

Development at West Kowloon Cultural District

Monthly Environmental Monitoring and Audit (EM&A) Report for April 2018

May 2018

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

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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 including the Foundation Works (Contract No.: CC/2015/3A/014) and L1 Contract (Contract No. CC/2017/3A/030) at West Kowloon Cultural District (WKCD) (The Project) as part of the WKCD development. The Project Proponent is the West Kowloon Cultural District Authority (WKCDA). The construction works and EM&A programme for M+ Museum and Lyric Theatre Complex commenced on 31 October 2015 and 1 March 2016 respectively.

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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 Lyric Theatre Complex conducted from 1 April to 30 April 2018.

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 6, 12, 19 and 26 April for M+ Museum and 4, 11, 18, and 25 April 2018 for Lyric Theatre Complex to confirm the implementation measures undertaken by the Contractors in the reporting month. The outcomes are presented in Section 4 and the status of implementation of mitigation measures in the site is shown in **Appendix J**.

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

Record of Complaints

No environmental 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:

- M+ Main Works (Podium) construction of:
 - B1/F Columns & Walls to G/F Slab
 - G/F Columns & Walls to 1/F & 1M/F Slab

- 1/F Columns & Walls to 2/F Slab & Beam construction
- 2/F Columns & Walls 3/F Slab
- M+ Building Construction (Tower) for West Core, Middle Portion & East Core from 8/F to 14/F slab
- RDE Building Construction (Tower) for Zone A, Zone B & Zone from 2/F to 5/F
- CSF Building Construction (Tower) including Zone A & B from 4/F to 6/F slab
- External Works
 - Seawater Outfall Pipe CAI 105
 - Trench excavation / Inject Curtain Grout
 - Pipelines installation / Dewatering / Excavation
 - o DCS Chiller Pipes CAI 015
 - · Removal of stockpile materials
 - Trench excavation / Install UU supports / Drill holes, Curtain Grouting
 - Form temporary access road / traffic diversion along seawall
 - Laying down of DN375mm pipes

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

- Excavation and lateral support works at main cofferdam
- King post installation and extension;
- Erection of steel working platform;
- Bulk excavation;
- Operation of barge; and
- Construction of manhole.

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 including the Foundation Works (Contract No.: CC/2015/3A/014) and L1 Contract (Contract No. CC/2017/3A/030) at West Kowloon Cultural District (WKCD) (The Project) as part of the WKCD development. The Project Proponent is the West Kowloon Cultural District Authority (WKCDA). The construction works and EM&A programme for M+ Museum and Lyric Theatre Complex commenced on 31 October 2015 and 1 March 2016 respectively.

The overall works for the WKCD fall under two separate categories of Designated Project (DP) of the Environmental Impact Assessment Ordinance (EIAO), namely an "engineering feasibility study of urban development projects with a study area covering more than 20 ha or involving a total population of more than 100 000" (Item 3 of Schedule 3) and "an underpass more than 100m in length under the built areas" (Item A.9, Part I, Schedule 2). An Environmental Permit No. EP-453/2013/B (EP) was issued with respect to the "Underpass Road and Austin Road Flyover Serving the West Kowloon Cultural District" which specifically includes the abovementioned category of DP under Item A.9, Part I, Schedule 2 of the EIAO. The captioned projects include part of the abovementioned underpass road located within the site boundary also falls under this same category.

The M+ museum development aims to provide an iconic presence for the M+ museum, semi-transparent vertical plane, housing education facilities, a public restaurant and museum offices. At ground and lower levels, generous access will be provided to the park and other West Kowloon Cultural District facilities, alongside a public resource centre, theatres, retail and dining, and back-of-house functions.

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

The 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 Lyric Theatre Complex conducted from 1 April to 30 April 2018. The purpose of this report is to summarise the findings in the EM&A of the project over the reporting period.

1.2 Project Organisation

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

1.3 Environmental Status in the Reporting Period

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

- M+ Main Works (Podium) construction of:
 - B1/F Columns & Walls to G/F Slab

- G/F Columns & Walls to 1/F & 1M/F Slab
- 1/F Columns & Walls to 2/F Slab & Beam construction
- 2/F Columns & Walls 3/F Slab
- M+ Building Construction (Tower) for West Core, Middle Portion & East Core from 8/F to 14/F
- RDE Building Construction (Tower) for Zone A, Zone B & Zone from 2/F to 5/F
- CSF Building Construction (Tower) including Zone A & B from 4/F to 6/F slab
- External Works
 - Seawater Outfall Pipe CAI 105
 - Trench excavation / Inject Curtain Grout
 - Pipelines installation / Dewatering / Excavation
 - DCS Chiller Pipes CAI 015
 - Removal of stockpile materials
 - Trench excavation / Install UU supports / Drill holes, Curtain Grouting
 - Form temporary access road / traffic diversion along seawall
 - Laying down of DN375mm pipes

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

- Excavation and lateral support works at main cofferdam
- King post installation and extension;
- Erection of steel working platform;
- Bulk excavation;
- Operation of barge; and
- Construction of manhole.

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.: 245833 and 276015)	

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 μ m (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	L _{eq} (30 min), L ₉₀ (30 min) & L ₁₀ (30 min)	Once every week
(0700-1900 hours)		

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. 10786708)	

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 recalibration or repair of the equipment.
- During the monitoring period, the L_{eq}, L₁₀ and L₉₀ 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 mitigation measures du construction stage.	f proposed Bi-weekly uring the	ET to report Contractor's compliance	on 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.

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.

Summary of 1-hour TSP monitoring results **Table 3.1:**

Monitoring	Monitoring	ring Start	1-hour TSP (µg/m³)			Range	Action	Limit
Station	Date	Time	1st Result	2nd Result	3rd Result	(μg/m³)	Level (µg/m³)	Level (µg/m³)
	04-Apr-18	10:44	46	52	61			
	10-Apr-18	10:42	77	85	96	_	273.7	500
AM1	16-Apr-18	10:47	61	55	67	46-96		
	20-Apr-18	7:52	47	51	50			
	26-Apr-18	10:47	75	82	90			
	04-Apr-18	10:56	89	98	104			
	10-Apr-18	10:55	79	88	97	_		
AM2A	16-Apr-18	11:00	114	121	126	55-126	274.2	500
	20-Apr-18	8:04	62	59	55	_		
	26-Apr-18	11:00	78	84	93	-		

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 (µg/m3)	Range (µg/m3)	Action Level (μg/m3)	Limit Level (µg/m3)
	03-Apr-18*	08:08	47			
	04-Apr-18	10:42	50		143.6	260
AM1	10-Apr-18	10:40	35	34-50		
	16-Apr-18	10:45	39	34-50		
	20-Apr-18	07:50	39			
	26-Apr-18	10:45	34			
	04-Apr-18	10:54	103			
A N A O A	10-Apr-18	10:52	85	E4 400	151.1	260
AM2A	16-Apr-18	10:57	100	51-103		260
	20-Apr-18	08:02	51	-		

Monitoring Station	Monitoring Date	Start Time	Monitoring Results (µg/m3)	Range (µg/m3)	Action Level (µg/m3)	Limit Level (µg/m3)	
	26-Apr-18	10:57	70				

Remarks: *24-hour TSP impact monitoring at AM1 station on 29/03/2018 was suspended due to electricity issue, monitoring was rescheduled to 03/04/2018.

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))
04-Apr-18	14:00	14:30	69	
10-Apr-18	14:00	14:30	68	75
16-Apr-18	14:00	14:30	69	75
26-Apr-18	14:00	14:30	69	-

Remarks:

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 1, 8, 15, 22 and 29 April 2018. In accordance with the EM&A Manual, additional monitoring was carried out during the restricted hours on 1, 8, 15, 22 and 29 April 2018. All the Leq (5 mins) is in the range of 57-60 dB(A). Major noise source includes traffic. Construction Noise Permits for the works carried out during restricted hours were obtained and listed in **Table 4.3**.

3.4 **Landscape and Visual Impact**

Landscape and visual impact inspections were conducted as part of the weekly site inspections on 12 and 26 April 2018 for M+ Museum and 11 and 25 April 2018 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.

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

Environmental Site Inspection

4.1 **Site Inspection**

4.1.1 M+ Museum

Construction phase weekly site inspections were carried out on 6, 12, 19 and 26 April 2018. The joint site inspection with IEC, ET, ER and Contractor was held on 19 April 2018. 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	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
6 Apr 2018	Water Quality	It was observed that there were insufficient pumps provided at B2. The contractor was reminded to ensure sufficient pumps are provided at basement area and review drainage arrangement to get prepared for rainy reasons.	The contractor has provided pump to pump out the stagnant water on the ground and removed the disconnected hose.	12 Apr 2018
6 Apr 2018	Water Quality	Effluent quality of wetsep no.1 was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
12 Apr 2018	Waste Management	The contractor has provided impervious sheeting for collecting the chemical waste when work was in progress. The contractor was reminded to remove those chemical waste after completion of work.	The contractor has removed the chemical waste.	17 Apr 2018
12 Apr 2018	Water Quality	Due to change of site arrangement at Gate 1, pump for collecting wheel-washing water was temporarily removed. The contractor was reminded to provide a pump for collecting wheel-washing water at Gate 1.	The contractor has re-arranged the wheel-washing area at Gate 1 and provided pump for collecting wheel-washing water.	18 Apr 2018
12 Apr 2018	Air Quality	The working area at B2 was found dusty. The contractor was reminded to provide suppression measures for dusty construction works.	The working area at B2 was found acceptable (air quality). The contractor has reminded workers to provide dust suppression measures for dust-generating construction works.	17 Apr 2018
12 Apr 2018	Water Quality	The contractor was reminded to review the flooding prevention arrangement at B2 to prepare for rainy reasons.	The contractor has reviewed the flooding prevention arrangement at B2 and has provided pumps at various area. The contractor also has stand-by pumps in place for emergency use and would closely monitor various area.	19 Apr 2018
12 Apr 2018	Water Quality	Effluent quality of wetsep no.2 was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A

Inspection Date	Parameter	Observation / Recommendation	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
19 Apr 2018	Water Quality	A section of the bund at seafront was not in good condition. The contractor was reminded to enhance the bund to prevent overflow of site runoff.	The contractor has enhanced the bund near the seafront.	23 Apr 2018
19 Apr 2018	Water Quality	Effluent quality of wetsep no.2 was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
26 Apr 2018	Air Quality	The stockpile near Gate 3 was found without proper cover. The contractor was reminded to cover it with impervious sheeting to reduce dust impact.	Follow-up status will be provided in the next reporting month.	On-going
26 Apr 2018	Water Quality	Effluent quality of wetsep no.2 was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A

