' to F' / 6' to 2														
A49330	Construct Columns & Walls & Cols B1/F to G/F @ GL F'-H' / 5'-1	16	14-Mar-17	01-Apr-17	14-Mar-17	01-Apr-17	0%	0%	-10					
A49340	Construct beams & slab (G/F) (184 m3)	16	29-Apr-17	20-May-17	29-Apr-17	20-May-17	0%	0%	-26					
A49350	Concrete Curing period (2-weeks)	12	20-May-17	01-Jun-17	20-May-17	01-Jun-17	0%	0%	-36					

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
A49360	Remove scaffolds & cleaning	6	01-Jun-17	08-Jun-17	01-Jun-17	08-Jun-17	0%	0%	-28					
Portion GFR5 @ Grid Line C' to E' / 1 to 2														
A49370	Construct Columns & Walls & Cols B1/F to G/F @ GL C'-E' / 1-2	14	01-Apr-17	22-Apr-17	01-Apr-17	22-Apr-17	0%	0%	-10					
A49380	Construct beams & slab (G/F) (149 m3)	14	20-May-17	07-Jun-17	07-Jun-17	07-Jun-17	0%	0%	-26					
A49390	Concrete Curing period (2-weeks)	12	07-Jun-17	19-Jun-17	07-Jun-17	19-Jun-17	0%	0%	-32					
A49400	Remove scaffolds & cleaning	6	19-Jun-17	26-Jun-17	19-Jun-17	26-Jun-17	0%	0%	-26					
Portion GFR6 @ Grid Line D' to E' / 6' to 1														
A49420	Construct Columns & Walls & Cols B1/F to G/F @ GL D'-E' / 6'-1	14	22-Apr-17	11-May-17	22-Apr-17	11-May-17	0%	0%	-10					
A49430	Construct beams & slab (G/F) (109 m3)	14	07-Jun-17	23-Jun-17	07-Jun-17	23-Jun-17	0%	0%	-26					
A49440	Concrete Curing period (2-weeks)	12	23-Jun-17	05-Jul-17	23-Jun-17	05-Jul-17	0%	0%	-31					
Portion GFR7 @ Grid Line C' to D' / 6' to 1														
A49460	Construct Columns & Walls & Cols B1/F to G/F @ GL C'-D' / 6'-1	14	11-May-17	27-May-17	11-May-17	27-May-17	0%	0%	-10					
A49470	Construct beams & slab (G/F) (148 m3)	14	27-May-17	14-Jun-17	27-May-17	14-Jun-17	0%	0%	-10					
Portion GFR8 @ Grid Line A' to C' / 6' to 7'														
A49510	Construct Columns & Walls & Cols B1/F to G/F @ GLA'-C' / 6'-7'	14	19-May-17	06-Jun-17	19-May-17	06-Jun-17	0%	0%	-10					
Portion GFR11 @ Grid Line A to A' / 1 to 2														
A49550	Construct Columns & Walls & Cols B1/F to G/F @ GLA'-A' / 1-2	14	03-Jun-17	20-Jun-17	03-Jun-17	20-Jun-17	0%	0%	-10					
CSF Zoning @ Portion - T (LG/F to G/F)														
Portion GFT1 (LG/F to G/F) @ Grid Line D' to F' / 1' to 3'														
A49790	Construct Columns & Walls & Cols B1/F to G/F @ GLD'-F' / 1'-3'	3	24-Feb-17	27-Feb-17	17-Jan-17	27-Feb-17	100%	32.99%	-26					
A49800	Construct beams & slab (G/F) (141 m3)	25	27-Feb-17	28-Mar-17	27-Feb-17	28-Mar-17	96%	0%	-26					
A49810	Concrete Curing period (2-weeks)	12	28-Mar-17	09-Apr-17	28-Mar-17	09-Apr-17	0%	0%	-31					
A49820	Remove scaffolds & cleaning	6	10-Apr-17	19-Apr-17	10-Apr-17	19-Apr-17	0%	0%	-26					
A49830	Complete RDE Trx Room and Give Access to ABWF & MEP	0	20-Apr-17	20-Apr-17	20-Apr-17	20-Apr-17	0%	0%	-26					
Portion GFT2 (LG/F to G/F) @ Grid Line D' to F' / 3' to 5'														
A49850	Construct CSF Lift Corewalls & Cols LG/F to G/F @ GLD'-F' / 3'-5'	7	24-Feb-17	03-Mar-17	25-Jan-17	16-Feb-17 A	100%	100%	-21					
A49860	Construct beams & slab (G/F) (260 m3)	20	24-Feb-17	18-Mar-17	17-Feb-17	02-Mar-17	100%	70%	-14					
A49870	Concrete Curing period (2-weeks)	13	03-Mar-17	15-Mar-17	03-Mar-17	15-Mar-17	69.23%	0%	-16					
A49880	Remove scaffolds & cleaning	5	16-Mar-17	21-Mar-17	16-Mar-17	21-Mar-17	0%	0%	-14					
Portion GFT3 (LG/F to G/F) @ Grid Line D' to G' / 5' to 6'														
A49890	Construct Walls & Cols LG/F to G/F @ GLD'-G' / 5'-6'	6	24-Feb-17	02-Mar-17	14-Jan-17	13-Feb-17 A	100%	100%	-23					
A49900	Construct beams & slab (G/F) (156 m3)	9	24-Feb-17	06-Mar-17	14-Feb-17	27-Feb-17	100%	70%	-27					
A49910	Concrete Curing period (2-weeks)	14	27-Feb-17	13-Mar-17	27-Feb-17	13-Mar-17	100%	0%	-35					
A49920	Remove scaffolds & cleaning	5	13-Mar-17	18-Mar-17	13-Mar-17	18-Mar-17	100%	0%	-30					
Portion GFT4 (LG/F to G/F) @ Grid Line B' to D' / 3' to 6'														
A49930	Construct Walls & Cols LG/F to G/F @ GLB'-D' / 3'-6'	10	13-Mar-17	24-Mar-17	13-Mar-17	24-Mar-17	100%	0%	-37					
A49940	Construct beams & slab (G/F) (284 m3)	12	24-Mar-17	08-Apr-17	24-Mar-17	08-Apr-17	100%	0%	-37					
A49970	Commence CSF Building From G/F to 8/F (CMWP - 24 Mar 17)	0	03-Apr-17	03-Apr-17	03-Apr-17	03-Apr-17	100%	0%	-37					
A49950	Concrete Curing period (2-weeks)	13	08-Apr-17	21-Apr-17	08-Apr-17	21-Apr-17	0%	0%	-44					
A49960	Remove scaffolds & cleaning	6	21-Apr-17	28-Apr-17	21-Apr-17	28-Apr-17	0%	0%	-34					
Portion GFT5 (B1/F to G/F) @ Grid Line A' to B' / 3' to 6'														
A49980	Construct Walls & Cols B1/F to G/F @ GLA'-B' / 3'-6'	10	24-Feb-17	07-Mar-17	24-Feb-17	07-Mar-17	100%	0%	-25					
A49990	Construct beams & slab (G/F) (170 m3)	12	08-Mar-17	21-Mar-17	08-Mar-17	21-Mar-17	100%	0%	-25					
A50010	Concrete Curing period (2-weeks)	14	22-Mar-17	04-Apr-17	22-Mar-17	04-Apr-17	21.43%	0%	-29					
A50020	Remove scaffolds & cleaning	5	05-Apr-17	10-Apr-17	05-Apr-17	10-Apr-17	0%	0%	-24					
Portion GFT6 (B1/F to G/F) @ Grid Line A to A' / 5' to 6'														
A50030	Construct Walls & Cols B1/F to G/F @ GLA'-A' / 5'-6'	7	05-Apr-17	12-Apr-17	05-Apr-17	12-Apr-17	0%	0%	-25					
A50040	Construct beams & slab (G/F) (216 m3)	18	13-Apr-17	09-May-17	13-Apr-17	09-May-17	0%	0%	-25					
A50050	Concrete Curing period (2-weeks)	13	10-May-17	22-May-17	10-May-17	22-May-17	0%	0%	-36					
A50060	Remove scaffolds & cleaning	4	23-May-17	26-May-17	23-May-17	26-May-17	0%	0%	-28					
RDE Zoning @ Portion - U (LG/F to G/F)														
Portion GFU1 (LG/F to G/F) @ Grid Line H' to J' / 1' to 4'														
A50070	Commence RC Structure From LG/F to G/F	0	24-Feb-17		11-Feb-17		100%	100%	-26					
A50090	Construct Columns & Walls LG/F to G/F @ GLH'-J' / 1'-4'	6	24-Feb-17	02-Mar-17	11-Feb-17	01-Mar-17	100%	20%	-33					
A50100	Construct beams & slab (G/F) (206 m3)	25	01-Mar-17	30-Mar-17	01-Mar-17	30-Mar-17	100%	0%	-33					
A50110	Concrete Curing period (2-weeks)	12	30-Mar-17	11-Apr-17	30-Mar-17	11-Apr-17	25%	0%	-38					
A50120	Remove scaffolds & cleaning	6	11-Apr-17	21-Apr-17	11-Apr-17	21-Apr-17	0%	0%	-31					
Portion GFU2 (LG/F to G/F) @ Grid Line I' to J' / 4' to 6'														
A50130	Construct Columns & Walls LG/F to G/F @ GLI'-J' / 4'-6'	7	24-Feb-17	03-Mar-17	24-Feb-17	03-Mar-17	100%	0%	-42					
A50140	Construct beams & slab (G/F) (178 m3)-Deferred due to hoisting steel plate at 1l	13	04-Mar-17	18-Mar-17	04-Mar-17	18-Mar-17	100%	0%	-42					
A50150	Concrete Curing period (2-weeks)	12	19-Mar-17	30-Mar-17	19-Mar-17	30-Mar-17	100%	0%	-52					
A50160	Remove scaffolds & cleaning	6	31-Mar-17	07-Apr-17	31-Mar-17	07-Apr-17	100%	0%	-45					
Portion GFU3 (LG/F to G/F) @ Grid Line F' to I' / 1' to 3'														
A50170	Construct Columns & Walls LG/F to G/F @ GLF'-I' / 1'-3'	5	28-Feb-17	06-Mar-17	11-Feb-17	28-Feb-17	100%	20%	-26					
A50180	Construct beams & slab (G/F) (269 m3)	14	08-Mar-17	23-Mar-17	08-Mar-17	23-Mar-17	100%	0%	-26					
A50190	Concrete Curing period (2-weeks)	12	24-Mar-17	04-Apr-17	24-Mar-17	04-Apr-17	16.67%	0%	-30					
A50200	Remove scaffolds & cleaning	6	05-Apr-17	11-Apr-17	05-Apr-17	11-Apr-17	0%	0%	-25					
Portion GFU4 (LG/F to G/F) @ Grid Line F' to I' / 3' to 5'														
A50210	Construct RDE Core walls & Cols LG/F to G/F @ GLF'-I' / 3'-5'	16	24-Feb-17	14-Mar-17	24-Feb-17	14-Mar-17	100%	0%	-24					
A50220	Construct beams & slab (G/F) (366 m3)	14	13-Mar-17	28-Mar-17	13-Mar-17	28-Mar-17	71.43%	0%	-24					
A50230	Concrete Curing period (2-weeks)	12	29-Mar-17	09-Apr-17	29-Mar-17	09-Apr-17	0%	0%	-28					
A50260	Commence RDE Building From G/F to 15M/F (CMWP-20 Mar 17)	0	30-Mar-17	30-Mar-17	30-Mar-17	30-Mar-17	0%	0%	-24					
A50240	Remove scaffolds & cleaning	6	10-Apr-17	19-Apr-17	10-Apr-17	19-Apr-17	0%	0%	-23					
CSF Super-Structure RC Works														
CSF Building														
CSF Structure @ Portion - T (G/F to 8/F)														
Grid Line B' to F' / 4' to 6'														
A50700	Commence CSF Structure From G/F to 8/F	0	03-Apr-17		03-Apr-17		100%	0%	-37					
A50710	CSF - Walls, Columns & 1/F Slab	24	03-Apr-17	08-May-17	03-Apr-17	08-May-17	16.67%	0%	-37					
A50720	CSF - Walls, Columns & 2/F Slab	20	08-May-17	01-Jun-17	08-May-17	01-Jun-17	0%	0%	-37					
A50730	CSF - Walls, Columns & 3/F Slab	12	01-Jun-17	15-Jun-17	01-Jun-17	15-Jun-17	0%	0%	-37					

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
A50750	CSF - Walls, Columns & 4/F Slab	10	15-Jun-17	27-Jun-17	15-Jun-17	27-Jun-17	0%	0%	-37				A50750	
A50760	CSF - Walls, Columns & 5/F Slab	8	27-Jun-17	07-Jul-17	27-Jun-17	07-Jul-17	0%	0%	-37				A50760	
CSF Building FACADE Preliminaries														
ENGINEERING & APPROVAL - CSF														
SHOPDRAWING - CSF Glass Wall (All Area)														
A19250	1st Shopdrawing Submission	14	24-Feb-17	09-Mar-17	24-Feb-17	09-Mar-17	100%	0%	-69				1st Shopdrawing Submission	
A19260	1st Shopdrawing Submission - Review & Approval	21	10-Mar-17	30-Mar-17	10-Mar-17	30-Mar-17	100%	0%	-69				1st Shopdrawing Submission - Review & Approval	
A19270	2nd Shopdrawing Submission	14	31-Mar-17	13-Apr-17	31-Mar-17	13-Apr-17	100%	0%	-69				2nd Shopdrawing Submission	
A19280	2nd Shopdrawing Submission - Review & Approval	21	14-Apr-17	04-May-17	14-Apr-17	04-May-17	95.24%	0%	-69	A19280			2nd Shopdrawing Submission	
SHOPDRAWING - Facade Doors Package #11 - CSF Doors - Total No. = 2														
A19290	1st Shopdrawing Submission	96	24-Feb-17	30-May-17	24-Feb-17*	30-May-17	71.88%	0%	-69					
A19300	1st Shopdrawing Submission - Review & Approval	21	31-May-17	20-Jun-17	31-May-17	20-Jun-17	0%	0%	-69			A19300		
A19310	2nd Shopdrawing Submission	14	21-Jun-17	04-Jul-17	21-Jun-17	04-Jul-17	0%	0%	-69				A19310	
A19320	2nd Shopdrawing Submission - Review & Approval	21	05-Jul-17	25-Jul-17	05-Jul-17	25-Jul-17	0%	0%	-69				A19320	
SHOPDRAWING - CSF Roof Louvre Wall														
A19330	1st Shopdrawing Submission & Comment	24	24-Feb-17	23-Mar-17	24-Feb-17*	23-Mar-17	100%	0%	-53				1st Shopdrawing Submission & Comment	
A19340	2nd Shopdrawing Submission & Comment	18	24-Mar-17	18-Apr-17	24-Mar-17	18-Apr-17	100%	0%	-53				2nd Shopdrawing Submission & Comment	
A19350	Aluminium Section Profile Approval	0	24-Mar-17	24-Mar-17	24-Mar-17	24-Mar-17	100%	0%	-53				Aluminium Section Profile Approval	
A19360	3rd Shopdrawing Submission & Comment	18	19-Apr-17	11-May-17	19-Apr-17	11-May-17	61.11%	0%	-53	A19360			3rd Shopdrawing	
BD SUBMISSION FACADE SYSTEM & EMBEDS														
CSF Glass Wall (All Area), incl. CSF Louvre - FAC-LV-03 (additional Scope)														
A19370	1st Submission	12	24-Feb-17	07-Mar-17	24-Feb-17*	07-Mar-17	100%	0%	-69				1st Submission	
A19380	1st Submission - Review & Approval by MJV	14	08-Mar-17	21-Mar-17	08-Mar-17	21-Mar-17	100%	0%	-69				1st Submission - Review & Approval by MJV	
A19390	2nd Submission	7	22-Mar-17	28-Mar-17	22-Mar-17	28-Mar-17	100%	0%	-69				2nd Submission	
A19400	2nd Submission - Review & Approval by MJV (w/ RSE Endorsement)	14	29-Mar-17	11-Apr-17	29-Mar-17	11-Apr-17	100%	0%	-69				2nd Submission - Review & Approval by MJV (w/ RSE Endorsement)	
A19410	CSF Glass Wall (All Area) - Submission to BD	0		11-May-17		11-May-17	0%	0%	-53			A19410	CSF Glass Wall	
A19420	CSF Glass Wall (All Area) - BD Approval	60	12-May-17	10-Jul-17	12-May-17	10-Jul-17	0%	0%	-69			A19420		
A19430	CSF Glass Wall (All Area) - Concnet	30	11-Jul-17	09-Aug-17	11-Jul-17	09-Aug-17	0%	0%	-69				A19430	
PERFORMANCE TEST - SHOPDRAWING SUBMISSION, FABRICATION, INSTALLATION & TEST														
PERFORMANCE TEST & MOCK UP - CSF														
A19440	Shopdrawing Submission & Approval	70	24-Feb-17	23-May-17	24-Feb-17*	23-May-17	75.71%	0%	-53					
A19450	Ordering & Production of Material	107	24-Mar-17	04-Aug-17	24-Mar-17	04-Aug-17	27.1%	0%	-53					
PMU SHOPDRAWING SUBMISSION & TEST - CSF Building														
A19480	Perf MU - 1st Shopdrawing Submission	26	24-Feb-17	21-Mar-17	24-Feb-17*	21-Mar-17	100%	0%	-69				Perf MU - 1st Shopdrawing Submission	
A19490	Perf MU - 1st Shopdrawing Submission - Review & Approval	21	22-Mar-17	11-Apr-17	22-Mar-17	11-Apr-17	100%	0%	-69				Perf MU - 1st Shopdrawing Submission - Review & Approval	
A19500	Perf MU - 2nd Shopdrawing Submission	14	12-Apr-17	25-Apr-17	12-Apr-17	25-Apr-17	100%	0%	-69	A19500			Perf MU - 2nd Shopdrawing Submission	
A19520	Perf MU - CSF Facade Ordering & Production	100	12-Apr-17	20-Jul-17	12-Apr-17	20-Jul-17	22%	0%	-69	A19520				
A19510	Perf MU - 2nd Shopdrawing Submission - Review & Approval	21	26-Apr-17	16-May-17	26-Apr-17	16-May-17	38.1%	0%	-69			A19510	Perf MU -	
A19530	Perf MU - CSF Facade Installation	42	21-Jul-17	07-Sep-17	21-Jul-17	07-Sep-17	0%	0%	-57				A19530	
BIM MODEL SUBMISSION														
BIM MODEL SUBMISSION - CSF Glass Wall (All Area)														
A19740	1st BIM Model Submission	12	24-Feb-17	07-Mar-17	24-Feb-17*	07-Mar-17	100%	0%	-69				1st BIM Model Submission	
A19750	1st BIM Model Submission - Review & Approval	21	08-Mar-17	28-Mar-17	08-Mar-17	28-Mar-17	100%	0%	-69				1st BIM Model Submission - Review & Approval	
A19760	2nd BIM Model Submission	14	29-Mar-17	11-Apr-17	29-Mar-17	11-Apr-17	100%	0%	-69				2nd BIM Model Submission	
A19770	2nd BIM Model Submission - Review & Approval	21	12-Apr-17	02-May-17	12-Apr-17	02-May-17	100%	0%	-69	A19770			2nd BIM Model Submission - F	
BIM MODEL SUBMISSION - CSF Louvre FAC-LV-03 (Additional Scope)														
A19780	1st BIM Model Submission	12	24-Feb-17	07-Mar-17	24-Feb-17*	07-Mar-17	100%	0%	-69				1st BIM Model Submission	
A19790	1st BIM Model Submission - Review & Approval	21	08-Mar-17	28-Mar-17	08-Mar-17	28-Mar-17	100%	0%	-69				1st BIM Model Submission - Review & Approval	
A19800	2nd BIM Model Submission	14	29-Mar-17	11-Apr-17	29-Mar-17	11-Apr-17	100%	0%	-69				2nd BIM Model Submission	
A19810	2nd BIM Model Submission - Review & Approval	21	12-Apr-17	02-May-17	12-Apr-17	02-May-17	100%	0%	-69	A19810			2nd BIM Model Submission - F	
Fabrication & Delivery of CSF Facade System														
A19560	Glass Wall Production and Fabrication	221	24-Feb-17	21-Nov-17	24-Feb-17	21-Nov-17	3.62%	0%	-8			A19560		
A19570	Glass Production and Fabrication	127	01-Apr-17	05-Sep-17	01-Apr-17	05-Sep-17	0%	0%	-8			A19570		
A19580	Roof Louvre Wall Production & Fabrication	161	04-May-17	13-Nov-17	04-May-17	13-Nov-17	0%	0%	-8			A19580		
Glass Production & Fabrication														
A19590	Ordering of Coated Glass	68	01-Apr-17	27-Jun-17	01-Apr-17	27-Jun-17	0%	0%	-8			A19590		
Glass Wall Production & Fabrication														
A19610	Die Making	51	24-Feb-17	28-Apr-17	24-Feb-17*	28-Apr-17	15.69%	0%	-8			A19610	Die Making	
A19630	PVF2 Paint Ordering	51	01-Apr-17	07-Jun-17	01-Apr-17	07-Jun-17	0%	0%	-8			A19630		
A19620	Aluminium Extrusion Production	24	29-Apr-17	29-May-17	29-Apr-17	29-May-17	0%	0%	-8				A19620	
Roof Louvre Wall Production & Fabrication														
A19680	Steel Frame Fabrication - Roof Louvre	120	04-May-17	22-Sep-17	04-May-17	22-Sep-17	0%	0%	-8			A19680		
A19690	Die Making	60	04-May-17	14-Jul-17	04-May-17	14-Jul-17	0%	0%	-8			A19690		
CSF External Envelope														
CSF Structure Milestones														
A19820	CSF - Wall, Column & G/F to 1/F Slab Complete	0		08-May-17		08-May-17	0%	0%	-43			A19820	CSF - Wall, Column &	
FACADE INSTALLATION - by Permasteelisa														
Glazed Glass Curtain Wall - South Elevation														
A19950	Handover of Working Area (G/F)	0		08-May-17		08-May-17	0%	0%	-43			A19950	Handover of Working	
A19960	Surveying of Embeds (G/F to 1/F)	7	08-May-17	16-May-17	08-May-17	16-May-17	0%	0%	-43			A19960	Surveying	
A19970	Submission of Embeds survey report (G/F to 1/F)	7	16-May-17	24-May-17	16-May-17	24-May-17	0%	0%	-43			A19970		
A19980	Preparation of Remedial Method (G/F to 1/F)	14	24-May-17	09-Jun-17	24-May-17	09-Jun-17	0%	0%	-43			A19980		
A19990	Approval of Remedial Method (G/F to 1/F)	14	09-Jun-17	26-Jun-17	09-Jun-17	26-Jun-17	0%	0%	-43			A19990		
A20000	Bracket Installation (G/F to 1/F)	14	26-Jun-17	12-Jul-17	26-Jun-17	12-Jul-17	0%	0%	-43				A20000	
RDE Super-Structure RC Works														
RDE Building														
RDE Structure @ Portion - U (G/F to 15M/F)														
Block A Grid Line G' to J' / 1' to 6'														
A50830	Commence RDE Structure (Block-A) From G/F to 15M/F	0	30-Mar-17		30-Mar-17		0%	0%	-24			A50830	Commence RDE Structure (Block-A) From G/F to 15M/F	
A50840	RDE - Walls, Columns & 1/F Slab	24	30-Mar-17	02-May-17	30-Mar-17	02-May-17	0%	0%	-24			A50840	RDE - Walls, Columns & 1/F S	
A50850	RDE - Walls, Columns & 2/F Slab	20	04-May-17	26-May-17	04-May-17	26-May-17	0%	0%	-24			A50850		

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
A54020	2nd Performance Mock Up Test Design Submission of Window Wall (FC-WW-0	14	07-Apr-17	20-Apr-17	07-Apr-17	20-Apr-17	0%	0%	-20		A54020			
A53910	3rd Performance Mock Up Test Design Submission of Window Wall (FC-WW-0	14	21-Apr-17	04-May-17	21-Apr-17	04-May-17	78.57%	0%	-67	A53910				
A53970	3rd Performance Mock Up Test Design Submission of Window Wall (FC-WW-3	14	21-Apr-17	04-May-17	21-Apr-17	04-May-17	0%	0%	-24		A53970			
A54030	3rd Performance Mock Up Test Design Submission of Window Wall (FC-WW-0	14	21-Apr-17	04-May-17	21-Apr-17	04-May-17	0%	0%	-20			A54030		
A53920	3rd Performance Mock Up Test Design Submission of Window Wall (FC-WW-0	14	05-May-17	18-May-17	05-May-17	18-May-17	0%	0%	-67		A53920			
A53980	3rd Performance Mock Up Test Design Submission of Window Wall (FC-WW-3a	14	05-May-17	18-May-17	05-May-17	18-May-17	0%	0%	-24			A53980		
A54040	3rd Performance Mock Up Test Design Submission of Window Wall (FC-WW-0	14	05-May-17	18-May-17	05-May-17	18-May-17	0%	0%	-20			A54040		
BD DRAWING + DESIGN CALCULATION														
BD DRAWING + DESIGN CALCULATION - by Redland														
A54080	2nd BD Submission for PreCast Tubes, Columns and Roof Panel (FC-PC) - Revi	14	07-Apr-17	20-Apr-17	25-Nov-16	07-Dec-16 A	100%	100%	66		A54080			
BD DRAWING + DESIGN CALCULATION - by PISA														
A54120	2nd BD Submission Cast-in Embed for Window Wall, Facade Window, Louver a	14	24-Feb-17	09-Mar-17	29-Nov-16	15-Dec-16 A	100%	100%	58		A54120			
A54130	3rd BD Submission Cast-in Embed for Window Wall, Facade Window, Louver ar	14	10-Mar-17	23-Mar-17	16-Dec-16	28-Dec-16 A	92.86%	100%	59		A54130			
A54140	3rd BD Submission Cast-in Embed for Window Wall, Facade Window, Louver ar	14	24-Feb-17	09-Mar-17	24-Feb-17	09-Mar-17	0%	0%	1		A54140			
A54150	1st BD Submission Cast-in Embed for Window Wall & Louver at 2F to 14F	14	24-Feb-17	09-Mar-17	24-Feb-17*	09-Mar-17	100%	0%	-58		A54150			
A54210	1st BD Submission Cast-in Embed for Window Wall & Louver at 15F to RF	14	24-Feb-17	09-Mar-17	24-Feb-17*	09-Mar-17	100%	0%	-24	A54210				
A54270	1st BD Submission for Window Wall, Facade Window, Louver and operable pan	14	24-Feb-17	09-Mar-17	24-Feb-17*	09-Mar-17	100%	0%	-52		A54270			
A54330	1st BD Submission for Window Wall & Louver at 2F to 14F	14	25-Feb-17	10-Mar-17	25-Feb-17*	10-Mar-17	0%	0%	0		A54330			
A54160	1st BD Submission Cast-in Embed for Window Wall & Louver at 2F to 14F - Re	14	10-Mar-17	23-Mar-17	10-Mar-17	23-Mar-17	100%	0%	-58		A54160			
A54220	1st BD Submission Cast-in Embed for Window Wall & Louver at 15F to RF - Re	14	10-Mar-17	23-Mar-17	10-Mar-17	23-Mar-17	71.43%	0%	-24		A54220			
A54280	1st BD Submission for Window Wall, Facade Window, Louver and operable pan	14	10-Mar-17	23-Mar-17	10-Mar-17	23-Mar-17	100%	0%	-52		A54280			
A54340	1st BD Submission for Window Wall & Louver at 2F to 14F - Review & Approval	14	11-Mar-17	24-Mar-17	11-Mar-17	24-Mar-17	0%	0%	0		A54340			
A54390	1st BD Submission for Window Wall & Louver at 15F to RF	14	15-Mar-17	28-Mar-17	15-Mar-17*	28-Mar-17	0%	0%	0		A54390			
A54170	2nd BD Submission Cast-in Embed for Window Wall & Louver at 2F to 14F	14	24-Mar-17	06-Apr-17	24-Mar-17	06-Apr-17	100%	0%	-58		A54170			
A54230	2nd BD Submission Cast-in Embed for Window Wall & Louver at 15F to RF	14	24-Mar-17	06-Apr-17	24-Mar-17	06-Apr-17	0%	0%	-24		A54230			
A54290	2nd BD Submission for Window Wall, Facade Window, Louver and operable pan	14	24-Mar-17	06-Apr-17	24-Mar-17	06-Apr-17	100%	0%	-52	A54290				
A54350	2nd BD Submission for Window Wall & Louver at 2F to 14F	14	25-Mar-17	07-Apr-17	25-Mar-17	07-Apr-17	0%	0%	0		A54350			
A54400	1st BD Submission for Window Wall & Louver at 15F to RF - Review & Approval	14	29-Mar-17	11-Apr-17	29-Mar-17	11-Apr-17	0%	0%	0		A54400			
A54180	2nd BD Submission Cast-in Embed for Window Wall & Louver at 2F to 14F - Re	14	07-Apr-17	20-Apr-17	07-Apr-17	20-Apr-17	100%	0%	-58		A54180			
A54240	2nd BD Submission Cast-in Embed for Window Wall & Louver at 15F to RF - Re	14	07-Apr-17	20-Apr-17	07-Apr-17	20-Apr-17	0%	0%	-24		A54240			
A54300	2nd BD Submission for Window Wall, Facade Window, Louver and operable pan	14	07-Apr-17	20-Apr-17	07-Apr-17	20-Apr-17	71.43%	0%	-52		A54300			
A54360	2nd BD Submission for Window Wall & Louver at 2F to 14F - Review & Approval	14	08-Apr-17	21-Apr-17	08-Apr-17	21-Apr-17	0%	0%	0		A54360			
A54410	2nd BD Submission for Window Wall & Louver at 15F to RF	14	12-Apr-17	25-Apr-17	12-Apr-17	25-Apr-17	0%	0%	0		A54410			
A54190	3rd BD Submission Cast-in Embed for Window Wall & Louver at 2F to 14F	14	21-Apr-17	04-May-17	21-Apr-17	04-May-17	14.29%	0%	-58		A54190			
A54250	3rd BD Submission Cast-in Embed for Window Wall & Louver at 15F to RF	14	21-Apr-17	04-May-17	21-Apr-17	04-May-17	0%	0%	-24		A54250			
A54310	3rd BD Submission for Window Wall, Facade Window, Louver and operable pan	14	21-Apr-17	04-May-17	21-Apr-17	04-May-17	0%	0%	-52		A54310			
A54370	3rd BD Submission for Window Wall & Louver at 2F to 14F	14	22-Apr-17	05-May-17	22-Apr-17	05-May-17	0%	0%	0		A54370			
A54420	2nd BD Submission for Window Wall & Louver at 15F to RF - Review & Approval	14	26-Apr-17	09-May-17	26-Apr-17	09-May-17	0%	0%	0		A54420			
A54200	3rd BD Submission Cast-in Embed for Window Wall & Louver at 2F to 14F - Re	14	05-May-17	18-May-17	05-May-17	18-May-17	0%	0%	-58		A54200			
A54260	3rd BD Submission Cast-in Embed for Window Wall & Louver at 15F to RF - Re	14	05-May-17	18-May-17	05-May-17	18-May-17	0%	0%	-24		A54260			
A54320	3rd BD Submission for Window Wall, Facade Window, Louver and operable pan	14	05-May-17	18-May-17	05-May-17	18-May-17	0%	0%	-52		A54320			
A54380	3rd BD Submission for Window Wall & Louver at 2F to 14F - Review & Approval	14	06-May-17	19-May-17	06-May-17	19-May-17	0%	0%	0		A54380			
A54430	3rd BD Submission for Window Wall & Louver at 15F to RF	14	10-May-17	23-May-17	10-May-17	23-May-17	0%	0%	0		A54430			
ICP & SPS Construction														
Key Dates														
A31570	SPS Structure Complete	0		13-Apr-17		13-Apr-17	0%	0%	-23		A31570			
A31580	ICP Structure Complete	0		18-May-17		18-May-17	0%	0%	36				A31580	
SPS WORKS (Sewerage Pumping Station)														
Pre-Construction Works														
A55810	SPS - Procurement & fabrication of Louvre	82	24-Feb-17	16-May-17	24-Feb-17*	16-May-17	41.46%	0%	-34		A55810			
A55830	SPS - Procurement & fabrication of Davit System	90	02-Mar-17	30-May-17	02-Mar-17	30-May-17	31.11%	0%	-34		A55830			
A55850	SPS - Procurement & fabrication of GRP Cover	90	02-Mar-17	30-May-17	02-Mar-17	30-May-17	31.11%	0%	-34		A55850			
A55870	SPS - Procurement & fabrication of Fire / Security Roller Shutter	43	12-Mar-17	23-Apr-17	12-Mar-17	23-Apr-17	41.86%	0%	-34		A55870			
A55890	SPS - Procurement & fabrication of Metal Door	43	12-Mar-17	23-Apr-17	12-Mar-17	23-Apr-17	41.86%	0%	-34		A55890			
A55920	SPS - Procurement & fabrication of Perforated Cladding	60	03-Apr-17	01-Jun-17	03-Apr-17	01-Jun-17	0%	0%	-34		A55920			
A55910	SPS - Confirmation of perforated corrugated cladding by FAC/MJV	0	03-Apr-17		03-Apr-17		0%	0%	-29		A55910			
A55880	SPS - 1st Delivery of Fire / Security Shutter	0	24-Apr-17		24-Apr-17		0%	0%	-25		A55880			
A55900	SPS - 1st Delivery of Metal Door	0	24-Apr-17		24-Apr-17		0%	0%	-25		A55900			
A55820	SPS - 1st Delivery of Louvre	0	17-May-17		17-May-17		0%	0%	-24		A55820			
A55840	SPS - 1st Delivery of Davit System	0	31-May-17		31-May-17		0%	0%	-26		A55840			
A55860	SPS - 1st Delivery of GRP Cover	0	31-May-17		31-May-17		0%	0%	-26		A55860			
A55930	SPS - 1st Delivery of Perforated Cladding	0	02-Jun-17		02-Jun-17		0%	0%	-26		A55930			
RC Structures														
Portion E2 - Pump Station B2/F & B1/F														
A37880	SPS - Construct Walls & Cols (B1/F to G/F) @ Lvl +10.00mPD	12	24-Feb-17	09-Mar-17	02-Feb-17	27-Feb-17	100%	75%	-22		A37880			
A37890	SPS - Erect falseworks for Roof Slab	3	28-Feb-17	02-Mar-17	28-Feb-17	02-Mar-17	100%	0%	-22		A37890			
A37950	SPS - Construct Roof Beam & Slab	10	03-Mar-17	14-Mar-17	03-Mar-17	14-Mar-17	100%	0%	-22		A37950			
A37960	SPS - Dismantle Falseworks & Clean area Below Roof Slab	4	22-Mar-17	25-Mar-17	22-Mar-17	25-Mar-17	0%	0%	-22		A37960			
A37970	SPS - Complete E2 Structure to G/F Level +10.00mPD	0		25-Mar-17		25-Mar-17	0%	0%	-22		A37970			
Portion E1 - Plant Room B1/F														
A31790	SPS - Construct Walls & Cols From (B1/F to G/F) @ Lvl +10.00mPD	20	24-Feb-17	18-Mar-17	02-Feb-17	01-Mar-17	100%	75%	-31		A31790			
A31800	SPS - Construct Staircase @ GL 3/5 / A1-A2	6	13-Mar-17	18-Mar-17	02-Feb-17	02-Mar-17	100%	10%	-31		A31800			
A31850	SPS - Construct Sprinkler Tank and FS Water Tank	15	26-Apr-17	15-May-17	20-Feb-17	09-Mar-17	0%	25%	6		A31850, A31850			
A31810	SPS - Erect falseworks for Roof Slab	3	02-Mar-17	06-Mar-17	02-Mar-17	06-Mar-17	100%	0%	-31		A31810			
A31820	SPS - Construct Roof Beam & Slab	15	06-Mar-17	23-Mar-17	06-Mar-17	23-Mar-17	100%	0%	-31		A31820			
A31870	SPS - Complete Internal FS Tank & Give Access to PIW Contractor's	0		10-Mar-17		10-Mar-17	0%	0%	6		A31870			
A31830	SPS - Construct Concrete Vent Duct Above Roof Slab	17	23-Mar-17	13-Apr-17	23-Mar-17	13-Apr-17	47.06%	0%	-31		A31830			
A31840	SPS - Dismantle Falseworks & Clean area Below Roof Slab	4	30-Mar-17	05-Apr-17	30-Mar-17	05-Apr-17	50%	0%	-31		A31840			
A31845	SPS - Complete E1 Structure to R/F	0		05-Apr-17		05-Apr-17	0%	0%	-31		A31845			
A31860	SPS - Complete Structure	0		13-Apr-17		13-Apr-17	0%	0%	-23		A31860			

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
Final Finishes														
A56110	Apply paint coating on ceiling & wall	4	31-May-17	05-Jun-17	31-May-17	05-Jun-17	0%	0%	-31			A56110		
A56120	Apply floor sealer	3	05-Jun-17	08-Jun-17	05-Jun-17	08-Jun-17	0%	0%	-31			A56120		
A56130	Door & ironmongeries installation	3	05-Jun-17	08-Jun-17	05-Jun-17	08-Jun-17	0%	0%	-31			A56130		
Pump Station Service Yard														
Builders' Work														
A55730	Blockwall	12	05-Apr-17	22-Apr-17	05-Apr-17	22-Apr-17	0%	0%	-31	A55730		Blockwall		
A55740	Plastering & screeding	10	22-Apr-17	06-May-17	22-Apr-17	06-May-17	0%	0%	-31		A55740	Plastering & screeding		
A55750	Channel grating & trench cover installation	7	06-May-17	15-May-17	06-May-17	15-May-17	0%	0%	-31		A55750	Channel gra		
BS Installation														
A55760	SPS - MEP 2nd Fix for Pump Station Service Yard	14	15-May-17	01-Jun-17	15-May-17	01-Jun-17	0%	0%	-31		A55760			
Final Finishes														
A56490	Install roller shutter (for security)	7	23-May-17	01-Jun-17	23-May-17	01-Jun-17	0%	0%	-31			A56490		
A56500	Apply paint on ceiling & wall	10	01-Jun-17	13-Jun-17	01-Jun-17	13-Jun-17	0%	0%	-31			A56500		
A56510	Apply floor sealer	5	13-Jun-17	19-Jun-17	13-Jun-17	19-Jun-17	0%	0%	-31			A56510		
A56520	Door & ironmongeries installation	3	19-Jun-17	22-Jun-17	19-Jun-17	22-Jun-17	0%	0%	-31			A56520		
Cleansing & Flushing Water Tank Room														
Builders' Work														
A56190	Plastering & screeding	6	05-Apr-17	12-Apr-17	05-Apr-17	12-Apr-17	0%	0%	-31	A56190		Plastering & screeding		
A56200	Install glass-fibre water tank supporting frame	6	12-Apr-17	22-Apr-17	12-Apr-17	22-Apr-17	0%	0%	-31		A56200	Install glass-fibre water tank supporting frame		
BS Installation														
A32160	SPS - Install Pumps, Valves & Equipment	36	12-Apr-17	31-May-17	12-Apr-17	31-May-17	0%	0%	-31		A32160			
A32170	SPS - Install Water Tank, Pipeworks & Testing	36	22-Apr-17	07-Jun-17	22-Apr-17	07-Jun-17	0%	0%	-31		A32170			
Final Finishes														
A56210	Apply paint coating on ceiling & wall	7	07-Jun-17	15-Jun-17	07-Jun-17	15-Jun-17	0%	0%	-31			A56210		
A56220	Apply floor sealer	3	15-Jun-17	19-Jun-17	15-Jun-17	19-Jun-17	0%	0%	-31			A56220		
A56230	Door & ironmongeries installation	3	15-Jun-17	19-Jun-17	15-Jun-17	19-Jun-17	0%	0%	-31			A56230		
Sprinkler Tank														
Builders' Work														
A56240	Waterproofing & water test	12	13-Apr-17	02-May-17	13-Apr-17	02-May-17	0%	0%	-23		A56240	Waterproofing & water test		
A56250	Plaster work (inside tank)	8	02-May-17	12-May-17	02-May-17	12-May-17	0%	0%	-23		A56250	Plaster work (ins		
A56260	Wall & floor tiling	8	12-May-17	22-May-17	12-May-17	22-May-17	0%	0%	-23		A56260	Wall & floor tiling		
A56270	Install Cat ladder & hatch cover	4	18-May-17	23-May-17	18-May-17	23-May-17	0%	0%	-23		A56270			
FS Tank														
Builders' Work														
A56280	Waterproofing & water test	12	13-Apr-17	02-May-17	13-Apr-17	02-May-17	0%	0%	-23		A56280	Waterproofing & water test		
A56290	Plaster work (inside tank)	8	02-May-17	12-May-17	02-May-17	12-May-17	0%	0%	-23		A56290	Plaster work (ins		
A56300	Wall & floor tiling	8	12-May-17	22-May-17	12-May-17	22-May-17	0%	0%	-23		A56300	Wall & floor tiling		
A56310	Install Cat ladder & hatch cover	4	18-May-17	23-May-17	18-May-17	23-May-17	0%	0%	-23		A56310			
Accessible Unisex Toilet														
Builders' Work														
A56320	Waterproofing & water test	5	05-Apr-17	11-Apr-17	05-Apr-17	11-Apr-17	0%	0%	-31	A56320		Waterproofing & water test		
A56330	Protective screeding / floor screeding	2	11-Apr-17	13-Apr-17	11-Apr-17	13-Apr-17	0%	0%	-31		A56330	Protective screeding / floor screeding		
A56340	Wall & floor tiling	6	13-Apr-17	24-Apr-17	13-Apr-17	24-Apr-17	0%	0%	-31		A56340	Wall & floor tiling		
A56350	Gypsum/cement board ceiling framework & close-up	6	24-Apr-17	02-May-17	24-Apr-17	02-May-17	0%	0%	-31		A56350	Gypsum/cement board ceiling f		
BS Installation														
A56360	SPS - MEP 2nd Fix for Accessible Unisex Toilet	14	02-May-17	19-May-17	02-May-17	19-May-17	0%	0%	-31		A56360	SPS		
Final Finishes														
A56370	Apply Taping joint & painting on ceiling	4	19-May-17	24-May-17	19-May-17	24-May-17	0%	0%	-31		A56370			
A56380	Sanitary wares & fitting installation	5	24-May-17	31-May-17	24-May-17	31-May-17	0%	0%	-31		A56380			
A56390	Door & ironmongeries installation	3	31-May-17	03-Jun-17	31-May-17	03-Jun-17	0%	0%	-31		A56390			
A56400	Mirror installation	1	03-Jun-17	05-Jun-17	03-Jun-17	05-Jun-17	0%	0%	-31		A56400			
Corridor														
Builders' Work														
A31875	Blockwall	10	05-Apr-17	20-Apr-17	05-Apr-17	20-Apr-17	0%	0%	-31	A31875		Blockwall		
A31880	Plastering & screeding	7	20-Apr-17	28-Apr-17	20-Apr-17	28-Apr-17	0%	0%	-31		A31880	Plastering & screeding		
A31890	Wall tiling & Install chequered plate on floor	6	28-Apr-17	08-May-17	28-Apr-17	08-May-17	0%	0%	-31		A31890	Wall tiling & Install ch		
BS Installation														
A56180	SPS - MEP 2nd Fix for Corridor	14	08-May-17	24-May-17	08-May-17	24-May-17	0%	0%	-31		A56180			
Final Finishes														
A31910	FRP ceiling	7	24-May-17	02-Jun-17	24-May-17	02-Jun-17	0%	0%	-31			A31910		
A56410	Apply paint on ceiling & wall	7	02-Jun-17	10-Jun-17	02-Jun-17	10-Jun-17	0%	0%	-31			A56410		
A56420	Door & ironmongeries installation	7	10-Jun-17	19-Jun-17	10-Jun-17	19-Jun-17	0%	0%	-31			A56420		
Staircase														
Builders' Work														
A56430	Wall Plastering & screeding	7	13-Apr-17	25-Apr-17	13-Apr-17	25-Apr-17	0%	0%	-23		A56430	Wall Plastering & screeding		
A56440	Install handrail / balustrade	7	25-Apr-17	05-May-17	25-Apr-17	05-May-17	0%	0%	-23		A56440	Install handrail / balustrade		
BS Installation														
A56450	SPS - MEP 2nd Fix for Staircases	14	05-May-17	22-May-17	05-May-17	22-May-17	0%	0%	-23		A56450			
Final Finishes														
A56460	Floor tiling	6	22-May-17	29-May-17	22-May-17	29-May-17	0%	0%	-23			A56460		
A56470	Apply paint on ceiling & wall	7	29-May-17	07-Jun-17	29-May-17	07-Jun-17	0%	0%	-23			A56470		
A56480	Install Door & ironmongeries	3	07-Jun-17	10-Jun-17	07-Jun-17	10-Jun-17	0%	0%	-23			A56480		
SPS - External Envelope														
A32230	SPS - Erect steel frame for perforated corrugated cladding	12	17-May-17	31-May-17	17-May-17	31-May-17	0%	0%	-24			A32230		
A32220	SPS - Install GRC Architectural Louvre & Bracket	7	17-May-17	24-May-17	17-May-17	24-May-17	0%	0%	-24			A32220		
A56560	SPS - Install perforated corrugated cladding	12	02-Jun-17	15-Jun-17	02-Jun-17	15-Jun-17	0%	0%	-25			A56560		
A56570	SPS - Final Fix & Facade Final Cleaning	6	16-Jun-17	22-Jun-17	16-Jun-17	22-Jun-17	0%	0%	-25			A56570		
SPS - Access Pavement														
A56590	SPS - Backfilling	2	02-Jun-17	05-Jun-17	02-Jun-17	05-Jun-17	0%	0%	-23			A56590		
A56600	SPS - Construct SPS access pavement	10	05-Jun-17	16-Jun-17	05-Jun-17	16-Jun-17	0%	0%	-23			A56600		
SPS - Testing & Commissioning														
A32240	SPS - Testing and Commissioning	20	07-Jun-17	30-Jun-17	07-Jun-17	30-Jun-17	0%	0%	-31			A32240		
SPS - Statutory Inspection														

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017					
										Feb 17	Mar 18	Apr 19	May 20		
FS Water															
A32290	SPS - Submit & Approval of Form WW046 (Part 4) to WSD (Final Report)	14	22-May-17	05-Jun-17	22-May-17	05-Jun-17	0%	0%	-43					A32290	
A32300	SPS - Inspection and Approval by WSD	2	05-Jun-17	07-Jun-17	05-Jun-17	07-Jun-17	0%	0%	-33					A32300	
A32305	SPS - Water Sample (2 nos.) & Report Submission	10	07-Jun-17	17-Jun-17	07-Jun-17	17-Jun-17	0%	0%	-42					A32305	
A32310	SPS - Issuance of WW046 (Part 5) by WSD (Water Certificate)	14	17-Jun-17	01-Jul-17	17-Jun-17	01-Jul-17	0%	0%	-42					A32310	
A32320	SPS - Water Meter Connection (FS) by WSD	4	01-Jul-17	05-Jul-17	01-Jul-17	05-Jul-17	0%	0%	-42					A32320	
Potable Water / Flushing Water															
A32360	SPS - Submit & Approval of Form WW046 (Part 4) to WSD	14	22-May-17	05-Jun-17	22-May-17	05-Jun-17	0%	0%	-43					A32360	
A32370	SPS - Inspection and Approval by WSD	2	05-Jun-17	07-Jun-17	05-Jun-17	07-Jun-17	0%	0%	-33					A32370	
A32375	SPS - Water Sample (2 nos.) & Report Submission	10	07-Jun-17	17-Jun-17	07-Jun-17	17-Jun-17	0%	0%	-42					A32375	
A32380	SPS - Issuance of WW046 (Part 5) by WSD (Water Certificate)	14	17-Jun-17	01-Jul-17	17-Jun-17	01-Jul-17	0%	0%	-42					A32380	
A32390	SPS - Water Meter Connection (Plumbing) by WSD	4	01-Jul-17	05-Jul-17	01-Jul-17	05-Jul-17	0%	0%	-42					A32390	
FSD (Fire Services)															
A32392	SPS - Submission & Approval of Final Amendment Building Plan to BD/FSD	30	13-Apr-17	13-May-17	13-Apr-17	13-May-17	0%	0%	-28					A32392	
A32394	SPS - VAC Submission to FSD & Approval	30	26-May-17	25-Jun-17	26-May-17	25-Jun-17	0%	0%	-42					A32394	
A32400	SPS - Submit Form 314 & 501 to FSD	0	26-Jun-17		26-Jun-17		0%	0%	-34					A32400	
ICP WORKS (Interfacing Car Park)															
Stage 2A															
Portion B															
Portion B															
A32520	Complete Pilecaps & Bottom Slab at Portion B1, B2, B3, B4 & B6	0		24-Feb-17		05-Jan-17 A	100%	100%	30					Complete Pilecaps & Bottom Slab at Portion B1, B2, B3, B4 & B6	
Portion B5 - Pilecaps & Bottom slab															
A32680	Portion B5 - Construct Secondary beam and bottom slab @ Lvl -0.6mPD	14	04-Mar-17	20-Mar-17	16-Nov-16	25-Nov-16 A	100%	100%	59					Portion B5 - Construct Secondary beam and bottom slab @ Lvl -0.6mPD	
Portion B4 - Pilecaps & Bottom slab															
A32740	Portion B4 - Remove formworks, backfill and blinding concrete	1	24-Feb-17	24-Feb-17	24-Dec-16	26-Dec-16 A	100%	100%	27					Portion B4 - Remove formworks, backfill and blinding concrete	
A32750	Portion B4 - Install under slab drain pipe	2	25-Feb-17	27-Feb-17	27-Dec-16	27-Dec-16 A	100%	100%	29					Portion B4 - Install under slab drain pipe	
A32760	Portion B4 - BD Inspection & Approval for drainages	0		24-Feb-17		28-Dec-16 A	100%	100%	33					Portion B4 - BD Inspection & Approval for drainages	
A32770	Portion B4 - Construct Secondary beam and bottom slab @ Lvl -0.6mPD	9	24-Feb-17	06-Mar-17	29-Dec-16	05-Jan-17 A	100%	100%	30					Portion B4 - Construct Secondary beam and bottom slab @ Lvl -0.6mPD	
Waling and Strut															
@ Sheet Pile Type A and Type A2															
A32810	Portion B7 - Install waling and Strut @ +4.6mPD	2	24-Feb-17	25-Feb-17	26-Nov-16	30-Nov-16 A	100%	100%	63					Portion B7 - Install waling and Strut @ +4.6mPD	
A32820	Portion B10 - Install waling and Strut @ +4.6mPD	2	24-Feb-17	25-Feb-17	07-Jan-17	10-Jan-17 A	100%	100%	32					Portion B10 - Install waling and Strut @ +4.6mPD	
A32830	Portion B13 - Install waling and Strut @ +4.6mPD	3	27-Feb-17	01-Mar-17	07-Jan-17	13-Jan-17 A	100%	100%	29					Portion B13 - Install waling and Strut @ +4.6mPD	
Stage 2B															
Install waling and Strut at +1.5mPD for Sheet Pile Type A1															
A32870	Portion B7 - Install waling and Strut @ +1.5mPD	2	27-Feb-17	28-Feb-17	07-Dec-16	17-Dec-16 A	100%	100%	43					Portion B7 - Install waling and Strut @ +1.5mPD	
A32880	Portion B10 - Install waling and Strut @ +1.5mPD	2	05-Jan-17	06-Jan-17	05-Jan-17	06-Jan-17 A	100%	100%	30					Portion B10 - Install waling and Strut @ +1.5mPD	
Stage 3															
ELS and Pile cap construction															
Portion A6															
A32890	Portion A6 - 2nd Layer Excavation @ +0.7mPD	2	24-Feb-17	25-Feb-17	11-Jan-17	14-Jan-17 A	100%	100%	24					Portion A6 - 2nd Layer Excavation @ +0.7mPD	
A32900	Portion A6 - 2nd layer lateral support Installation @ +1.0mPD	4	27-Feb-17	02-Mar-17	16-Jan-17	18-Jan-17 A	100%	100%	25					Portion A6 - 2nd layer lateral support Installation @ +1.0mPD	
A32910	Portion A6 - Excavate to pile cap and grade beam formation level to -2.075mPD	6	03-Mar-17	09-Mar-17	18-Jan-17	18-Jan-17 A	66.67%	100%	31					Portion A6 - Excavate to pile cap and grade beam formation level to -2.075mPD	
A32920	Portion A6 - Construct remaining pile cap and grade beam	7	10-Mar-17	17-Mar-17	18-Jan-17	14-Feb-17 A	0%	100%	18					Portion A6 - Construct remaining pile cap and grade beam	
Portion B6															
A32930	Portion B6 - 2nd Layer Excavation @ +0.7mPD	2	24-Feb-17	25-Feb-17	06-Jan-17	14-Jan-17 A	100%	100%	26					Portion B6 - 2nd Layer Excavation @ +0.7mPD	
A32940	Portion B6 - 2nd layer lateral support Installation @ +1.0mPD	4	27-Feb-17	02-Mar-17	18-Jan-17	22-Jan-17 A	100%	100%	23					Portion B6 - 2nd layer lateral support Installation @ +1.0mPD	
A32950	Portion B6 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	03-Mar-17	04-Mar-17	23-Jan-17	26-Jan-17 A	100%	100%	22					Portion B6 - Excavate to pile cap and grade beam formation level to -2.075mPD	
A32960	Portion B6 - Construct remaining pile cap and grade beam	6	06-Mar-17	11-Mar-17	06-Feb-17	14-Feb-17 A	0%	100%	15					Portion B6 - Construct remaining pile cap and grade beam	
Portion A7															
A32970	Portion A7 - 2nd Layer Excavation @ +0.7mPD	2	24-Feb-17	25-Feb-17	09-Jan-17	11-Jan-17 A	100%	100%	27					Portion A7 - 2nd Layer Excavation @ +0.7mPD	
A32980	Portion A7 - 2nd layer lateral support Installation @ +1.0mPD	4	27-Feb-17	02-Mar-17	12-Jan-17	17-Jan-17 A	100%	100%	26					Portion A7 - 2nd layer lateral support Installation @ +1.0mPD	
A32990	Portion A7 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	03-Mar-17	04-Mar-17	18-Jan-17	25-Jan-17 A	100%	100%	21					Portion A7 - Excavate to pile cap and grade beam formation level to -2.075mPD	
A33000	Portion A7 - Construct remaining pile cap and grade beam	7	24-Feb-17	03-Mar-17	13-Feb-17	28-Feb-17	28.57%	50%	2					Portion A7 - Construct remaining pile cap and grade beam, Portion A7 - Construct remaining pile cap and grade beam	
Portion B7															
A33010	Portion B7 - 2nd Layer Excavation @ +0.7mPD	2	24-Feb-17	25-Feb-17	18-Jan-17	27-Jan-17 A	100%	100%	15					Portion B7 - 2nd Layer Excavation @ +0.7mPD	
A33020	Portion B7 - 2nd layer lateral support Installation @ +1.0mPD	4	27-Feb-17	02-Mar-17	02-Feb-17	03-Feb-17 A	100%	100%	16					Portion B7 - 2nd layer lateral support Installation @ +1.0mPD	
A33030	Portion B7 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	24-Feb-17	25-Feb-17	03-Feb-17	24-Feb-17	100%	50%	-1					Portion B7 - Excavate to pile cap and grade beam formation level to -2.075mPD, Portion B7 - Excavate to pile cap and grade beam	
A33040	Portion B7 - Construct remaining pile cap and grade beam	7	25-Feb-17	04-Mar-17	21-Feb-17	17-Mar-17	0%	0%	-12					Portion B7 - Construct remaining pile cap and grade beam, Portion B7 - Construct remaining pile cap and grade beam	
Portion A8															
A33050	Portion A8 - 2nd Layer Excavation @ +0.7mPD	2	07-Mar-17	08-Mar-17	16-Dec-16	30-Dec-16 A	0%	100%	55					Portion A8 - 2nd Layer Excavation @ +0.7mPD	
A33060	Portion A8 - 2nd layer lateral support Installation @ +1.0mPD	4	09-Mar-17	13-Mar-17	31-Dec-16	04-Jan-17 A	0%	100%	56					Portion A8 - 2nd layer lateral support Installation @ +1.0mPD	
A33070	Portion A8 - Excavate to pile cap and grade beam formation level	2	14-Mar-17	15-Mar-17	05-Jan-17	07-Jan-17 A	0%	100%	55					Portion A8 - Excavate to pile cap and grade beam formation level	
A33080	Portion A8 - Construct remaining pile cap and grade beam	6	16-Mar-17	22-Mar-17	01-Feb-17	09-Feb-17 A	0%	100%	36					Portion A8 - Construct remaining pile cap and grade beam	
Portion B8															
A33090	Portion B8 - 2nd Layer Excavation @ +0.7mPD	2	07-Mar-17	08-Mar-17	16-Jan-17	25-Feb-17	0%	30%	10					Portion B8 - 2nd Layer Excavation @ +0.7mPD, Portion B8 - 2nd Layer Excavation @ +0.7mPD	
A33100	Portion B8 - 2nd layer lateral support Installation @ +1.0mPD	4	01-Mar-17	04-Mar-17	01-Mar-17	04-Mar-17	0%	0%	7					Portion B8 - 2nd layer lateral support Installation @ +1.0mPD	
A33110	Portion B8 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	06-Mar-17	07-Mar-17	06-Mar-17	07-Mar-17	0%	0%	7					Portion B8 - Excavate to pile cap and grade beam formation level to -2.075mPD	
A33120	Portion B8 - Construct remaining pile cap and grade beam	6	08-Mar-17	14-Mar-17	08-Mar-17	14-Mar-17	0%	0%	7					Portion B8 - Construct remaining pile cap and grade beam	
Portion B9															
A33140	Portion B9 - 2nd layer lateral support Installation @ +1.0mPD	4	13-Mar-17	16-Mar-17	03-Jan-17	27-Jan-17 A	0%	100%	50					Portion B9 - 2nd layer lateral support Installation @ +1.0mPD	
A33130	Portion B9 - 2nd Layer Excavation @ +0.7mPD	2	10-Mar-17	11-Mar-17	16-Jan-17	21-Jan-17 A	0%	100%	51					Portion B9 - 2nd Layer Excavation @ +0.7mPD	
A33150	Portion B9 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	24-Feb-17	25-Feb-17	01-Feb-17	24-Feb-17	0%	50%	30					Portion B9 - Excavate to pile cap and grade beam formation level to -2.075mPD	
A33160	Portion B9 - Construct remaining pile cap and grade beam	6	25-Feb-17	03-Mar-17	25-Feb-17	03-Mar-17	0%	0%	30					Portion B9 - Construct remaining pile cap and grade beam	
Portion B10															
A33170	Portion B10 - 2nd Layer Excavation @ +0.7mPD	2	11-Mar-17	14-Mar-17	08-Feb-17	24-Feb-17	0%	50%	24					Portion B10 - 2nd Layer Excavation @ +0.7mPD, Portion B10 - 2nd Layer Excavation @ +0.7mPD	
A33180	Portion B10 - 2nd layer lateral support Installation @ +1.0mPD	4	01-Mar-17	04-Mar-17	23-Feb-17	28-Feb-17	0%	10%	25					Portion B10 - 2nd layer lateral support Installation @ +1.0mPD, Portion B10 - 2nd	
A33190	Portion B10 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	28-Feb-17	02-Mar-17	28-Feb-17	02-Mar-17	0%	0%	25					Portion B10 - Excavate to pile cap and grade beam formation level to -2.075mPD	
A33200	Portion B10 - Construct remaining pile cap and grade beam	6	02-Mar-17	09-Mar-17	02-Mar-17	09-Mar-17	0%	0%	25					Portion B10 - Construct remaining pile cap and grade beam	
Portion A9															
A33210	Portion A9 - 2nd Layer Excavation @ +0.7mPD	2	27-Mar-17	28-Mar-17	16-Dec-16	19-Jan-17 A	0%	100%	67					Portion A9 - 2nd Layer Excavation @ +0.7mPD	
A33220	Portion A9 - 2nd layer lateral support Installation @ +1.0mPD	4	29-Mar-17	01-Apr-17	20-Jan-17	02-Feb-17 A	0%	100%	62					Portion A9 - 2nd layer lateral support Installation @ +1.0mPD	

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
A33230	Portion A9 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	03-Apr-17	05-Apr-17	03-Feb-17	06-Feb-17 A	0%	100%	61	A33230				Portion A9 - Excavate to pile cap and grade beam
A33240	Portion A9 - Construct remaining pile cap and grade beam	6	06-Apr-17	12-Apr-17	07-Feb-17	20-Feb-17 A	0%	100%	55	A33240				Portion A9 - Construct remaining pile cap and grade beam
Portion B11														
A33250	Portion B11 - 2nd Layer Excavation @ +0.7mPD	2	15-Mar-17	16-Mar-17	09-Feb-17	25-Feb-17	0%	20%	37	A33250, A33250				Portion B11 - 2nd Layer Excavation @ +0.7mPD, Portion B11 - 2nd Layer Excavation @ +0.7mPD
A33260	Portion B11 - 2nd layer lateral support Installation @ +1.0mPD	4	25-Feb-17	02-Mar-17	25-Feb-17	02-Mar-17	0%	0%	37	A33260				Portion B11 - 2nd layer lateral support Installation @ +1.0mPD
A33270	Portion B11 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	02-Mar-17	04-Mar-17	02-Mar-17	04-Mar-17	0%	0%	37	A33270				Portion B11 - Excavate to pile cap and grade beam formation level to -2.075mPD
A33280	Portion B11 - Construct remaining pile cap and grade beam	6	04-Mar-17	11-Mar-17	04-Mar-17	11-Mar-17	0%	0%	37	A33280				Portion B11 - Construct remaining pile cap and grade beam
Portion A10														
A33290	Portion A10 - 2nd Layer Excavation @ +0.7mPD	2	13-Apr-17	18-Apr-17	09-Jan-17	18-Jan-17 A	0%	100%	82					Portion A10 - 2nd Layer Excavation @ +0.7mPD
A33300	Portion A10 - 2nd layer lateral support Installation @ +1.0mPD	4	19-Apr-17	22-Apr-17	19-Jan-17	25-Jan-17 A	0%	100%	80					Portion A10 - 2nd layer lateral support Installation @ +1.0mPD
A33310	Portion A10 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	24-Feb-17	25-Feb-17	03-Feb-17	06-Feb-17 A	0%	100%	75	A33310				Portion A10 - Excavate to pile cap and grade beam formation level to -2.075mPD
A33320	Portion A10 - Construct remaining pile cap and grade beam	4	24-Feb-17	28-Feb-17	07-Feb-17	25-Feb-17	0%	70%	62	A33320, A33320				Portion A10 - Construct remaining pile cap and grade beam
Portion A11														
A33330	Portion A11 - 2nd Layer Excavation @ +0.7mPD	2	13-Apr-17	18-Apr-17	07-Jan-17	14-Jan-17 A	0%	100%	85					Portion A11 - 2nd Layer Excavation @ +0.7mPD
A33340	Portion A11 - 2nd layer lateral support Installation @ +1.0mPD	4	19-Apr-17	22-Apr-17	16-Jan-17	18-Jan-17 A	0%	100%	86					Portion A11 - 2nd layer lateral support Installation @ +1.0mPD
A33350	Portion A11 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	24-Feb-17	25-Feb-17	18-Jan-17	20-Jan-17 A	0%	100%	86					Portion A11 - Excavate to pile cap and grade beam formation level to -2.075mPD
A33360	Portion A11 - Construct remaining pile cap and grade beam	4	27-Feb-17	02-Mar-17	20-Jan-17	09-Feb-17 A	0%	100%	76					Portion A11 - Construct remaining pile cap and grade beam
Portion B12														
A33370	Portion B12 - 2nd Layer Excavation @ +0.7mPD	2	13-Apr-17	18-Apr-17	16-Jan-17	03-Feb-17 A	0%	100%	71					Portion B12 - 2nd Layer Excavation @ +0.7mPD
A33380	Portion B12 - 2nd layer lateral support Installation @ +1.0mPD	4	19-Apr-17	22-Apr-17	03-Feb-17	16-Feb-17 A	0%	100%	64	A33380				Portion B12 - 2nd layer lateral support Installation @ +1.0mPD
A33390	Portion B12 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	24-Feb-17	25-Feb-17	07-Feb-17	24-Feb-17	0%	80%	59	A33390, A33390				Portion B12 - Excavate to pile cap and grade beam formation level to -2.075mPD
A33400	Portion B12 - Construct remaining pile cap and grade beam	4	27-Feb-17	02-Mar-17	09-Feb-17	28-Feb-17	0%	10%	59	A33400, A33400				Portion B12 - Construct remaining pile cap and grade beam
Portion B13														
A33410	Portion B13 - 2nd Layer Excavation @ +0.7mPD	2	11-Mar-17	14-Mar-17	11-Mar-17	14-Mar-17	0%	0%	37					Portion B13 - 2nd Layer Excavation @ +0.7mPD
A33420	Portion B13 - 2nd layer lateral support Installation @ +1.0mPD	6	14-Mar-17	21-Mar-17	14-Mar-17	21-Mar-17	0%	0%	37					Portion B13 - 2nd layer lateral support Installation @ +1.0mPD
A33430	Portion B13 - Excavate to pile cap and grade beam formation level to -2.075mPD	2	21-Mar-17	23-Mar-17	21-Mar-17	23-Mar-17	0%	0%	37					Portion B13 - Excavate to pile cap and grade beam formation level to -2.075mPD
A33440	Portion B13 - Construct remaining pile cap and grade beam	4	23-Mar-17	28-Mar-17	23-Mar-17	28-Mar-17	0%	0%	37					Portion B13 - Construct remaining pile cap and grade beam
Secondary Beam and Bottom Slab Construction														
Portion A6														
A33450	Portion A6 - Lay under slab drainages, backfill, blinding & waterproofing	6	24-Feb-17	02-Mar-17	13-Feb-17	16-Feb-17 A	0%	100%	22	A33450				Portion A6 - Lay under slab drainages, backfill, blinding & waterproofing
A33460	Portion A6 - Construct Manholes & Sump Pits	6	24-Feb-17	02-Mar-17	13-Feb-17	13-Feb-17 A	0%	100%	25	A33460				Portion A6 - Construct Manholes & Sump Pits
A33470	Portion A6 - BD Inspection & Approval for drainages	1	02-Mar-17	02-Mar-17	13-Feb-17	13-Feb-17 A	0%	100%	25	A33470				Portion A6 - BD Inspection & Approval for drainages
A33480	Portion A6 - Cast blinding layer and rebar fixing for secondary beam and bottom slab	14	03-Mar-17	18-Mar-17	16-Feb-17	21-Feb-17 A	0%	100%	32	A33480				Portion A6 - Cast blinding layer and rebar fixing for secondary beam and bottom slab
A33490	Portion A6 - Cast concrete	1	20-Mar-17	20-Mar-17	22-Feb-17	22-Feb-17 A	0%	100%	32	A33490				Portion A6 - Cast concrete
Portion B6														
A33500	Portion B6 - Lay under slab drainages, backfill, blinding & waterproofing	4	24-Feb-17	28-Feb-17	11-Feb-17	17-Feb-17 A	0%	100%	16	A33500				Portion B6 - Lay under slab drainages, backfill, blinding & waterproofing
A33510	Portion B6 - Construct Manholes & Sump Pits	4	24-Feb-17	28-Feb-17	11-Feb-17	14-Feb-17 A	0%	100%	19	A33510				Portion B6 - Construct Manholes & Sump Pits
A33520	Portion B6 - BD Inspection & Approval for drainages	1	02-Mar-17	02-Mar-17	14-Feb-17	14-Feb-17 A	0%	100%	21	A33520				Portion B6 - BD Inspection & Approval for drainages
A33530	Portion B6 - Cast blinding layer and rebar fixing for secondary beam and bottom slab	9	03-Mar-17	13-Mar-17	15-Feb-17	21-Feb-17 A	0%	100%	24	A33530				Portion B6 - Cast blinding layer and rebar fixing for secondary beam and bottom slab
A33540	Portion B6 - Cast concrete	1	14-Mar-17	14-Mar-17	22-Feb-17	22-Feb-17 A	0%	100%	24	A33540				Portion B6 - Cast concrete
Portion A7														
A33560	Portion A7 - Construct Manholes & Sump Pits	6	04-Mar-17	10-Mar-17	13-Feb-17	17-Feb-17 A	0%	100%	21	A33560				Portion A7 - Construct Manholes & Sump Pits
A33550	Portion A7 - Lay under slab drainages, backfill, blinding & waterproofing	6	28-Feb-17	07-Mar-17	28-Feb-17	07-Mar-17	0%	0%	6	A33550				Portion A7 - Lay under slab drainages, backfill, blinding & waterproofing
A33570	Portion A7 - BD Inspection & Approval for drainages	1	06-Mar-17	07-Mar-17	06-Mar-17	07-Mar-17	0%	0%	6	A33570				Portion A7 - BD Inspection & Approval for drainages
A33580	Portion A7 - Cast blinding layer and rebar fixing for secondary beam and bottom slab	14	07-Mar-17	23-Mar-17	07-Mar-17	23-Mar-17	0%	0%	6	A33580				Portion A7 - Cast blinding layer and rebar fixing for secondary beam and bottom slab
A33590	Portion A7 - Cast concrete	1	23-Mar-17	24-Mar-17	23-Mar-17	24-Mar-17	0%	0%	6	A33590				Portion A7 - Cast concrete
Portion B7														
A33610	Portion B7 - Construct Manholes & Sump Pits	4	07-Mar-17	10-Mar-17	15-Feb-17	17-Feb-17 A	0%	100%	19	A33610				Portion B7 - Construct Manholes & Sump Pits
A33620	Portion B7 - BD Inspection & Approval for drainages	1	13-Mar-17	13-Mar-17	15-Feb-17	16-Feb-17 A	0%	100%	22	A33620				Portion B7 - BD Inspection & Approval for drainages
A33600	Portion B7 - Lay under slab drainages, backfill, blinding & waterproofing	4	18-Mar-17	22-Mar-17	18-Mar-17	22-Mar-17	0%	0%	-10	A33600				Portion B7 - Lay under slab drainages, backfill, blinding & waterproofing
A33630	Portion B7 - Cast blinding layer and rebar fixing for secondary beam and bottom slab	9	23-Mar-17	01-Apr-17	23-Mar-17	01-Apr-17	0%	0%	-8	A33630				Portion B7 - Cast blinding layer and rebar fixing for secondary beam and bottom slab
A33640	Portion B7 - Cast concrete	1	03-Apr-17	03-Apr-17	03-Apr-17	03-Apr-17	0%	0%	-8	A33640				Portion B7 - Cast concrete
Portion A8														
A33650	Portion A8 - Lay under slab drainages, backfill, blinding & waterproofing	4	24-Feb-17	28-Feb-17	01-Feb-17	09-Feb-17 A	0%	100%	40	A33650				Portion A8 - Lay under slab drainages, backfill, blinding & waterproofing
A33660	Portion A8 - Construct Manholes & Sump Pits	4	24-Feb-17	28-Feb-17	01-Feb-17	09-Feb-17 A	0%	100%	40	A33660				Portion A8 - Construct Manholes & Sump Pits
A33670	Portion A8 - BD Inspection & Approval for drainages	1	02-Mar-17	02-Mar-17	14-Feb-17	14-Feb-17 A	0%	100%	38	A33670				Portion A8 - BD Inspection & Approval for drainages
A33680	Portion A8 - Cast blinding layer and rebar fixing for secondary beam and bottom slab	10	03-Mar-17	14-Mar-17	15-Feb-17	17-Feb-17 A	0%	100%	45	A33680				Portion A8 - Cast blinding layer and rebar fixing for secondary beam and bottom slab
A33690	Portion A8 - Cast concrete	1	15-Mar-17	15-Mar-17	18-Feb-17	18-Feb-17 A	0%	100%	45	A33690				Portion A8 - Cast concrete
Portion B8														
A33700	Portion B8 - Lay under slab drainages, backfill, blinding & waterproofing	4	15-Mar-17	18-Mar-17	15-Mar-17	18-Mar-17	0%	0%	7	A33700				Portion B8 - Lay under slab drainages, backfill, blinding & waterproofing
A33710	Portion B8 - Construct Manholes & Sump Pits	4	15-Mar-17	18-Mar-17	15-Mar-17	18-Mar-17	0%	0%	7	A33710				Portion B8 - Construct Manholes & Sump Pits
A33720	Portion B8 - BD Inspection & Approval for drainages	1	21-Mar-17	21-Mar-17	21-Mar-17	21-Mar-17	0%	0%	7	A33720				Portion B8 - BD Inspection & Approval for drainages
A33730	Portion B8 - Cast blinding layer and rebar fixing for secondary beam and bottom slab	10	22-Mar-17	01-Apr-17	22-Mar-17	01-Apr-17	0%	0%	7	A33730				Portion B8 - Cast blinding layer and rebar fixing for secondary beam and bottom slab
A33740	Portion B8 - Cast concrete	1	03-Apr-17	03-Apr-17	03-Apr-17	03-Apr-17	0%	0%	7	A33740				Portion B8 - Cast concrete
Portion B9														
A33750	Portion B9 - Lay under slab drainages, backfill, blinding & waterproofing	3	04-Mar-17	07-Mar-17	04-Mar-17	07-Mar-17	0%	0%	30	A33750				Portion B9 - Lay under slab drainages, backfill, blinding & waterproofing
A33760	Portion B9 - Construct Manholes & Sump Pits	3	04-Mar-17	07-Mar-17	04-Mar-17	07-Mar-17	0%	0%	30	A33760				Portion B9 - Construct Manholes & Sump Pits
A33770	Portion B9 - BD Inspection & Approval for drainages	1	10-Mar-17	10-Mar-17	10-Mar-17	10-Mar-17	0%	0%	30	A33770				Portion B9 - BD Inspection & Approval for drainages
A33780	Portion B9 - Cast blinding layer and rebar fixing for secondary beam and bottom slab	9	11-Mar-17	21-Mar-17	11-Mar-17	21-Mar-17	0%	0%	30	A33780				Portion B9 - Cast blinding layer and rebar fixing for secondary beam and bottom slab
A33790	Portion B9 - Cast concrete	1	22-Mar-17	22-Mar-17	22-Mar-17	22-Mar-17	0%	0%	30	A33790				Portion B9 - Cast concrete
Portion B10														
A33800	Portion B10 - Lay under slab drainages, backfill, blinding & waterproofing	3	09-Mar-17	13-Mar-17	09-Mar-17	13-Mar-17	0%	0%	25	A33800				Portion B10 - Lay under slab drainages, backfill, blinding & waterproofing
A33810	Portion B10 - Construct Manholes & Sump Pits	3	09-Mar-17	13-Mar-17	09-Mar-17	13-Mar-17	0%	0%	25	A33810				Portion B10 - Construct Manholes & Sump Pits
A33820	Portion B10 - BD Inspection & Approval for drainages	1	15-Mar-17	16-Mar-17	15-Mar-17	16-Mar-17	0%	0%	25	A33820				Portion B10 - BD Inspection & Approval for drainages
A33830	Portion B10 - Cast blinding layer and rebar fixing for secondary beam and bottom slab	9	16-Mar-17	27-Mar-17	16-Mar-17	27-Mar-17	0%	0%	25	A33830				Portion B10 - Cast blinding layer and rebar fixing for secondary beam and bottom slab
A33840	Portion B10 - Cast concrete	1	27-Mar-17	28-Mar-17	27-Mar-17	28-Mar-17	0%	0%	25	A33840				Portion B10 - Cast concrete
Portion A9														
A33850	Portion A9 - Lay under slab drainages, backfill, blinding & waterproofing	4	24-Feb-17	28-Feb-17	13-Feb-17	22-Feb-17 A	0%	100%	57	A33850				Portion A9 - Lay under slab drainages, backfill, blinding & waterproofing
A33860	Portion A9 - Construct Manholes & Sump Pits	4	24-Feb-17	28-Feb-17	13-Feb-17	18-Feb-17 A	0%	100%	60	A33860				Portion A9 - Construct Manholes & Sump Pits
A33870	Portion A9 - BD Inspection & Approval for drainages	1	02-Mar-17	02-Mar-17	16-Feb-17	16-Feb-17 A	0%	100%	64	A33870				Portion A9 - BD Inspection & Approval for drainages
A33880	Portion A9 - Cast blinding layer and rebar fixing for secondary beam and bottom slab	10	24-Feb-17	07-Mar-17	21-Feb-17	01-Mar-17	0%	50%	62	A33880, A33880				Portion A9 - Cast blinding layer and rebar fixing for secondary beam and bottom slab