4.1.2 **Lyric Theatre Complex**

Construction phase weekly site inspections were carried out on 4, 11, 18 and 25 April 2018. The joint site inspection with IEC, ET, ER and Contractor was held on 18 April 2018. 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	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
4 Apr 2018	Water Quality	No net was observed at the new Wetsep. The Contractor was reminded to install a net at the outlet of Wetsep in order to screen the suspended object if any.	A net had been installed at the wetsep in order to screen the suspended object if any.	9 Apr 2018
4 Apr 2018	Air Quality	No NRMM label was displaced at a excavator. The Contractor was reminded to displace a correct NRMM label at the excavator.	Contractor had displaced the correct NRMM label the excavator.	9 Apr 2018
4 Apr 2018	Noise Impact	No noise emission label was observed at the hand-held breaker. The Contractor was reminded to displace a correct noise emission label at the hand-held breaker.	A noise emission label had been displaced at the hand-held breaker.	9 Apr 2018
11 Apr 2018	Water Quality	Contractor was reminded to improve wheel washing facilities at the site entrance.	Wheel washing facilities was improved at the site entrance.	13 Apr 2018
18 Apr 2018	Water Quality	Mud was accumulated at the wheel washing facilities. The Contractor was reminded to clear the mud to avoid muddy water leaked outside the site.	Contractor had cleared the mud accumulated at the wheel washing facilities to avoid muddy water discharged outside the site.	25 Apr 2018
18 Apr 2018	Water Quality	Turbid water was observed at the new Wetsep. The Contractor was reminded to clear the turbid to ensure good quality of discharge water.	Turbid at the new wetsep was cleared to ensure good quality of discharge water.	25 Apr 2018

Inspection Date	Parameter	Observation / Recommendation	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
18 Apr 2018	Waste Management	No drip tray was observed for two oil drums. The Contractor was reminded to provide suitable drip tray for the oil drums.	Contractor had provided suitable drip tray for oil drums.	25 Apr 2018
25 Apr 2018	Water Quality	Contractor was reminded to clean the accumulated water on top of cover after rain.	Contractor was cleaned the accumulated water on top of cover after rain.	30 Apr 2018

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, 65.96 tonnes, 280.00 tonnes and 2,196.43 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 252.5 tonnes of general refuse were disposed of at SENT landfill. 60.1 tonnes of metals, 0.3 tonnes of paper/cardboard packaging, 0 tonne of plastic and 50.0 tonnes of timber were collected by recycling contractors in the reporting month. 0 tonne of inert C&D materials was reused on site. 0 tonne of inert C&D materials were reused in other projects and 400.4 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, 1,628.65 tonnes and 347.60 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137 and Tuen Mun Area 38, while 7.6 tonnes of general refuse were disposed of at SENT landfill. 0 tonne of metals, 0 tonne of paper/cardboard packaging, 0 tonne of plastic and 0 tonne of timber were collected by recycling contractors in the reporting month. 0 tonne of inert C&D materials was reused on site. 8,878.0 tonnes of inert C&D materials were reused in other projects and 0 tonne of inert C&D materials were disposed to sorting facility. 0 tonne of chemical waste was collected by licensed contractors in the reporting period.

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

4.3 Status of Environmental Licenses and Permits

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

4.3.1 M+ Museum

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

Permit / License	Valid Pe	eriod	Status	Remarks		
No. / Notification / Reference No.	From To					
Chemical Waste Produc	cer Registration			_		
5213-217-H2913-45	05-Nov-15		Valid			
Billing Account Construction Waste Disposal						

Permit / License	Valid	Valid Period		Remarks	
No. / Notification / Reference No.	From To				
7023393	13-Oct-15		Account Active		
Construction Noise Per	rmit				
GW-RE0999-17	2-Jan-18	1-Apr-18	Expired on 2-Apr-18		
GW-RE0214-18	2-Apr-18	30-Sep-18	Valid		
Wastewater Discharge	License				
WT00023633-2016	4-Mar-16	31-Mar-21	Valid		
Notification under Air F	Pollution Control (Co	nstruction Dust) Reg	julation		
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	Valid	Period	Status	Remarks	
No. / Notification / Reference No.	From	То	_		
Chemical Waste Produc	cer Registration				
5213-217-G2347-39	17-Feb-16		Valid		
Billing Account Constr	uction Waste Dispos	al			
7029925	22-Jan-18		Account Active		
Construction Noise Per	mit				
GW-RE0237-18	30-Mar-18	29-Sep-18	Valid		
Wastewater Discharge	License				
WT00023648-2016	24-Jul-17	31-Mar-21	Cancelled on 6-Apr- 18		
WT-00030694-2018	6-Apr-18	30-Apr-23	Valid		
Notification under Air F	Pollution Control (Co	nstruction Dust) Reg	ulation		
429708	16-Jan-18		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

 Any chemical waste produced during construction works should be regularly and properly disposed of.

Air Quality

- Maintain high standard of housekeeping to prevent emission of fugitive dust.
- Stockpile of dusty materials should be well covered by impervious sheeting to reduce dust impact.

 Dust suppression measures, such as water spraying, should be provided to dusty construction activities.

Water Quality

- Flood prevention arrangement, such as sufficient provision of pumps, should be regularly reviewed to prepare for rainy season.
- Earth bund at seafront should be properly maintained to prevent overflow of site runoff.
- Wheel-washing area should be properly maintained to collect wheel-washing water.
- Disconnected hose should be removed off site.

4.4.2 Lyric Theatre Complex

Air Quality

 NRMM labels should be displaced properly on Non-Road Mobile Machinery which are subject to emission control of Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation.

Water Quality

- All drainage facilities and erosion and sediment control structures should be properly maintained to ensure proper and efficient operation at all times and particularly during rainstorms.
- Mud accumulated at wheel washing facility should be regularly removed.
- An adequately designed and sited wheel washing facility should be provided at construction site
 exit.
- Any stagnant water should be regularly removed after raining.

Chemical and Waste Management

Proper drip trays should be provided to all chemicals to avoid leakage of chemical waste.

Noise Impact

Noise emission label should be displaced at hand-held breakers.

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 March 2018	13 April 2018

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 recorded in the reporting month. The cumulative statistics on complaints were provided in Appendix K.

6.3 **Record on Notifications of Summons and Successful Prosecution**

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

Future Key Issues

7.1 **Construction Works for the Coming Month(s)**

7.1.1 M+ Museum

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

- M+ Main Works (Podium) construction of:
 - B1/F Columns & Walls to G/F Slab
 - G/F Columns & Walls to 1/F & 1M/F Slab
 - 1/F Columns & Walls to 2/F Slab & Beam construction
 - 2/F Columns & Walls 3/F Slab
 - M+ Building Construction (Tower) for West Core, Middle Portion & East Core from 8/F to 14/F slab
 - RDE Building Construction (Tower) for Zone A, Zone B & Zone from 2/F to 5/F
 - CSF Building Construction (Tower) including Zone A & B from 4/F to 6/F slab
 - **External Works**
 - Seawater Outfall Pipe CAI 105
 - Trench excavation / Inject Curtain Grout
 - Pipelines installation / Dewatering / Excavation
 - DCS Chiller Pipes CAI 015
 - · Removal of stockpile materials
 - Trench excavation / Install UU supports / Drill holes, Curtain Grouting
 - Form temporary access road / traffic diversion along seawall
 - Laying down of DN375mm pipes

Lyric Theatre Complex

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

- Excavation and lateral support works at main cofferdam;
- King post installation and extension;
- Erection of steel working platform;
- Bulk excavation;
- Operation of barge; and
- Construction of manhole.

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 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.

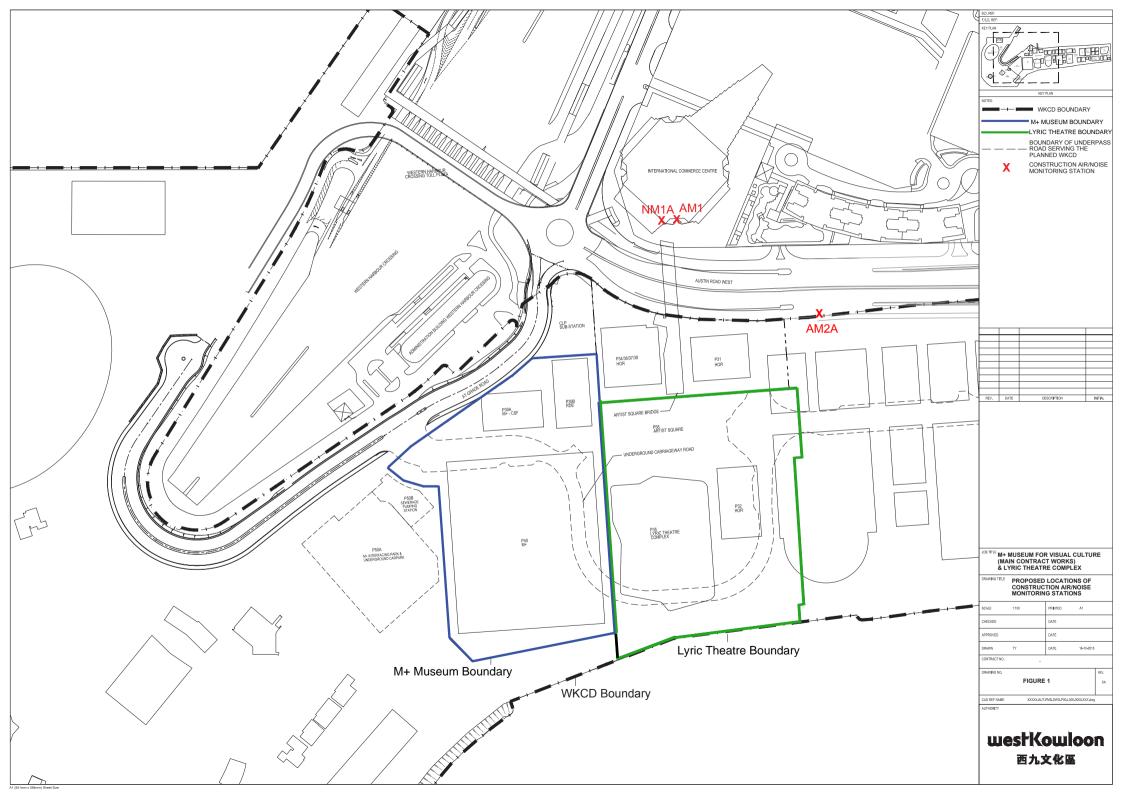
No environmental complaint, notifications of summons or successful prosecution were received during the reporting month.

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

8.2 Recommendations

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

Figure 1 Site Layout Plan and Monitoring Stations



Appendices

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

A. Project Organisation

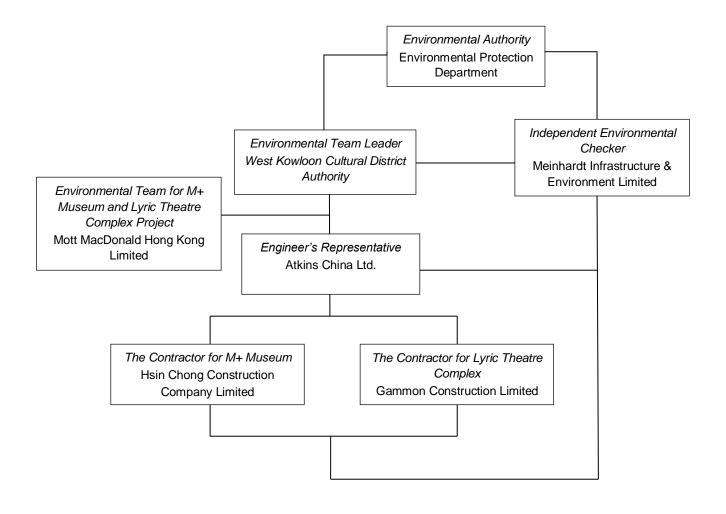
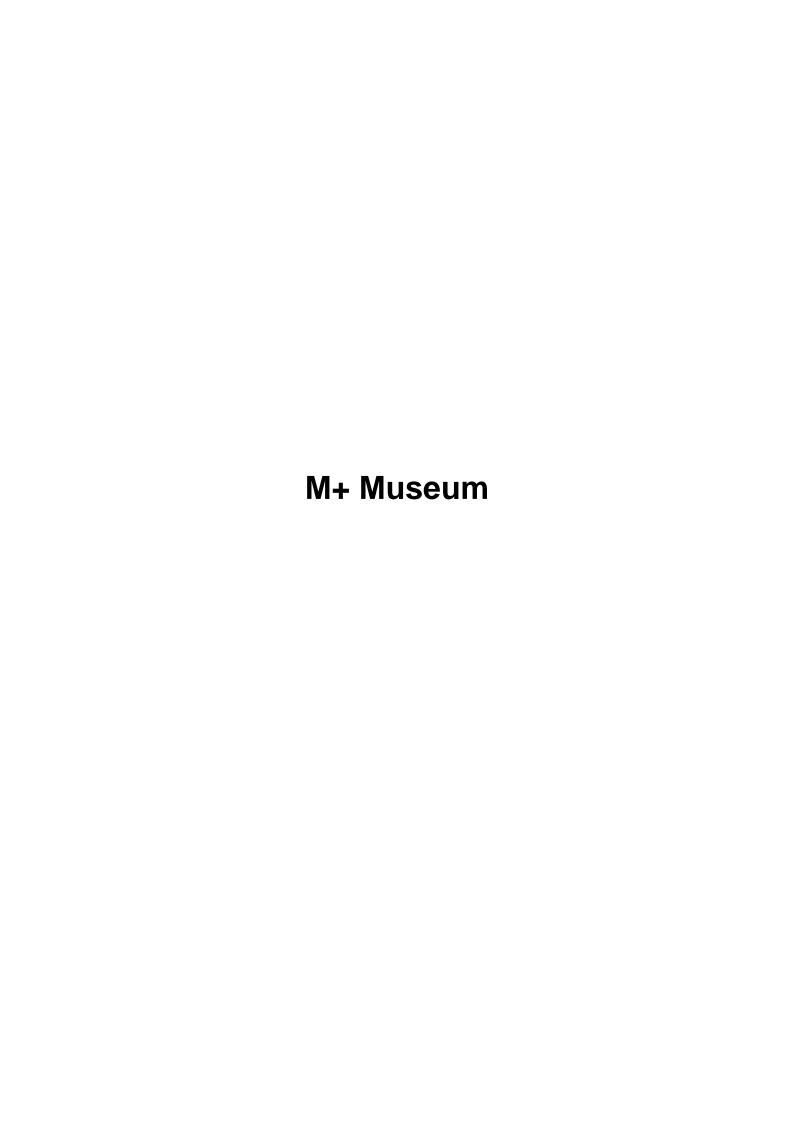


Table A-1: Contact information

Role	Name	Telephone
Assistant Resident Engineer	Ms. Gloria Lui	5506 6361
Independent Environmental Checker	Mr. Fredrick Leong	2859 1739
Environmental Manager	Mr. Andy Leung	9016 2503
Environmental Manager	Ms. Michelle Tang	9267 8866
Contractor's Environmental Team Leader	Mr Brandon Wong	2828 5875
Senior Environmental Specialist	Mr. Brian Tam	2200 0059
	Assistant Resident Engineer Independent Environmental Checker Environmental Manager Environmental Manager Contractor's Environmental Team Leader Senior Environmental	Assistant Resident Engineer Ms. Gloria Lui Independent Environmental Mr. Fredrick Leong Checker Environmental Manager Mr. Andy Leung Environmental Manager Ms. Michelle Tang Contractor's Environmental Team Leader Senior Environmental Mr. Brian Tam

B. Tentative Construction Programme

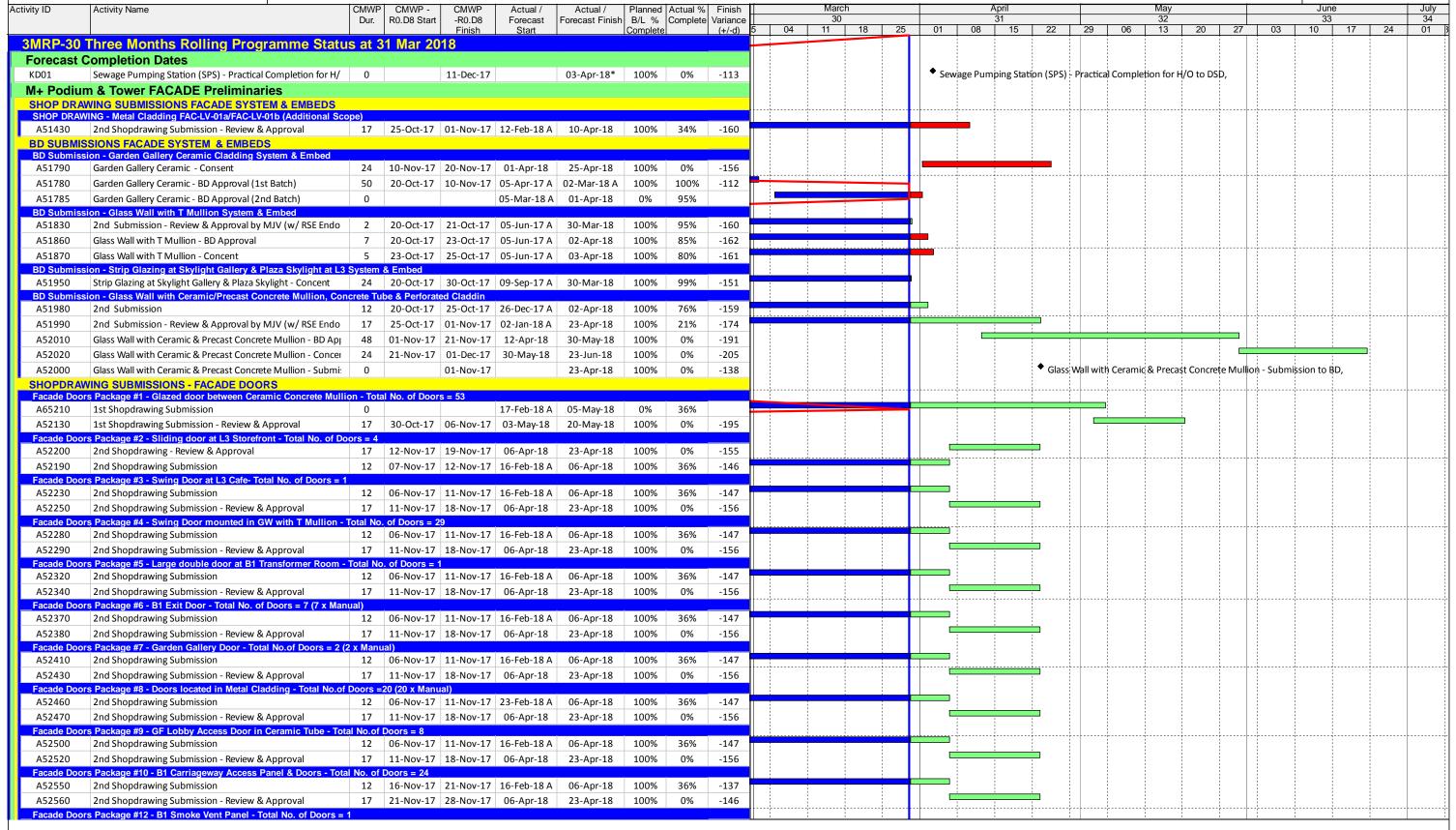


Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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Remaining Level of Effort

Actual Level of Effort

Actual Level of Effort

Milestone

Milestone

Critical Milestone

Actual Work

Remaining Work

Critical Remaining Work

West Kowloon Cultural District Authority

I+ Contractor's Main Works Programm

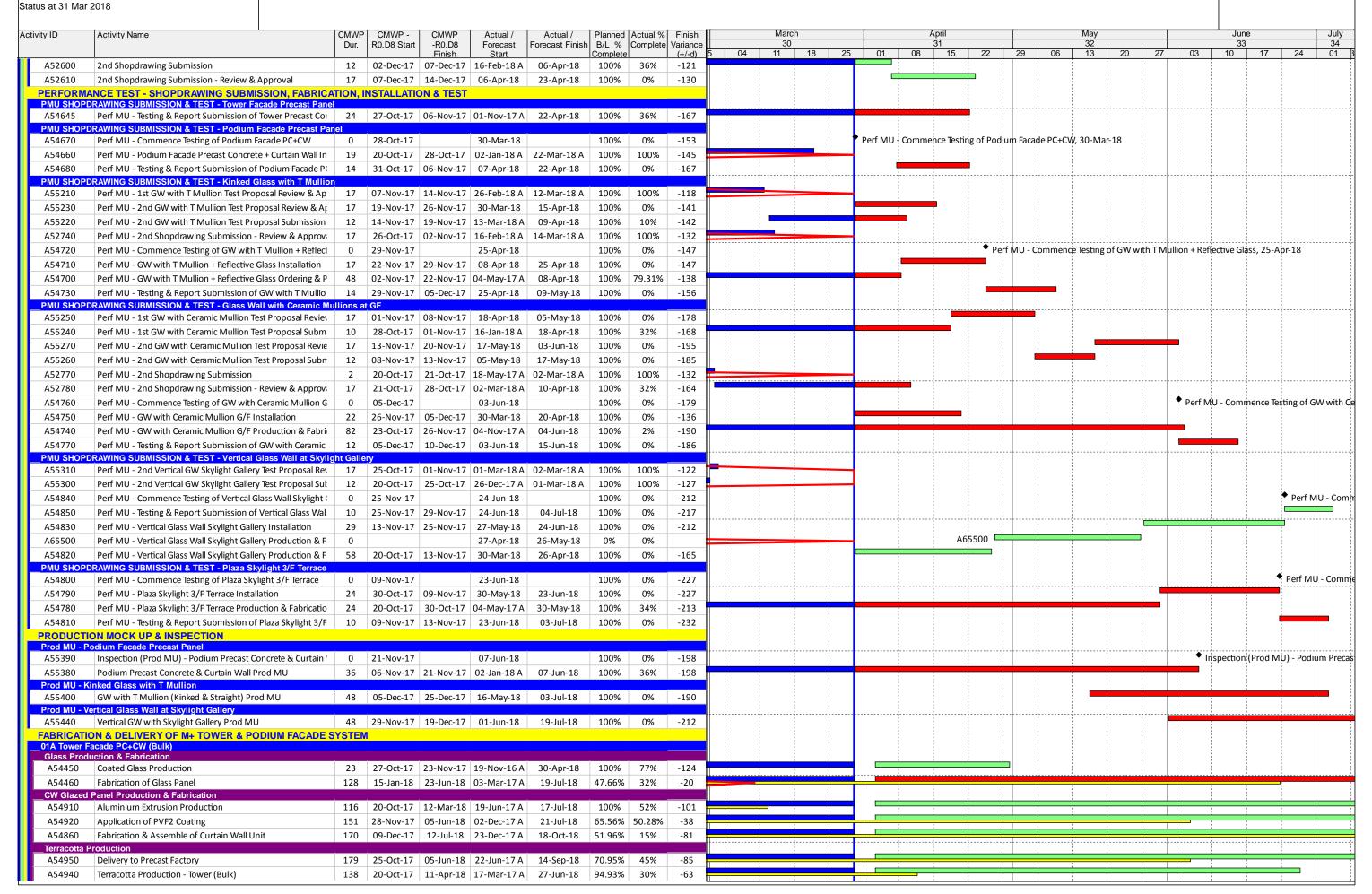
M+ Contractor's Main Works Programme CMWP - (Rev. 0 - Draft 8)