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017					
										Feb 17	Mar 18	Apr 19	May 20		
A33890	Portion A9 - Cast concrete	1	02-Mar-17	02-Mar-17	02-Mar-17	02-Mar-17	0%	0%	62						
Portion B11															
A33900	Portion B11 - Lay under slab drainages, backfill, blinding & waterproofing	4	11-Mar-17	16-Mar-17	11-Mar-17	16-Mar-17	0%	0%	37						
A33910	Portion B11 - Construct Manholes & Sump Pits	4	11-Mar-17	16-Mar-17	11-Mar-17	16-Mar-17	0%	0%	37						
A33920	Portion B11 - BD Inspection & Approval for drainages	1	17-Mar-17	18-Mar-17	17-Mar-17	18-Mar-17	0%	0%	37						
A33930	Portion B11 - Cast blinding layer and rebar fixing for secondary beam and bottom	10	18-Mar-17	30-Mar-17	18-Mar-17	30-Mar-17	0%	0%	37						
A33940	Portion B11 - Cast concrete	1	30-Mar-17	31-Mar-17	30-Mar-17	31-Mar-17	0%	0%	37						
Portion A10															
A33960	Portion A10 - Construct Manholes & Sump Pits	2	01-Mar-17	02-Mar-17	10-Feb-17	18-Feb-17 A	0%	100%	70						
A33950	Portion A10 - Lay under slab drainages, backfill, blinding & waterproofing	3	01-Mar-17	03-Mar-17	13-Feb-17	20-Feb-17 A	0%	100%	70						
A33980	Portion A10 - Cast blinding layer and rebar fixing for secondary beam and bottom	5	24-Mar-17	01-Mar-17	21-Feb-17	27-Feb-17	0%	50%	72						
A33970	Portion A10 - BD Inspection & Approval for drainages	1	07-Mar-17	07-Mar-17	24-Feb-17	24-Feb-17 A	0%	100%	69						
A33990	Portion A10 - Cast concrete	1	27-Feb-17	28-Feb-17	27-Feb-17	28-Feb-17	0%	0%	72						
Portion A11															
A34010	Portion A11 - Construct Manholes & Sump Pits	2	24-Feb-17	25-Feb-17	23-Jan-17	10-Feb-17 A	0%	100%	77						
A34000	Portion A11 - Lay under slab drainages, backfill, blinding & waterproofing	3	24-Feb-17	27-Feb-17	06-Feb-17	10-Feb-17 A	0%	100%	78						
A34020	Portion A11 - BD Inspection & Approval for drainages	1	02-Mar-17	02-Mar-17	10-Feb-17	10-Feb-17 A	0%	100%	81						
A34030	Portion A11 - Cast blinding layer and rebar fixing for secondary beam and bottom	5	03-Mar-17	08-Mar-17	13-Feb-17	17-Feb-17 A	0%	100%	80						
A34040	Portion A11 - Cast concrete	1	09-Mar-17	09-Mar-17	18-Feb-17	18-Feb-17 A	0%	100%	80						
Portion B12															
A34050	Portion B12 - Lay under slab drainages, backfill, blinding & waterproofing	3	28-Feb-17	03-Mar-17	28-Feb-17	03-Mar-17	0%	0%	59						
A34060	Portion B12 - Construct Manholes & Sump Pits	2	28-Feb-17	02-Mar-17	28-Feb-17	02-Mar-17	0%	0%	59						
A34070	Portion B12 - BD Inspection & Approval for drainages	1	06-Mar-17	07-Mar-17	06-Mar-17	07-Mar-17	0%	0%	59						
A34080	Portion B12 - Cast blinding layer and rebar fixing for secondary beam and bottom	5	07-Mar-17	13-Mar-17	07-Mar-17	13-Mar-17	0%	0%	59						
A34090	Portion B12 - Cast concrete	1	13-Mar-17	14-Mar-17	13-Mar-17	14-Mar-17	0%	0%	59						
Portion B13															
A34100	Portion B13 - Lay under slab drainages, backfill, blinding & waterproofing	3	28-Mar-17	31-Mar-17	28-Mar-17	31-Mar-17	0%	0%	37						
A34110	Portion B13 - Construct Manholes & Sump Pits	2	28-Mar-17	30-Mar-17	28-Mar-17	30-Mar-17	0%	0%	37						
A34120	Portion B13 - BD Inspection & Approval for drainages	1	03-Apr-17	05-Apr-17	03-Apr-17	05-Apr-17	0%	0%	37						
A34130	Portion B13 - Cast blinding layer and rebar fixing for secondary beam and bottom	5	05-Apr-17	11-Apr-17	05-Apr-17	11-Apr-17	0%	0%	37						
A34140	Portion B13 - Cast concrete	1	11-Apr-17	12-Apr-17	11-Apr-17	12-Apr-17	0%	0%	37						
B1 Slab Construction (Phase 1) - Construct B2/F to B1/F Cols, Walls & B1 Slab															
Portion B14															
A34200	Portion B14 - Columns & Walls Construction	11	17-Dec-16	31-Dec-16	17-Dec-16	20-Feb-17 A	100%	100%	-38						
A34210	Portion B14 - Construct B1 Slab	7	24-Feb-17	03-Mar-17	10-Jan-17	27-Feb-17	100%	70%	-37						
Portion B15															
A34220	Portion B15 - Columns & Walls Construction	14	24-Feb-17	11-Mar-17	23-Jan-17	25-Feb-17	100%	90%	-22						
A34230	Portion B15 - Construct B1 Slab	8	25-Feb-17	07-Mar-17	25-Feb-17	07-Mar-17	100%	0%	-22						
B1 Slab Construction (Phase 2) - Construct B2/F to B1/F Cols, Walls & B1 Slab															
Portion A14															
A34240	Portion A14 - Columns & Walls Construction	15	25-Feb-17	15-Mar-17	25-Feb-17	15-Mar-17	0%	0%	43						
A34250	Portion A14 - Construct B1 Slab	9	15-Mar-17	25-Mar-17	15-Mar-17	25-Mar-17	0%	0%	43						
Portion A15															
A34260	Portion A15 - Columns & Walls Construction	14	24-Feb-17	11-Mar-17	24-Feb-17	11-Mar-17	0%	0%	45						
A34270	Portion A15 - Construct B1 Slab	9	13-Mar-17	22-Mar-17	13-Mar-17	22-Mar-17	0%	0%	45						
Portion B16															
A34280	Portion B16 - Columns & Walls Construction	12	09-Mar-17	23-Mar-17	09-Mar-17	23-Mar-17	0%	0%	37						
A34290	Portion B16 - Construct B1 Slab	8	23-Mar-17	01-Apr-17	23-Mar-17	01-Apr-17	0%	0%	37						
Portion B17															
A34300	Portion B17 - Columns & Walls Construction	11	08-Mar-17	20-Mar-17	08-Mar-17	20-Mar-17	0%	0%	38						
A34310	Portion B17 - Construct B1 Slab	7	21-Mar-17	28-Mar-17	21-Mar-17	28-Mar-17	0%	0%	38						
B1 Slab Construction (Phase 3) - Construct B2/F to B1/F Cols, Walls & B1 Slab and Remove Struts															
Portion A16															
A34320	Portion A16 - Columns & Walls Construction	5	24-Feb-17	01-Mar-17	24-Feb-17	01-Mar-17	0%	0%	30						
A34330	Portion A16 - Construct B1 Slab	4	02-Mar-17	06-Mar-17	02-Mar-17	06-Mar-17	0%	0%	30						
A34340	Portion A16 - Removal of Lateral Support	2	15-Mar-17	16-Mar-17	15-Mar-17	16-Mar-17	0%	0%	30						
A34350	Portion A16 - Columns & Walls Construction (Deferred Area)	4	17-Mar-17	21-Mar-17	17-Mar-17	21-Mar-17	0%	0%	30						
A34360	Portion A16 - Construct B1 Slab (Deferred Area)	3	22-Mar-17	24-Mar-17	22-Mar-17	24-Mar-17	0%	0%	30						
Portion B18															
A34370	Portion B18 - Columns & Walls Construction	6	24-Feb-17	02-Mar-17	24-Feb-17	02-Mar-17	0%	0%	30						
A34380	Portion B18 - Construct B1 Slab	4	03-Mar-17	07-Mar-17	03-Mar-17	07-Mar-17	0%	0%	30						
A34390	Portion B6 - Removal of Lateral Support	2	16-Mar-17	17-Mar-17	16-Mar-17	17-Mar-17	0%	0%	30						
A34400	Portion B18 - Columns & Walls Construction (Deferred Area)	3	18-Mar-17	21-Mar-17	18-Mar-17	21-Mar-17	0%	0%	30						
A34410	Portion B18 - Construct B1 Slab (Deferred Area)	3	22-Mar-17	24-Mar-17	22-Mar-17	24-Mar-17	0%	0%	30						
Portion A17															
A34420	Portion A17 - Columns & Walls Construction	7	24-Mar-17	01-Apr-17	24-Mar-17	01-Apr-17	0%	0%	6						
A34430	Portion A17 - Construct B1 Slab	5	01-Apr-17	08-Apr-17	01-Apr-17	08-Apr-17	0%	0%	6						
A34440	Portion A7 - Removal of Lateral Support	2	20-Apr-17	22-Apr-17	20-Apr-17	22-Apr-17	0%	0%	6						
Portion B19															
A34450	Portion B19 - Columns & Walls Construction	6	24-Mar-17	31-Mar-17	24-Mar-17	31-Mar-17	0%	0%	6						
A34460	Portion B19 - Construct B1 Slab	4	31-Mar-17	06-Apr-17	31-Mar-17	06-Apr-17	0%	0%	6						
A34470	Portion B7 - Removal of Lateral Support	2	18-Apr-17	20-Apr-17	18-Apr-17	20-Apr-17	0%	0%	6						
A34480	Portion B19 - Columns & Walls Construction (Deferred Area)	3	20-Apr-17	24-Apr-17	20-Apr-17	24-Apr-17	0%	0%	6						
A34490	Portion B19 - Construct B1 Slab (Deferred Area)	3	24-Apr-17	27-Apr-17	24-Apr-17	27-Apr-17	0%	0%	6						
Portion A18															
A34500	Portion A18 - Columns & Walls Construction	7	24-Feb-17	03-Mar-17	21-Feb-17	02-Mar-17	0%	25%	42						
A34510	Portion A18 - Construct B1 Slab	4	02-Mar-17	07-Mar-17	02-Mar-17	07-Mar-17	0%	0%	42						
A34520	Portion A8 - Removal of Lateral Support	2	15-Mar-17	17-Mar-17	15-Mar-17	17-Mar-17	0%	0%	42						
A34530	Portion A18 - Columns & Walls Construction (Deferred Area)	3	17-Mar-17	21-Mar-17	17-Mar-17	21-Mar-17	0%	0%	42						
A34540	Portion A18 - Construct B1 Slab (Deferred Area)	3	21-Mar-17	24-Mar-17	21-Mar-17	24-Mar-17	0%	0%	42						
Portion B20															

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017					
										Feb 17	Mar 18	Apr 19	May 20		
A34550	Portion B20 - Columns & Walls Construction	6	05-Apr-17	11-Apr-17	05-Apr-17	11-Apr-17	0%	0%	7						
A34560	Portion B20 - Construct B1 Slab	4	12-Apr-17	19-Apr-17	12-Apr-17	19-Apr-17	0%	0%	7						
A34570	Portion B8 - Removal of Lateral Support	2	28-Apr-17	29-Apr-17	28-Apr-17	29-Apr-17	0%	0%	7						
Portion B21															
A34580	Portion B21 - Columns & Walls Construction	4	23-Mar-17	27-Mar-17	23-Mar-17	27-Mar-17	0%	0%	30						
A34590	Portion B21 - Construct B1 Slab	3	28-Mar-17	30-Mar-17	28-Mar-17	30-Mar-17	0%	0%	30						
A34600	Portion B9 - Removal of Lateral Support	2	10-Apr-17	11-Apr-17	10-Apr-17	11-Apr-17	0%	0%	30						
A34610	Portion B21 - Columns & Walls Construction (Deferred Area)	3	12-Apr-17	18-Apr-17	12-Apr-17	18-Apr-17	0%	0%	30						
A34620	Portion B21 - Construct B1 Slab (Deferred Area)	3	19-Apr-17	21-Apr-17	19-Apr-17	21-Apr-17	0%	0%	30						
Portion B22															
A34630	Portion B22 - Columns & Walls Construction	4	28-Mar-17	01-Apr-17	28-Mar-17	01-Apr-17	0%	0%	25						
A34640	Portion B22 - Construct B1 Slab	3	01-Apr-17	06-Apr-17	01-Apr-17	06-Apr-17	0%	0%	25						
A34650	Portion B10 - Removal of Lateral Support	2	18-Apr-17	20-Apr-17	18-Apr-17	20-Apr-17	0%	0%	25						
A34660	Portion B22 - Columns & Walls Construction (Deferred Area)	3	20-Apr-17	24-Apr-17	20-Apr-17	24-Apr-17	0%	0%	25						
A34670	Portion B22 - Construct B1 Slab (Deferred Area)	3	24-Apr-17	27-Apr-17	24-Apr-17	27-Apr-17	0%	0%	25						
Portion A19															
A34680	Portion A19 - Columns & Walls Construction	7	03-Mar-17	10-Mar-17	03-Mar-17	10-Mar-17	0%	0%	62						
A34690	Portion A19 - Construct B1 Slab	4	11-Mar-17	15-Mar-17	11-Mar-17	15-Mar-17	0%	0%	62						
A34700	Portion A9 - Removal of Lateral Support	2	24-Mar-17	25-Mar-17	24-Mar-17	25-Mar-17	0%	0%	62						
A34710	Portion A19 - Columns & Walls Construction (Deferred Area)	3	27-Mar-17	29-Mar-17	27-Mar-17	29-Mar-17	0%	0%	62						
A34720	Portion A19 - Construct B1 Slab (Deferred Area)	3	30-Mar-17	01-Apr-17	30-Mar-17	01-Apr-17	0%	0%	62						
Portion B23															
A34730	Portion B23 - Columns & Walls Construction	5	31-Mar-17	07-Apr-17	31-Mar-17	07-Apr-17	0%	0%	37						
A34740	Portion B23 - Construct B1 Slab	3	07-Apr-17	11-Apr-17	07-Apr-17	11-Apr-17	0%	0%	37						
A34750	Portion B11 - Removal of Lateral Support	2	22-Apr-17	25-Apr-17	22-Apr-17	25-Apr-17	0%	0%	37						
Portion A20															
A34760	Portion A20 - Columns & Walls Construction	4	28-Feb-17	04-Mar-17	28-Feb-17	04-Mar-17	0%	0%	72						
A34770	Portion A20 - Construct B1 Slab	3	04-Mar-17	08-Mar-17	04-Mar-17	08-Mar-17	0%	0%	72						
A34780	Portion A10 - Removal of Lateral Support	2	16-Mar-17	18-Mar-17	16-Mar-17	18-Mar-17	0%	0%	79						
Portion A21															
A34790	Portion A21 - Columns & Walls Construction	4	24-Feb-17	28-Feb-17	21-Feb-17	27-Feb-17	0%	25%	76						
A34800	Portion A21 - Construct B1 Slab	3	28-Feb-17	02-Mar-17	28-Feb-17	02-Mar-17	0%	0%	76						
A34810	Portion A11 - Removal of Lateral Support	2	11-Mar-17	13-Mar-17	11-Mar-17	13-Mar-17	0%	0%	83						
A34820	Portion A21 - Columns & Walls Construction (Deferred Area)	3	27-Mar-17	29-Mar-17	27-Mar-17	29-Mar-17	0%	0%	62						
A34830	Portion A21 - Construct B1 Slab (Deferred Area)	3	30-Mar-17	01-Apr-17	30-Mar-17	01-Apr-17	0%	0%	62						
Portion B24															
A34840	Portion B24 - Columns & Walls Construction	4	14-Mar-17	18-Mar-17	14-Mar-17	18-Mar-17	0%	0%	59						
A34850	Portion B24 - Construct B1 Slab	3	18-Mar-17	22-Mar-17	18-Mar-17	22-Mar-17	0%	0%	59						
A34860	Portion B12 - Removal of Lateral Support	2	30-Mar-17	01-Apr-17	30-Mar-17	01-Apr-17	0%	0%	66						
Portion B25															
A34870	Portion B25 - Columns & Walls Construction	5	12-Apr-17	21-Apr-17	12-Apr-17	21-Apr-17	0%	0%	37						
A34880	Portion B25 - Construct B1 Slab	3	21-Apr-17	25-Apr-17	21-Apr-17	25-Apr-17	0%	0%	37						
A34900	Portion B25 - Columns & Walls Construction (Deferred Area - Stage 1)	3	25-Apr-17	28-Apr-17	25-Apr-17	28-Apr-17	0%	0%	37						
A34910	Portion B25 - Construct B1 Slab (Deferred Area - Stage 1)	3	28-Apr-17	04-May-17	28-Apr-17	04-May-17	0%	0%	37						
A34890	Portion B13 - Removal of Lateral Support	2	05-May-17	08-May-17	05-May-17	08-May-17	0%	0%	38						
A34920	Portion B13 - Removal of Lateral Support	2	12-May-17	15-May-17	12-May-17	15-May-17	0%	0%	38						
Roof Slab (Portion A) - Construct B1/F to Roof Lvl Cols, Walls & Roof Slab															
Portion A22															
A34930	Portion A22 - Columns & Walls Construction	15	24-Feb-17	13-Mar-17	23-Jan-17	08-Mar-17	100%	30%	-31						
A34940	Portion A22 - Construct Roof Slab	10	08-Mar-17	20-Mar-17	08-Mar-17	20-Mar-17	100%	0%	-31						
Portion A23															
A34950	Portion A23 - Columns & Walls Construction	13	25-Mar-17	11-Apr-17	25-Mar-17	11-Apr-17	0%	0%	43						
A34960	Portion A23 - Construct Roof Slab	7	11-Apr-17	22-Apr-17	11-Apr-17	22-Apr-17	0%	0%	43						
Portion A24															
A34970	Portion A24 - Columns & Walls Construction	7	08-Apr-17	20-Apr-17	08-Apr-17	20-Apr-17	0%	0%	6						
A34980	Portion A24 - Construct Roof Slab	4	20-Apr-17	25-Apr-17	20-Apr-17	25-Apr-17	0%	0%	6						
Portion A25															
A34990	Portion A25 - Columns & Walls Construction	7	16-Mar-17	23-Mar-17	16-Mar-17	23-Mar-17	0%	0%	62						
A35000	Portion A25 - Construct Roof Slab	4	24-Mar-17	28-Mar-17	24-Mar-17	28-Mar-17	0%	0%	62						
Portion A26															
A35010	Portion A26 - Columns & Walls Construction	4	08-Mar-17	13-Mar-17	08-Mar-17	13-Mar-17	0%	0%	72						
A35020	Portion A26 - Construct Roof Slab	3	13-Mar-17	16-Mar-17	13-Mar-17	16-Mar-17	0%	0%	72						
Roof Slab (Portion B) - Construct B1/F to Roof Lvl Cols, Walls & Roof Slab															
Portion B26															
A35030	Portion B26 - Columns & Walls Construction	9	07-Mar-17	17-Mar-17	07-Mar-17	17-Mar-17	100%	0%	-22						
A35040	Portion B26 - Construct Roof Slab	6	17-Mar-17	24-Mar-17	17-Mar-17	24-Mar-17	66.67%	0%	-22						
Portion B27															
A35050	Portion B27 - Columns & Walls Construction	9	01-Apr-17	13-Apr-17	01-Apr-17	13-Apr-17	0%	0%	37						
A35060	Portion B27 - Construct Roof Slab	6	13-Apr-17	24-Apr-17	13-Apr-17	24-Apr-17	0%	0%	37						
Portion B28															
A35070	Portion B28 - Columns & Walls Construction	6	06-Apr-17	13-Apr-17	06-Apr-17	13-Apr-17	0%	0%	6						
A35080	Portion B28 - Construct Roof Slab	5	13-Apr-17	22-Apr-17	13-Apr-17	22-Apr-17	0%	0%	6						
Portion B29															
A35090	Portion B29 - Columns & Walls Construction	6	20-Apr-17	26-Apr-17	20-Apr-17	26-Apr-17	0%	0%	7						
A35100	Portion B29 - Construct Roof Slab	4	27-Apr-17	02-May-17	27-Apr-17	02-May-17	0%	0%	7						
Portion B30															
A35110	Portion B30 - Columns & Walls Construction	6	06-Apr-17	13-Apr-17	06-Apr-17	13-Apr-17	0%	0%	25						
A35120	Portion B30 - Construct Roof Slab	4	13-Apr-17	21-Apr-17	13-Apr-17	21-Apr-17	0%	0%	25						
Portion B31															
A35130	Portion B31 - Columns & Walls Construction	6	11-Apr-17	21-Apr-17	11-Apr-17	21-Apr-17	0%	0%	37						
A35140	Portion B31 - Construct Roof Slab	4	21-Apr-17	26-Apr-17	21-Apr-17	26-Apr-17	0%	0%	37						

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
Portion B32														
A35150	Portion B32 - Columns & Walls Construction	6	04-May-17	11-May-17	04-May-17	11-May-17	0%	0%	37				A35150	
A35160	Portion B32 - Construct Roof Slab	4	11-May-17	16-May-17	11-May-17	16-May-17	0%	0%	37				A35160	
Miscellaneous Structure Above Grd Slab / Roof Deck														
Gridline 1a - 5a / Fa-Ma														
A35170	Construct Vent Ducts / Staircases / Lift Shaft on Upper Roof	16	27-Apr-17	18-May-17	27-Apr-17	18-May-17	0%	0%	35				A35170	
Gridline 5a - 9a / Da-Ma														
A35200	Construct Vent Ducts & Staircases	16	25-Apr-17	16-May-17	25-Apr-17	16-May-17	0%	0%	37				A35200	
A35220	Diversion of Traffic and Hoarding modification	14	16-May-17	01-Jun-17	16-May-17	01-Jun-17	0%	0%	38				A35220	
A35210	ICP - Completion of ICP Structure for Backfilling Works	0		16-May-17		16-May-17	0%	0%	32				A35210	
Dismantle TC 5 & Infill openings														
A35230	Dismantle Tower Crane TC5	3	22-Apr-17	26-Apr-17	22-Apr-17	26-Apr-17	0%	0%	45				A35230	
A35240	Concrete In-Fill from Roof to B1/slab Openings	9	26-Apr-17	09-May-17	26-Apr-17	09-May-17	0%	0%	45				A35240	
ICP - ABWF Works														
B2 Slab Construction (Phase 1)														
Portion A12 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35250	Portion A12 - Preparation Works	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17	100%	0%	-23					
A35260	Portion A12 - Granular Fill on Top of Pilecaps & Bottom slab	3	25-Feb-17	28-Feb-17	25-Feb-17	28-Feb-17	100%	0%	-23					
A35270	Portion A12 - Construct B2 Slab	6	01-Mar-17	07-Mar-17	01-Mar-17	07-Mar-17	100%	0%	-23					
Portion A13 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35280	Portion A13 - Preparation Works	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17	100%	0%	-14					
A35290	Portion A13 - Granular Fill on Top of Pilecaps & Bottom slab	3	25-Feb-17	28-Feb-17	25-Feb-17	28-Feb-17	100%	0%	-14					
A35300	Portion A13 - Construct B2 Slab	6	01-Mar-17	07-Mar-17	01-Mar-17	07-Mar-17	100%	0%	-14					
Portion B14 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35310	Portion B14 - Preparation Works	1	23-Mar-17	24-Mar-17	23-Mar-17	24-Mar-17	100%	0%	-37					
A35320	Portion B14 - Granular Fill on Top of Pilecaps & Bottom slab	3	24-Mar-17	28-Mar-17	24-Mar-17	28-Mar-17	100%	0%	-37					
A35330	Portion B14 - Construct B2 Slab	6	28-Mar-17	05-Apr-17	28-Mar-17	05-Apr-17	100%	0%	-37					
Portion B15 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35340	Portion B15 - Preparation Works	1	31-Mar-17	01-Apr-17	31-Mar-17	01-Apr-17	0%	0%	-22					
A35350	Portion B15 - Granular Fill on Top of Pilecaps & Bottom slab	3	01-Apr-17	06-Apr-17	01-Apr-17	06-Apr-17	0%	0%	-22					
A35360	Portion B15 - Construct B2 Slab	6	06-Apr-17	13-Apr-17	06-Apr-17	13-Apr-17	0%	0%	-22					
B2 Slab Construction (Phase 2)														
Portion A14 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35370	Portion A14 - Preparation Works	1	24-Apr-17	25-Apr-17	24-Apr-17	25-Apr-17	0%	0%	43					
A35380	Portion A14 - Granular Fill on Top of Pilecaps & Bottom slab	3	25-Apr-17	28-Apr-17	25-Apr-17	28-Apr-17	0%	0%	43					
A35390	Portion A14 - Construct B2 Slab	6	28-Apr-17	08-May-17	28-Apr-17	08-May-17	0%	0%	43					
Portion A15 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35400	Portion A15 - Preparation Works	1	21-Apr-17	21-Apr-17	21-Apr-17	21-Apr-17	0%	0%	45					
A35410	Portion A15 - Granular Fill on Top of Pilecaps & Bottom slab	3	22-Apr-17	25-Apr-17	22-Apr-17	25-Apr-17	0%	0%	45					
A35420	Portion A15 - Construct B2 Slab	6	26-Apr-17	04-May-17	26-Apr-17	04-May-17	0%	0%	45					
Portion B16 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35430	Portion B16 - Preparation Works	1	02-May-17	04-May-17	02-May-17	04-May-17	0%	0%	37					
A35440	Portion B16 - Granular Fill on Top of Pilecaps & Bottom slab	3	04-May-17	08-May-17	04-May-17	08-May-17	0%	0%	37					
A35450	Portion B16 - Construct B2 Slab	6	08-May-17	15-May-17	08-May-17	15-May-17	0%	0%	37					
Portion B17 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35460	Portion B17 - Preparation Works	1	27-Apr-17	27-Apr-17	27-Apr-17	27-Apr-17	0%	0%	38					
A35470	Portion B17 - Granular Fill on Top of Pilecaps & Bottom slab	3	28-Apr-17	02-May-17	28-Apr-17	02-May-17	0%	0%	38					
A35480	Portion B17 - Construct B2 Slab	6	04-May-17	10-May-17	04-May-17	10-May-17	0%	0%	38					
B2 Slab Construction (Phase 3)														
Portion A16 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35490	Portion A16 - Preparation Works	1	24-Apr-17	24-Apr-17	24-Apr-17	24-Apr-17	0%	0%	30					
A35500	Portion A16 - Granular Fill on Top of Pilecaps & Bottom slab	3	25-Apr-17	27-Apr-17	25-Apr-17	27-Apr-17	0%	0%	30					
A35510	Portion A16 - Construct B2 Slab	6	28-Apr-17	06-May-17	28-Apr-17	06-May-17	0%	0%	30					
Portion A17 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35550	Portion A17 - Preparation Works	1	09-May-17	10-May-17	09-May-17	10-May-17	0%	0%	6					
A35560	Portion A17 - Granular Fill on Top of Pilecaps & Bottom slab	3	10-May-17	13-May-17	10-May-17	13-May-17	0%	0%	6					
A35570	Portion A17 - Construct B2 Slab	6	13-May-17	20-May-17	13-May-17	20-May-17	0%	0%	6					
Portion B19 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35580	Portion B19 - Preparation Works	1	20-May-17	22-May-17	20-May-17	22-May-17	0%	0%	6					
A35590	Portion B19 - Granular Fill on Top of Pilecaps & Bottom slab	3	22-May-17	25-May-17	22-May-17	25-May-17	0%	0%	6					
Portion A18 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35610	Portion A18 - Preparation Works	1	22-May-17	23-May-17	22-May-17	23-May-17	0%	0%	19					
A35620	Portion A18 - Granular Fill on Top of Pilecaps & Bottom slab	3	23-May-17	26-May-17	23-May-17	26-May-17	0%	0%	19					
Portion B20 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35640	Portion B20 - Preparation Works	1	17-May-17	17-May-17	17-May-17	17-May-17	0%	0%	7					
A35650	Portion B20 - Granular Fill on Top of Pilecaps & Bottom slab	3	18-May-17	20-May-17	18-May-17	20-May-17	0%	0%	7					
A35660	Portion B20 - Construct B2 Slab	6	22-May-17	27-May-17	22-May-17	27-May-17	0%	0%	7					
Portion B21 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35670	Portion B21 - Preparation Works	1	19-May-17	19-May-17	19-May-17	19-May-17	0%	0%	30					
A35680	Portion B21 - Granular Fill on Top of Pilecaps & Bottom slab	3	20-May-17	23-May-17	20-May-17	23-May-17	0%	0%	30					
Portion A19 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35730	Portion A19 - Preparation Works	1	04-May-17	04-May-17	04-May-17	04-May-17	0%	0%	62					
A35740	Portion A19 - Granular Fill on Top of Pilecaps & Bottom slab	3	05-May-17	08-May-17	05-May-17	08-May-17	0%	0%	62					
A35750	Portion A19 - Construct B2 Slab	6	09-May-17	15-May-17	09-May-17	15-May-17	0%	0%	62					
Portion B23 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35760	Portion B23 - Preparation Works	1	11-May-17	12-May-17	11-May-17	12-May-17	0%	0%	37					
A35770	Portion B23 - Granular Fill on Top of Pilecaps & Bottom slab	3	12-May-17	16-May-17	12-May-17	16-May-17	0%	0%	37					
A35780	Portion B23 - Construct B2 Slab	6	16-May-17	23-May-17	16-May-17	23-May-17	0%	0%	37					
Portion A20 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35790	Portion A20 - Preparation Works	1	01-Apr-17	03-Apr-17	01-Apr-17	03-Apr-17	0%	0%	72					
A35800	Portion A20 - Granular Fill on Top of Pilecaps & Bottom slab	3	03-Apr-17	07-Apr-17	03-Apr-17	07-Apr-17	0%	0%	72					
A35810	Portion A20 - Construct B2 Slab	6	07-Apr-17	18-Apr-17	07-Apr-17	18-Apr-17	0%	0%	72					

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
Portion A21 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35820	Portion A21 - Preparation Works	1	04-May-17	04-May-17	04-May-17	04-May-17	0%	0%	62					
A35830	Portion A21 - Granular Fill on Top of Pilecaps & Bottom slab	3	05-May-17	08-May-17	05-May-17	08-May-17	0%	0%	62					
A35840	Portion A21 - Construct B2 Slab	6	09-May-17	15-May-17	09-May-17	15-May-17	0%	0%	62					
Portion B24 - B2 Slab (200 thk) @ Lvl -0.05mPD														
A35850	Portion B24 - Preparation Works	1	20-Apr-17	21-Apr-17	20-Apr-17	21-Apr-17	0%	0%	59					
A35860	Portion B24 - Granular Fill on Top of Pilecaps & Bottom slab	3	21-Apr-17	25-Apr-17	21-Apr-17	25-Apr-17	0%	0%	59					
A35870	Portion B24 - Construct B2 Slab	6	25-Apr-17	04-May-17	25-Apr-17	04-May-17	0%	0%	59					
B2/F to B1/F ABWF and Fitout Works														
Portion A (Phase 1)														
A35880	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	40	20-Mar-17	11-May-17	20-Mar-17	11-May-17	7.5%	0%	-23					
A35890	Fitout Works - Internal Ceiling & Wall Painting	40	09-May-17	24-Jun-17	09-May-17	24-Jun-17	0%	0%	-23					
Portion A (Phase 2)														
A35930	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	40	08-May-17	24-Jun-17	08-May-17	24-Jun-17	0%	0%	43					
Portion A (Phase 3)														
A35980	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	50	11-May-17	10-Jul-17	11-May-17	10-Jul-17	0%	0%	30					
Portion B (Phase 1)														
A36030	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	40	08-Mar-17	28-Apr-17	08-Mar-17	28-Apr-17	30%	0%	-22					
A36040	Fitout Works - Internal Ceiling & Wall Painting	40	25-Apr-17	14-Jun-17	25-Apr-17	14-Jun-17	0%	0%	-22					
A36050	Fitout Works - Install bituminous road base for driveway	20	14-Jun-17	08-Jul-17	14-Jun-17	08-Jul-17	0%	0%	-22					
B1/F to Roof ABWF and Fitout Works														
Portion A														
Phase 1 & 2														
A36150	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	60	13-Apr-17	29-Jun-17	13-Apr-17	29-Jun-17	0%	0%	-31					
A36160	Fitout Works - Internal Ceiling & Wall Painting	60	31-May-17	10-Aug-17	31-May-17	10-Aug-17	0%	0%	-31					
Phase 3														
A36190	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	60	13-Apr-17	29-Jun-17	13-Apr-17	29-Jun-17	0%	0%	-31					
A36200	Fitout Works - Internal Ceiling & Wall Painting	60	31-May-17	10-Aug-17	31-May-17	10-Aug-17	0%	0%	-31					
Portion B														
Phase 1 & 2														
A36230	ABWF Works - Internal Ceiling & Wall Plastering (Wet Trades)	75	29-May-17	26-Aug-17	29-May-17	26-Aug-17	0%	0%	-22					
ICP - Building Services														
B1/F Level														
CLP Works Leading to Energization / Power-On														
Electrical (B1/F) - Transformer Room (B128)														
A36650	CLP Transformer - Builders Works & BS Installation	21	06-May-17	01-Jun-17	06-May-17*	01-Jun-17	0%	0%	43					
Electrical (B1/F) - LV Switch room (B126)														
A36690	LV Switch room - Builders Works & BS Installation	30	22-May-17	27-Jun-17	22-May-17	27-Jun-17	0%	0%	21					
External Electrical Power and Lead-In Cable Ducts														
A36710	Construct (4x) 2.5x2.2x1.2m Electrical Draw Pits	36	06-May-17	19-Jun-17	06-May-17	19-Jun-17	0%	0%	43					
A36720	Install 12x150dia @ 2-Layers GI Ducts	36	19-May-17	03-Jul-17	19-May-17	03-Jul-17	0%	0%	43					
FS Plant Rooms (FS Pump Room and Security Room)														
A36830	FS Rooms - Builders Works & BS Installation	45	22-May-17	15-Jul-17	22-May-17	15-Jul-17	0%	0%	43					
Fire Services (Wet)														
Zone 1														
A36870	ICP (FS-Wet) - B1/F Building Services (1st Fix)	40	31-May-17	18-Jul-17	31-May-17	18-Jul-17	0%	0%	-31					
Fire Services (Dry)														
Zone 1														
A36910	ICP (FS-Dry) - B1/F Building Services (1st Fix)	40	31-May-17	18-Jul-17	31-May-17	18-Jul-17	0%	0%	-31					
ICP - External Envelope														
A36990	ICP - Install GRC Architectural Louvre & Bracket	40	18-May-17	06-Jul-17	18-May-17	06-Jul-17	0%	0%	35					
A37010	ICP - Install Facade Louvre Screen	40	18-May-17	06-Jul-17	18-May-17	06-Jul-17	0%	0%	35					
External Works														
SPS														
SPS - G/F External Utilities & Roadworks														
Grd Lvl - Watermain / FS Pipes Connection (Outside SPS) to PM														
A37210	Excavation Across Main Road From SPS Site to PIW Main pipes	45	24-Feb-17	21-Apr-17	09-Jan-17	07-Apr-17	100%	20%	-36					
A37220	Construct Trench & Valve Pit	16	08-Apr-17	29-Apr-17	08-Apr-17	29-Apr-17	0%	0%	-36					
A37230	Install Pipeworks and Testing	40	02-May-17	19-Jun-17	02-May-17	19-Jun-17	0%	0%	-36					
A37240	Watermain Final Connection & Backfill	25	20-Jun-17	19-Jul-17	20-Jun-17	19-Jul-17	0%	0%	-36					
ICP														
ICP - G/F External Utilities & Roadworks														
Works Above ICP at Portion B														
A37470	Portion B - Waterproofing & Backfilling	30	18-May-17	23-Jun-17	18-May-17	23-Jun-17	0%	0%	36					
Co-ordinated External Works & Utilities Services Installation														
Interface Dates														
Access Dates														
A24720	M12 - Lyric Interface North (2nd access) (30Nov16)	0	24-Feb-17		24-Feb-17		100%	0%	-42					
A25000	M43 - At-grade Road Footpath at ICP / SPS Entrance Portal (from PIW) (15Feb17)	0	24-Feb-17		24-Feb-17		100%	0%	-52					
A25010	M44 - At-grade Road Footpath at ICP / SPS Frontage (from PIW) (1Jun2016)	0	24-Feb-17		24-Feb-17		100%	0%	-52					
A25130	M70 - Arts Pavilion Area on M+ side of M+ / Park Interface (t.b.a.)	0	24-Feb-17		24-Feb-17		100%	0%	-69					
Vacation Date														
A25840	M71 - Area Within Initial M+ Hoarding, but on Park Side of M+/Park Interface Lir	0		24-Feb-17		24-Feb-17*	100%	0%	-69					
A25320	M12 - Lyric Interface North (2nd H/O to Lyric) (31Mar17)	0		07-Jun-17		07-Jun-17*	0%	0%	-40					
Interface Schedule (Appendix D1 - 16 December 2015)														
Lyric Theatre Complex and Extended Basement (Lyric)														
Along Interface North of AEL														
A25950	Complete excavation north of AEL for B2/F slab and vacate M12	0		24-Feb-17		24-Feb-17*	100%	0%	-53					
A25960	Take possession of M12 for external wall construction (30 Nov 2016)	0	24-Feb-17		24-Feb-17		100%	0%	-33					
A25970	Vacate M12 permanently (31 Mar 2017)	0		07-Jun-17		07-Jun-17	0%	0%	-31					
Along Interface South of AEL														
DCS Basement Area														
A26050	Complete the staircase and external wall and vacate M15 (Refer to M+Podium S	0		10-May-17		10-May-17*	0%	0%	0					

♦ M12 : Lyric Interface North (2nd access) (30Nov16)
 ♦ M43 : At-grade Road Footpath at ICP / SPS Entrance Portal (from PIW) (15Feb2017)
 ♦ M44 : At-grade Road Footpath at ICP / SPS Frontage (from PIW) (1Jun2016)
 ♦ M70 : Arts Pavilion Area on M+ side of M+ / Park Interface (t.b.a.)
 ♦ M71 : Area Within Initial M+ Hoarding, but on Park Side of M+/Park Interface Line (for Access by Park Ctr)(15Jun2016)
 ♦ Complete excavation north of AEL for B2/F slab and vacate M12
 ♦ Take possession of M12 for external wall construction (30 Nov 2016)
 ♦ Complete the stair

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
PIW Phase 1														
M+ Portal Road Interface PIW at Grade Road														
A26180	Access Portion M43	0	24-Feb-17		24-Feb-17		100%	0%	-42					
M+ Drain Connection to PIW Drainage MH WHC6_1f														
A26190	Commencement of drainage work for WHC6_1f	0	24-Feb-17		24-Feb-17*		100%	0%	-39					
A26200	Complete of drainage work for WHC6_1f	0		28-Mar-17		28-Mar-17*	100%	0%	-39					
Towngas Interface PIW														
DN150 incoming gas main at Entrance Portal (CIV-DWG-0403)														
A26210	Complete Entrance Portal RC Structure	0	03-Apr-17		03-Apr-17*		0%	0%	0					
A26220	Excavate Trench & Install Shoring for Gas Main @ Footway (To be coordinated w/)	6	03-Apr-17	10-Apr-17	03-Apr-17	10-Apr-17	0%	0%	0					
A26230	Allow Towngas to install gas main (By Towngas)	6	11-Apr-17	20-Apr-17	11-Apr-17	20-Apr-17	0%	0%	0					
A26240	Backfill Trench to Ground Levels	3	21-Apr-17	24-Apr-17	21-Apr-17	24-Apr-17	0%	0%	0					
DN150 incoming gas main for RDE (CIV-DWG-0404)														
A26250	Excavate Trench & Install Shoring for Gas Main @ Footway (To be coordinated w/)	6	19-May-17	25-May-17	19-May-17	25-May-17	0%	0%	-33					
A26260	Allow Towngas to install gas main (By Towngas)	6	26-May-17	02-Jun-17	26-May-17	02-Jun-17	0%	0%	-33					
A26270	Backfill Trench to Ground Levels	3	03-Jun-17	06-Jun-17	03-Jun-17	06-Jun-17	0%	0%	-33					
A26280	Vacate M45 (8 July 2017)	0		06-Jun-17		06-Jun-17	0%	0%	-33					
M+ Road Interface with PIW														
A26310	Allow Access to PIW to construct traffic signal draw pits, controller, signal poles	0	03-Apr-17		03-Apr-17		0%	0%	0					
Seawater Cooling Intake Pipes Interface PIW														
A26320	Allow Access to PIW to lay utilities over the Seawater Cooling Intake	0	19-Jul-17		19-Jul-17*		0%	0%	-53					
Civil Works Interface with PIW Watermain South of M+														
KGO Cooling Main Diversion														
A26360	Allow access to PIW Contractor to complete KGO Cooling Main Diversion	0	01-Apr-17		01-Apr-17*		0%	0%	0					
Park														
Sewage Interface w/ Park PIW (SW of M+ & ICP SPS)														
A26430	Complete Laying Sewer Pipe DN300 from F2.1E to SM19	0		29-Apr-17		29-Apr-17	0%	0%	-31					
SPS & Interface Carpark Interface w/ Park														
A26500	Complete Access Road to SPS for FS Inspection (Park above ICP)	0		15-Jun-17		15-Jun-17	0%	0%	-23					
A26460	SPS Complete Meter Cabinet for power supply for T&C	0		16-Jun-17		16-Jun-17	0%	0%	-26					
A26470	SPS Test & Commissioning Complete	0		30-Jun-17		30-Jun-17	0%	0%	-31					
Telecoms Interface w/ Park PIW (W of M+)														
A26520	Allow Access to Park Contractor to connect ICT Cable Ducts to M+ Draw-pit	0	24-Feb-17		24-Feb-17		100%	0%	-53					
A26530	Allow Access to Park Contractor to connect ELV Cable Ducts to M+ Draw-pit	0	24-Feb-17		24-Feb-17		100%	0%	-53					
A26540	Allow Access to Park Contractor to construct & connect FTNS Cable Ducts at M+	0	24-Feb-17		24-Feb-17		100%	0%	-53					
CLP														
A26560	Handover M+ - Transformer Room Trx B to CLP	0		03-Mar-17		03-Mar-17*	0%	0%	0					
A26550	Handover M+ - Transformer Room Trx A to CLP	0		06-Apr-17		06-Apr-17*	0%	0%	0					
A26580	Handover RDE - Transformer Room to CLP	0		06-Apr-17		06-Apr-17*	0%	0%	0					
A27785	Handover SPS - Meter Cabinet to CLP	0	12-May-17		12-May-17		0%	0%	-43					
Construction														
Seawater Outfall Pipe														
Submissions & Approval														
A26620	RSS Review & Approve Trench Detail Design and Method Statement	109	12-Aug-16	20-Dec-16	12-Aug-16	28-Feb-17	100%	97%	-53					
A26600	BD Review & Approve ELS Design	87	08-Sep-16	21-Dec-16	08-Sep-16	01-Mar-17	100%	95%	-53					
Construction at CH0+66 to CH0+108														
Trench Excavation & Pipe works (CH0+66 to CH0+102)														
A26660	Install Strut & Wailing @ +3.5mPD	12	24-Feb-17	09-Mar-17	24-Feb-17	09-Mar-17	100%	0%	-53					
A26670	Trench Excavation@+3.0mPD to Final excavation Lvl	3	10-Mar-17	13-Mar-17	10-Mar-17	13-Mar-17	100%	0%	-53					
A26680	Pipe Laying & Associated Works	6	14-Mar-17	20-Mar-17	14-Mar-17	20-Mar-17	100%	0%	-53					
A26690	Construct Bend Blocks	6	21-Mar-17	27-Mar-17	21-Mar-17	27-Mar-17	100%	0%	-53					
A26700	Pressure Test	6	28-Mar-17	03-Apr-17	28-Mar-17	03-Apr-17	100%	0%	-53					
A26710	Back Filling to Struts & Wailing Lvl	6	05-Apr-17	11-Apr-17	05-Apr-17	11-Apr-17	100%	0%	-53					
A26720	Dismantle Struts & Wailing	3	12-Apr-17	18-Apr-17	12-Apr-17	18-Apr-17	100%	0%	-53					
A26730	Back Filling to GL	6	19-Apr-17	25-Apr-17	19-Apr-17	25-Apr-17	100%	0%	-53					
A26740	Extract Sheetpiles	3	26-Apr-17	28-Apr-17	26-Apr-17	28-Apr-17	100%	0%	-53					
Construct Cofferdam & Pipe works for Lead In (CH0+102 to CH0+108)														
A26750	Drive in Sheetpiles (Cofferdam) @ 18m depth	9	01-Mar-17	11-Mar-17	01-Mar-17	11-Mar-17	100%	0%	-53					
A26760	Curtain Grouting (where required)	12	11-Mar-17	25-Mar-17	11-Mar-17	25-Mar-17	100%	0%	-53					
A26770	Dewatering	1	25-Mar-17	27-Mar-17	25-Mar-17	27-Mar-17	100%	0%	-53					
A26780	ELS Excavation (Cofferdam)@GL +5.0mPD to +3.0mPD	3	27-Mar-17	30-Mar-17	27-Mar-17	30-Mar-17	100%	0%	-53					
A26790	Install 1st Layer Strut & Wailing (Cofferdam) @ +3.5mPD	6	30-Mar-17	07-Apr-17	30-Mar-17	07-Apr-17	100%	0%	-53					
A26800	ELS Excavation (Cofferdam)@+3.0mPD to +0.275mPD	3	07-Apr-17	11-Apr-17	07-Apr-17	11-Apr-17	100%	0%	-53					
A26810	Install 2nd Layer Strut & Wailing (Cofferdam) @ +0.775mPD	6	11-Apr-17	21-Apr-17	11-Apr-17	21-Apr-17	100%	0%	-53					
A26820	ELS Excavation (Cofferdam)@+0.275mPD to -2.45mPD	3	21-Apr-17	25-Apr-17	21-Apr-17	25-Apr-17	100%	0%	-53					
A26830	Install 3rd Layer Strut & Wailing (Cofferdam) @ -1.95mPD	6	25-Apr-17	04-May-17	25-Apr-17	04-May-17	100%	0%	-53					
A26840	ELS Excavation Final (Cofferdam)@ -2.45mPD to -3.70mPD	3	04-May-17	08-May-17	04-May-17	08-May-17	0%	0%	-53					
A26850	Pipe Laying & Associated Works	4	08-May-17	12-May-17	08-May-17	12-May-17	0%	0%	-53					
A26860	Construct 2 Nos of Bend Block	6	12-May-17	19-May-17	12-May-17	19-May-17	0%	0%	-53					
A26870	Construct Valve Chamber	10	19-May-17	01-Jun-17	19-May-17	01-Jun-17	0%	0%	-53					
A26880	Pressure Test	6	01-Jun-17	08-Jun-17	01-Jun-17	08-Jun-17	0%	0%	-53					
A26890	Back Filling to 3rd Layer Strut	2	08-Jun-17	10-Jun-17	08-Jun-17	10-Jun-17	0%	0%	-53					
A26900	Dismantle 3rd Layer Struts & Wailing	3	10-Jun-17	14-Jun-17	10-Jun-17	14-Jun-17	0%	0%	-53					
A26910	Back Filling to 2nd Layer Strut	2	14-Jun-17	16-Jun-17	14-Jun-17	16-Jun-17	0%	0%	-53					
A26920	Dismantle 2nd Layer Struts & Wailing	3	16-Jun-17	20-Jun-17	16-Jun-17	20-Jun-17	0%	0%	-53					
A26930	Back Filling to 1st Layer Struts	2	20-Jun-17	22-Jun-17	20-Jun-17	22-Jun-17	0%	0%	-53					
A26940	Dismantle 1st Layer Struts & Wailing	3	22-Jun-17	26-Jun-17	22-Jun-17	26-Jun-17	0%	0%	-53					
A26950	Back Filling to GL	2	26-Jun-17	28-Jun-17	26-Jun-17	28-Jun-17	0%	0%	-53					
Construction at CH0+0 to CH66														
Trench Excavation & Pipe works CH0+32 to CH0+66														
A26960	Drive In Sheet Piles	9	29-Apr-17	11-May-17	29-Apr-17	11-May-17	22.22%	0%	-53					

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017					
										Feb 17	Mar 18	Apr 19	May 20		
A26970	Trench Excavation	3	12-May-17	15-May-17	12-May-17	15-May-17	0%	0%	-53						
A26980	Install 1st Layer of Struts & Wailing	12	16-May-17	29-May-17	16-May-17	29-May-17	0%	0%	-53						
A26990	Trench Excavation to 2nd Layer of Struts	3	31-May-17	02-Jun-17	31-May-17	02-Jun-17	0%	0%	-53						
A27000	Install 2nd Layer of Struts & Wailing	12	03-Jun-17	16-Jun-17	03-Jun-17	16-Jun-17	0%	0%	-53						
A27010	Trench Excavation to Final Level	3	17-Jun-17	20-Jun-17	17-Jun-17	20-Jun-17	0%	0%	-53						
A27020	Pipe Laying & Associated Works	6	21-Jun-17	27-Jun-17	21-Jun-17	27-Jun-17	0%	0%	-53						
A27030	Pressure Test	6	28-Jun-17	05-Jul-17	28-Jun-17	05-Jul-17	0%	0%	-53						
A27040	Back Filling	6	06-Jul-17	12-Jul-17	06-Jul-17	12-Jul-17	0%	0%	-53						
A27050	Dismantle 2nd Layer Struts & Wailing	3	13-Jul-17	15-Jul-17	13-Jul-17	15-Jul-17	0%	0%	-53						
A27060	Back Filling to 1st Layer of Struts	6	17-Jul-17	22-Jul-17	17-Jul-17	22-Jul-17	0%	0%	-53						
A27070	Dismantle 1st Layer Struts & Wailing	3	24-Jul-17	26-Jul-17	24-Jul-17	26-Jul-17	0%	0%	-53						
Trench Excavation & Pipe works CH0+0 to CH0+32															
A27100	Drive in Sheet Piles	9	29-Apr-17	11-May-17	29-Apr-17	11-May-17	22.22%	0%	-53						
A27110	Trench @GL+5.0mPD to +4.0mPD	3	12-May-17	15-May-17	12-May-17	15-May-17	0%	0%	-53						
A27120	Install 1st Layer Strut & Wailing@ +4.5mPD	12	16-May-17	29-May-17	16-May-17	29-May-17	0%	0%	-53						
A27130	Install Legging to Opening	10	31-May-17	10-Jun-17	31-May-17	10-Jun-17	0%	0%	-53						
A27140	Trench Excavation@+4.0mPD to +1.06mPD	3	12-Jun-17	14-Jun-17	12-Jun-17	14-Jun-17	0%	0%	-53						
A27150	Pipe Laying & Associated Works	10	15-Jun-17	26-Jun-17	15-Jun-17	26-Jun-17	0%	0%	-53						
A27160	Construct Bend Blocks	10	27-Jun-17	08-Jul-17	27-Jun-17	08-Jul-17	0%	0%	-53						
A27170	Construct Wash Out Chamber	10	27-Jun-17	08-Jul-17	27-Jun-17	08-Jul-17	0%	0%	-53						
A27180	Pressure Test	6	10-Jul-17	15-Jul-17	10-Jul-17	15-Jul-17	0%	0%	-53						
A27190	Back Filling to 1st layer Struts	1	17-Jul-17	17-Jul-17	17-Jul-17	17-Jul-17	0%	0%	-53						
A27200	Dismantle 1st Layer Struts & Wailing	6	18-Jul-17	24-Jul-17	18-Jul-17	24-Jul-17	0%	0%	-53						
A27210	Back Filling to GL	1	25-Jul-17	25-Jul-17	25-Jul-17	25-Jul-17	0%	0%	-53						
DCS Box (Portion M15&M16)															
A27270	Strip Formwork	1	24-Feb-17	24-Feb-17	24-Feb-17	24-Feb-17	100%	0%	-53						
A27280	Backfill	4	27-Jun-17	30-Jun-17	27-Jun-17	30-Jun-17	0%	0%	-53						
A27290	Construct remaining wall & roof	10	17-Jul-17	27-Jul-17	17-Jul-17	27-Jul-17	0%	0%	-53						
Construction at Grade CH0+108 to CH0+158															
A27310	Install Concrete Saddle for Pipe Support	6	28-Jun-17	06-Jul-17	28-Jun-17	06-Jul-17	0%	0%	-53						
A27320	Pipe Laying & Associated Works	13	06-Jul-17	21-Jul-17	06-Jul-17	21-Jul-17	0%	0%	-53						
A27330	Pressure Test	6	21-Jul-17	28-Jul-17	21-Jul-17	28-Jul-17	0%	0%	-53						
Seawater Intake Pipe Works															
A27370	Prepare & Submit Detailed Design and Modification Works to RSS	10	24-Feb-17	07-Mar-17	24-Feb-17	07-Mar-17	100%	0%	-53						
A27380	RSS Review & Approve Detail Design and Modification Works	12	08-Mar-17	21-Mar-17	08-Mar-17	21-Mar-17	100%	0%	-53						
Construction of Seawater Intake Pipe															
A27390	Form Access Road / Traffic Diversion (Along Seawall)	6	22-Mar-17	28-Mar-17	22-Mar-17	28-Mar-17	100%	0%	-53						
A27400	Install UU Supports	12	29-Mar-17	12-Apr-17	29-Mar-17	12-Apr-17	100%	0%	-53						
A27410	Drill holes, Inject Curtain Grout & backfill	24	13-Apr-17	16-May-17	13-Apr-17	16-May-17	54.17%	0%	-53						
A27420	Excavate from G/F (+4.5mPD) to +2.0mPD	3	17-May-17	19-May-17	17-May-17	19-May-17	0%	0%	-53						
A27430	Install UU Support	12	20-May-17	03-Jun-17	20-May-17	03-Jun-17	0%	0%	-53						
A27440	Excavate from +2.0mPD to +0.3mPD	3	05-Jun-17	07-Jun-17	05-Jun-17	07-Jun-17	0%	0%	-53						
A27450	Lay DN600 Seawater Intake Pipes x 2	10	08-Jun-17	19-Jun-17	08-Jun-17	19-Jun-17	0%	0%	-53						
A27460	Lay DN100 Chlorination Pipe	10	08-Jun-17	19-Jun-17	08-Jun-17	19-Jun-17	0%	0%	-53						
A27470	Lay DN28 Cleansing Pipe	10	08-Jun-17	19-Jun-17	08-Jun-17	19-Jun-17	0%	0%	-53						
A27480	Construct Thrust Blocks	10	20-Jun-17	30-Jun-17	20-Jun-17	30-Jun-17	0%	0%	-53						
A27490	Pressure Testing and Inspection	6	03-Jul-17	08-Jul-17	03-Jul-17	08-Jul-17	0%	0%	-53						
A27500	Backfill to +2.0mPD	2	10-Jul-17	11-Jul-17	10-Jul-17	11-Jul-17	0%	0%	-53						
A27510	Remove Underground Utilities Support & Backfill up to +2.3mPD)	6	12-Jul-17	18-Jul-17	12-Jul-17	18-Jul-17	0%	0%	-53						
A27520	Complete Pipeworks & Traffic Diversion	0	18-Jul-17	18-Jul-17	18-Jul-17	18-Jul-17	0%	0%	-53						
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	24-Feb-17		24-Feb-17*		100%	0%	-20						
A27800	Excavate Trial Trench for UU within Austin Road West Area	12	24-Feb-17	09-Mar-17	24-Feb-17	09-Mar-17	100%	0%	-20						
A27810	Demolished Existing Planter	10	10-Mar-17	10-Mar-17	10-Mar-17	10-Mar-17	80%	0%	-20						
A27820	Excavate & Install Lateral Support	10	22-Mar-17	01-Apr-17	22-Mar-17	01-Apr-17	0%	0%	-20						
A27830	Construct M+ Terminal Manhole F1.3A	6	03-Apr-17	10-Apr-17	03-Apr-17	10-Apr-17	0%	0%	-20						
A27840	Lay down DN375 F1.3B to F1.3A to F1.2	3	11-Apr-17	13-Apr-17	11-Apr-17	13-Apr-17	0%	0%	-20						
A27850	Pressure Test	3	18-Apr-17	20-Apr-17	18-Apr-17	20-Apr-17	0%	0%	-20						
A27860	Back fill & Reinstate pavement / Reinstate Planter	9	21-Apr-17	02-May-17	21-Apr-17	02-May-17	0%	0%	-20						
A27870	HCC connect DN375 to F1.2	1	04-May-17	04-May-17	04-May-17	04-May-17	0%	0%	-20						
Sewerage adjacent to CLP Station (Portion L19)															
A27880	F2 (Gammon's) allow access to HCC at Portion L06	0	24-Feb-17		24-Feb-17*		100%	0%	-20						
A27890	Excavate Trench and install shoring for sewer drain along CLP Station	14	24-Feb-17	11-Mar-17	24-Feb-17	11-Mar-17	100%	0%	-20						
A27900	Construct manholes F1.3C and F1.3B	10	13-Mar-17	23-Mar-17	13-Mar-17	23-Mar-17	60%	0%	-20						
A27910	Lay down DN375 from F1.3C to F1.3B (approx. 39m)	7	24-Mar-17	31-Mar-17	24-Mar-17	31-Mar-17	0%	0%	-20						
A27920	Pressure Test	3	01-Apr-17	05-Apr-17	01-Apr-17	05-Apr-17	0%	0%	-20						
A27930	Backfill to adjacent ground level	8	06-Apr-17	18-Apr-17	06-Apr-17	18-Apr-17	0%	0%	-20						
Sewerage at Portion M01, Gridline A / 3-14															
A27940	HCC grant access to Park Contractor for SM100 construction	0	10-May-17		10-May-17		0%	0%	-31						
MH F2.1B to MH F2.1A															
A27960	Completion of G/F Slab, Wall & Column at Portion A	0		28-Feb-17		28-Feb-17	100%	0%	-33						
A27970	Manhole & Trench Excavation for Sewerage Pipe between MH F2.1B to F2.1A	2	01-Mar-17	02-Mar-17	01-Mar-17	02-Mar-17	100%	0%	-33						
A27980	Construct Manhole F2.1A	6	03-Mar-17	09-Mar-17	03-Mar-17	09-Mar-17	100%	0%	-33						
A27990	Lay Sewerage Pipe DN300 between MH F2.1A to F2.1B (Approx. 25m)	4	03-Mar-17	07-Mar-17	03-Mar-17	07-Mar-17	100%	0%	-33						
A28000	Lay & Connect Sewerage Pipe incoming from M+ to MH F2.1A	2	08-Mar-17	09-Mar-17	08-Mar-17	09-Mar-17	100%	0%	-33						
A28010	Pressure Test	3	10-Mar-17	13-Mar-17	10-Mar-17	13-Mar-17	100%	0%	-33						
A28020	Backfill to ground level	4	14-Mar-17	17-Mar-17	14-Mar-17	17-Mar-17	100%	0%	-33						
MH F2.1C to MH F2.1B															

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
A28030	Manhole & Trench Excavation for Sewerage Pipe between MH F2.1C to F2.1B	2	10-Mar-17	11-Mar-17	10-Mar-17	11-Mar-17	100%	0%	-33					
A28040	Construct Manhole F2.1B & F2.1C	16	13-Mar-17	30-Mar-17	13-Mar-17	30-Mar-17	100%	0%	-33	A28040				
A28050	Lay Sewerage Pipe DN300 between MH F2.1C to F2.1B (Approx.40m)	7	13-Mar-17	20-Mar-17	13-Mar-17	20-Mar-17	100%	0%	-33	A28050				
A28060	Pressure test	3	31-Mar-17	03-Apr-17	31-Mar-17	03-Apr-17	100%	0%	-33					
A28070	Backfill to ground level	5	05-Apr-17	10-Apr-17	05-Apr-17	10-Apr-17	0%	0%	-33					
MH F2.1D to MH F2.1C														
A28080	Completion of G/F Slab, Wall & Column at Portion E	0		10-Mar-17	10-Mar-17	10-Mar-17	100%	0%	-14					
A28090	Manhole & Trench Excavation for Sewerage Pipe between MH F2.1D to F2.1C	3	31-Mar-17	03-Apr-17	31-Mar-17	03-Apr-17	33.33%	0%	-31	A28090				
A28100	Construct Manhole F2.1D	10	05-Apr-17	19-Apr-17	05-Apr-17	19-Apr-17	0%	0%	-31					
A28110	Lay Sewerage Pipe DN375 between MH F2.1D to F2.1C (Approx. 21m)	4	05-Apr-17	08-Apr-17	05-Apr-17	08-Apr-17	0%	0%	-31					
A28120	Lay & Connect Sewerage Pipe incoming from M+ to MH F2.1C	2	10-Apr-17	11-Apr-17	10-Apr-17	11-Apr-17	0%	0%	-31					
A28130	Pressure Test	3	20-Apr-17	22-Apr-17	20-Apr-17	22-Apr-17	0%	0%	-31					
A28140	Backfill to ground level	3	24-Apr-17	26-Apr-17	24-Apr-17	26-Apr-17	0%	0%	-31					
MH F2.1E to MH F2.1D														
A28150	Manhole & Trench Excavation for Sewerage Pipe between MH F2.1E to F2.1D	3	20-Apr-17	22-Apr-17	20-Apr-17	22-Apr-17	0%	0%	-31					
A28160	Construct Manholes F2.1E	6	24-Apr-17	29-Apr-17	24-Apr-17	29-Apr-17	0%	0%	-31					
A28170	Lay Sewerage Pipe between MH F2.1E to F2.1D (DN375mm) (Approx. 25m)	6	24-Apr-17	29-Apr-17	24-Apr-17	29-Apr-17	0%	0%	-31					
A28180	Pressure Test	3	02-May-17	02-May-17	02-May-17	02-May-17	0%	0%	-31					
A28190	Backfill to ground level	3	06-May-17	09-May-17	06-May-17	09-May-17	0%	0%	-31					
Sewerage at Portion M05 & M27														
A28200	Complete Sewerage Pipe & MH SM23, SM22B, SM22A inside SPS	0		24-Feb-17	24-Feb-17	24-Feb-17	100%	0%	-53					
A28230	Complete B1 Column, Wall & Slab at ICP Portion A20	0		18-Mar-17	18-Mar-17	18-Mar-17	0%	0%	72					
A28210	Complete B1 Column, Wall & Slab at ICP Portion A18	0		24-Mar-17	24-Mar-17	24-Mar-17	0%	0%	42					
A28220	Complete B1 Column, Wall & Slab at ICP Portion A19	0		01-Apr-17	01-Apr-17	01-Apr-17	0%	0%	62					
A28240	Complete B1 Column, Wall & Slab at ICP Portion A21	0		01-Apr-17	01-Apr-17	01-Apr-17	0%	0%	62					
A28250	Complete SPS Structure	0		13-Apr-17	13-Apr-17	13-Apr-17	0%	0%	-23					
MH SM22 to SM21T (DN450)														
A28260	Excavate & Lateral Support for Manhole SM22 & SM21T	3	13-Apr-17	20-Apr-17	13-Apr-17	20-Apr-17	0%	0%	-23					
A28270	Construct MH SM22 & SM21T	18	20-Apr-17	13-May-17	20-Apr-17	13-May-17	0%	0%	-23					
A28280	Trench Excavation & Lateral Support from SM22 to SM21T	1	13-May-17	15-May-17	13-May-17	15-May-17	0%	0%	-23					
A28290	Lay Sewerage Pipe DN450 between SM22 to SM21T (Approx. 6m)	1	15-May-17	16-May-17	15-May-17	16-May-17	0%	0%	-23					
A28300	Connect Pipe from SPS to MH SM22	1	16-May-17	17-May-17	16-May-17	17-May-17	0%	0%	-23					
A28310	Pressure Test	3	17-May-17	20-May-17	17-May-17	20-May-17	0%	0%	-23					
A28320	Backfill to formation level	2	20-May-17	23-May-17	20-May-17	23-May-17	0%	0%	-23					
MH SM21T to SM21														
A28330	Excavate & Lateral Support for Manhole SM21	2	23-May-17	25-May-17	23-May-17	25-May-17	0%	0%	25					
MH SM21A to Interface MH SM13														
Submissions														
A28440	Prepare & Submit ELS Design to RSS for Approval	6	24-Feb-17	02-Mar-17	24-Feb-17	02-Mar-17	100%	0%	-53					
A28450	RSS Review & Approve ELS Design	12	03-Mar-17	16-Mar-17	03-Mar-17	16-Mar-17	100%	0%	-53					
Construction														
A28460	Drive In Sheetpiles	12	03-Apr-17	20-Apr-17	03-Apr-17	20-Apr-17	0%	0%	62					
A28470	Trench Excavation & Lateral Support from SM21A to SM13	18	21-Apr-17	13-May-17	21-Apr-17	13-May-17	0%	0%	62					
A28480	Lay Sewerage Pipe DN450 between SM21A to SM13 (Approx. 52m)	9	15-May-17	24-May-17	15-May-17	24-May-17	0%	0%	62					
Rising Main														
SPS Pump Station														
ABF518	Lay 2 Nos. DN200 Rising Main	8	13-May-17	22-May-17	13-May-17	22-May-17	0%	0%	-22					
Storm Drainage														
Storm Drain DN750 along Gridline A/3-11 (MH S2.4 to S2.6)														
A28520	Excavate to formation level	3	18-Mar-17	21-Mar-17	18-Mar-17	21-Mar-17	100%	0%	-33					
A28530	Construct Manhole S2.4 & S2.6	12	22-Mar-17	05-Apr-17	22-Mar-17	05-Apr-17	91.67%	0%	-33	A28530				
A28540	Lay DN700 pipe from Manholes S2.4 to S2.6 (Approx. 78m)	14	06-Apr-17	25-Apr-17	06-Apr-17	25-Apr-17	0%	0%	-33					
A28550	Pressure Test	3	26-Apr-17	28-Apr-17	26-Apr-17	28-Apr-17	0%	0%	-33					
A28560	Backfill to existing ground level	5	29-Apr-17	06-May-17	29-Apr-17	06-May-17	0%	0%	-33					
Storm Drain DN1050 along Gridline A/11-14 (MH S2.6 to S2.6A to S2.7 to S2.8)														
A28570	Excavate to formation level & install shoring	6	26-Apr-17	04-May-17	26-Apr-17	04-May-17	0%	0%	-33					
A28580	Construct Manhole S2.6a, S2.7 & S2.8	12	05-May-17	18-May-17	05-May-17	18-May-17	0%	0%	-33					
A28590	Lay DN1050 pipe from Manholes S2.6 to S2.6a to S2.7 to S2.8 (Approx. 45m)	7	19-May-17	26-May-17	19-May-17	26-May-17	0%	0%	-33					
A28600	Pressure Test	3	27-May-17	31-May-17	27-May-17	31-May-17	0%	0%	-33					
A28610	Backfill to existing ground level	5	01-Jun-17	06-Jun-17	01-Jun-17	06-Jun-17	0%	0%	-33					
Storm Drain DN1050 along Gridline A/14 (MH S2.8 to S2.9a to SE2.7)														
A28620	Excavate Trial Trench for existing underground utilities	12	27-May-17	10-Jun-17	27-May-17	10-Jun-17	0%	0%	-33					
A28630	Excavate to formation level & install shoring	6	12-Jun-17	17-Jun-17	12-Jun-17	17-Jun-17	0%	0%	-33					
A28640	Construct Manhole S2.9a & SE2.7	12	19-Jun-17	03-Jul-17	19-Jun-17	03-Jul-17	0%	0%	-33					
Storm Drain DN600 along Gridline B-E/14 (MH S2.10 to S2.9c)														
A28970	Excavate Trial Trench	3	09-May-17	11-May-17	09-May-17	11-May-17	0%	0%	0					
A28980	Excavate to Formation Level	3	12-May-17	15-May-17	12-May-17	15-May-17	0%	0%	0					
A28990	Lay DN600 Pipe from MHS2.10 to S2.9c (Approx 30m)	3	18-May-17	18-May-17	18-May-17	18-May-17	0%	0%	0					
A29000	Pressure Test	3	19-May-17	22-May-17	19-May-17	22-May-17	0%	0%	0					
A29010	Backfill to existing ground level	3	23-May-17	25-May-17	23-May-17	25-May-17	0%	0%	0					
Storm Drain DN400 suspended along Gridline J/1'-M/1														
Storm Drain at Portion M12														
A29080	External Wall @ gridline J/1'-6' (including Wall Finish) complete	0		21-Apr-17	21-Apr-17	21-Apr-17	0%	0%	-31					
A29090	Erect Working Platform	12	21-Apr-17	08-May-17	21-Apr-17	08-May-17	0%	0%	-31					
A29100	Install Brackets for Suspension Pipe	10	08-May-17	19-May-17	08-May-17	19-May-17	0%	0%	-31					
A29110	Install suspended vertical Rain Water Outlet DN150 - 4 nos	2	19-May-17	22-May-17	19-May-17	22-May-17	0%	0%	-31					
A29130	Lay horizontal suspended DN400 pipe (Approx. 120m)	12	19-May-17	03-Jun-17	19-May-17	03-Jun-17	0%	0%	-31					
A29120	Install suspended vertical Drainage DN100 - 5 nos	5	22-May-17	27-May-17	22-May-17	27-May-17	0%	0%	-31					
A29140	Pressure Test	3	03-Jun-17	07-Jun-17	03-Jun-17	07-Jun-17	0%	0%	-31					
A29150	Complete suspended Storm Drain at Portion M12	0		07-Jun-17	07-Jun-17	07-Jun-17	0%	0%	-31					
Storm Drain DN250 suspended along Gridline M/4-12														