Date	Revision	Checked	Approved
31-Oct-17	3MRP-M25_31 Oct 17	Sam T	Chris Chau / Ricky Lau
31-Dec-17	3MRP-M27_31 Dec 17	Robby Y.	Chris Chau / Ricky Lau
30-Jan-18	3MRP-M28_30 Jan 18	Robby Y.	Chris Chau / Ricky Lau
28-Feb-18	3MRP-Mth29_28 Feb 18	Robby Y	Chris Chau / Ricky Lau
31-Mar-18	3MRP-Mth30_31 Mar 18	Robby Y.	Chris Chau / Ricky Lau

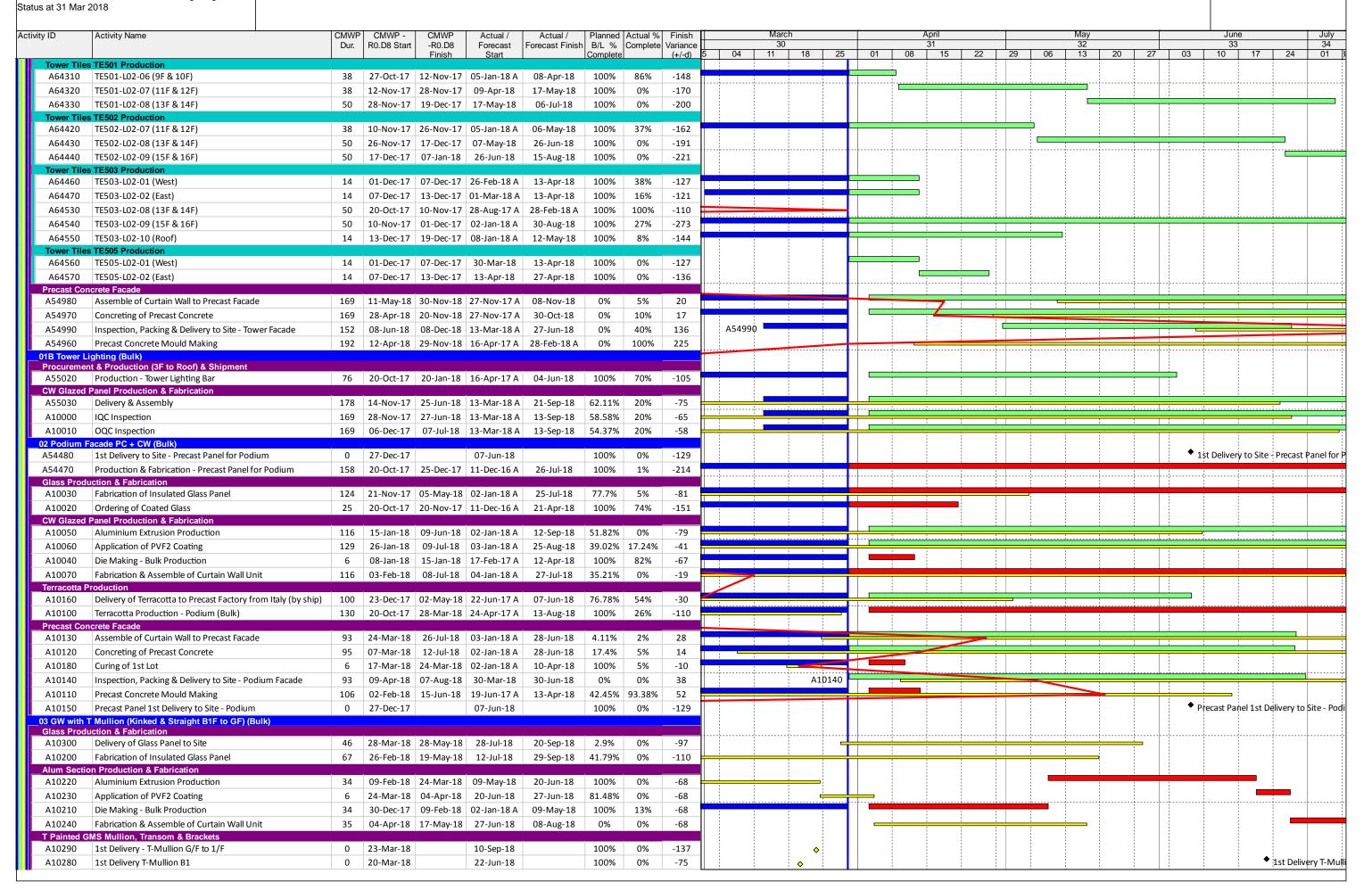
Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme



Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme



Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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vity ID	Activity Namo	CNAVAD	CMM/P CMM/P	A atual /	A of upl /	Diamari	Actual 0/	Finish	March		April	T .	Mav		June	
vity ID	Activity Name	CMWP Dur.	CMWP - CMWP R0.D8 Start -R0.D8	Actual / Forecast	Actual / Forecast Finis		Actual % Complete		30		31		32		33	
			Finish	Start		Complete	<u>'</u>	(+/-d)	5 04 11 18 25	01 08	15 22	29	06 13 20	27 03	10 17 2	24 (
A10250	GMS Fabrication	109	,		14-Aug-18	61.98%	0%	-69		1	1 1	1 1	1 1			
A10270	Packing & Delivery	81	13-Mar-18 23-Jun-18	15-Jun-18	20-Sep-18	17.56%	0%	-75			<u> </u>					
A10260	Painting	88	13-Feb-18 06-Jun-18	03-Apr-18	19-Jul-18	40.4%	0%	-36		1	1 1	1 1	1 1	1 1:		
_	PC Mullion at 2F Courtyard (Bulk)	0	20 1 10	02 4 - 10		1000/	00/	62		♦ 1 at Dalimanut	- Cit- CALith I	00 00 00 00	2F Courtyard, 02-Apr-			
A54530	1st Delivery to Site - GW with PC Mullion at 2F Courtyard		30-Jan-18	02-Apr-18	00.6 10	100%	0%	-62		1St Delivery t	o;site - Gvv, with F	oc Mullion at	ZF Courtyard, 02-Apr-	.0[<u>ll</u>	
A54520	Production & Fabrication - GW with PC Mullion at 2F Courty uction & Fabrication	120	11-Dec-17 30-Jan-18	02-Jan-18 A	09-Sep-18	100%	9%	-223								
Glass Prod A10450	1st Delivery to Site - Glass Panel	0	12-Apr-18	09-Sep-18		0%	0%	-150								
A10310	Coated Glass Production	63	30-Dec-17 18-Mar-18	· ·	26-May-18		9%	-69		·	: :			-		
A10330	Delivery of Glass Panel to Site	2	12-Apr-18 13-Apr-18		16-Jun-18	0%	0%	-63							_	
A10320	Fabrication of Insulated Glass Panel		19-Mar-18 11-Apr-18					-64								
	e Production & Fabrication	13	15 Widi 10 11 Apr 10	20 Way 10	14 Juli 10	45.0170	070	04								
A10350	Aluminium Extrusion Production	36	20-Dec-17 04-Jan-18	02-Jan-18 A	06-Jul-18	100%	7%	-183			1 1	1		+ + + + + + + + + + + + + + + + + + + +	++++	
A10340	Die Making - Bulk Production	48	11-Dec-17 31-Dec-17	02-Jan-18 A	12-Jul-18	100%	26%	-194		-	1 1	1 1	1 1	1 1	1 1	$\overline{}$
Precast Co	ncrete Facde															
A10410	1st Delivery to Site - Precast Concrete	0	07-Apr-18	21-Nov-18		0%	0%	-188		♦						
A10380	Concreting of Precast Concrete	45	29-Jan-18 24-Mar-18	01-Sep-18	27-Oct-18	100%	0%	-175								
A10390	Curing	7	26-Mar-18 06-Apr-18	27-Oct-18	05-Nov-18	57.14%	0%	-175	_							
A10400	Delivery of Precast Concrete to Site	13	07-Apr-18 21-Apr-18	05-Nov-18	20-Nov-18	0%	0%	-175								
04B GW with	Ceramic Mullion (GF & 1F) (Bulk)															
A54570	1st Delivery to Site - GW with Ceramic Mullion - South	0	29-May-18	06-Nov-18		0%	0%	-160						♦		
A54540	Production & Fabrication - GW with Ceramic Mullion (GF & 1	173	20-Oct-17 31-Dec-17	02-Jan-18 A	17-Sep-18	100%	22%	-261								
	uction & Fabrication	1		1				1								
A10460	Coated Glass Production		20-Oct-17 10-Jan-18				9%	-132								
A10470	Fabrication of Insulated Glass Panel	110	11-Jan-18 29-May-18	26-Jun-18	06-Nov-18	58.18%	0%	-132								
Alum Fram A10490	e Production & Fabrication Aluminium Extrusion Production	34	06-Jan-18 15-Feb-18	27 Nov-17 A	16 May 18	100%	7%	-68								
A10490	Application of PVF2 Coating	6	15-Feb-18 26-Feb-18		10-May-18		7.01%	-33								
					†					- :	1 1					
A10480	Die Making - Bulk Production		28-Nov-17 06-Jan-18				25%	-92								
A10510 Terracotta	Fabrication of Aluminium Frame to Site	33	26-Feb-18 10-Apr-18	10-Apr-18	19-May-18	82.15%	0%	-33								
A10570	Application of PVF2 Coating	67	09-Feb-18 08-May-18	03-Apr-18	23-Jun-18	58.04%	0%	-39			1 1	1 1	1 1	1 1		
A10550	Die Making - Bulk Production	40	09-Nov-17 27-Dec-17				50%	-97				<u> </u>				
A10560	Terracotta Production (Bulk)		13-Jan-18 10-Apr-18		· ·			-66			<u> </u>	1 1		<u> </u>		
	ncrete Facade Die Making	07	15 Juli 10 10 /tpi 10	02 Juli 1071	25 Juli 16	31.2170	370	00								
A10590	Aluminium Extrusion Production	87	28-Feb-18 16-Jun-18	02-Jan-18 A	16-Jul-18	28.99%	3%	-23		!				! !		
A10600	Curing of 1st Lot	5	06-Mar-18 12-Mar-18	27-Apr-18	04-May-18	100%	0%	-41	0600 ——							
A10580	Precast Concrete Mould Making	24	27-Jan-18 28-Feb-18	02-Jan-18 A	27-Apr-18	100%	15%	-46			1 1					
Precast Co	ncrete Facde															
A10630	1st Delivery to Site - South	0	29-May-18	06-Nov-18		0%	0%	-160			<u> </u>			♦		
A10520	Assemble of Alum Section to Precast Mullion	87	30-May-18 10-Sep-18	02-Jan-18 A	13-Jul-18	0%	5%	50						<u> </u>	1 1	
A10530	Delivery of Precast Concrete to Site	112	11-Jun-18 25-Oct-18	03-Apr-18	16-Aug-18	0%	0%	57						•		-
	Concrete Tubes & Perforated Cladding (Bulk)			1	1										A	
A54610	1st Delivery to Site - Ceramic Concrete Tubes & Perforated C		26-Feb-18	20-Jun-18		100%	0%	-114							◆ 1st De	elivery to
A54600	Production & Fabrication - Ceramic Concrete Tubes & Perfor	185	20-Oct-17 05-Jan-18	02-Jan-18 A	24-Oct-18	100%	5%	-293								
_	e Production & Fabrication	0	24 May 19	, i	09 Can 19	00/	09/	107								
A54590	05 Ceramic Concrete Tubes & Perforated Cladding (Bulk) Fin	0	24-May-18		08-Sep-18	0%	0%	-107						,		
A10650	Aluminium Extrusion Production	45	22-Jan-18 19-Mar-18		25-May-18		6%	-52	110550							
A10660	Application of PVF2 Coating	5	19-Mar-18 24-Mar-18	-	31-May-18		0%	-52	A10660 ——							
A10640	Die Making - Bulk Production	64	04-Nov-17 22-Jan-18		04-Jun-18	100%	21%	-105							<u> </u>	
A10670	Fabrication of Aluminium Frame to Site	46	24-Mar-18 24-May-18	31-May-18	26-Jul-18	9.18%	0%	-52	A10670							
Terracotta F A10700	Application Application of PVF2 Coating	56	23-Feb-18 04-May-18	02-lan-19 A	06-Jun-18	53.57%	6%	-27			<u> </u>					
A10700 A10680	Die Making - Bulk Production	69	20-Oct-17 12-Jan-18		-	100%	17%	-27					i i			
		_			-											
A10690	Terracotta Production (Bulk) norete Facade Die Making	67	13-Jan-18 09-Apr-18	71-Jnu-18	08-Sep-18	92.54%	0%	-127								
_Precast Col A10750	1st Delivery to Site - Ceramic Concrete Tubes	0	26-Feb-18	20-Jun-18*		100%	0%	-114							♦ 1st De	eliverv
A10740	Assemble of Brackets to Ceramic Concrete Tubes	97	02-Feb-18 06-Jun-18		22-Sep-18		0%	-91					<u> </u>		25000	
	Concreting of Precast Concrete	88	05-Jan-18 25-Apr-18	· · ·	15-Aug-18		0%	-91								\longrightarrow
	Conditions of Freedot Conditions	00	00-1011-10 52-Whi-19	20-Whi-10									_			
A10720	Curing of 1st Lot	c	11-lan 10 10 lan 10	20 10-10	00 1/20110	1000/	/ No/							1 1 1		
A10720 A10730 A10710	Curing of 1st Lot Precast Concrete Mould Making	6 23	11-Jan-18 18-Jan-18 06-Dec-17 04-Jan-18	-	08-May-18		0% 15%	-86 -91			<u> </u>					

Lavout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme



Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme

Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

Activity ID Activity Name CMWP CMWP -Planned Actual % Finish Dur. R0.D8 Star -R0.D8 B/L % Variance Forecast Forecast Finish 04 11 18 25 01 08 15 22 29 06 13 01 (+/-d) TC2 1st Jac 83 06-Jan-18 20-Apr-18 04-Jan-18 A 10-Apr-18 81.93% 88.42% TC2 1st Operational Period 2nd Raise & Jack up of TC2 to 117.2mPD A42860 21-Apr-18 24-Apr-18 11-Apr-18 13-Apr-18 9 0% 0% 9 A42870 Inspection and ICE & RPE Certification for TC2 @117.2mPD 25-Apr-18 26-Apr-18 14-Apr-18 16-Apr-18 0% 0% A41380 Inspection and ICE & RPE Certification for TC2 Ties 0% 9 19-Apr-18 20-Apr-18 09-Apr-18 10-Apr-18 0% A41370 Install & Connect Tie-in between TC2 & Block B 8/F slab 18-Apr-18 18-Apr-18 07-Apr-18 07-Apr-18 0% 0% 9 A64590 TC2 2nd Operational Period 0% 0% -2 27-Apr-18 | 20-Aug-18 | 17-Apr-18 22-Aug-18 ♦ Tower Block B 10/F Slab Completed & 9/F scaffolding removed Tower Block B 10/F Slab Completed & 9/F scaffolding remov 0 0% 0% 9 A41360 17-Apr-18 06-Apr-18 vision of TC3 (Truss 3 & 4, AEL South Podium Construction) TC3 Operational Period 175 | 20-Oct-17 | 26-May-18 | 08-Oct-16 A | 11-Aug-18 | 74.86% | 0% | -64 A64600 A59940 Dismantle TC3 (after Podium Zone G structure complete) 16 28-May-18 14-Jun-18 13-Aug-18 30-Aug-18 0% 0% -64 TC6 (Truss 3 & 4, Podium & Tower Construction) A64620 TC6-2 Operational Period 330 | 28-Nov-17 | 09-Jan-19 | 16-Nov-17 A | 11-Jan-19 | 30.01% | 17.51% | -2 **Critical Key Dates** 05-Aug-18 IT10630 LT12 Ready for Permant Use 0 24-Apr-18 0% 0% -102 LT10680 LT14 Ready for Permant Use 0 24-Apr-18 05-Aug-18 0% 0% -102 LT10730 LT15, LT16 & LT17 Ready for Permant Use 0 23-May-18 29-Aug-18 -98 0% 0% LT10860 LT21 & LT22 Ready for Permant Use 0 13-Mar-18 29-Jul-18 100% 0% -137 Complete Zone A - 1M/F Facade Panel 0 28-Feb-18 05-Jul-18 100% 0% -101 A13250 A13270 Complete Zone A - 2/F Facade Panel 0 07-Mar-18 12-Jul-18 100% 0% -101 0 0% 0% -91 A13300 Complete Zone E - 1M/F Facade Panel 06-Jun-18 22-Sep-18 **\Q** A13310 Complete Zone E - 2/F Facade Panel 0 27-Jun-18 18-Oct-18 0% 0% -93 0 A13280 0% 0% -112 Complete Zone M - 1M/F Facade Panel 05-May-18 17-Sep-18 A13290 Complete Zone M - 2/F Facade Panel 0 17-May-18 13-Jul-18 0% 0% -45 Critical Key Dates - Podium Structure RC Works B1/F A10975 Complete Zone A4-A5 - B1/F Slab, Wall & Columns 0 24-Oct-17 07-Apr-18 100% 0% -131 Complete Zone A4-A5 - B1/F Slab, Wall & Columns, Complete Zone B - B1/F Slab, Wall & Columns 0 03-Jan-18 100% 0% -101 ◆ Complete Zone B - B1/F Slab, Wall & Columns, A12220 09-Mav-18 ◆ Complete Zone D1 - B1 Slab, Wall & Columns, A12090 Complete Zone D1 - B1 Slab, Wall & Columns 0 20-Jan-18 -66 16-Apr-18 100% 0% A12160 Complete Zone D2 - B1/F Slab, Wall & Columns 0 30-Apr-18 21-Aug-18 0% 0% -93 112 ♦ Complete Zone G - B1/F Slab, Wall & Columns, A12620 Complete Zone G - B1/F Slab, Wall & Columns 0 12-Apr-18 22-Nov-17 A 0% 100% ◆ Complete Zone H - B1/F \$lab, Wall & Columns, Complete Zone H - B1/F Slab, Wall & Columns 0 03-Nov-17 10-Apr-18 100% 0% -124 A11810 0 25-May-18 ◆ Complete Zone J - B1/F Slab, Wall & Columns, A12700 Complete Zone L - B1/F Slab, Wall & Columns 23-May-18 0% 0% -1 Complete Zone K & L - B1/F Slab, Wall & Columns, A12330 Complete Zone K & L - B1/F Slab, Wall & Columns 0 27-Apr-18 05-May-18 0% 0% -5 A12410 Complete Zone P - B1/F Slab, Wall & Columns 25-Apr-18 30-Aug-18 0% -105 0% Complete Zone Q - B1/F Slab, Wall & Columns A12270 Complete Zone Q - B1/F Slab, Wall & Columns 0 22-Jan-18 21-Apr-18 100% 0% -71 1M/F Complete Zone A4-A5 - 1M/F Slab, Wall & Columns, Complete Zone A4-A5 - 1M/F Slab, Wall & Columns 11-Nov-17 A11845 0 16-Apr-18 100% 0% -123 Complete Zone B - 1M/F S A12240 Complete Zone B - 1M/F Slab, Wall & Column 09-Feb-18 16-Jun-18 100% 0% -101 Complete Zone D1 - 1M/F Slab, Wall & Columns incld. De-Pr 18-Dec-17 16-Mar-18 A 100% -69 - 1M/F Slab, Wall & Columns incld. De-Prop, A12120 100% ◆ Complete Zone D2 - 1M/F Slab, Wall & Columns incld De-Prop A12190 Complete Zone D2 - 1M/F Slab, Wall & Columns incld De-Pro 29-Jan-18 10-Apr-18 100% 0% -55 A12490 Complete Zone E - 1M/F Slab, Wall & Column incld De-Prop 14-Nov-17 0% -117 ◆ Complete Zone E - 1M/F Slab, Wall & Column incld De-Prop (GL 12-8/A-C), 11-Apr-18 100% Complete Zone E1 - 1M/F Slab, Wall & Column incld De-Prop (GL 11-10/C-D), A12570 Complete Zone E1 - 1M/F Slab, Wall & Column incld De-Proj 12-Apr-18 12-Apr-18 0% 0% 0 A12650 Complete Zone G - 1M/F Slab incld De-Prop 30-May-18 15-Aug-18 0% 0% -64 ◆ Complete Zone G - Gallery Slab, Wall & Column incld De-Prop, -29 A12690 Complete Zone G - Gallery Slab, Wall & Column incld De-Pro 23-Feb-18 03-Apr-18 100% 0% Complete Zone H - 1M/F Slab, Wall & Columns, A11850 Complete Zone H - 1M/F Slab, Wall & Columns 16-Dec-17 09-May-18 100% 0% -111 Complete Zone J - 1M/F Slab, Wall & Column incld De-Prop 0 100% 0% -66 ◆ Complete Zone J - 1M/F Slab. Wall & Column incld De-Prop. A12730 12-Feb-18 10-May-18 ♦ Complete Zone K & L-1M/F Slab, Wall & Column incld De-Prop, A12370 Complete Zone K & L-1M/F Slab, Wall & Column incld De-Pr 17-May-18 04-Apr-18 0% 0% 35 ◆ Complete Zone P - 1M/F Slab, Wall & Column incld De-Prop, Complete Zone P - 1M/F Slab, Wall & Column incld De-Prop 09-Feb-18 -68 08-May-18 100% 0% ◆ Complete Zone Q - 1 A12300 Complete Zone Q - 1M/F Slab, Wall & Column 0 03-Mar-18 100% 0% -87 20-Jun-18 27-Oct-17 Complete Zone A - G/F Slab, Wall & Columns. Complete Zone A - G/F Slab, Wall & Columns A11110 0 16-Apr-18 100% 0% -134 ◆ Complete Zone B - G/F Slab, Wall & Column, A12230 Complete Zone B - G/F Slab, Wall & Column 0 22-Jan-18 29-May-18 100% 0% -101 Complete Zone C - G/F Slab, Wall & Columns, A12010 Complete Zone C - G/F Slab, Wall & Columns 0 24-Feb-18 19-May-18 100% 0% -67 A12180 Complete Zone D2 - G/F Slab, Wall & Columns incld De-Prop 0 0% 0% -47 09-May-18 06-Jul-18