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017					
										Feb 17	Mar 18	Apr 19	May 20		
A30040	Complete SPS Structure & Give Access to Park Contractor	0		13-Apr-17	13-Apr-17	13-Apr-17	0%	0%	-23						
A30050	Excavation Across Main Road From SPS Site to PIW Main pipes	8	13-Apr-17	26-Apr-17	13-Apr-17	26-Apr-17	0%	0%	-23						
A30060	Construct Valve Pit	14	26-Apr-17	15-May-17	26-Apr-17	15-May-17	0%	0%	-23						
A30070	Install Pipeworks (FW, CW & FS Water Main)	16	09-May-17	27-May-17	09-May-17	27-May-17	0%	0%	-23						
A30080	Pressure Test	3	27-May-17	01-Jun-17	27-May-17	01-Jun-17	0%	0%	-23						
A30090	Swabbing Test	1	01-Jun-17	02-Jun-17	01-Jun-17	02-Jun-17	0%	0%	-23						
A30110	Lab Test	12	02-Jun-17	16-Jun-17	02-Jun-17	16-Jun-17	0%	0%	-23						
A30120	Watermain Final Connection	2	16-Jun-17	19-Jun-17	16-Jun-17	19-Jun-17	0%	0%	-23						
ICP External - Grd Lvl - External Watermain Connection to PIW															
A30140	Complete ICP Structure	0	16-May-17		16-May-17		0%	0%	37						
Power															
Power Cable 11kV at Footpath adjacent to Entrance Portal (Interface with PIW)															
A30260	Excavate trench in footway for the 11kV direct buried cables	15	24-Feb-17	13-Mar-17	24-Feb-17*	13-Mar-17	100%	0%	-20						
A30270	Lay Lead-in Cable (by CLP) & Inspection	30	14-Mar-17	12-Apr-17	14-Mar-17	12-Apr-17	20%	0%	-24						
A30280	Backfilling footway to adjacent ground level	3	13-Apr-17	19-Apr-17	13-Apr-17	19-Apr-17	0%	0%	-20						
Power Cable 11kV at Gridline A / 1-3															
A30290	Complete Riser Room Structure at Adjacent to Transformer Room A	0	18-Mar-17		18-Mar-17		100%	0%	-30						
A30300	Construct 2600mm x 1500mm cable trench & Install Cable Ducts	5	18-Mar-17	24-Mar-17	18-Mar-17	24-Mar-17	100%	0%	-30						
A30310	Lay Lead-in Cable (by CLP) & connect to district-wide system	30	24-Mar-17	23-Apr-17	24-Mar-17	23-Apr-17	20%	0%	-35						
A30320	Backfilling	3	24-Apr-17	26-Apr-17	24-Apr-17	26-Apr-17	0%	0%	-26						
Power Cable 11kV at Gridline A / 3-14															
Construction at Drawpit E1 to Drawpit E2															
A30330	Construct Drawpits E1 & E2	8	08-May-17	16-May-17	08-May-17	16-May-17	0%	0%	-33						
A30340	Construct Cable Tunnel from Drawpits E1 to E2 & Install Cable Ducts (Approx. 5	19	17-May-17	08-Jun-17	17-May-17	08-Jun-17	0%	0%	-33						
Construction at Drawpit E2 to E3 to E4															
A30350	Construct Drawpit E3 & E4	8	09-Jun-17	17-Jun-17	09-Jun-17	17-Jun-17	0%	0%	-33						
A30360	Construct Cable Tunnel from Drawpits E2 to E4 & Install Cable Ducts (Approx 5	8	19-Jun-17	27-Jun-17	19-Jun-17	27-Jun-17	0%	0%	-33						
Construction at Drawpit E4 to E5															
A30370	Construct Drawpit E5	4	28-Jun-17	03-Jul-17	28-Jun-17	03-Jul-17	0%	0%	-33						
Power Cable 11kV at Gridline A-C / 14															
A30400	Construct Cable Trench & Install Cable Ducts (Approx 43m)	8	09-May-17	17-May-17	09-May-17*	17-May-17	0%	0%	0						
A30410	Tests & inspection	1	18-May-17	18-May-17	18-May-17	18-May-17	0%	0%	0						
SPS External Power Cable Trench For CLP Lead In															
A30560	Excavate trench	3	23-May-17	26-May-17	23-May-17	26-May-17	0%	0%	-23						
A30570	Install 6 Nos of DN200 Cable Duct	3	26-May-17	31-May-17	26-May-17	31-May-17	0%	0%	-23						
A30580	Lay power Lead-in for SPS & Inspection (by CLP)	15	31-May-17	15-Jun-17	31-May-17	15-Jun-17	0%	0%	-31						
A30590	Backfill & Reinstate Pavement	3	15-Jun-17	19-Jun-17	15-Jun-17	19-Jun-17	0%	0%	-26						
Gas															
Gas Main at Portion M01															
Gas Main RDE connection along Gridline E' - 1' / 1'															
A30700	Trial Trench for Underground Utilities	10	18-Mar-17	29-Mar-17	18-Mar-17	29-Mar-17	100%	0%	-33						
A30710	Install support for existing Underground Utilities	6	30-Mar-17	06-Apr-17	30-Mar-17	06-Apr-17	66.67%	0%	-33						
A30720	Excavate Trench for Main Gas 100mm and install shoring	8	07-Apr-17	19-Apr-17	07-Apr-17	19-Apr-17	0%	0%	-33						
A30730	Lay down Main Gas 100mm (by Towngas Specialist Contractor)	14	20-Apr-17	08-May-17	20-Apr-17	08-May-17	0%	0%	-33						
A30740	Backfill Trench to Ground Level	4	09-May-17	12-May-17	09-May-17	12-May-17	0%	0%	-33						
A30750	Testing and Inspection	5	13-May-17	18-May-17	13-May-17	18-May-17	0%	0%	-33						
Gas Main M+ along Gridline 2-9/A															
A30760	Excavate Trench for Main Gas and install shoring	12	09-Jun-17	22-Jun-17	09-Jun-17	22-Jun-17	0%	0%	-33						
A30770	Construct and Lay down 350x350mm concrete pipe bench	12	16-Jun-17	29-Jun-17	16-Jun-17	29-Jun-17	0%	0%	-33						
A30780	Lay down and install DN100 gas main (by Towngas Specialist Contractor)	28	30-Jun-17	02-Aug-17	30-Jun-17	02-Aug-17	0%	0%	-33						
Telecom/ICT/FTNS															
Telecom @ Gridline A-C/14															
A30850	Completion for Construction of Power Cable Trench/Tunnel	0		17-May-17		17-May-17	0%	0%	0						
A30860	Lay 28Nos of DN100 Ducting @ A-C/14 (Approx. 30m)	2	18-May-17	19-May-17	18-May-17	19-May-17	0%	0%	0						
A30870	Construct 1# 28 DN100 FTNS drawpit @ gridline A-C/14	4	20-May-17	24-May-17	20-May-17	24-May-17	0%	0%	0						
SPS FTNS Lead In															
A31560	Lay FTNS Ducting (Approx 19m)	3	26-May-17	31-May-17	26-May-17	31-May-17	0%	0%	-23						
A31620	Construct 2# 1DN100 FTNS Drawpit	10	31-May-17	12-Jun-17	31-May-17	12-Jun-17	0%	0%	-23						
A32070	Notify Telecom & Request Installation of Cables	0		12-Jun-17		12-Jun-17	0%	0%	-23						
A32075	Installation of FTNS Cables (by Telecom)	8	12-Jun-17	21-Jun-17	12-Jun-17	21-Jun-17	0%	0%	-23						
Backfilling and EVA															
A31040	Completion of ICP Structure	0		18-May-17		18-May-17	0%	0%	36						
Backfilling															
A31050	Backfilling to +6.50mPD	12	18-May-17	02-Jun-17	18-May-17	02-Jun-17	0%	0%	36						
Fuel Tank															
A31200	Prepare & Submit Method Statement for Fuel Tank Construction to RSS for App	18	20-Apr-17	12-May-17	20-Apr-17	12-May-17	0%	0%	-28						
A31210	RSS Review & Approve Method Statement for Fuel Tank Construction	12	13-May-17	26-May-17	13-May-17	26-May-17	0%	0%	-28						
A31190	Complete GF Slab, Columns & Walls at Portion GFT6	0		26-May-17		26-May-17	0%	0%	-28						
A31220	Remove Hoarding fixed to sheetpile at Portion M04	5	27-May-17	02-Jun-17	27-May-17	02-Jun-17	0%	0%	-28						
A31230	Install Hoarding on road-side edge of footway (500mm clearance from carriagew	12	03-Jun-17	16-Jun-17	03-Jun-17	16-Jun-17	0%	0%	-28						
A31240	Cut down sheet pile to underside of footway pavement	18	17-Jun-17	08-Jul-17	17-Jun-17	08-Jul-17	0%	0%	-28						
ABWF & Building Services															
RC Structure Completion & ABWF Access Dates															
B2F-B1F Access															
Sector C3 Access															
A11380	Zone B1S1 - Complete B2F @ GL 2-3/A	0		17-Mar-17		17-Mar-17	100%	0%	-54						
A11390	Zone B1S2 - Complete B2F @ GL 1-2/A	0		03-Apr-17		03-Apr-17	0%	0%	-25						
Sector A3 Access															
A11210	Zone E - Complete B2F @ GL 8-11/A-C	0		24-Feb-17		09-Jan-17 A	100%	100%	24						
Sector B2 Access															
A11280	Zone H - Complete B2F @ GL 11-14/K-M	0		24-Feb-17		24-Feb-17*	100%	0%	-69						
Sector D3 Access															

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
A11330	Zone A - Complete B2F @ GL 1-5/F-K	0		27-Mar-17		19-Jan-17 A	0%	100%	98					Zone A - Complete B2F @ GL 1-5/F-K
Sector F1 Access														
A11410	Zone B1R4 - Complete B2F @ GL 6'-7/A-C	0		31-Mar-17		31-Mar-17	0%	0%	-25					Zone B1R4 - Complete B2F @ GL 6'-7/A-C
A11370	Zone B1S2 - Complete B2F @ GL 5'-1/A	0		03-Apr-17		03-Apr-17	0%	0%	-25					Zone B1S2 - Complete B2F @ GL 5'-1/A
A11420	Zone B1T6 - Complete B2F @ GL 4'-6/A-C	0		02-May-17		02-May-17	0%	0%	-38					Zone B1T6 - Complete B2F @ GL 4'-6/A-C
Sector F2 Access														
A11450	Zone B1R3 - Complete B2F @ GL 6'-7/A'-C'	0		13-Mar-17		13-Mar-17	100%	0%	-21					Zone B1R3 - Complete B2F @ GL 6'-7/A'-C'
A11460	Zone B1T4 - Complete B2F @ GL 4'-6/B'-D'	0		14-Mar-17		14-Mar-17	100%	0%	-32					Zone B1T4 - Complete B2F @ GL 4'-6/B'-D'
A11440	Zone B1T5 - Complete B2F @ GL 4'-6/A'-C'	0		21-Apr-17		21-Apr-17	0%	0%	-35					Zone B1T5 - Complete B2F @ GL 4'-6/A'-C'
Sector F3 Access (Entrance Portal)														
A11510	Zone B1S1 - Complete B2F @ GL 2-3/A	0		17-Mar-17		17-Mar-17	100%	0%	-54					Zone B1S1 - Complete B2F @ GL 2-3/A
A11500	Zone B1S2 - Complete B2F @ GL 5'-1/A	0		03-Apr-17		03-Apr-17	0%	0%	-25					Zone B1S2 - Complete B2F @ GL 5'-1/A
Sector F4 Access														
A11490	Zone B1T4 - Complete B2F @ GL 2'-5/B'-D'	0		14-Mar-17		14-Mar-17	100%	0%	-32					Zone B1T4 - Complete B2F @ GL 2'-5/B'-D'
A11470	Zone B1T5 - Complete B2F @ GL 3'-4/A'-C'	0		21-Apr-17		21-Apr-17	0%	0%	-35					Zone B1T5 - Complete B2F @ GL 3'-4/A'-C'
Sector G1 Access														
A11540	Zone B1R2 - Complete B2F @ GL 6'-1/G'-H'	0		13-Mar-17		13-Mar-17	100%	0%	-33					Zone B1R2 - Complete B2F @ GL 6'-1/G'-H'
A11550	Zone B1U4 - Complete B2F @ GL 4'-6/F'-H'	0		15-Mar-17		15-Mar-17	100%	0%	-30					Zone B1U4 - Complete B2F @ GL 4'-6/F'-H'
A11570	Zone B1T2 - Complete B2F @ GL 4'-5/D'-F'	0		16-Mar-17		16-Mar-17	100%	0%	-56					Zone B1T2 - Complete B2F @ GL 4'-5/D'-F'
A11520	Zone B1T3 - Complete B2F @ GL 5'-6/D'-G'	0		02-May-17		02-May-17	0%	0%	-38					Zone B1T3 - Complete B2F @ GL 5'-6/D'-G'
Sector G2 Access														
A11690	Zone B1R2 - Complete B2F @ GL 6'-1/G'-I'	0		13-Mar-17		13-Mar-17	100%	0%	-33					Zone B1R2 - Complete B2F @ GL 6'-1/G'-I'
A11670	Zone B1R1 - Complete B2F @ GL 6'-1/I'-J'	0		14-Mar-17		14-Mar-17	100%	0%	-35					Zone B1R1 - Complete B2F @ GL 6'-1/I'-J'
A11700	Zone B1U4 - Complete B2F @ GL 4'-6/H'-I'	0		15-Mar-17		15-Mar-17	100%	0%	-30					Zone B1U4 - Complete B2F @ GL 4'-6/H'-I'
A11680	Zone B1U2 - Complete B2F @ GL 4'-6/I'-J'	0		20-Mar-17		20-Mar-17	100%	0%	-35					Zone B1U2 - Complete B2F @ GL 4'-6/I'-J'
Sector G3 Access														
A11610	Zone B1U4 - Complete B2F @ GL 3'-5/F'-H'	0		15-Mar-17		15-Mar-17	100%	0%	-30					Zone B1U4 - Complete B2F @ GL 3'-5/F'-H'
A11600	Zone B1U3 - Complete B2F @ GL 1'-3/F'-H'	0		16-Mar-17		16-Mar-17	100%	0%	-38					Zone B1U3 - Complete B2F @ GL 1'-3/F'-H'
A11580	Zone B1T1 - Complete B2F @ GL 1'-3/D'-F'	0		16-Mar-17		16-Mar-17	100%	0%	-35					Zone B1T1 - Complete B2F @ GL 1'-3/D'-F'
A11590	Zone B1T2 - Complete B2F @ GL 3'-5/D'-F'	0		16-Mar-17		16-Mar-17	100%	0%	-56					Zone B1T2 - Complete B2F @ GL 3'-5/D'-F'
Sector G4 Access														
A11660	Zone B1U4 - Complete B2F @ GL 3'-5/H'-J'	0		15-Mar-17		15-Mar-17	100%	0%	-30					Zone B1U4 - Complete B2F @ GL 3'-5/H'-J'
A11630	Zone B1U1 - Complete B2F @ GL 1'-4/H'-J'	0		16-Mar-17		16-Mar-17	100%	0%	-42					Zone B1U1 - Complete B2F @ GL 1'-4/H'-J'
A11650	Zone B1U3 - Complete B2F @ GL 1'-3/H'-J'	0		16-Mar-17		16-Mar-17	100%	0%	-38					Zone B1U3 - Complete B2F @ GL 1'-3/H'-J'
A11640	Zone B1U2 - Complete B2F @ GL 4'/I'-J'	0		20-Mar-17		20-Mar-17	100%	0%	-35					Zone B1U2 - Complete B2F @ GL 4'/I'-J'
B1F-GF Access														
Sector C1 Access														
A11920	Zone A3 - Complete B1F @ GL 5-7/A-C	0		24-Feb-17		30-Dec-16 A	0%	100%	57					Zone A3 - Complete B1F @ GL 5-7/A-C
A11930	Zone M - Complete B1F @ GL 7-8/A-C	0		24-Feb-17		21-Jan-17 A	100%	100%	14					Zone M - Complete B1F @ GL 7-8/A-C
A12390	Zone A2 - Complete B1F @ GL 4-6/A-C	0		04-Mar-17		04-Mar-17	0%	0%	-8					Zone A2 - Complete B1F @ GL 4-6/A-C
A11940	Zone E - Complete B1F @ GL 8-9/A-C	0		17-Mar-17		17-Mar-17	100%	0%	-34					Zone E - Complete B1F @ GL 8-9/A-C
Sector C2 Access														
A11960	Zone M - Complete B1F @ GL 7-8/C-D	0		24-Feb-17		24-Feb-17	100%	0%	-20					Zone M - Complete B1F @ GL 7-8/C-D
A12400	Zone A3 - Complete B1F @ GL 5-7/C-E	0		24-Feb-17		24-Feb-17	0%	0%	1					Zone A3 - Complete B1F @ GL 5-7/C-E
A11950	Zone A2 - Complete B1F @ GL 4-5/C-E	0		04-Mar-17		04-Mar-17	0%	0%	-8					Zone A2 - Complete B1F @ GL 4-5/C-E
Sector C3 Access														
A12420	Zone A2 - Complete B1F @ GL 4-5/A-C	0		04-Mar-17		04-Mar-17	0%	0%	-8					Zone A2 - Complete B1F @ GL 4-5/A-C
A11990	Zone A1 - Complete B1F @ GL 2-4/A-C	0		07-Apr-17		07-Apr-17	0%	0%	-42					Zone A1 - Complete B1F @ GL 2-4/A-C
Sector C4 Access														
A12470	Zone A2 - Complete B1F @ GL 4-5/C-E	0		04-Mar-17		04-Mar-17	0%	0%	-8					Zone A2 - Complete B1F @ GL 4-5/C-E
A12010	Zone A4 - Complete B1F @ GL 2-4/E-H	0		27-Mar-17		27-Mar-17	0%	0%	31					Zone A4 - Complete B1F @ GL 2-4/E-H
A12460	Zone A1 - Complete B1F @ GL 2-4/C-E	0		07-Apr-17		07-Apr-17	0%	0%	-42					Zone A1 - Complete B1F @ GL 2-4/C-E
Sector A3 Access														
A12020	Zone E - Complete B1F @ GL 8-11/A-C	0		17-Mar-17		17-Mar-17	100%	0%	-34					Zone E - Complete B1F @ GL 8-11/A-C
Sector D3 Access														
A12110	Zone A4 - Complete B1F @ GL 2-4/F-H	0		27-Mar-17		27-Mar-17	0%	0%	31					Zone A4 - Complete B1F @ GL 2-4/F-H
Sector F1 Access														
A12150	Zone GFT6 - Complete B1F @ GL 4'-6/A-A'	0		10-Jun-17		10-Jun-17	0%	0%	-33					Zone GFT6 - Complete B1F @ GL 4'-6/A-A'
Sector F2 Access														
A12190	Zone GFT4 - Complete B1F @ GL 4'-6/B'-D'	0		21-Apr-17		21-Apr-17	0%	0%	-48					Zone GFT4 - Complete B1F @ GL 4'-6/B'-D'
A12170	Zone GFT5 - Complete B1F @ GL 4'-6/A'-B'	0		27-Apr-17		27-Apr-17	0%	0%	-33					Zone GFT5 - Complete B1F @ GL 4'-6/A'-B'
Sector F4 Access														
A12220	Zone GFT5 - Complete B1F @ GL 3'-5/A'-B'	0		27-Apr-17		27-Apr-17	0%	0%	-33					Zone GFT5 - Complete B1F @ GL 3'-5/A'-B'
A12230	Zone GFT4 - Complete B1F @ GL 2'-6/B'-D'	0		15-May-17		15-May-17	0%	0%	-47					Zone GFT4 - Complete B1F @ GL 2'-6/B'-D'
Sector G1 Access														
A12240	Zone GFT3 - Complete B1F @ GL 5'-6/D'-G'	0		01-Apr-17		01-Apr-17	0%	0%	-35					Zone GFT3 - Complete B1F @ GL 5'-6/D'-G'
A12250	Zone GFT2 - Complete B1F @ GL 4'-5/D'-F'	0		05-Apr-17		05-Apr-17	0%	0%	-18					Zone GFT2 - Complete B1F @ GL 4'-5/D'-F'
A12270	Zone GFU4 - Complete B1F @ GL 4'-6/F'-H'	0		05-May-17		05-May-17	0%	0%	-34					Zone GFU4 - Complete B1F @ GL 4'-6/F'-H'
A12260	Zone GFR2 - Complete B1F @ GL 5'-1/F'-I'	0		02-Jun-17		02-Jun-17	0%	0%	-33					Zone GFR2 - Complete B1F @ GL 5'-1/F'-I'
A12660	Zone GFR3 - Complete B1F @ GL 6'-7/E'-F'	0		22-Jun-17		22-Jun-17	0%	0%	-34					Zone GFR3 - Complete B1F @ GL 6'-7/E'-F'
A12670	Zone GFR4 - Complete B1F @ GL 7'-1/E'-F'	0		22-Jun-17		22-Jun-17	0%	0%	-34					Zone GFR4 - Complete B1F @ GL 7'-1/E'-F'
Sector G2 Access														
A12290	Zone GFU4 - Complete B1F @ GL 4'-5/H'-I'	0		05-May-17		05-May-17	0%	0%	-34					Zone GFU4 - Complete B1F @ GL 4'-5/H'-I'
A12300	Zone GFR1 - Complete B1F @ GL 5'-1/I'-J'	0		10-May-17		10-May-17	0%	0%	-34					Zone GFR1 - Complete B1F @ GL 5'-1/I'-J'
A12280	Zone GFU2 - Complete B1F @ GL 4'-6/I'-J'	0		12-May-17		12-May-17	0%	0%	-59					Zone GFU2 - Complete B1F @ GL 4'-6/I'-J'
A12310	Zone GFR2 - Complete B1F @ GL 6'-1/F'-I'	0		02-Jun-17		02-Jun-17	0%	0%	-33					Zone GFR2 - Complete B1F @ GL 6'-1/F'-I'
Sector G3 Access														
A12330	Zone GFT2 - Complete B1F @ GL 3'-5/D'-F'	0		05-Apr-17		05-Apr-17	0%	0%	-18					Zone GFT2 - Complete B1F @ GL 3'-5/D'-F'
A12340	Zone GFU3 - Complete B1F @ GL 1'-3/F'-H'	0		28-Apr-17		28-Apr-17	0%	0%	-34					Zone GFU3 - Complete B1F @ GL 1'-3/F'-H'
A12320	Zone GFT1 - Complete B1F @ GL 1'-3/D'-F'	0		05-May-17		05-May-17	0%	0%	-37					Zone GFT1 - Complete B1F @ GL 1'-3/D'-F'
A12350	Zone GFU4 - Complete B1F @ GL 3'-5/F'-H'	0		05-May-17		05-May-17	0%	0%	-34					Zone GFU4 - Complete B1F @ GL 3'-5/F'-H'

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
A20355	Sector A	0		24-Feb-17	24-Feb-17	100%	0%	0%	-22	A20355	Sector A			
A20410	Sector G	0		01-Apr-17	01-Apr-17	0%	0%	0%	-35		A20410	Sector G		
A20400	Sector F	0		03-Apr-17	03-Apr-17	0%	0%	0%	-25		A20400	Sector F		
B1/F														
First Access														
A20450	Sector C	0		07-Apr-17	07-Apr-17	0%	0%	0%	-41		A20450	Sector C		
A20470	Sector G	0		23-May-17	23-May-17	0%	0%	0%	-53		A20470	Sector G		
A20480	Sector F	0		10-Jun-17	10-Jun-17	0%	0%	0%	-32		A20480	Sector F		
LG/F														
First Access														
A20530	Sector F	0		27-Apr-17	27-Apr-17	0%	0%	0%	-29		A20530	Sector F		
A20520	Sector G	0		12-May-17	12-May-17	0%	0%	0%	-53		A20520	Sector G		
M+ Podium														
G/F														
A20550	Sector B	0		28-Apr-17	28-Apr-17	100%	0%	0%	-70		A20550	Sector B		
1/F & 1M/F														
A20590	Sector C	0		12-May-17	12-May-17	0%	0%	0%	-35		A20590	Sector C		
3/F														
A20700	Sector A, B, C & D - External Area	0		24-Feb-17	24-Feb-17	100%	0%	0%	-63		A20700	Sector A, B, C & D - External Area		
CSF														
Structure Completion Preparation for Builders' Work Access														
A23720	G/F Curing & Falseworks Stripping	30	08-May-17	08-Jun-17	08-May-17	08-Jun-17	0%	0%	-45		A23720	G/F Curing & Falseworks Stripping		
A23730	1/F Curing & Falseworks Stripping	30	01-Jun-17	02-Jul-17	01-Jun-17	02-Jul-17	0%	0%	-44		A23730	1/F Curing & Falseworks Stripping		
A23740	2/F Curing & Falseworks Stripping	30	15-Jun-17	16-Jul-17	15-Jun-17	16-Jul-17	0%	0%	-44		A23740	2/F Curing & Falseworks Stripping		
A23750	3/F Curing & Falseworks Stripping	30	27-Jun-17	28-Jul-17	27-Jun-17	28-Jul-17	0%	0%	-44		A23750	3/F Curing & Falseworks Stripping		
RDE														
Structure Completion Preparation for Builders' Work Access														
A21080	G/F Curing & Falseworks Stripping	30	04-May-17	03-Jun-17	04-May-17	03-Jun-17	0%	0%	-29		A21080	G/F Curing & Falseworks Stripping		
A21090	1/F Curing & Falseworks Stripping	30	27-May-17	26-Jun-17	27-May-17	26-Jun-17	0%	0%	-28		A21090	1/F Curing & Falseworks Stripping		
A21100	2/F Curing & Falseworks Stripping	30	18-Jun-17	18-Jul-17	18-Jun-17	18-Jul-17	0%	0%	-28		A21100	2/F Curing & Falseworks Stripping		
Construction Milestones														
AB10000	Instructed Commencement of works for M+ Podium ABWF & Fit-out work	0	24-Feb-17		24-Feb-17*		100%	0%	-28		AB10000	Instructed Commencement of works for M+ Podium ABWF & Fit-out work		
ABWF & BS Pre-Construction Works														
AB10070	Shop drawings Submission & Approval	210	03-Oct-16	13-May-17	02-Oct-16	16-Jul-17	65.24%	36%	-61		AB10070	Shop drawings Submission & Approval		
AB10080	Method Statement & ITP Submission & Approval	210	03-Oct-16	13-May-17	02-Oct-16	16-Jul-17	65.24%	36%	-61		AB10080	Method Statement & ITP Submission & Approval		
AB10090	Materials Submission & Approval	210	03-Oct-16	13-May-17	02-Oct-16	16-Jul-17	65.24%	36%	-61		AB10090	Materials Submission & Approval		
Long Lead Materials Procurement & Delivery														
AB10100	Others	270	24-Feb-17	01-Dec-17	24-Feb-17	01-Dec-17	17.04%	0%	-46		AB10100	Others		
SPS Materials														
AB51370	Davit System	83	24-Feb-17	23-May-17	24-Feb-17*	23-May-17	30.12%	0%	-25		AB51370	Davit System		
AB51380	GRP Cover	83	24-Feb-17	23-May-17	24-Feb-17*	23-May-17	30.12%	0%	-25		AB51380	GRP Cover		
AB51390	Fire/ Security Shutters	43	24-Feb-17	08-Apr-17	24-Feb-17*	08-Apr-17	41.86%	0%	-18		AB51390	Fire/ Security Shutters		
AB51400	Metal Door	43	24-Feb-17	08-Apr-17	24-Feb-17*	08-Apr-17	41.86%	0%	-18		AB51400	Metal Door		
AB51470	Louver	72	24-Feb-17	12-May-17	24-Feb-17*	12-May-17	43.06%	0%	-31		AB51470	Louver		
ABWF & Building Services Installation														
Interfacing - Take Over Zone Areas Access														
M+ Basement														
B2/F														
First Access														
AB1011	Sector B	0	24-Feb-17		24-Feb-17*		100%	0%	-63		AB1011	Sector B		
AB1011	Sector C	0	24-Feb-17		24-Feb-17*		100%	0%	-25		AB1011	Sector C		
AB1011	Sector D	0	24-Feb-17		24-Feb-17*		100%	0%	-25		AB1011	Sector D		
AB1011	Sector A	0	24-Feb-17		24-Feb-17*		100%	0%	-39		AB1011	Sector A		
AB1011	Sector G	0	24-Feb-17		24-Feb-17*		100%	0%	-11		AB1011	Sector G		
AB1021	Sector F	0	09-Mar-17		09-Mar-17*		0%	0%	0		AB1021	Sector F		
B1/F														
First Access														
AB1022	Sector G	0	27-Feb-17		27-Feb-17*		0%	0%	0		AB1022	Sector G		
AB1022	Sector F	0	25-Mar-17		25-Mar-17*		0%	0%	0		AB1022	Sector F		
LG/F														
AB10300	Sector G	0	27-Feb-17		27-Feb-17*		0%	0%	0		AB10300	Sector G		
AB10310	Sector F	0	25-Mar-17		25-Mar-17*		0%	0%	0		AB10310	Sector F		
M+ Podium														
G/F														
AB10340	Sector B	0	24-Feb-17		24-Feb-17*		100%	0%	-11		AB10340	Sector B		
AB10330	Sector C	0	23-May-17		23-May-17*		0%	0%	0		AB10330	Sector C		
1/F & 1M/F														
AB10380	Sector B	0	01-Mar-17		01-Mar-17*		0%	0%	0		AB10380	Sector B		
AB10370	Sector C	0	31-Mar-17		31-Mar-17*		0%	0%	0		AB10370	Sector C		
SPS														
AB11230	B2/F	0	01-Mar-17		01-Mar-17*		0%	0%	0		AB11230	B2/F		
AB11240	B1/F	0	01-Mar-17		01-Mar-17*		0%	0%	0		AB11240	B1/F		
AB11250	R/F	0	01-Mar-17		01-Mar-17*		0%	0%	0		AB11250	R/F		
M+ Basement ABWF & BS Installation														
B2/F - Sector A														
Tanks														
M+ Sprinkler Water Tank														
AB1351	Waterproofing & water test	12	24-Feb-17	07-Mar-17	24-Feb-17	07-Mar-17	100%	0%	-22		AB1351	Waterproofing & water test		
AB1361	Plastering work (inside tank)	10	08-Mar-17	17-Mar-17	08-Mar-17	17-Mar-17	100%	0%	-22		AB1361	Plastering work (inside tank)		
AB1361	Wall & floor tiling	14	18-Mar-17	31-Mar-17	18-Mar-17	31-Mar-17	0%	0%	-22		AB1361	Wall & floor tiling		
AB1361	Application of sealer on soffit (outside tank)	7	01-Apr-17	08-Apr-17	01-Apr-17	08-Apr-17	0%	0%	-22		AB1361	Application of sealer on soffit (outside tank)		
AB1361	Cat ladder	7	09-Apr-17	18-Apr-17	09-Apr-17	18-Apr-17	0%	0%	-22		AB1361	Cat ladder		

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017					
										Feb 17	Mar 18	Apr 19	May 20		
AB136	Hatch cover	7	19-Apr-17	25-Apr-17	19-Apr-17	25-Apr-17	0%	0%	-22						
M+ FS Water Tank															
AB136	Waterproofing & water test	12	18-Mar-17	29-Mar-17	18-Mar-17	29-Mar-17	0%	0%	-22						
AB136	Plastering work (inside tank)	10	30-Mar-17	09-Apr-17	30-Mar-17	09-Apr-17	0%	0%	-22						
AB136	Wall & floor tiling	14	10-Apr-17	26-Apr-17	10-Apr-17	26-Apr-17	0%	0%	-22						
AB136	Application of sealer on soffit (outside tank)	7	27-Apr-17	05-May-17	27-Apr-17	05-May-17	0%	0%	-22						
AB137	Cat ladder	7	06-May-17	12-May-17	06-May-17	12-May-17	0%	0%	-22						
AB137	Hatch cover	7	13-May-17	19-May-17	13-May-17	19-May-17	0%	0%	-22						
M+ IR Tank															
AB137	Waterproofing & water test	12	10-Apr-17	24-Apr-17	10-Apr-17	24-Apr-17	0%	0%	-22						
AB137	Plastering work (inside tank)	10	25-Apr-17	06-May-17	25-Apr-17	06-May-17	0%	0%	-22						
AB137	Wall & floor tiling	14	07-May-17	20-May-17	07-May-17	20-May-17	0%	0%	-22						
AB137	Application of sealer on soffit (outside tank)	7	21-May-17	27-May-17	21-May-17	27-May-17	0%	0%	-22						
AB137	Cat ladder	7	28-May-17	04-Jun-17	28-May-17	04-Jun-17	0%	0%	-22						
AB137	Hatch cover	7	05-Jun-17	11-Jun-17	05-Jun-17	11-Jun-17	0%	0%	-22						
Rain Water Retention Tank															
AB138	Waterproofing & water test	12	07-May-17	18-May-17	07-May-17	18-May-17	0%	0%	-22						
AB138	Plastering work (inside tank)	10	19-May-17	28-May-17	19-May-17	28-May-17	0%	0%	-22						
AB138	Wall & floor tiling	14	29-May-17	12-Jun-17	29-May-17	12-Jun-17	0%	0%	-22						
AB138	Application of sealer on soffit (outside tank)	7	13-Jun-17	19-Jun-17	13-Jun-17	19-Jun-17	0%	0%	-22						
Plantrooms															
FS Pump Room															
Builders' Work															
AB13	Concrete plinth	5	29-Jun-17	04-Jul-17	29-Jun-17	04-Jul-17	0%	0%	-39						
General Builders' Work															
AB13320	Steel Post	14	24-Feb-17	09-Mar-17	24-Feb-17	09-Mar-17	100%	0%	-39						
AB13330	Blockwall	20	10-Mar-17	29-Mar-17	10-Mar-17	29-Mar-17	100%	0%	-39						
AB13340	Wall Plastering	14	29-Mar-17	29-Mar-17	29-Mar-17	13-Apr-17	38.57%	0%	-39						
AB13350	Floor Screeding	7	13-Apr-17	23-Apr-17	13-Apr-17	23-Apr-17	0%	0%	-39						
AB13360	Drywall (MEP consealed items, close up panel)	14	15-Jun-17	28-Jun-17	15-Jun-17	28-Jun-17	0%	0%	-39						
General BS Installation															
Electrical Systems															
AB139	MEP 1st fix - B2F Sector A	30	29-Jun-17	29-Jul-17	29-Jun-17	29-Jul-17	0%	0%	-39						
Plumbing & Drainage															
AB520	P&D 1st fix - B2F Sector A	30	29-Jun-17	29-Jul-17	29-Jun-17	29-Jul-17	0%	0%	-39						
FS System															
AB520	FS 1st fix - B2F Sector A	30	29-Jun-17	29-Jul-17	29-Jun-17	29-Jul-17	0%	0%	-39						
HVAC System															
AB521	HVAC 1st fix - B2F Sector A	60	29-Jun-17	28-Aug-17	29-Jun-17	28-Aug-17	0%	0%	-39						
B2/F - Sector C															
Plantrooms															
SH Water Tank/ Street Hydrant Tank															
AB119	Waterproofing & water test	12	25-Apr-17	08-May-17	25-Apr-17	08-May-17	0%	0%	-22						
AB119	Plastering work (inside tank)	10	09-May-17	18-May-17	09-May-17	18-May-17	0%	0%	-22						
AB119	Wall & floor tiling	14	19-May-17	02-Jun-17	19-May-17	02-Jun-17	0%	0%	-22						
AB119	Application of sealer on soffit (outside tank)	7	03-Jun-17	09-Jun-17	03-Jun-17	09-Jun-17	0%	0%	-22						
AB119	Cat ladder	7	10-Jun-17	16-Jun-17	10-Jun-17	16-Jun-17	0%	0%	-22						
Grease Trap Room for Podium															
Builders' Work															
AB11f	Concrete plinth & waterproofing works	12	17-May-17	31-May-17	17-May-17	31-May-17	0%	0%	-32						
AB11f	Floor Screeding	7	01-Jun-17	07-Jun-17	01-Jun-17	07-Jun-17	0%	0%	-38						
AB11f	Wall rendering	7	08-Jun-17	14-Jun-17	08-Jun-17	14-Jun-17	0%	0%	-38						
AB11f	Sealer on ceiling soffit & application of epoxy paint on wall	7	15-Jun-17	21-Jun-17	15-Jun-17	21-Jun-17	0%	0%	-38						
M+ Water Pump Room															
Builders' Work															
AB11f	Concrete plinth & waterproofing works	12	08-Jun-17	19-Jun-17	08-Jun-17	19-Jun-17	0%	0%	-38						
AB11f	Floor Screeding	7	20-Jun-17	26-Jun-17	20-Jun-17	26-Jun-17	0%	0%	-38						
AB11f	Wall Rendering	7	27-Jun-17	04-Jul-17	27-Jun-17	04-Jul-17	0%	0%	-38						
ICT Room															
Builders' Work															
AB12	Blockwall	10	10-Jun-17	19-Jun-17	10-Jun-17	19-Jun-17	0%	0%	-22						
Security Control Room															
Builders' Work															
AB11f	Blockwall	10	03-Jun-17	12-Jun-17	03-Jun-17	12-Jun-17	0%	0%	-22						
AB11f	Plastering & screeding	5	13-Jun-17	17-Jun-17	13-Jun-17	17-Jun-17	0%	0%	-22						
General Builders' Work															
AB11490	Steel Post	10	10-Mar-17	19-Mar-17	10-Mar-17	19-Mar-17	100%	0%	-39						
AB11500	Blockwall	14	13-Mar-17	26-Mar-17	13-Mar-17	26-Mar-17	100%	0%	-39						
AB11510	Wall Plastering	24	27-Mar-17	27-Mar-17	23-Apr-17	23-Apr-17	33.33%	0%	-39						
AB11520	Floor Screeding	28	16-Apr-17	16-May-17	16-Apr-17	16-May-17	0%	0%	-39						
AB11540	Drywall (MEP consealed items, close up panel)	28	17-May-17	14-Jun-17	17-May-17	14-Jun-17	0%	0%	-39						
General BS Installation															
Electrical System															
AB522	MEP 1st fix - B2F Sector C	30	15-Jun-17	15-Jul-17	15-Jun-17	15-Jul-17	0%	0%	-39						
Plumbing & Drainage															
AB523	P&D 1st fix - B2F Sector C	30	15-Jun-17	15-Jul-17	15-Jun-17	15-Jul-17	0%	0%	-39						
FS System															
AB523	FS 1st fix - B2F Sector C	30	15-Jun-17	15-Jul-17	15-Jun-17	15-Jul-17	0%	0%	-39						
HVAC System															
AB523	HVAC 1st fix - B2F Sector C	60	15-Jun-17	14-Aug-17	15-Jun-17	14-Aug-17	0%	0%	-39						
B2/F - Sector D															
MEP Plantrooms															
ELV (First Access Areas)															