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

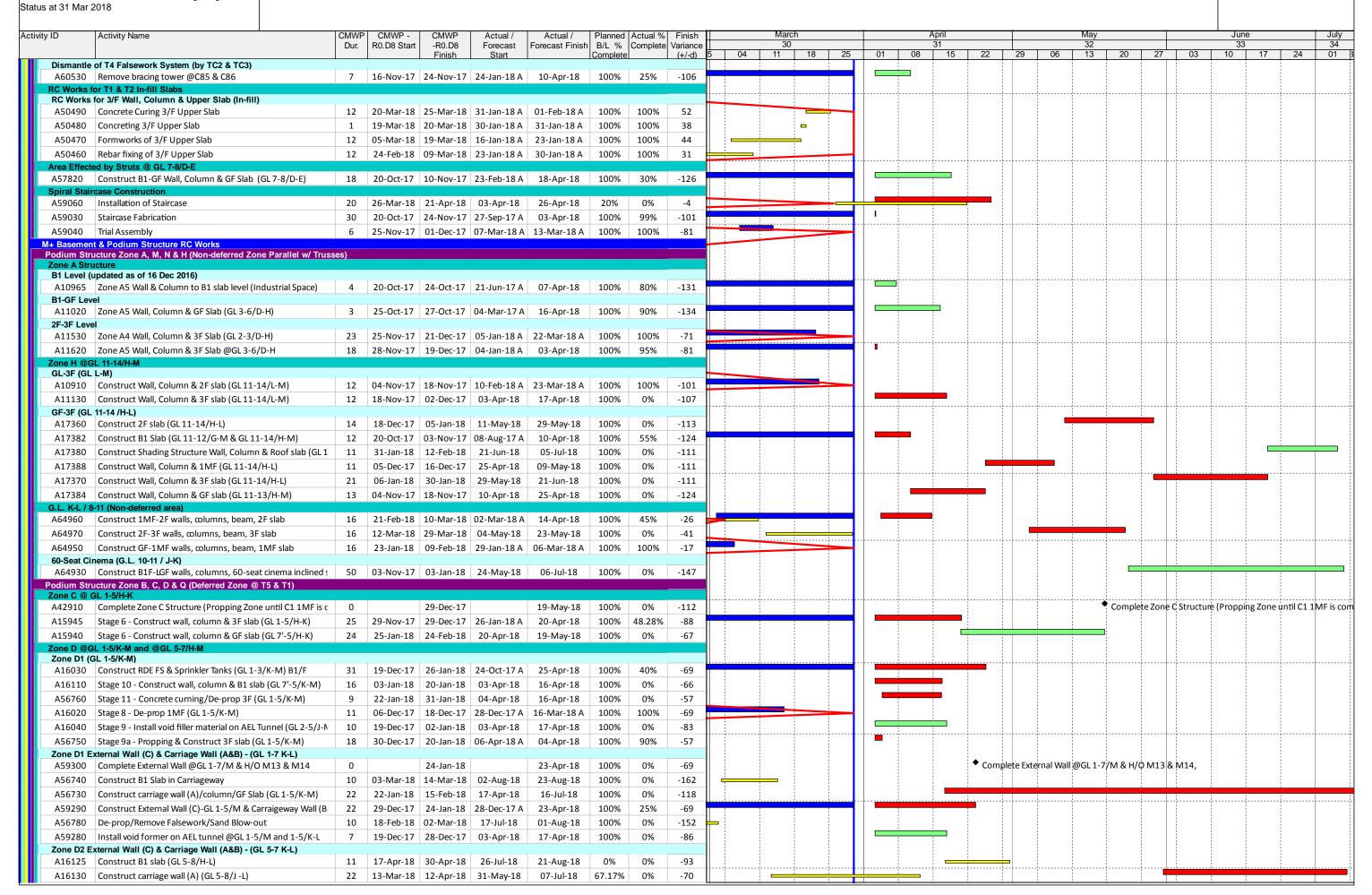
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ity ID	Activity Name	CMWP CMWP - Dur. R0.D8 Start	CMWP Actual		Planned h B/L %	Actual % Complete	Finish Variance		March 30		April 31			May 32		Jı	une 33	
		Dui. No.Do Stall	Finish Start	or Diecast Fiftis	Complete	Complete	(+/-d)	5 04	11 18 25	01	08 15	22	29 (06 13	20 27		17	24
A12540	Complete Zone E1 - G/F Slab, Wall & Column (GL 11-10/C-D	0	16-Mar-18	28-May-18	100%	0%	-56		♦						◆ Co	mplete Zone E1 - G	3/F Slab, W	all & Column
A12630	Complete Zone G - G/F Beam & Slab incld De-Prop	0	28-May-18	13-Aug-18	0%	0%	-64								♦			
A12710	Complete Zone J - G/F Slab, Wall & Column incld De-Prop	0	28-Jun-18	27-Jun-18	0%	0%	2			_								◆ Con
A11950	Complete Zone M - G/F Slab, Wall & Columns (GL7-8/D-E)	0	10-Nov-17	18-Apr-18	100%	0%	-126				◆ Co	mplete Zoi	ne M - G/F S	Slab, Wall &	Columns (GL7-8/D	ı-Ε),		
A11955	Complete Zone N - G/F Slab, Wall & Columns (GL7-8/L-M)	0	27-Oct-17	16-Apr-18	100%	0%	-134				◆ Comp	olete Zone I	N - G/F Slab	, Wall & Col	ımns (GL7-8/L-M	,		
A12420	Complete Zone P - G/F Slab & Column incld De-Prop	0	01-Jun-18	17-Jul-18	0%	0%	-37									>		
A12290	Complete Zone Q - G/F Slab, Wall & Column	0	09-Feb-18	11-May-18	100%	0%	-71							◆ Compl	ete Zone Q - G/F S	lab, Wall & Column	٦,	
_1/F																		
A12560	Complete Zone E1 - 1/F Slab, Wall & Column (GL 11-10/C-D)	0	16-Mar-18	28-May-18	100%	0%	-56		♦						◆ Co	mplete Zone E1 - 1	L/F Slab, Wa	all & Columr
A12640	Complete Zone G - 1/F Slab, Wall & Column incld De-Prop	0	28-May-18	13-Aug-18	0%	0%	-64								♦			
A12720	Complete Zone J - 1/F Slab, Wall & Column incld De-Prop	0	25-Jun-18	23-Jun-18	0%	0%	2			_							•	Comple
_2/F	1	1 - 1			1	1												
A12250	Complete Zone B - 2/F Slab, Wall & Column	0	05-Mar-18	16-Jun-18	100%	0%	-83	*									1 1	ete Zone B - :
A12660	Complete Zone G - 2/F Slab, Wall & Column	0	17-May-18	04-Apr-18	0%	0%	35							, · ·	Complete Zone G	- 2/F Slab, Wall & (Column,	
A11860	Complete Zone H - 2/F Slab, Wall & Columns	0	18-Nov-17	03-Apr-18	100%	0%	-107			▼ Com	plete Zone H - 2/F	Slab, Wall	& Columns,					
A12740	Complete Zone J - 2/F Slab, Wall & Column	0	23-May-18	25-May-18	0%	0%	-1									ete Zone J - 2/F Slal	- 11	1
A12380	Complete Zone K & L -2/F Slab, Wall & Column	0	17-May-18	04-Apr-18	0%	0%	35			•				♦	i i i i	& L -2/F Slab, Wall	i i	1
A12450	Complete Zone P - 2/F Beam & Slab incld De-Prop	0	07-Mar-18	26-May-18	100%	0%	-63	\$							1	lete Zone P - 2/F B	1	1 1 1
A12310	Complete Zone Q - 2/F Slab, Wall & Column	0	23-Mar-18	31-May-18	100%	0%	-53		♦						•	Complete Zone Q) - 2/F Slab,	, Wall & Colu
_3/F									ļ									
A11800	Complete Zone A - 3/F Slab, Wall & Columns	0	21-Dec-17	07-Apr-18	100%	0%	-82			`	Complete Zone A	4 - 3/F Slab	, Wall & Col	umns,				
A12260	Complete Zone B - 3/F Slab, Wall & Column incld De-Prop	0	19-Mar-18	03-Jul-18	100%	0%	-83		♦									
A12050	Complete Zone C - 3/F Slab, Wall & Columns	0	29-Dec-17	20-Apr-18	100%	0%	-88				i i	i : i	'	Slab, Wall 8	i 'i			
A12140	Complete Zone D1 - 3/F Slab, Wall & Columns incld. De-Prop	0	31-Jan-18	16-Apr-18	100%	0%	-57					1 1	1 1	1	lumns incld. De-P	op,		
A12210	Complete Zone D2 - 3/F Slab, Wall & Columns incld De-Prop	0	22-Feb-18	12-Apr-18	100%	0%	-37								s incld De-Prop,			
A12510	Complete Zone E - 3/F Slab, Wall & Column incld De-Prop (G	0	14-Nov-17	11-Apr-18	100%	0%	-117				Complete Z	one E - 3/F	Slab, Wall 8	& Column ind	ld De-Prop (GL 12	-8/A-C),		
A12600	Complete Zone E1- 3/F Beam & Slab incld De-Prop (GL 11-1)	0	12-Apr-18	19-Apr-18	0%	0%	-6	-			♦ • c	Complete Zo	one E1-3/F	Beam & Slal	o incld De-Prop (G	_ 11-10/C-D),		
A12670	Complete Zone G - 3/F Beam & Slab incld De-Prop	0	19-Apr-18	07-Apr-18	0%	0%	10				→ C	omplete Z	one G - 3/F	Beam & Slat	incld De-Prop,			
A11870	Complete Zone H - 3/F Slab, Wall & Columns	0	30-Jan-18	21-Jun-18	100%	0%	-111										♦ Cc	omplete Zo
A11820	Complete Zone H - G/F Slab, Wall & Columns	0	18-Nov-17	25-Apr-18	100%	0%	-124					◆ Com	nplete Zone	H - G/F Slab	Wall & Columns,			
A12750	Complete Zone J - 3/F Slab, Wall & Column	0	11-Jun-18	09-Jun-18	0%	0%	2									◆ o Cor	mplete Zon	ne J - 3/F Sla
A12390	Complete Zone K & L-3/F Slab, Wall & Column incld De-Prog	0	17-May-18	04-Apr-18	0%	0%	35			•				•	Complete Zone K	& L -3/F Slab, Wall	l & Column	incld De-Pro
A12460	Complete Zone P - 3/F Slab, Wall & Column incld De-Prop	0	03-Mar-18	11-May-18	100%	0%	-54	O O						Comple	te Zone P - 3/F SI	ab, Wall & Column	incld De-Pr	rop,
A12320	Complete Zone Q - 3/F Slab, Wall & Column incld De-Prop	0	27-Mar-18	13-Jul-18	100%	0%	-85		0									
	nt & Podium Structure Construction	- 1							Ť									
		0	14-Jun-	18 30-Jun-18	0%	0%										PDFF-10020 📮		
PDFF-10010	Fair Face Concrete Remedial Works - M+ Podium G/F	0	29-May	-18 13-Jun-18	0%	0%									PDFF-10010 💳			
CSF & RDE	Sub-Structure RC Works							:						-				
G/F Level																		
	ng @ Portion - R (B1/F to G/F) FR5b & GFR4 @ GL E-H / 7'-2 (EVA - Part 2)							H				 						
	Remove scaffolds & cleaning	3 20-Oct-17	23-Oct-17 15-Jan-1	.8 A 16-Mar-18 A	100%	100%	-116											
	FR2 @ GL F'-I' / 6'-7' (EVA - Part N4)																	
A49300	Concrete Curing period EVA - Part N3	7 07-Mar-18	10-Mar-18 13-Feb-1	18 A 16-Mar-18 A	100%	100%	-5											
A49290	Construct beams & slab (G/F) @ GL F'-H' / 5'-1	11 23-Feb-18	07-Mar-18 16-Jan-1	.8 A 12-Feb-18 A	100%	100%	18	1										
A49310	Remove scaffolds & cleaning	3 12-Mar-18	14-Mar-18 14-Mar-	18 A 04-Apr-18	100%	50%	-15	A49310										
Portion G	FR1 @ GL I'-J' / 6'-7' (EVA - Part N5)																	
A49275	Complete EVA Zone R @ GL A-J' / 6'-2	0	28-Mar-18	03-May-18	100%	0%	-26	<u> </u>	•				◆ Comp	olete EVA Zo	ne R @ GL A-J' / 6	-2,		
A49260	Concrete Curing period EVA - Part N5	7 22-Mar-18	25-Mar-18 22-Apr-	18 29-Apr-18	100%	0%	-35		A49260 📥									
A49250	Construct beams & slab (G/F) @ GL I'-J' / 5'-1	16 03-Mar-18	22-Mar-18 03-Apr-	18 21-Apr-18	100%	0%	-23	0 📥				J						
A49240	Construct Columns & Walls & Cols B1/F to G/F @ GL I'-J' / 5'	3 20-Oct-17	23-Oct-17 13-Feb-1	17 A 23-Mar-18 A	100%	100%	-122											
A49270	Remove scaffolds & cleaning	3 26-Mar-18	28-Mar-18 30-Apr-	18 03-May-18	100%	0%	-26	-	A49270 🕳									
	ng @ Portion - S (B1/F to G/F)													1				
	FS1 & GFS2 @ GL A / 6'-2 (EVA - Part 3)	0	00 Nov. 47	06.1.55	4.000/	024	410			_	C		17126	2/5 4				
	Complete EVA Zone S @ GL A / 7'-2 for G/F Access	0	08-Nov-17	06-Apr-18		0%	-118	H		·	Complete EVA Zor	nes@GL/	4/ / -2 for (J/F ACCESS,				į
A C 4000	Remove scaffolds & cleaning	3 06-Nov-17	08-Nov-17 03-Apr-	18 06-Apr-18	100%	0%	-118											
	ss Site Construction																	
M+ Mega Tru																		
M+ Mega Tru Mega Truss	Infill Construction (Zone F @ GL 7-8/D-M) op & Removal of T3 Falseworks																	
M+ Mega Tru Mega Truss Truss Depr Dismantle	Infill Construction (Zone F @ GL 7-8/D-M)	1	10-Nov-17 24-Jan-1													·		