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017			
										Feb 17	Mar 18	Apr 19	May 20
Transformer Room A													
Builders' Work													
AB16i	Construct plinth	5	08-Apr-17	12-Apr-17	08-Apr-17	12-Apr-17	0%	0%	-41				
AB16i	Wall rendering	9	13-Apr-17	24-Apr-17	13-Apr-17	24-Apr-17	0%	0%	-41				
AB16i	Wall tiling (1.5m high)	10	25-Apr-17	06-May-17	25-Apr-17	06-May-17	0%	0%	-41				
AB16i	Floor screeding	4	07-May-17	10-May-17	07-May-17	10-May-17	0%	0%	-41				
AB16i	Installation of cable trench cover	10	11-May-17	20-May-17	11-May-17	20-May-17	0%	0%	-41				
AB16i	Sealer on ceiling soffit & application of epoxy paint on wall	6	21-May-17	26-May-17	21-May-17	26-May-17	0%	0%	-41				
BS Installation													
AB16i	Transformer Room A - MEP 2nd fix	14	27-May-17	10-Jun-17	27-May-17	10-Jun-17	0%	0%	-41				
AB16i	Inspection by CLP	14	11-Jun-17	24-Jun-17	11-Jun-17	24-Jun-17	0%	0%	-41				
AB53i	H/O TX Room A to CLP	0	25-Jun-17		25-Jun-17		0%	0%	-41				
AB53i	CLP Installation for TX Room A	60	25-Jun-17	24-Aug-17	25-Jun-17	24-Aug-17	0%	0%	-41				
LV Switch Room 1 & 2													
Builders' Work													
AB16i	Construction plinth	5	08-Apr-17	12-Apr-17	08-Apr-17	12-Apr-17	0%	0%	-41				
AB16i	Wall rendering	9	13-Apr-17	24-Apr-17	13-Apr-17	24-Apr-17	0%	0%	-41				
AB16i	Wall tiling (1.5m high)	10	25-Apr-17	06-May-17	25-Apr-17	06-May-17	0%	0%	-41				
AB16i	Floor screeding	4	07-May-17	10-May-17	07-May-17	10-May-17	0%	0%	-41				
AB16i	Sealer on ceiling soffit & application of epoxy paint on wall	6	11-May-17	16-May-17	11-May-17	16-May-17	0%	0%	-41				
BS Installation													
AB16i	LV Switch Room 1 & 2 - MEP 2nd fix	14	17-May-17	31-May-17	17-May-17	31-May-17	0%	0%	-41				
AB16i	LV Switch Room 1 & 2 - Main Switch Board 1 & 2 Site Test	8	01-Jun-17	08-Jun-17	01-Jun-17	08-Jun-17	0%	0%	-41				
AB53i	LV Switch Room 1 & 2 - Install Main Switch Board 1 & 2	60	09-Jun-17	08-Aug-17	09-Jun-17	08-Aug-17	0%	0%	-41				
CBS Room													
Builder's Work													
AB16i	Construct plinth	5	08-Apr-17	12-Apr-17	08-Apr-17	12-Apr-17	0%	0%	-41				
AB16i	Wall rendering	9	13-Apr-17	24-Apr-17	13-Apr-17	24-Apr-17	0%	0%	-41				
AB16i	Wall tiling (1.5m high)	10	25-Apr-17	06-May-17	25-Apr-17	06-May-17	0%	0%	-41				
AB17i	Floor screeding	4	07-May-17	10-May-17	07-May-17	10-May-17	0%	0%	-41				
AB17i	Sealer on ceiling soffit & application of epoxy paint on wall	6	11-May-17	16-May-17	11-May-17	16-May-17	0%	0%	-41				
BS Installation													
AB17i	CBS Room - MEP 2nd fix	14	17-May-17	31-May-17	17-May-17	31-May-17	0%	0%	-41				
AB17i	CBS Room - CBS Installation & Termination	60	01-Jun-17	31-Jul-17	01-Jun-17	31-Jul-17	0%	0%	-41				
Main I.T. Room													
Builder's Work													
AB53i	Construct plinth	5	08-Apr-17	12-Apr-17	08-Apr-17	12-Apr-17	0%	0%	-41				
AB53i	Wall rendering	9	13-Apr-17	24-Apr-17	13-Apr-17	24-Apr-17	0%	0%	-41				
AB53i	Wall tiling (1.5m high)	10	25-Apr-17	06-May-17	25-Apr-17	06-May-17	0%	0%	-41				
AB53i	Floor screeding	4	07-May-17	10-May-17	07-May-17	10-May-17	0%	0%	-41				
AB53i	Sealer on ceiling soffit & application of epoxy paint on wall	6	11-May-17	16-May-17	11-May-17	16-May-17	0%	0%	-41				
BS Installation													
AB17i	Main I.T. Room - MEP 2nd fix	14	17-May-17	31-May-17	17-May-17	31-May-17	0%	0%	-41				
AB17i	Main I.T. Room - MEP Final fix	14	01-Jun-17	14-Jun-17	01-Jun-17	14-Jun-17	0%	0%	-41				
Final Finishes													
AB17i	Final coat of paint on wall	3	15-Jun-17	17-Jun-17	15-Jun-17	17-Jun-17	0%	0%	-41				
TBE													
Builder's Work													
AB53i	Construct plinth	5	08-Apr-17	12-Apr-17	08-Apr-17	12-Apr-17	0%	0%	-41				
AB53i	Wall rendering	9	13-Apr-17	24-Apr-17	13-Apr-17	24-Apr-17	0%	0%	-41				
AB53i	Wall tiling (1.5m high)	10	25-Apr-17	06-May-17	25-Apr-17	06-May-17	0%	0%	-41				
AB53i	Floor screeding	4	07-May-17	10-May-17	07-May-17	10-May-17	0%	0%	-41				
AB53i	Sealer on ceiling soffit & application of epoxy paint on wall	6	11-May-17	16-May-17	11-May-17	16-May-17	0%	0%	-41				
BS Installation													
AB17i	TBE Room - MEP 2nd fix	14	17-May-17	31-May-17	17-May-17	31-May-17	0%	0%	-41				
AB17i	TBE Room - MEP final fix	14	01-Jun-17	14-Jun-17	01-Jun-17	14-Jun-17	0%	0%	-41				
Final Finishes													
AB17i	Final coat of paint on wall	3	15-Jun-17	17-Jun-17	15-Jun-17	17-Jun-17	0%	0%	-41				
AB17i	Sealer on floor	3	18-Jun-17	20-Jun-17	18-Jun-17	20-Jun-17	0%	0%	-41				
ELV													
Builder's Work													
AB53i	Construct plinth	5	08-Apr-17	12-Apr-17	08-Apr-17	12-Apr-17	0%	0%	-41				
AB53i	Wall rendering	9	13-Apr-17	24-Apr-17	13-Apr-17	24-Apr-17	0%	0%	-41				
AB53i	Wall tiling (1.5m high)	10	25-Apr-17	06-May-17	25-Apr-17	06-May-17	0%	0%	-41				
AB53i	Floor screeding	4	07-May-17	10-May-17	07-May-17	10-May-17	0%	0%	-41				
AB53i	Sealer on ceiling soffit & application of epoxy paint on wall	6	11-May-17	16-May-17	11-May-17	16-May-17	0%	0%	-41				
BS Installation													
AB17i	ELV Room - MEP 2nd fix	14	17-May-17	31-May-17	17-May-17	31-May-17	0%	0%	-41				
AB17i	ELV Room - Install ELV system	30	01-Jun-17	30-Jun-17	01-Jun-17	30-Jun-17	0%	0%	-41				
Final Finishes													
AB17i	Final coat of paint on ceiling & wall	3	02-Jul-17	04-Jul-17	02-Jul-17	04-Jul-17	0%	0%	-41				
AB17i	Sealer on floor	3	05-Jul-17	07-Jul-17	05-Jul-17	07-Jul-17	0%	0%	-41				
ICT Riser													
Builder's Work													
AB53i	Construct plinth	5	08-Apr-17	12-Apr-17	08-Apr-17	12-Apr-17	0%	0%	-41				
AB53i	Wall rendering	9	13-Apr-17	24-Apr-17	13-Apr-17	24-Apr-17	0%	0%	-41				
AB53i	Wall tiling (1.5m high)	10	25-Apr-17	06-May-17	25-Apr-17	06-May-17	0%	0%	-41				
AB53i	Floor screeding	4	07-May-17	10-May-17	07-May-17	10-May-17	0%	0%	-41				
AB53i	Sealer on ceiling soffit & application of epoxy paint on wall	6	11-May-17	16-May-17	11-May-17	16-May-17	0%	0%	-41				
BS Installation													
AB17i	ICT Riser - MEP 2nd fix	14	17-May-17	31-May-17	17-May-17	31-May-17	0%	0%	-41				
AB17i	ICT Riser - MEP final fix	14	01-Jun-17	14-Jun-17	01-Jun-17	14-Jun-17	0%	0%	-41				

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

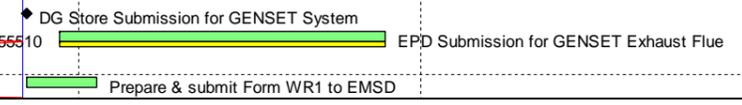
Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017					
										Feb 17	Mar 18	Apr 19	May 20		
Final Finishes															
AB17	Final coat of paint on wall	3	15-Jun-17	17-Jun-17	15-Jun-17	17-Jun-17	0%	0%	-41					AB17270	
AB17	Sealer on floor	3	18-Jun-17	20-Jun-17	18-Jun-17	20-Jun-17	0%	0%	-41					AB17280	
B1/F - Sector F															
General Builders' Work															
AB18650	Steel Post	10	11-Jun-17	20-Jun-17	11-Jun-17	20-Jun-17	0%	0%	-32					AB18650	
AB18660	Blockwall	14	21-Jun-17	05-Jul-17	21-Jun-17	05-Jul-17	0%	0%	-32					AB18660	
Plantrooms															
Generator & Fuel Tanks															
Builders' Work															
AB54	Waterproofing & water test	12	11-Jun-17	22-Jun-17	11-Jun-17	22-Jun-17	0%	0%	-32					AB54060	
AB54	Plastering work (inside tank)	10	23-Jun-17	03-Jul-17	23-Jun-17	03-Jul-17	0%	0%	-32					AB54070	
Oil Pump Room & Day Tanks															
Builder's Work															
AB54	Waterproofing & water test	12	11-Jun-17	22-Jun-17	11-Jun-17	22-Jun-17	0%	0%	-32					AB54120	
AB54	Plastering work (inside tank)	10	23-Jun-17	03-Jul-17	23-Jun-17	03-Jul-17	0%	0%	-32					AB54130	
B1/F - Sector G															
Plantrooms															
RDE Transformer Room															
Builders' Work															
AB18	Construct plinth	5	24-May-17	28-May-17	24-May-17	28-May-17	0%	0%	-53					AB18060	
AB18	Wall rendering	8	29-May-17	06-Jun-17	29-May-17	06-Jun-17	0%	0%	-53					AB18070	
AB18	Wall tiling (1.5m high)	10	07-Jun-17	16-Jun-17	07-Jun-17	16-Jun-17	0%	0%	-53					AB18080	
AB18	Floor screeding	8	17-Jun-17	24-Jun-17	17-Jun-17	24-Jun-17	0%	0%	-53					AB18090	
AB18	Installation of cable trench cover	4	25-Jun-17	28-Jun-17	25-Jun-17	28-Jun-17	0%	0%	-53					AB18100	
AB18	Sealer on ceiling soffit & application of epoxy paint on wall	6	29-Jun-17	05-Jul-17	29-Jun-17	05-Jul-17	0%	0%	-53					AB18110	
BS Installation															
AB18	RDE Transformer Room - MEP 2nd fix	14	06-Jul-17	19-Jul-17	06-Jul-17	19-Jul-17	0%	0%	-53					AB18120	
LV Switch Room															
Builder's Work															
AB18	Construct plinth	5	24-May-17	28-May-17	24-May-17	28-May-17	0%	0%	-53					AB18160	
AB18	Wall rendering	9	29-May-17	07-Jun-17	29-May-17	07-Jun-17	0%	0%	-53					AB18170	
AB18	Wall tiling (1.5m high)	10	08-Jun-17	17-Jun-17	08-Jun-17	17-Jun-17	0%	0%	-53					AB18180	
AB18	Floor screeding	4	18-Jun-17	21-Jun-17	18-Jun-17	21-Jun-17	0%	0%	-53					AB18190	
AB18	Sealer on ceiling soffit & application of epoxy paint on wall	7	22-Jun-17	28-Jun-17	22-Jun-17	28-Jun-17	0%	0%	-53					AB18200	
BS Installation															
AB18	RDE LV Switch Room - MEP 2nd fix	14	29-Jun-17	13-Jul-17	29-Jun-17	13-Jul-17	0%	0%	-53					AB18210	
AB18	RDE LV Switch Room - Site test for LV Switchboard	8	14-Jul-17	21-Jul-17	14-Jul-17	21-Jul-17	0%	0%	-53					AB18220	
ELV Room															
Builder's Work															
AB18	Sealer on ceiling soffit & on wall	7	10-May-17	16-May-17	10-May-17	16-May-17	0%	0%	0					AB18370	Sealer on
BS Installation															
AB18	ELV Room - MEP 2nd fix	14	17-May-17	31-May-17	17-May-17	31-May-17	0%	0%	0					AB18380	
Carriageway SEF Room															
Builders' Work															
AB18	Sealer on ceiling soffit & on wall	7	10-May-17	16-May-17	10-May-17	16-May-17	0%	0%	0					AB18250	Sealer on
BS Installation															
AB18	Carriageway SEF Room - MEP 2nd fix	14	17-May-17	31-May-17	17-May-17	31-May-17	0%	0%	0					AB18260	
RDE ELE Room & Lobby															
Builders' Work															
AB18	Sealer on ceiling soffit & on wall	7	17-May-17	23-May-17	17-May-17	23-May-17	0%	0%	0					AB18310	
ICT															
Builders' Work															
AB18	Sealer on ceiling soffit & on wall	7	17-May-17	23-May-17	17-May-17	23-May-17	0%	0%	0					AB18430	
General Builders' Work															
AB18020	Steel Post	10	27-Feb-17	08-Mar-17	27-Feb-17	08-Mar-17	0%	0%	0					AB18020	Steel Post
AB18030	Blockwall	21	09-Mar-17	29-Mar-17	09-Mar-17	29-Mar-17	0%	0%	0					AB18030	Blockwall
AB18040	Wall Plastering	21	30-Mar-17	23-Apr-17	30-Mar-17	23-Apr-17	0%	0%	0					AB18040	Wall Plastering
AB18050	Floor Screeding	14	24-Apr-17	09-May-17	24-Apr-17	09-May-17	0%	0%	0					AB18050	Floor Screeding
General BS Installation															
Electrical System															
AB541	MEP 1st fix - LGF Sector G	30	30-Mar-17	04-May-17	30-Mar-17	04-May-17	0%	0%	0					AB54180	MEP 1st fix - LGF Sector G
AB541	MEP 2nd fix - LGF Sector G	45	05-May-17	19-Jun-17	05-May-17	19-Jun-17	0%	0%	0					AB54190	
Plumbing & Drainage															
AB542	P&D 1st fix - LGF Sector G	30	30-Mar-17	04-May-17	30-Mar-17	04-May-17	0%	0%	0					AB54210	P&D 1st fix - LGF Sector G
AB542	P&D 2nd fix - LGF Sector G	45	05-May-17	19-Jun-17	05-May-17	19-Jun-17	0%	0%	0					AB54220	
FS System															
AB542	FS 1st fix - LGF Sector G	30	30-Mar-17	04-May-17	30-Mar-17	04-May-17	0%	0%	0					AB54240	FS 1st fix - LGF Sector G
AB542	FS 2nd fix - LGF Sector G	45	05-May-17	19-Jun-17	05-May-17	19-Jun-17	0%	0%	0					AB54250	
HVAC System															
AB542	HVAC 1st fix - LGF Sector G	30	30-Mar-17	04-May-17	30-Mar-17	04-May-17	0%	0%	0					AB54270	HVAC 1st fix - LGF Sector G
AB542	HVAC 2nd fix - LGF Sector G	45	05-May-17	19-Jun-17	05-May-17	19-Jun-17	0%	0%	0					AB54280	
LG/F - Sector F															
General Builders' Work															
AB22530	Steel Post	14	28-Apr-17	13-May-17	28-Apr-17	13-May-17	0%	0%	-29					AB22530	Steel Post
AB22540	Blockwall	14	14-May-17	27-May-17	14-May-17	27-May-17	0%	0%	-29					AB22540	
AB22550	Wall Plastering	14	28-May-17	11-Jun-17	28-May-17	11-Jun-17	0%	0%	-29					AB22550	
AB22560	Floor Screeding	21	12-Jun-17	03-Jul-17	12-Jun-17	03-Jul-17	0%	0%	-29					AB22560	
General BS Installation															
Electrical System															
AB543	MEP 1st fix - LGF Sector F	30	28-May-17	27-Jun-17	28-May-17	27-Jun-17	0%	0%	-29					AB54330	
Plumbing & Drainage															
AB543	P&D 1st fix - LGF Sector F	30	28-May-17	27-Jun-17	28-May-17	27-Jun-17	0%	0%	-29					AB54360	

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017					
										Feb 17	Mar 18	Apr 19	May 20		
FS System															
AB543	FS 1st fix - LGF Sector F	30	28-May-17	27-Jun-17	28-May-17	27-Jun-17	0%	0%	-29					AB54390	
HVAC System															
AB544	HVAC 1st fix - LGF Sector F	30	28-May-17	27-Jun-17	28-May-17	27-Jun-17	0%	0%	-29					AB54420	
LG/F - Sector G															
General Builders' Work															
AB21990	Steel Post	14	13-May-17	26-May-17	13-May-17	26-May-17	0%	0%	-53			AB21990			
AB22000	Blockwall	14	27-May-17	10-Jun-17	27-May-17	10-Jun-17	0%	0%	-53			AB22000			
AB22010	Wall Plastering	14	11-Jun-17	24-Jun-17	11-Jun-17	24-Jun-17	0%	0%	-53				AB22010		
AB22020	Floor Screeding	21	25-Jun-17	16-Jul-17	25-Jun-17	16-Jul-17	0%	0%	-53					AB22020	
AB22030	Drywall (MEP consealed items, close up panel)	21	17-Jul-17	06-Aug-17	17-Jul-17	06-Aug-17	0%	0%	-53					AB22030	
General BS Installation															
Electrical System															
AB545	MEP 1st fix - LGF Sector G	30	11-Jun-17	11-Jul-17	11-Jun-17	11-Jul-17	0%	0%	-53					AB54570	
AB545	MEP 2nd fix - LGF Sector G	45	12-Jul-17	25-Aug-17	12-Jul-17	25-Aug-17	0%	0%	-53					AB54580	
Plumbing & Drainage															
AB546	P&D 1st fix - LGF Sector G	30	11-Jun-17	11-Jul-17	11-Jun-17	11-Jul-17	0%	0%	-53					AB54600	
AB546	P&D 2nd fix - LGF Sector G	45	12-Jul-17	25-Aug-17	12-Jul-17	25-Aug-17	0%	0%	-53					AB54610	
FS System															
AB546	FS 1st fix - LGF Sector G	30	11-Jun-17	11-Jul-17	11-Jun-17	11-Jul-17	0%	0%	-53					AB54630	
AB546	FS 2nd fix - LGF Sector G	45	12-Jul-17	25-Aug-17	12-Jul-17	25-Aug-17	0%	0%	-53					AB54640	
HVAC System															
AB546	HVAC 1st fix - LGF Sector G	30	11-Jun-17	11-Jul-17	11-Jun-17	11-Jul-17	0%	0%	-53					AB54660	
AB546	HVAC 2nd fix - LGF Sector G	45	12-Jul-17	25-Aug-17	12-Jul-17	25-Aug-17	0%	0%	-53					AB54670	
Plantrooms															
M+ Water Tank															
AB221	Waterproofing works & water	12	13-May-17	24-May-17	13-May-17	24-May-17	0%	0%	-53			AB22190			
AB222	Plastering work (inside tank)	10	25-May-17	04-Jun-17	25-May-17	04-Jun-17	0%	0%	-53			AB22200			
AB222	Wall & floor tiling	14	05-Jun-17	18-Jun-17	05-Jun-17	18-Jun-17	0%	0%	-53				AB22210		
AB222	Application of sealer on soffit (outside tank)	7	19-Jun-17	25-Jun-17	19-Jun-17	25-Jun-17	0%	0%	-53					AB22220	
AB222	Cat ladder	7	26-Jun-17	03-Jul-17	26-Jun-17	03-Jul-17	0%	0%	-53					AB22230	
AB222	Hatch cover	7	04-Jul-17	10-Jul-17	04-Jul-17	10-Jul-17	0%	0%	-53					AB22240	
M+ Podium ABWF & BS Installation															
G/F - Sector B															
General Builder's Work															
AB23360	Drywall (MEP consealed items, close up panel)	14	24-Feb-17	09-Mar-17	24-Feb-17	09-Mar-17	78.57%	0%	-11			AB23360			
AB23370	Floor Screeding	14	03-Mar-17	16-Mar-17	03-Mar-17	16-Mar-17	28.57%	0%	-11			AB23370			
General BS Installation															
Electrical System															
AB548	MEP 1st fix - GF Sector B	30	24-Feb-17	25-Mar-17	24-Feb-17	25-Mar-17	36.67%	0%	-11			AB54810			
AB548	MEP 2nd fix - GF Sector B	45	26-Mar-17	15-May-17	26-Mar-17	15-May-17	0%	0%	-11					AB54820	
AB548	MEP Final fix - GF Sector B	30	16-May-17	15-Jun-17	16-May-17	15-Jun-17	0%	0%	-11					AB54830	
Plumbing & Drainage															
AB548	P&D 1st fix - GF Sector B	30	24-Feb-17	25-Mar-17	24-Feb-17	25-Mar-17	36.67%	0%	-11			AB54840			
AB548	P&D 2nd fix - GF Sector B	45	26-Mar-17	15-May-17	26-Mar-17	15-May-17	0%	0%	-11					AB54850	
AB548	P&D Final fix - GF Sector B	30	16-May-17	15-Jun-17	16-May-17	15-Jun-17	0%	0%	-11					AB54860	
FS System															
AB548	FS 1st fix - GF Sector B	30	24-Feb-17	25-Mar-17	24-Feb-17	25-Mar-17	36.67%	0%	-11			AB54870			
AB548	FS 2nd fix - GF Sector B	45	26-Mar-17	15-May-17	26-Mar-17	15-May-17	0%	0%	-11					AB54880	
AB548	FS Final fix - GF Sector B	30	16-May-17	15-Jun-17	16-May-17	15-Jun-17	0%	0%	-11					AB54890	
HVAC System															
AB549	HVAC 1st fix - GF Sector B	30	24-Feb-17	25-Mar-17	24-Feb-17	25-Mar-17	36.67%	0%	-11			AB54900			
AB549	HVAC 2nd fix - GF Sector B	45	26-Mar-17	15-May-17	26-Mar-17	15-May-17	0%	0%	-11					AB54910	
AB549	HVAC Final fix - GF Sector B	30	16-May-17	15-Jun-17	16-May-17	15-Jun-17	0%	0%	-11					AB54920	
G/F - Sector C															
General Builders' Work															
AB23780	Wall Plastering	7	23-May-17	29-May-17	23-May-17	29-May-17	0%	0%	0					AB23780	
General BS Installation															
Electrical System															
AB549	MEP 1st fix - GF Sector C	30	23-May-17	22-Jun-17	23-May-17	22-Jun-17	0%	0%	0					AB54930	
Plumbing & Drainage															
AB549	P&D 1st fix - GF Sector C	30	23-May-17	22-Jun-17	23-May-17	22-Jun-17	0%	0%	0					AB54960	
FS System															
AB549	FS 1st fix - GF Sector C	30	23-May-17	22-Jun-17	23-May-17	22-Jun-17	0%	0%	0					AB54990	
HVAC System															
AB550	HVAC 1st fix - GF Sector C	30	23-May-17	22-Jun-17	23-May-17	22-Jun-17	0%	0%	0					AB55020	
1M/F - Sector C															
AB26400	Maintenance platform installation	75	12-May-17	28-Jul-17	12-May-17	28-Jul-17	0%	0%	-35			AB26400			
General BS Installation															
Electrical System															
AB558	MEP 1st fix - 1MF Sector A	30	12-May-17	12-Jun-17	12-May-17	12-Jun-17	0%	0%	-35			AB55890			
AB559	MEP 2nd fix - 1MF Sector A	45	12-Jun-17	28-Jul-17	12-Jun-17	28-Jul-17	0%	0%	-35					AB55900	
Plumbing & Drainage															
AB559	P&D 1st fix - 1MF Sector A	30	12-May-17	12-Jun-17	12-May-17	12-Jun-17	0%	0%	-35			AB55920			
AB559	P&D 2nd fix - 1MF Sector A	45	12-Jun-17	28-Jul-17	12-Jun-17	28-Jul-17	0%	0%	-35					AB55930	
FS System															
AB559	FS 1st fix - 1MF Sector A	30	12-May-17	12-Jun-17	12-May-17	12-Jun-17	0%	0%	-35			AB55950			
AB559	FS 2nd fix - 1MF Sector A	45	12-Jun-17	28-Jul-17	12-Jun-17	28-Jul-17	0%	0%	-35					AB55960	
HVAC System															
AB559	HVAC 1st fix - 1MF Sector A	30	12-May-17	12-Jun-17	12-May-17	12-Jun-17	0%	0%	-35			AB55980			
AB559	HVAC 2nd fix - 1MF Sector A	45	12-Jun-17	28-Jul-17	12-Jun-17	28-Jul-17	0%	0%	-35					AB55990	
RDE ABWF & BS Installation															
Internal Finishes															

Three Month Rolling Programme (3MRP) Month 17 - 28 Feb 2017

Activity ID	Activity Name	MICP D15 O3A	MICP D15 O3A	MICP D15 O3A	Start	Finish	Planned B/L % Complete	Actual % Complete	Finish Variance (+/-d)	2017				
										Feb 17	Mar 18	Apr 19	May 20	
General Finishes														
A24140	G/F Builders' Works	51	04-Jun-17	25-Jul-17	04-Jun-17	25-Jul-17	0%	0%	-29					A24140
Statutory Inspection & OP														
EPD														
A55520	DG Store Submission for GENSET System	0	24-Feb-17		24-Feb-17*		100%	0%	-49					
A55510	EPD Submission for GENSET Exhaust Flue	30	27-Feb-17	28-Mar-17	27-Feb-17*	28-Mar-17	0%	0%	0					
Lift & Escalators														
A55530	Prepare & submit Form WR1 to EMSD	7	24-Feb-17	02-Mar-17	24-Feb-17	02-Mar-17	100%	0%	-69					



Lyric Theatre Complex

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

MARCH 2017

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

APRIL 2017

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

F. Calibration Certifications

High-Volume TSP Sampler
5-Point Calibration Record

Location : AM1(ICC)
 Calibrated by : K.T.Ho
 Date : 16/02/2017

Sampler

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

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454
 Service Date : 14 Mar 2016
 Slope (m) : 2.09532
 Intercept (b) : -0.03812
 Correlation Coefficient(r) : 0.99994

Standard Condition

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

Calibration Condition

Pa (hpa) : 1021
 Ta(K) : 290

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1 18 holes	10.2	3.250	1.577	59	60.04
2 13 holes	8.4	2.950	1.434	52	52.92
3 10 holes	6.2	2.534	1.237	44	44.78
4 7 holes	4.4	2.135	1.047	36	36.64
5 5 holes	2.6	1.641	0.812	26	26.46

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): 43.452 Intercept(b): -8.903

Correlation Coefficient(r): 0.9997

Checked by: 
 Magnum Fan

Date: 18/02/2017

High-Volume TSP Sampler
5-Point Calibration Record

Location : AM2A (Harbourside)
 Calibrated by : K.T.Ho
 Date : 16/02/2017

Sampler

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

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454
 Service Date : 14 Mar 2016
 Slope (m) : 2.10326
 Intercept (b) : -0.06696
 Correlation Coefficient(r) : 0.99989

Standard Condition

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

Calibration Condition

Pa (hpa) : 1021
 Ta(K) : 290

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1 18 holes	12.2	3.555	1.722	60	61.06
2 13 holes	9.2	3.087	1.499	52	52.92
3 10 holes	7.2	2.731	1.330	44	44.78
4 7 holes	4.6	2.183	1.070	34	34.60
5 5 holes	2.6	1.641	0.812	24	24.42

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): 40.647 Intercept(b): -8.741 Correlation Coefficient(r): 0.9994

Checked by: 
 Magnum Fan

Date: 18/02/2017



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

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Mar 14, 2016 Rootsmeter S/N 0438320 Ta (K) - 295
 Operator Tisch Orifice I.D. - 2454 Pa (mm) - 745.49

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1	NA	NA	1.00	1.4020	3.2	2.00
2	NA	NA	1.00	1.0060	6.4	4.00
3	NA	NA	1.00	0.9010	7.9	5.00
4	NA	NA	1.00	0.8590	8.8	5.50
5	NA	NA	1.00	0.7090	12.8	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)	Va	(x axis) Qa	(y axis)
0.9866	0.7037	1.4078	0.9957	0.7102	0.8896
0.9824	0.9765	1.9909	0.9914	0.9855	1.2581
0.9803	1.0880	2.2259	0.9893	1.0980	1.4066
0.9792	1.1399	2.3345	0.9882	1.1504	1.4753
0.9738	1.3735	2.8155	0.9828	1.3862	1.7792
Qstd slope (m) = 2.10326			Qa slope (m) = 1.31703		
intercept (b) = -0.06696			intercept (b) = -0.04232		
coefficient (r) = 0.99989			coefficient (r) = 0.99989		
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.

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	: 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		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

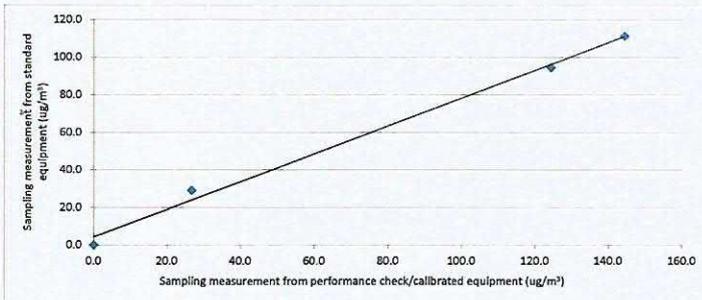
EQUIPMENT PERFORMANCE CHECK / CALIBRATION RESULTS:

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
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 : 2Z6240
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	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%
		978 CPM	966 CPM	-1.2%
Reproducibility	The difference between maximum and minimum value of sensitivity adjustment scale setting must be 5.0 % or less of maximum value. (The results of measurement of sensitivity adjustment in 5 times are within this range.)	516 CPM	515 CPM	-0.2%
		OK		
Synthetic Judgment		Good		
		Reference Value(S)		565 CPM
		Test atmosphere		Temperature Humidity
		23 °C	45 %	


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

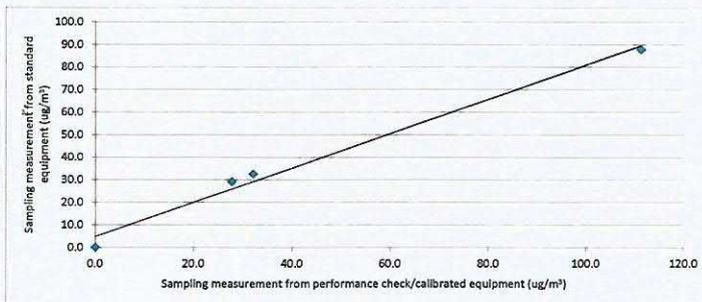
EQUIPMENT PERFORMANCE CHECK / CALIBRATION RESULTS:

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

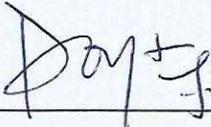
Linear Regression of Y on X

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:  Date: 17/01/2017



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. : C164166
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC16-1465) Date of Receipt / 收件日期 : 20 July 2016

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 check

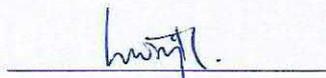
DATE OF TEST / 測試日期 : 29 July 2016

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 : 1 August 2016
簽發日期

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

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

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. : C164166
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 was performed before the test.
3. The results presented are the mean of 3 measurements at each calibration point.
4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C160077
CL281	Multifunction Acoustic Calibrator	PA160023

5. Test procedure : MA101N.

6. Results :

- 6.1 Sound Pressure Level

- 6.1.1 Reference Sound Pressure Level

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	94.4	± 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	94.4 (Ref.)
				104.00		104.4
				114.00		114.4

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

- 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	94.4	Ref.
			Slow			94.4	± 0.1

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

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

Certificate of Calibration

校正證書

Certificate No. : C164166
證書編號

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	54.7	-39.4 ± 1.5
					63 Hz	68.0	-26.2 ± 1.5
					125 Hz	78.0	-16.1 ± 1.0
					250 Hz	85.6	-8.6 ± 1.0
					500 Hz	91.1	-3.2 ± 1.0
					1 kHz	94.4	Ref.
					2 kHz	95.7	+1.2 ± 1.0
					4 kHz	95.5	+1.0 ± 1.0
					8 kHz	93.3	-1.1 (+1.5 ; -3.0)
12.5 kHz	90.1	-4.3 (+3.0 ; -6.0)					

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	91.3	-3.0 ± 1.5
					63 Hz	93.5	-0.8 ± 1.5
					125 Hz	94.2	-0.2 ± 1.0
					250 Hz	94.4	0.0 ± 1.0
					500 Hz	94.5	0.0 ± 1.0
					1 kHz	94.4	Ref.
					2 kHz	94.3	-0.2 ± 1.0
					4 kHz	93.6	-0.8 ± 1.0
					8 kHz	91.4	-3.0 (+1.5 ; -3.0)
12.5 kHz	88.1	-6.2 (+3.0 ; -6.0)					

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

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

Certificate of Calibration

校正證書

Certificate No. : C164166

證書編號

6.4 Time Averaging

UUT Setting				Applied Value					UUT	IEC 60804
Range (dB)	Mode	Frequency Weighting	Integrating Time	Freq. (kHz)	Burst Duration (ms)	Burst Duty Factor	Burst Level (dB)	Equivalent Level (dB)	Reading (dB)	Type 1 Spec. (dB)
50 - 110	LAeq	A	10 sec.	4	1		110	100	100.1	± 0.5
			60 sec.					90	89.9	± 0.5
			5 min.					80	79.6	± 1.0
								70	69.7	± 1.0

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 :

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.



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. : C163248

證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC16-1307) Date of Receipt / 收件日期 : 10 June 2016

Description / 儀器名稱 : Sound Level Calibrator
Manufacturer / 製造商 : Rion
Model No. / 型號 : NC-73
Serial No. / 編號 : 10997142
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 : 15 June 2016

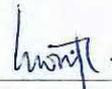
TEST RESULTS / 測試結果

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
簽發日期

17 June 2016

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

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

Sun Creation Engineering Limited - Calibration & Testing Laboratory

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輝創工程有限公司 - 校正及檢測實驗室

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Page 1 of 2

Certificate of Calibration

校正證書

Certificate No. : C163248
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	C153519
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	93.7	± 0.5	± 0.2

5.2 Frequency Accuracy

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	0.985	1 kHz $\pm 2\%$	± 1

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

Note :

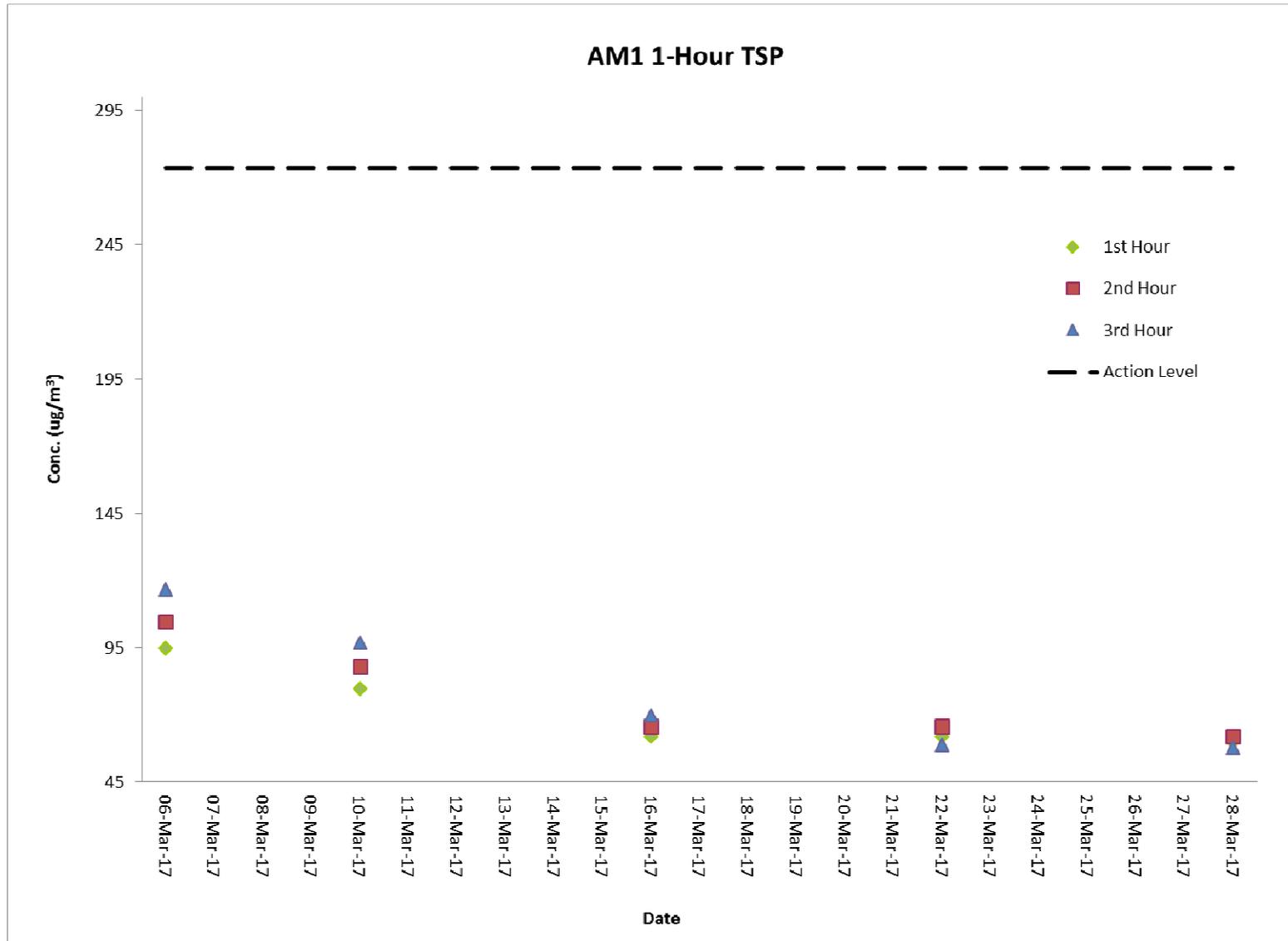
The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the 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.

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		
06-Mar-17	Cloudy	10:48 - 16:00	95	105	117	273.7	500
10-Mar-17	Cloudy	8:02 - 11:02	80	88	97	273.7	500
16-Mar-17	Cloudy	10:40 - 16:00	62	66	70	273.7	500
22-Mar-17	Cloudy	10:45 - 16:00	62	66	59	273.7	500
28-Mar-17	Sunny	11:00 - 16:00	60	62	58	273.7	500

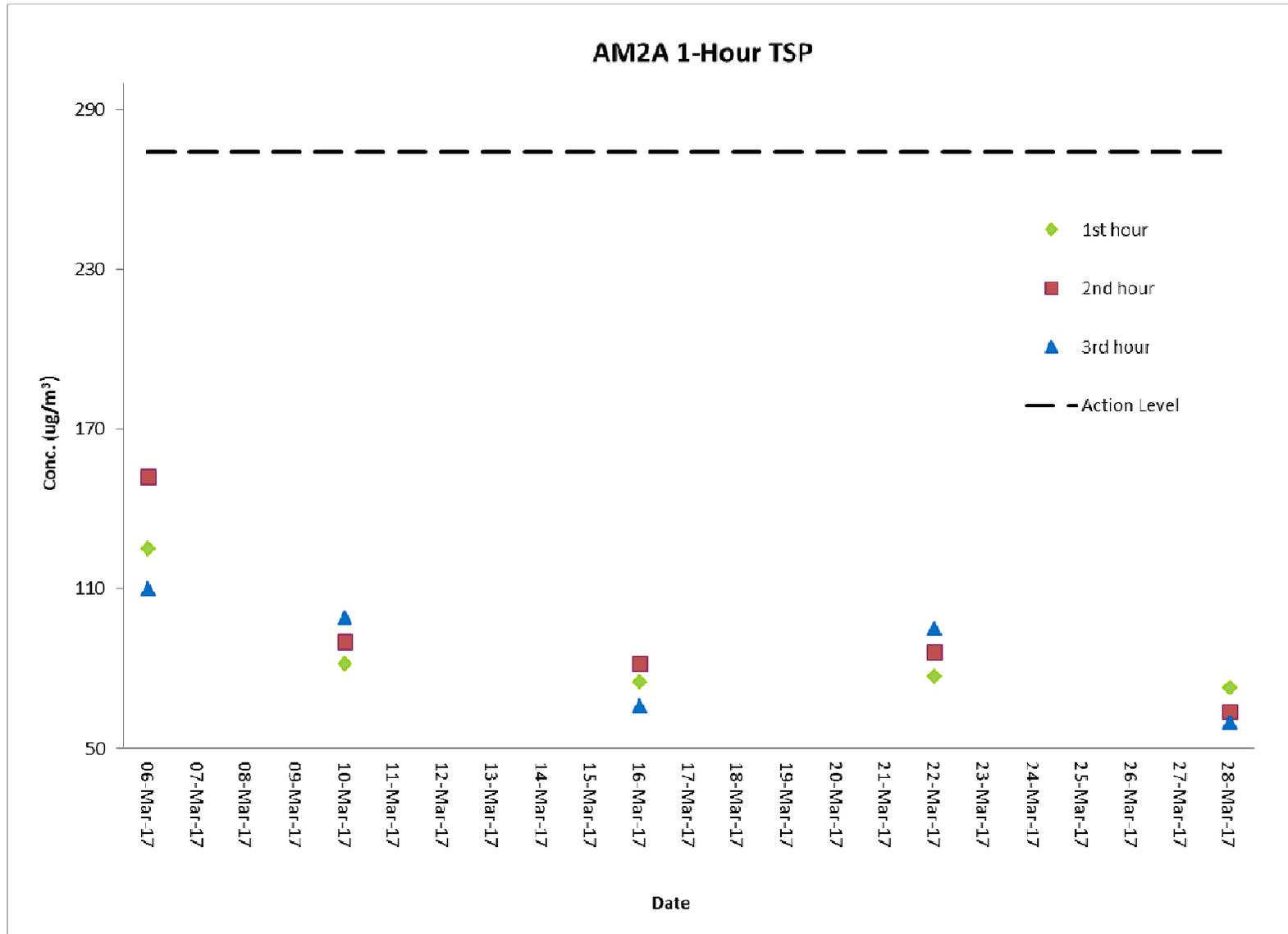
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (1-hour TSP)



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		
06-Mar-17	Cloudy	11:02 - 16:10	125	152	110	274.2	500
10-Mar-17	Cloudy	8:15 - 11:15	82	90	99	274.2	500
16-Mar-17	Cloudy	10:54 - 16:10	75	82	66	274.2	500
22-Mar-17	Cloudy	11:00 - 16:10	77	86	95	274.2	500
28-Mar-17	Sunny	11:12 - 16:10	73	64	60	274.2	500

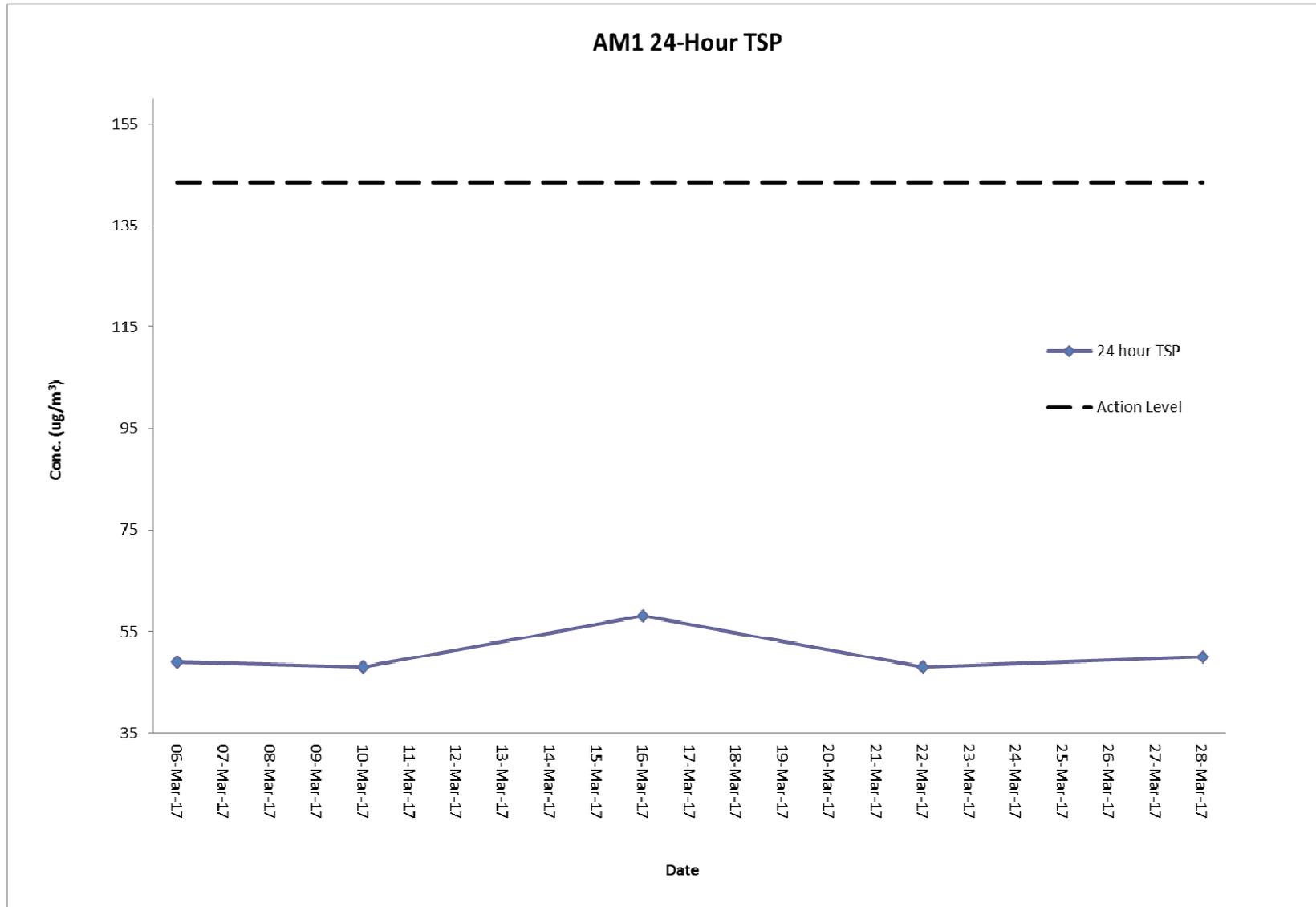
Graphical Presentation of Air Quality Monitoring Result at Station AM2A (1-hour TSP)



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

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m ³ /min)			Conc. (µg/m ³)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
06-Mar-17	10:50	07-Mar-17	10:50	2.7639	2.8495	20736.38	20760.38	24	1.22	1.22	1.22	49	Cloudy	143.6	260
10-Mar-17	08:00	11-Mar-17	08:00	2.7622	2.8464	20760.38	20784.38	24	1.22	1.22	1.22	48	Cloudy	143.6	260
16-Mar-17	10:42	17-Mar-17	10:42	2.79	2.8912	20784.38	20808.38	24	1.22	1.22	1.22	58	Cloudy	143.6	260
22-Mar-17	10:47	23-Mar-17	10:47	2.7774	2.861	20808.38	20832.38	24	1.22	1.22	1.22	48	Cloudy	143.6	260
28-Mar-17	10:48	29-Mar-17	10:48	2.7952	2.8827	20832.38	20856.38	24	1.22	1.22	1.22	50	Sunny	143.6	260

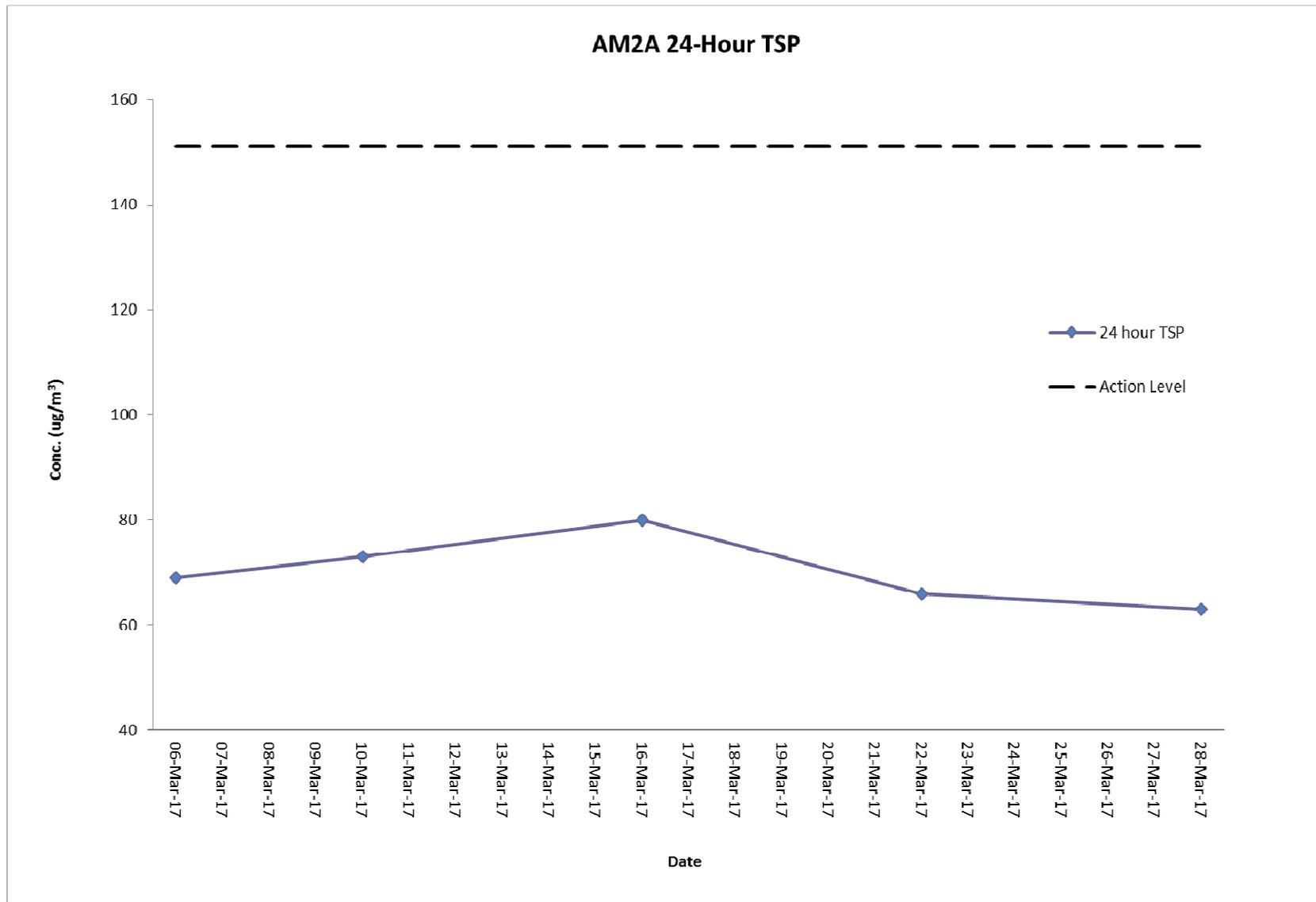
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)



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				
06-Mar-17	11:00	07-Mar-17	11:00	2.7765	2.9049	16391.59	16415.59	24	1.30	1.30	1.3	69	Cloudy	151.1	260
10-Mar-17	08:12	11-Mar-17	08:12	2.7707	2.9070	16415.59	16439.59	24	1.30	1.30	1.3	73	Cloudy	151.1	260
16-Mar-17	10:52	17-Mar-17	10:52	2.7908	2.9400	16439.59	16463.59	24	1.30	1.30	1.3	80	Cloudy	151.1	260
22-Mar-17	10:57	23-Mar-17	10:57	2.7641	2.8884	16463.59	16487.59	24	1.30	1.30	1.3	66	Cloudy	151.1	260
28-Mar-17	11:10	29-Mar-17	11:10	2.7728	2.8910	16487.59	16511.59	24	1.30	1.30	1.3	63	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)
06-Mar-17	14:00	68.0	62.7	69
06-Mar-17	14:05	69.0	63.1	
06-Mar-17	14:10	67.7	62.5	
06-Mar-17	14:15	67.9	62.4	
06-Mar-17	14:20	68.4	63.0	
06-Mar-17	14:25	68.7	62.7	
16-Mar-17	14:00	69.0	65.1	69
16-Mar-17	14:05	68.9	63.9	
16-Mar-17	14:10	68.7	64.0	
16-Mar-17	14:15	68.0	63.7	
16-Mar-17	14:20	67.7	63.4	
16-Mar-17	14:25	68.1	63.9	
22-Mar-17	14:00	67.0	63.4	68
22-Mar-17	14:05	66.7	62.4	
22-Mar-17	14:10	68.7	64.1	
22-Mar-17	14:15	67.9	63.7	
22-Mar-17	14:20	67.7	63.8	
22-Mar-17	14:25	66.8	62.9	
28-Mar-17	14:00	68.0	63.1	70
28-Mar-17	14:05	69.4	64.1	
28-Mar-17	14:10	68.3	62.7	
28-Mar-17	14:15	69.1	63.7	
28-Mar-17	14:20	68.7	62.2	
28-Mar-17	14:25	68.9	62.9	

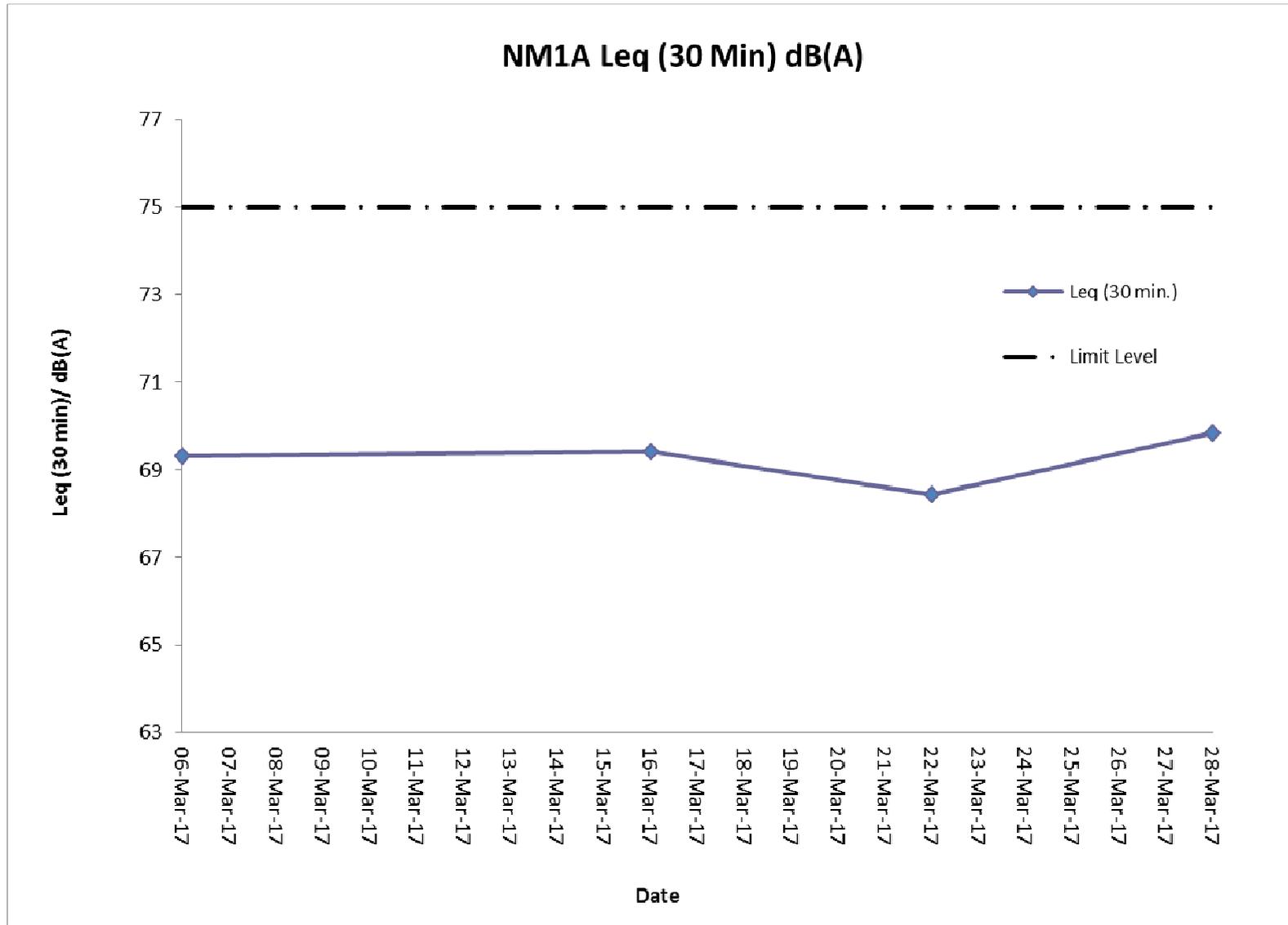
Remarks:

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



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

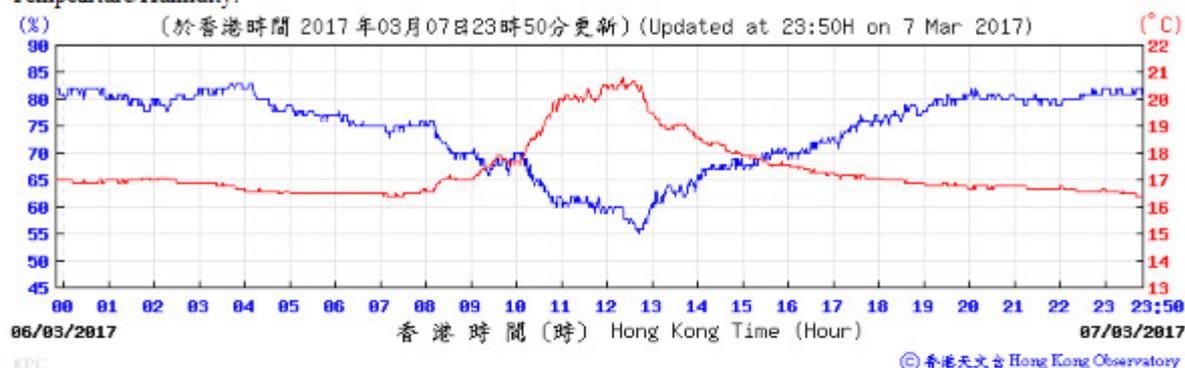
Graphical Presentation Noise Monitoring Result at Station NM1A



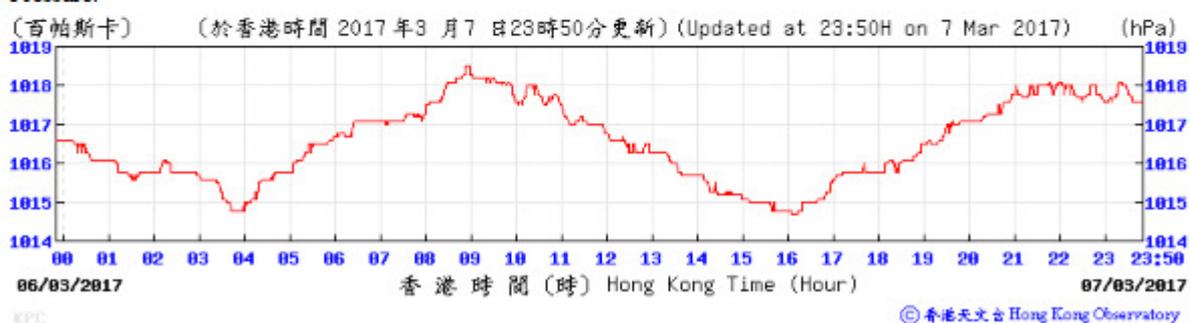
H. Meteorological Data Extracted from Hong Kong Observatory

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

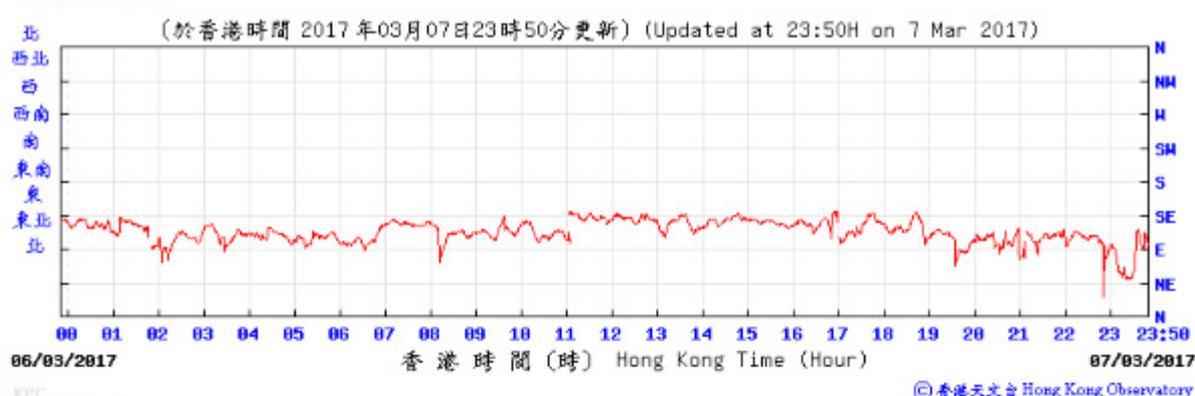
Temperature/Humidity:



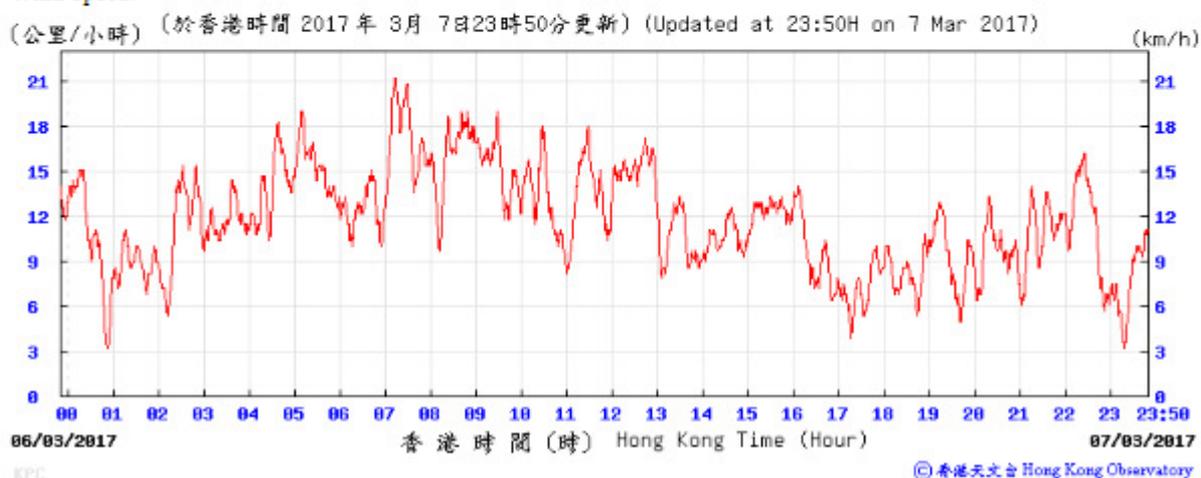
Pressure:



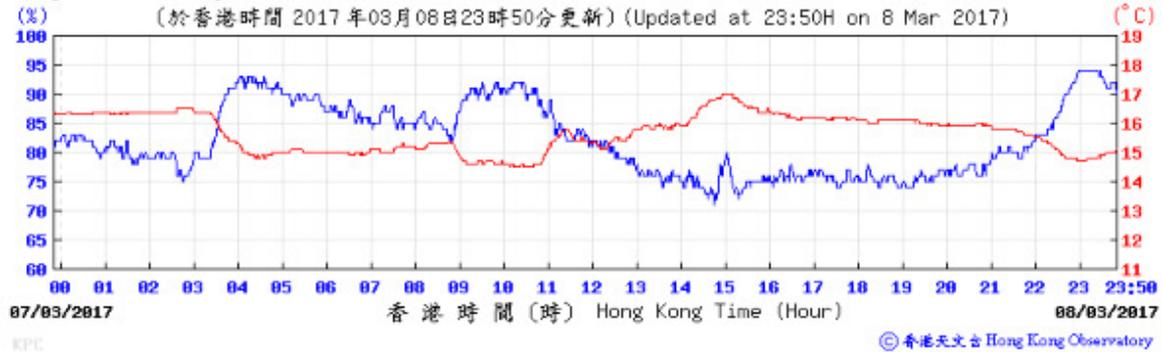
Wind Direction:



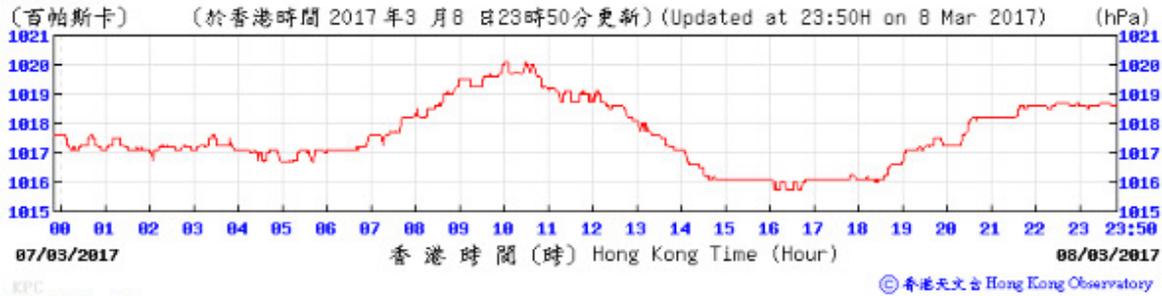
Wind Speed:



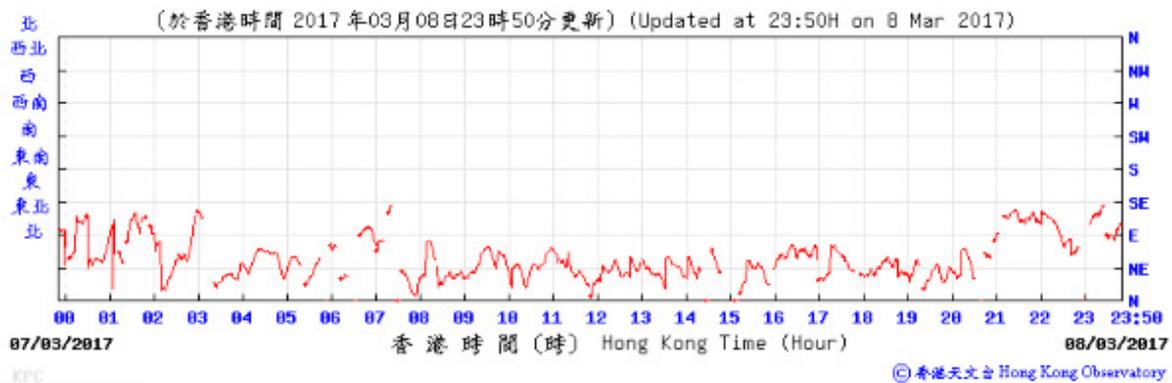
Temperature Humidity:



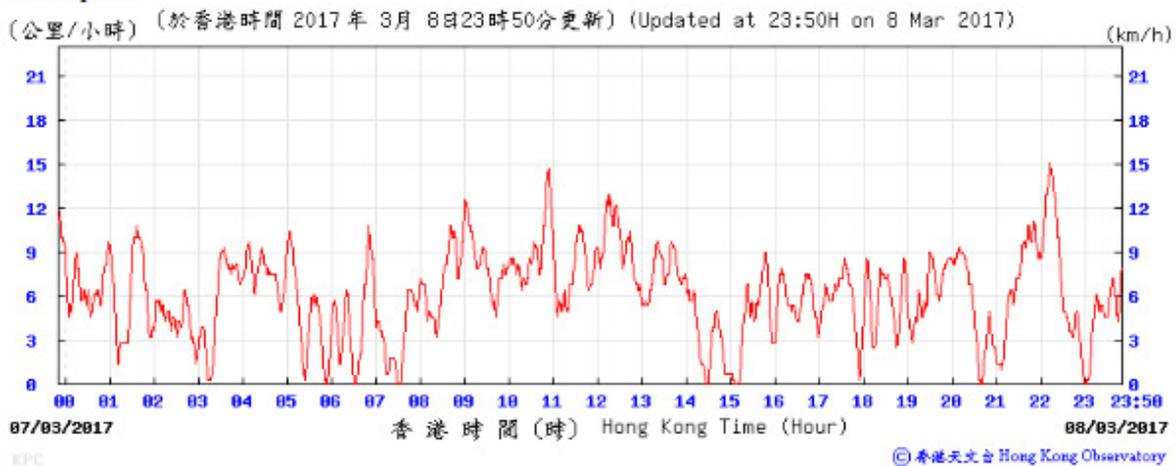
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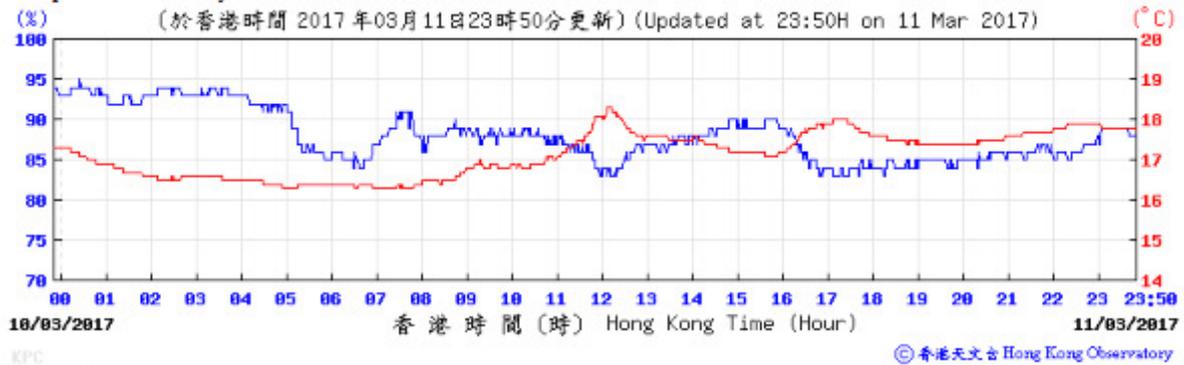
Wind Direction:



Wind Speed:



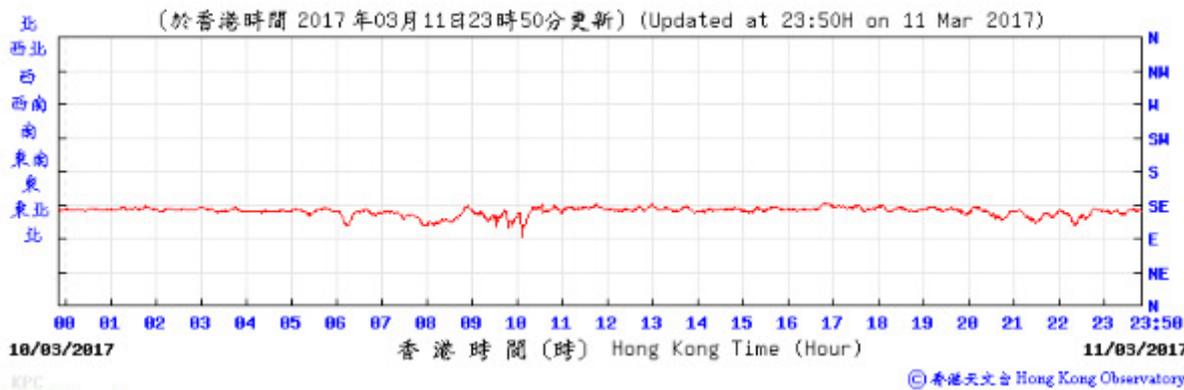
Temperature Humidity:



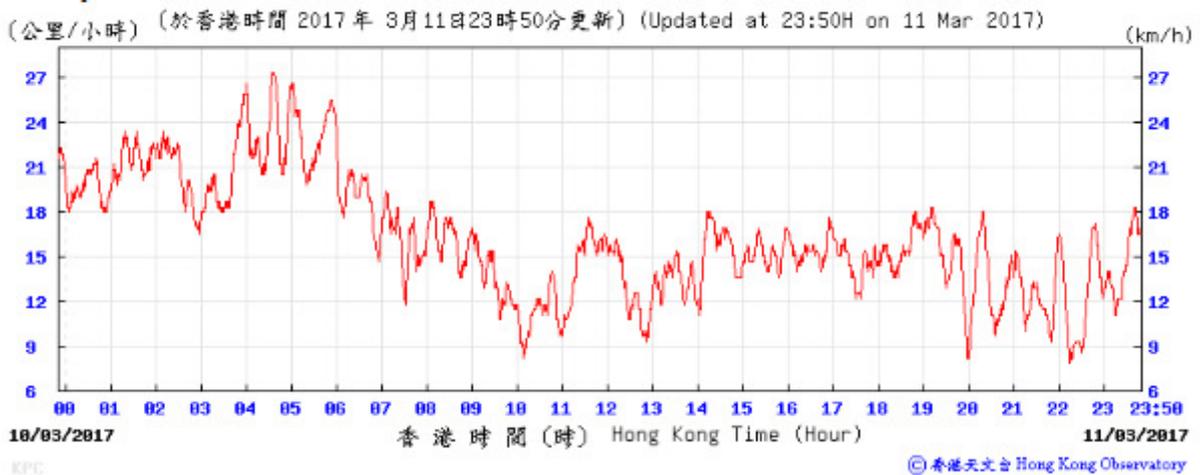
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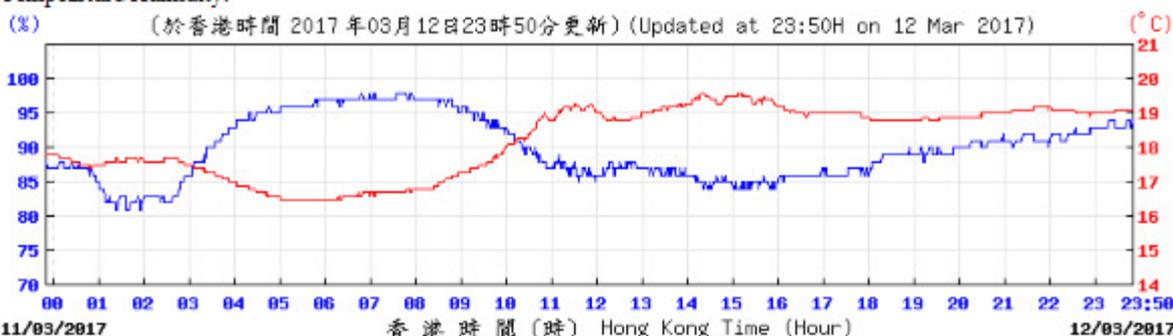
Wind Direction:



Wind Speed:

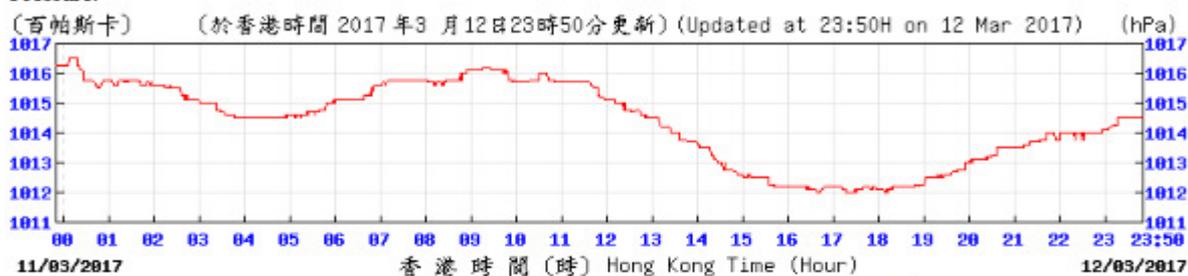


Temperature/Humidity:



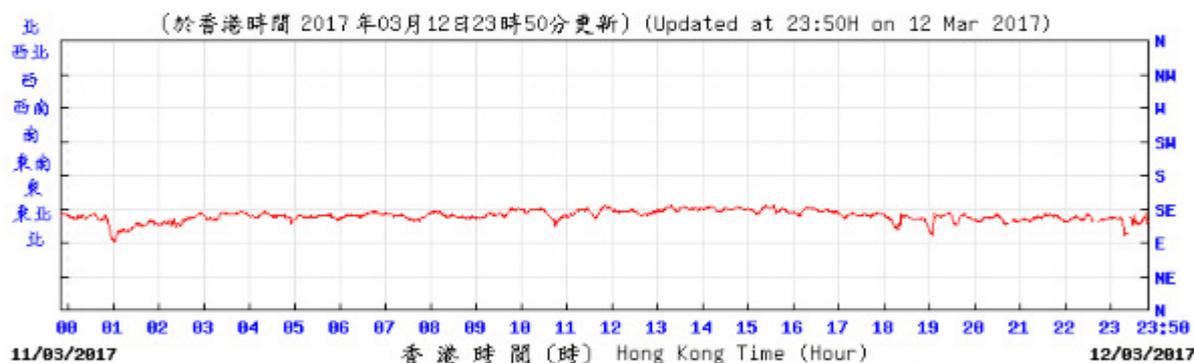
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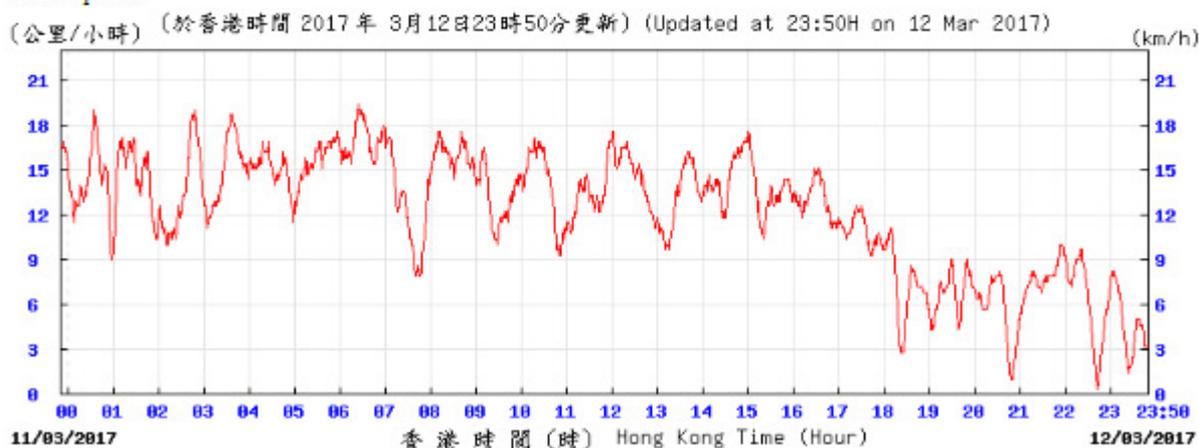
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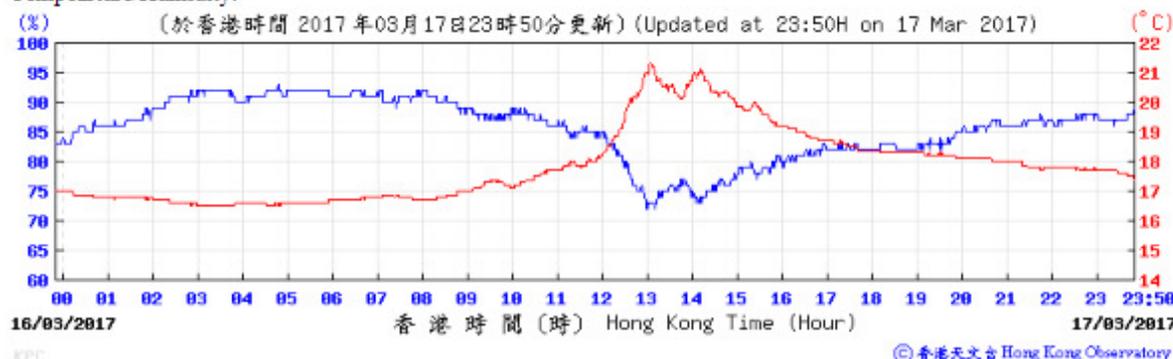
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Wind Speed:

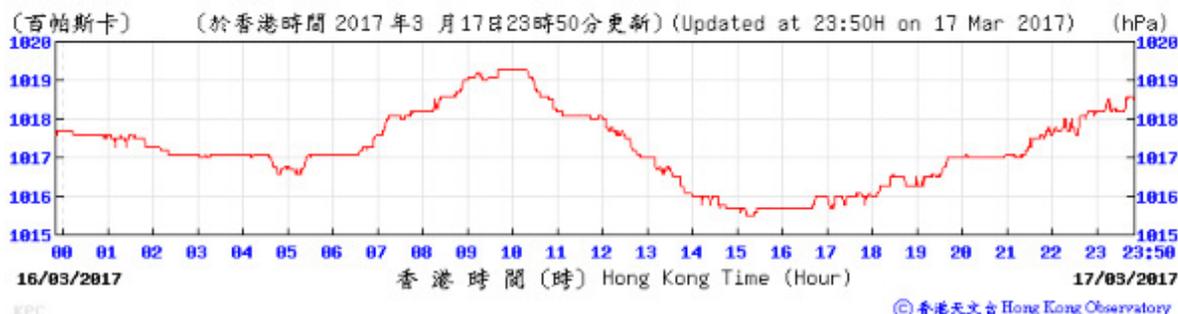


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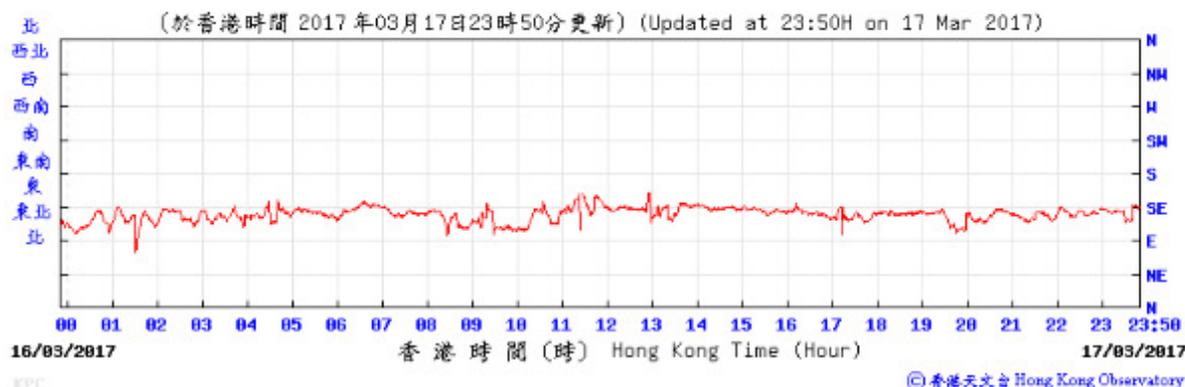
Temperature/Humidity:



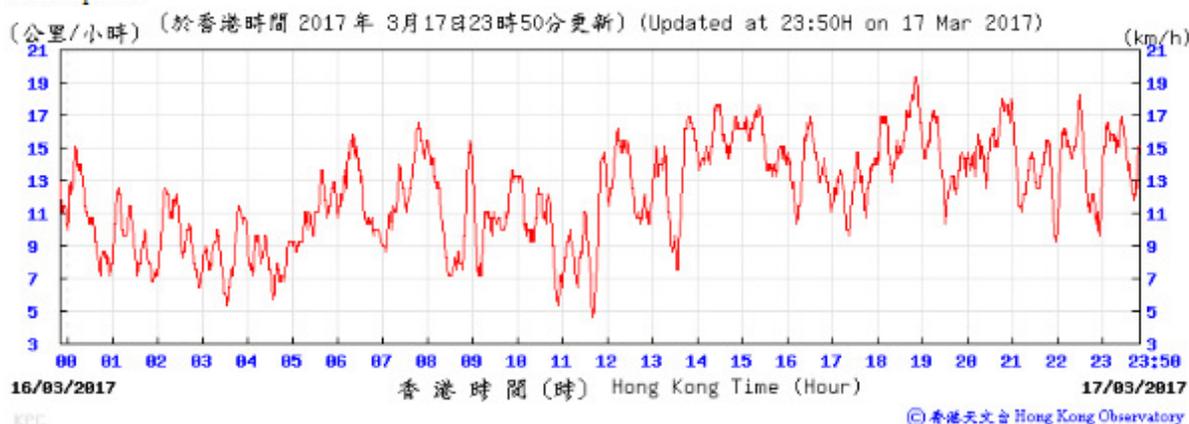
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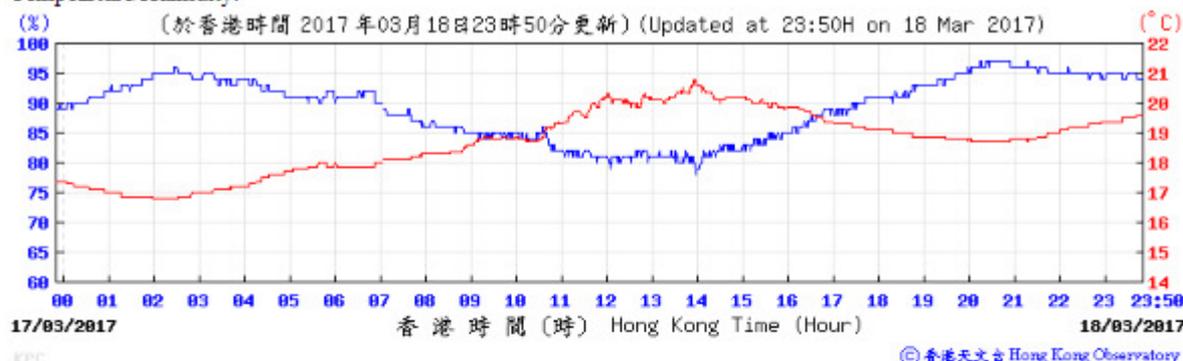
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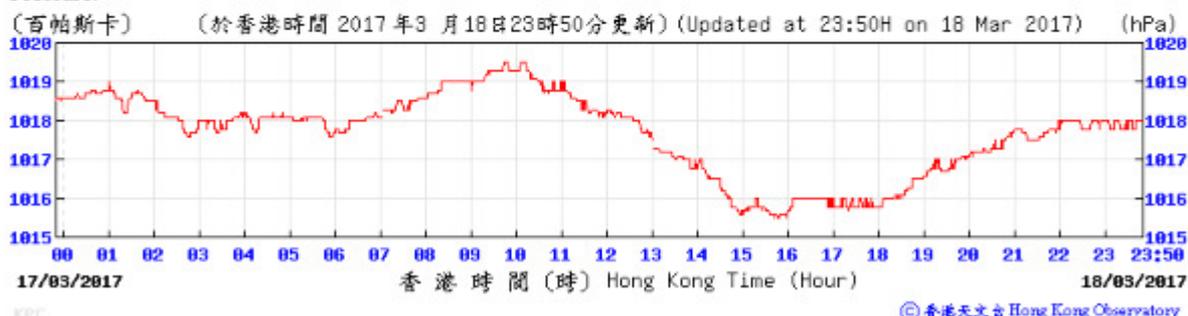
Wind Speed:



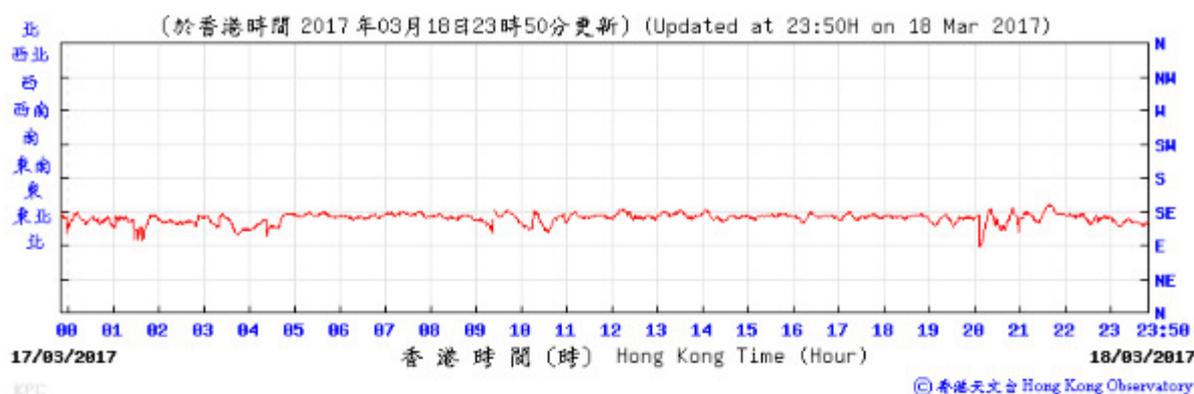
Temperature/Humidity:



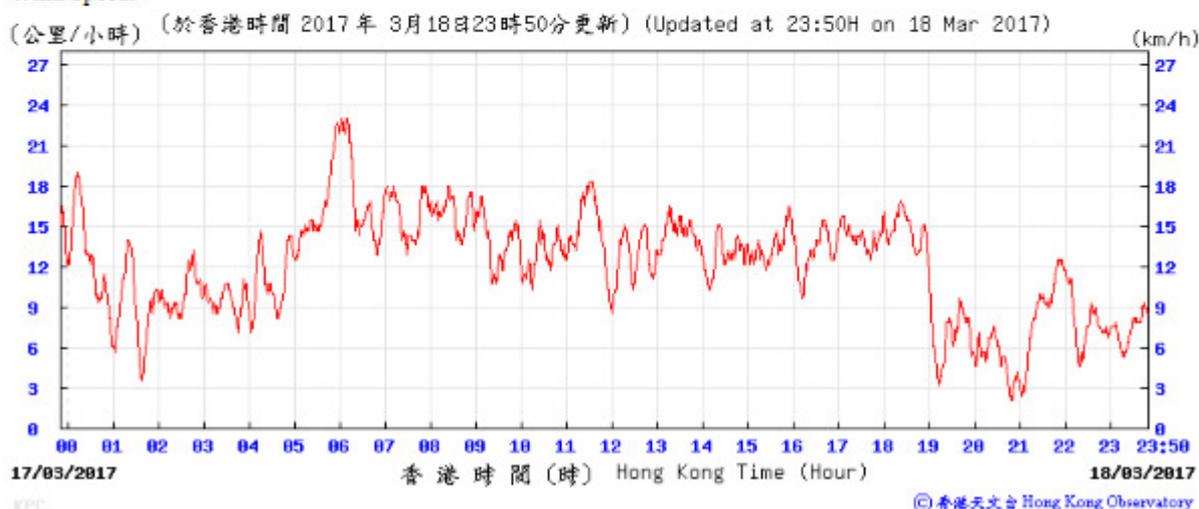
Pressure:



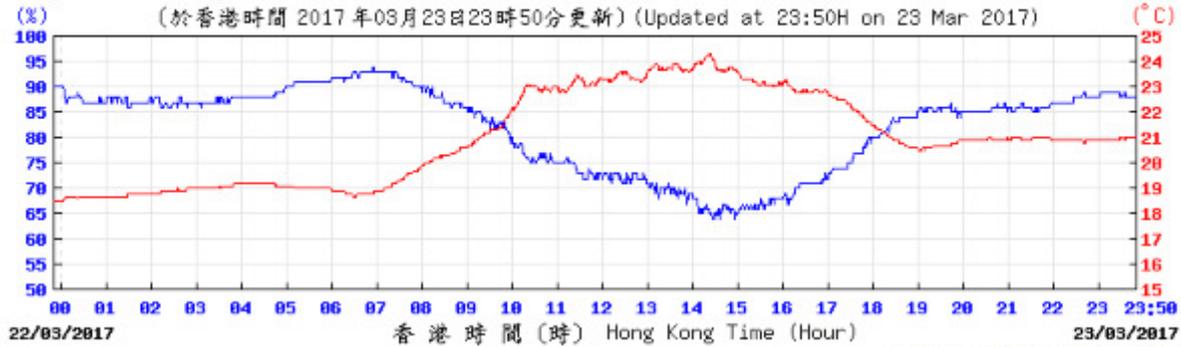
Wind Direction:



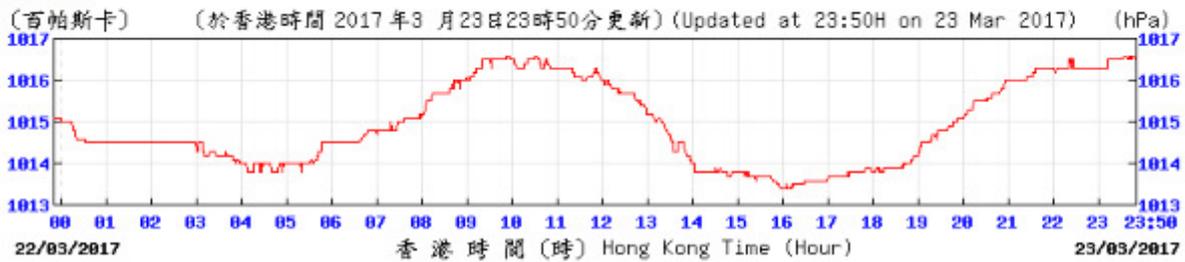
Wind Speed:



Temperature Humidity:



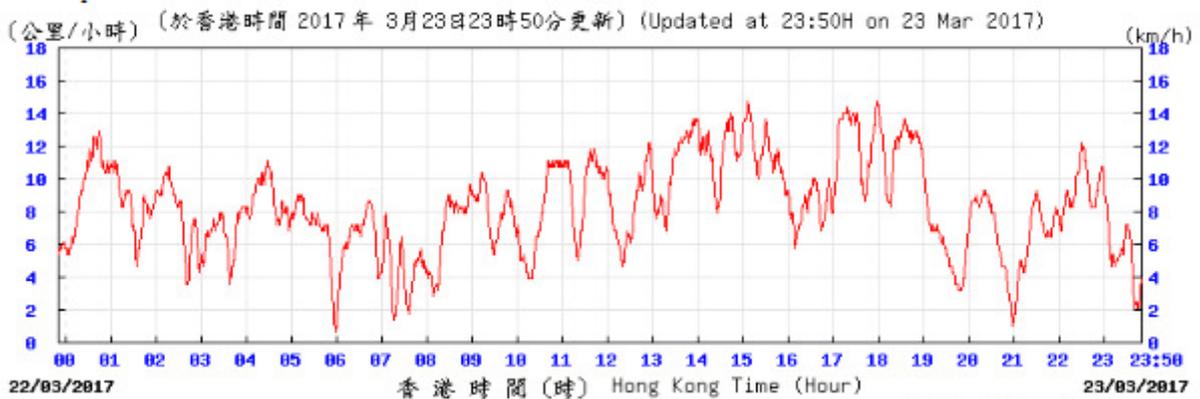
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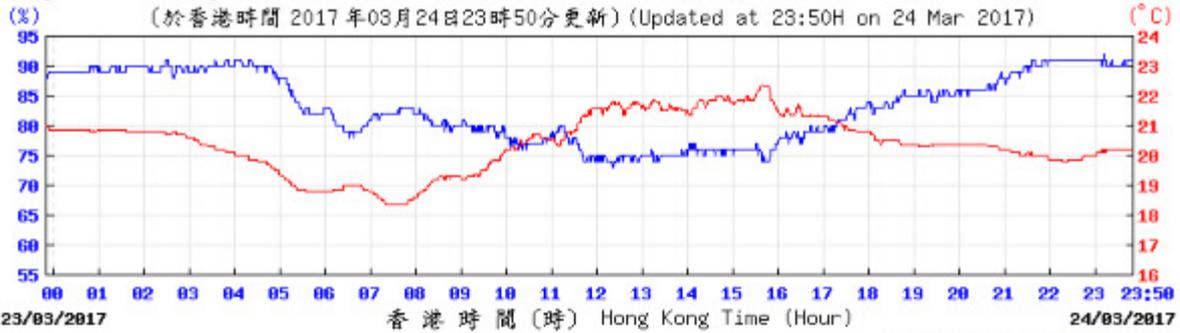
Wind Direction:



Wind Speed:

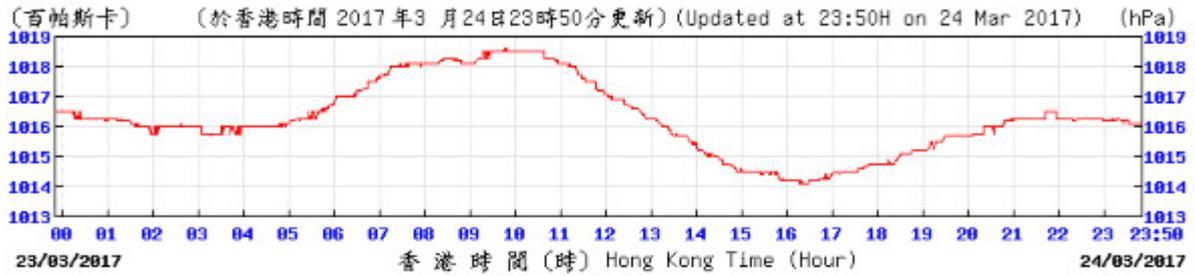


Temperature/Humidity:



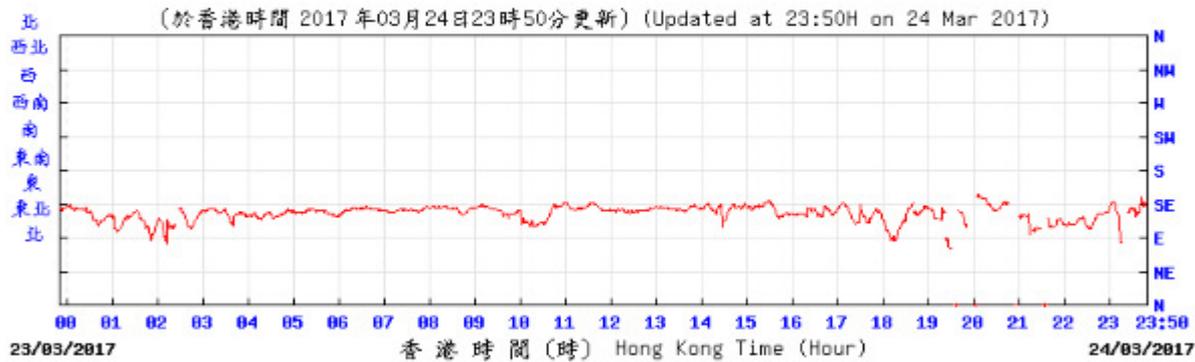
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Pressure:



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Wind Direction:



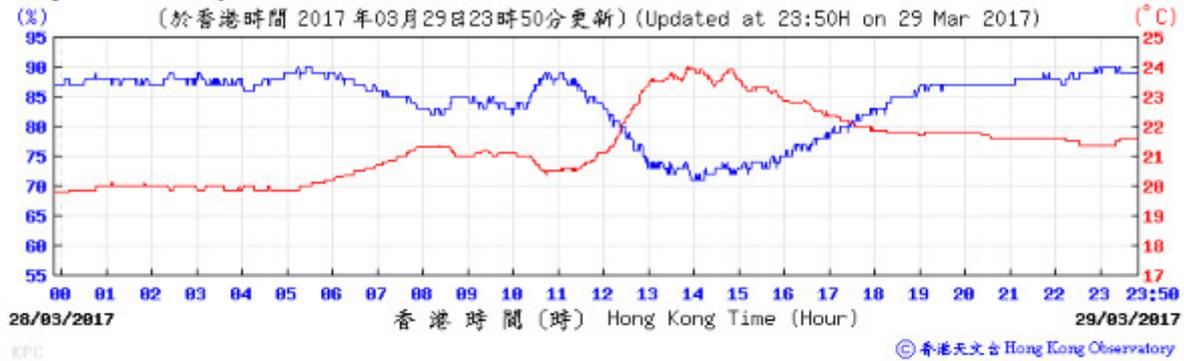
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Wind Speed:

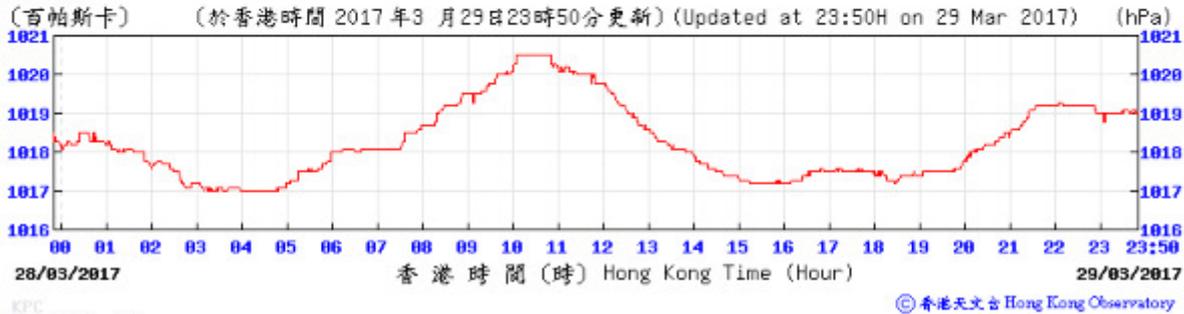


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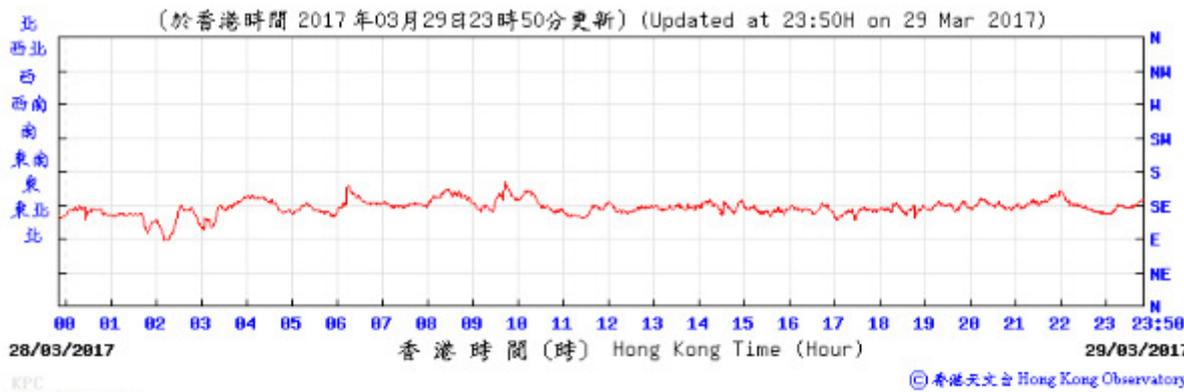
Temperature Humidity:



Pressure:



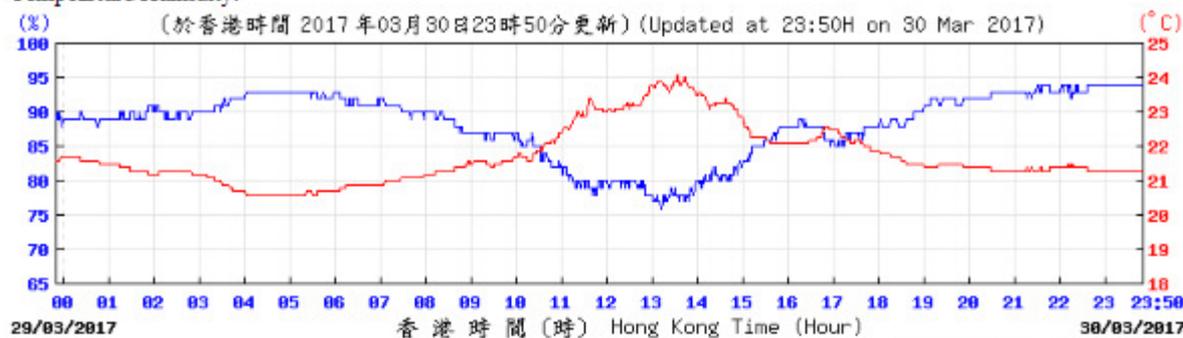
Wind Direction:



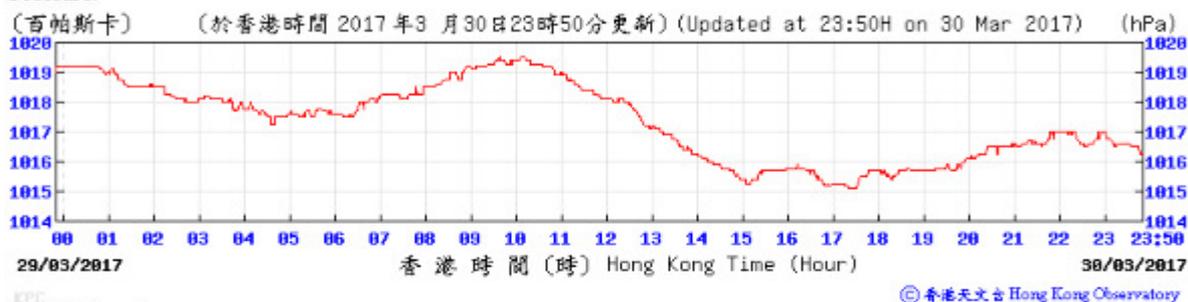
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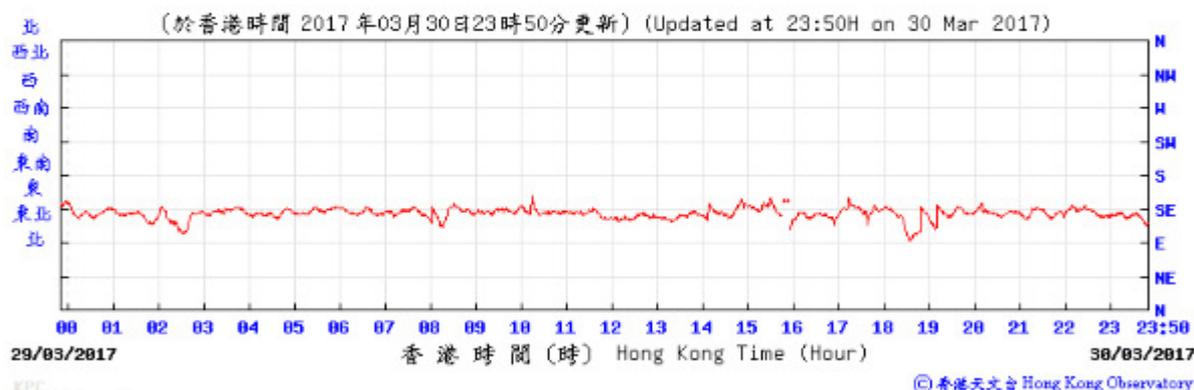
Temperature/Humidity:



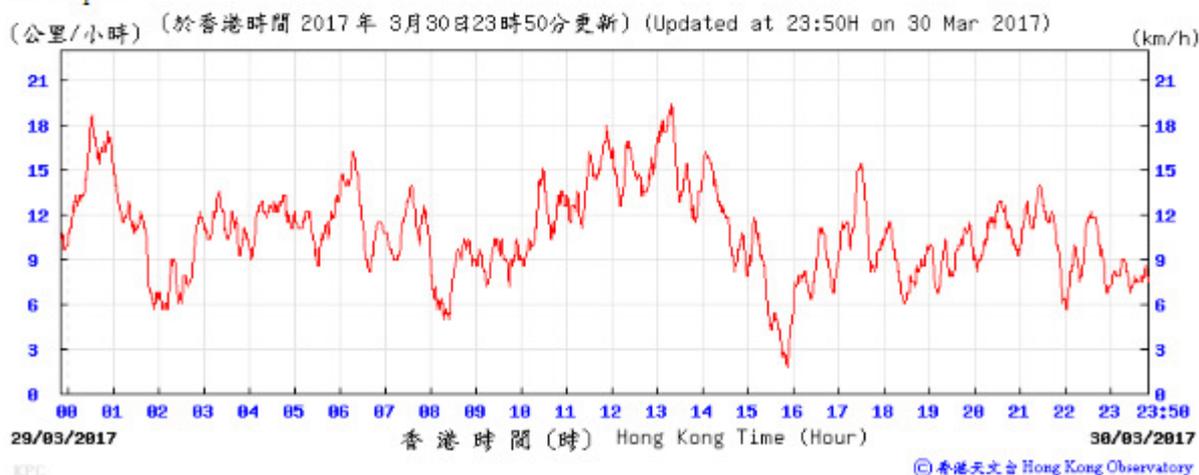
Pressure:



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	0.3	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	2.5	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	1881.3	0.0	0.0	1280.0	491.6	109.8	0.0	62.8	0.4	0.0	98.0	0.0	148.5
Apr													
Sub-total (2017)	3484.2	0.0	0.0	2480.0	855.1	149.1	0.0	212.9	2.0	0.0	252.0	0.0	309.5
Total	213878.0	0.0	25232.0	139797.4	48533.3	315.4	0.0	1130.3	4.4	0.0	652.1	1.2	1304.9

Note:

-31.6 ton, 69.38 ton and 390.6 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	37.1	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	334.7	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													
May													
Jun													
Sub-total (2017)	30077.7	0.0	0.0	0.0	30077.7	0.0	0.0	95.8	0.2	0.0	0.0	2.2	25.5
Total	141216.5	0.0	0.0	0.0	141216.5	0.0	0.0	430.6	0.6	1.5	0.0	9.7	217.1

Note:

-2719.60 ton and 8,642.13 ton of inert C&D material were disposed of as public fill to Tuen Mun Area 38 and Tseung Kwan O Area 137 respectively in the reporting month.

J. Environmental Mitigation Measures – Implementation Status

Table J-1: Environmental Mitigation Measures Implementation Status

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

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	so as to keep the dusty material wet.		
	<i>Debris Handling</i>		
	<ul style="list-style-type: none"> Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides. 	✓	✓
	<ul style="list-style-type: none"> Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped. 	✓	✓
	<i>Transport of Dusty Materials</i>		
	<ul style="list-style-type: none"> Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards. 	✓	✓
	<i>Wheel washing</i>		
	<ul style="list-style-type: none"> Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels. 	✓	✓
	<i>Use of vehicles</i>		
	<ul style="list-style-type: none"> The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site. 	✓	✓
	<ul style="list-style-type: none"> Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels. 	✓	Rem
	<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>	✓	✓
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. 	Rem/ 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.	✓	✓
3.1 & 10.4.1	Use of Noise Enclosure/ Acoustic Shed The use of noise enclosure or acoustic shed is to cover stationary PME such as air compressor and concrete pump. With the adoption of the noise enclosure, the PME could be completely screened, and noise reduction of 15 dB(A) can be achieved according to the EIAO Guidance Note No.9/2010.	N/A	N/A
3.1 & 10.4.1	Use of Noise Insulating Fabric Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, pilling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR-127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.	✓	✓
3.1 & 10.4.1	Scheduling of Construction Works outside School Examination Periods During construction phase, the contractor should liaise with the educational institutions (including NSRs LCS and CRGPS) to obtain the examination schedule and avoid the noisy construction activities during school examination periods.	N/A	N/A
Water Quality Impact (Construction)			
4.1 & 10.5.1	Construction site runoff and drainage The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended to protect water quality and sensitive uses of the coastal area, and when properly implemented should be sufficient to adequately control site discharges so as to avoid water quality impacts: <ul style="list-style-type: none"> At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the WKCDA's Contractor prior to the commencement of construction; Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the WKCDA's Contractor prior to the commencement of construction. All drainage facilities and erosion and sediment control structures should be regularly inspected and 	Rem/ Obs	✓
		✓	✓
		✓	Obs

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	maintained to ensure proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit should be regularly removed, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.		
	<ul style="list-style-type: none"> Measures should be taken to minimize the ingress of site drainage into excavations. If excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from foundation excavations should be discharged into storm drains via silt removal facilities. 	✓	✓
	<ul style="list-style-type: none"> All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facility should be provided at construction site exit where practicable. Wash-water should have sand and silt settled out and removed regularly to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains. 	✓	✓
	<ul style="list-style-type: none"> Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system. 	✓	✓
	<ul style="list-style-type: none"> Manholes (including newly constructed ones) should be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and stormwater runoff being directed into foul sewers. 	✓	✓
	<ul style="list-style-type: none"> Precautions should be taken at any time of the year when rainstorms are likely. Actions should be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC Note PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes. 	✓	✓
	<ul style="list-style-type: none"> Bentonite slurries used in piling or slurry walling should be reconditioned and reused wherever practicable. Temporary enclosed storage locations should be provided on-site for any unused bentonite that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC Note PN 1/94 should be adhered to in the handling and disposal of bentonite slurries. 	N/A	N/A
	Barging facilities and activities		
	Recommendations for good site practices during operation of the proposed barging point include:		
	<ul style="list-style-type: none"> All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; 	N/A	N/A
	<ul style="list-style-type: none"> Loading of barges and hoppers should be controlled to prevent splashing of material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of 	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	materials or polluted water during loading or transportation;		
	<ul style="list-style-type: none"> All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; and Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site. 	N/A	N/A
		N/A	N/A
4.1 & 10.5.1	Sewage effluent from construction workforce Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	✓	✓
4.1 & 10.5.1	General construction activities <ul style="list-style-type: none"> Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used. Oils and fuels should only be stored in designated areas which have pollution prevention facilities. To prevent spillage of fuels and solvents to any nearby storm water drain, all fuel tanks and storage areas should be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event. 	✓	✓
		Obs	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	Waste Reduction Measures		
	Recommendations to achieve waste reduction include:		
	• 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	✓	✓
6.1 & 10.7.1	Inert and Non-inert C&D Materials		
	In order to minimise impacts resulting from collection and transportation of inert C&D material for off-site disposal, the excavated materials should be reused on-site as fill material as far as practicable. In addition, inert C&D material generated from excavation works could be reused as fill materials in local projects that require public fill for reclamation.	✓	✓
	• The surplus inert C&D material will be disposed of at the Government's PFRFs for beneficial use by other projects in Hong Kong.	✓	✓
	• 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.	✓	✓

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. 	Rem/ 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
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	4	0	0