File Name: 3MRP-30 Three Months Rolling Programme

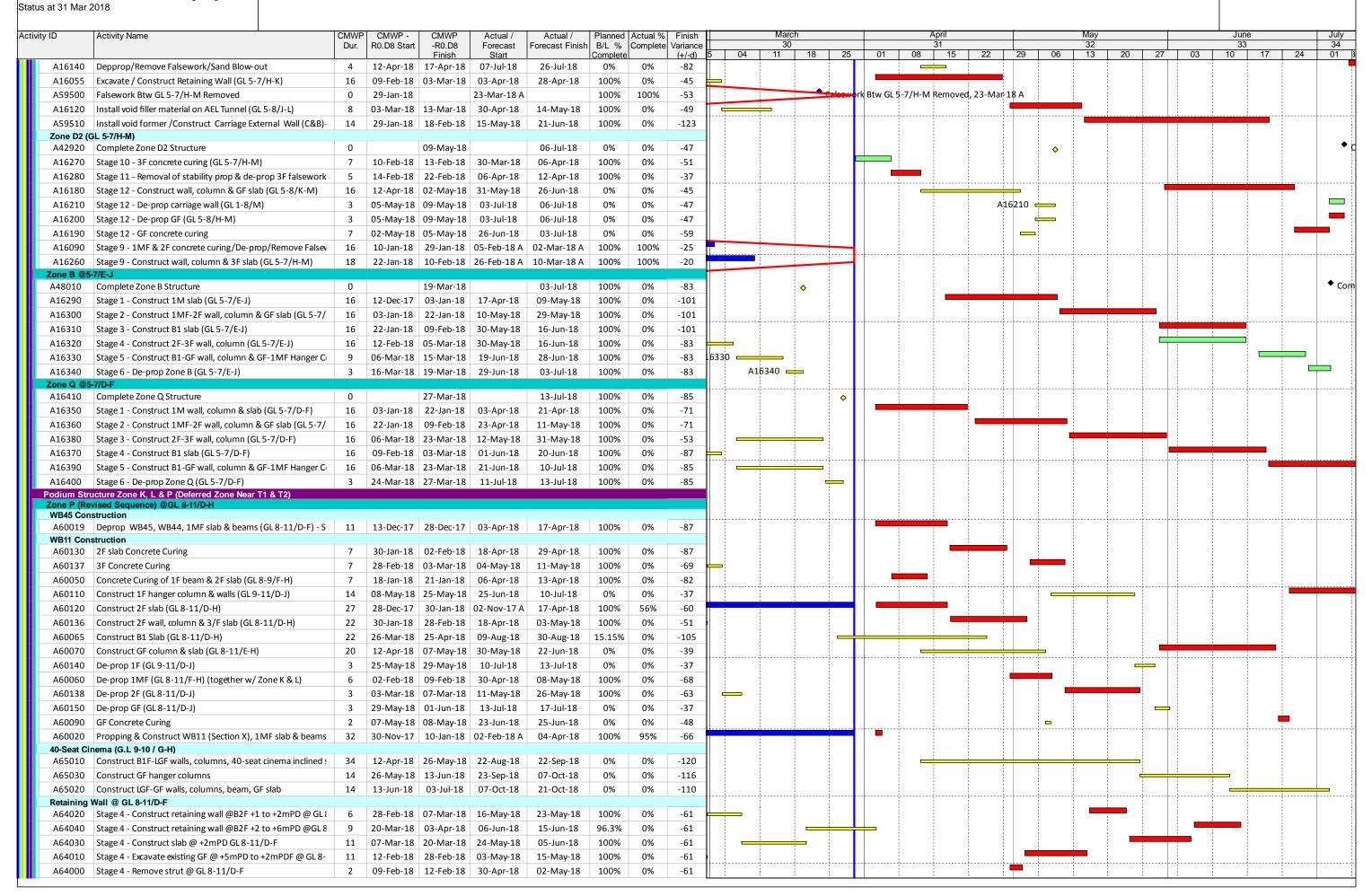
Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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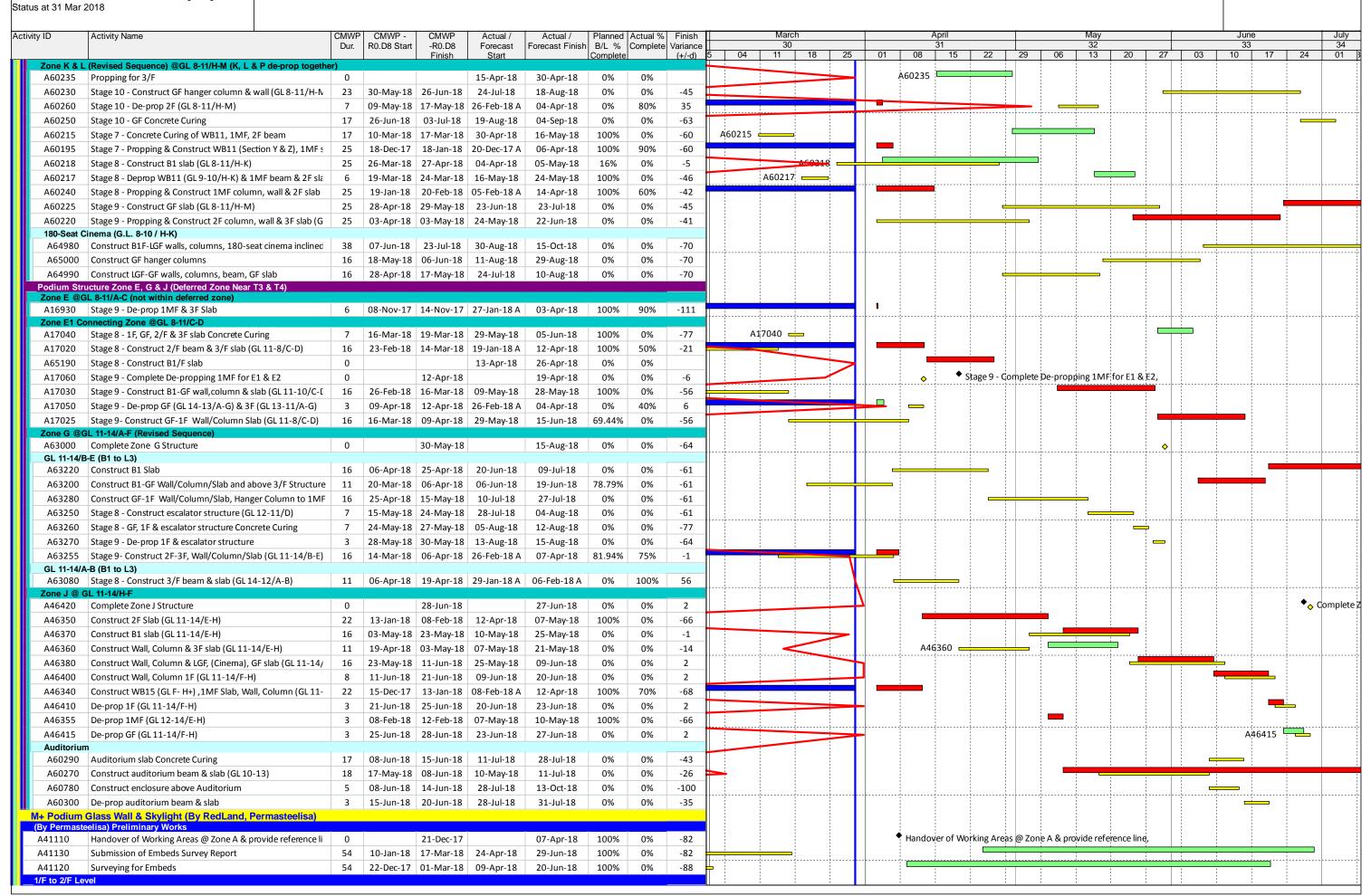
Lavout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme



Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme



Status at 31 Mar 2018

Layout Name: 01) CMWP - 3MRP (M30)

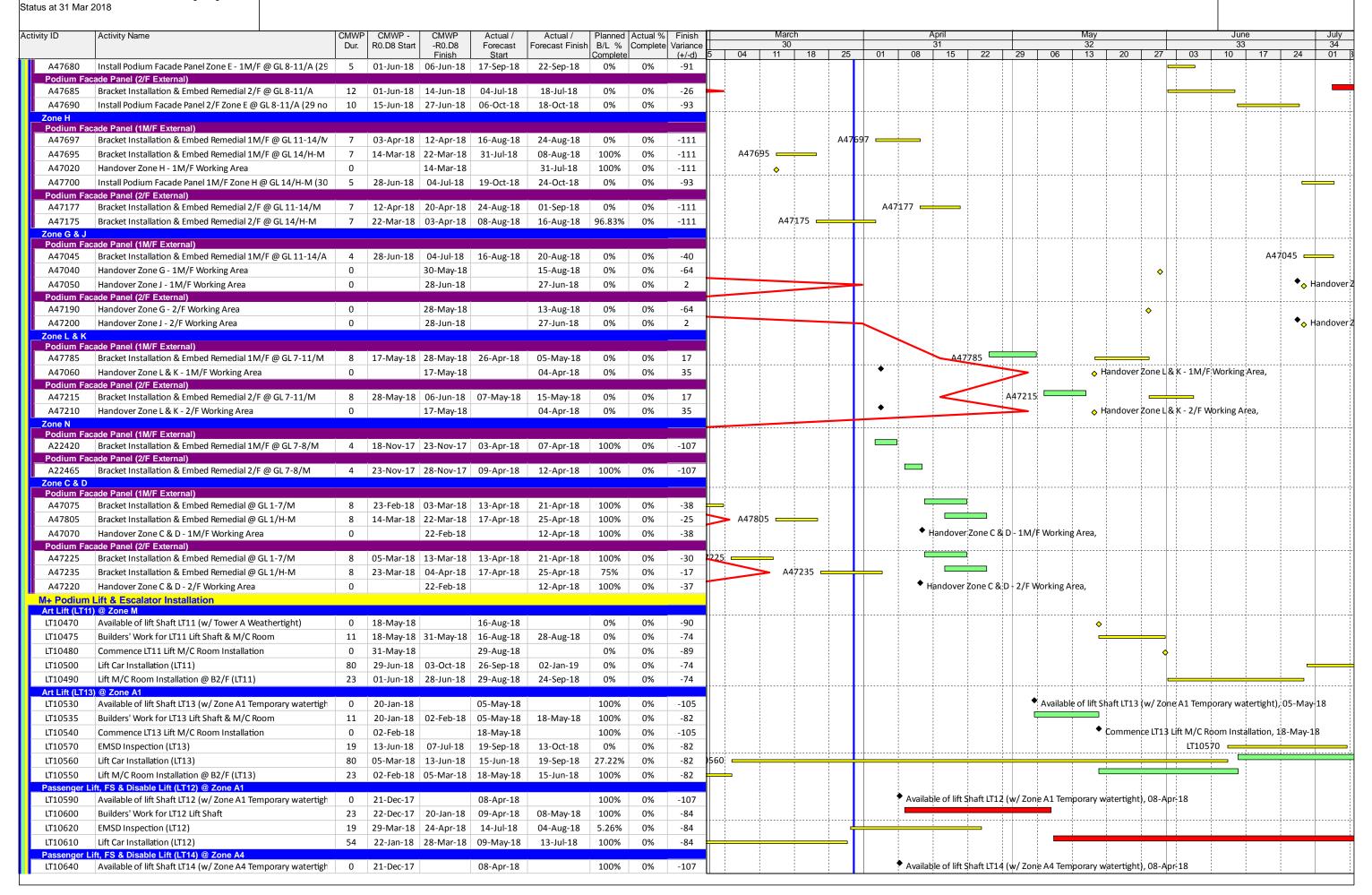
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Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

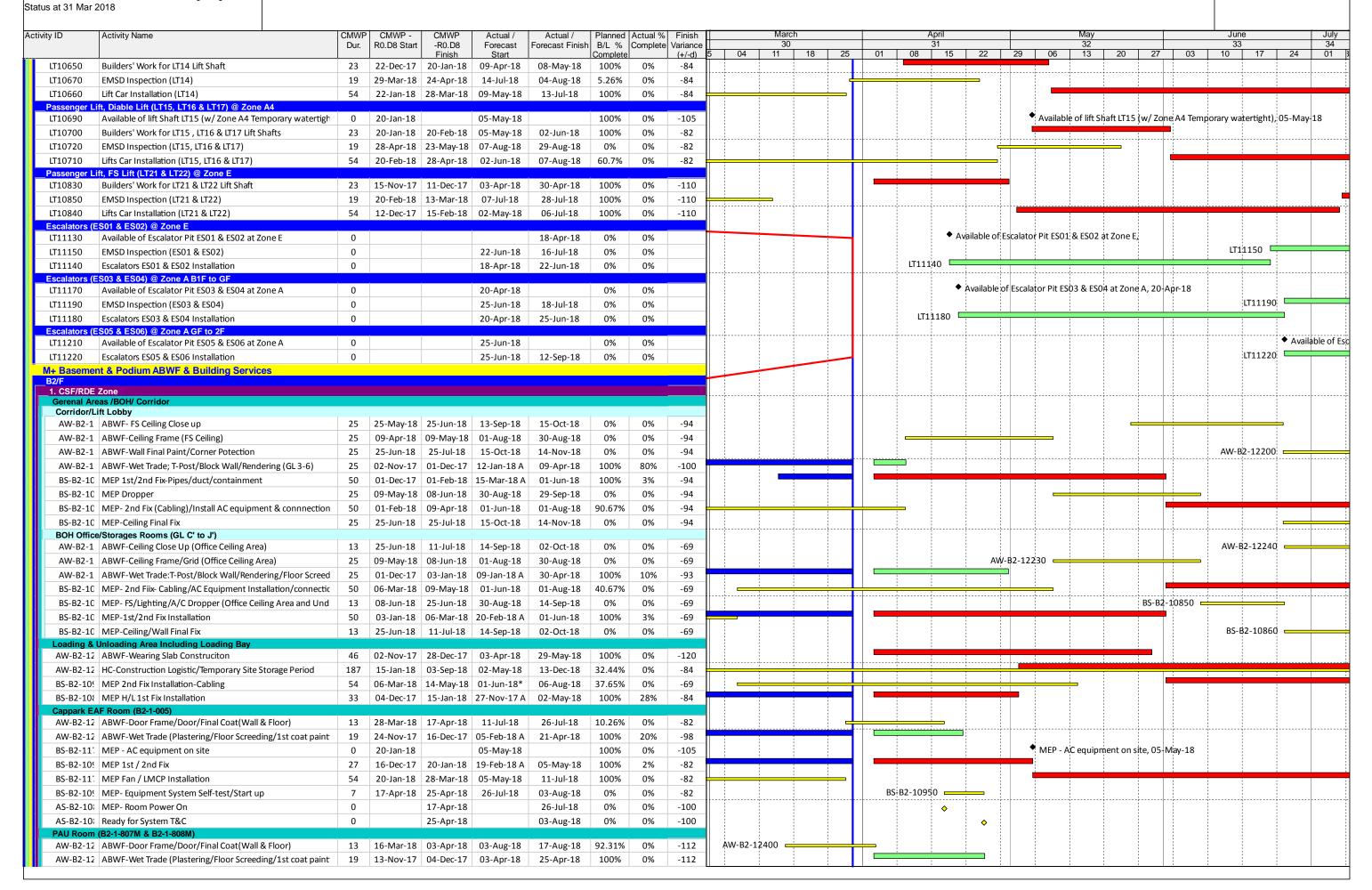
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y ID	Activity Name	CMWP Dur.	CMWP - R0.D8 Start	CMWP -R0.D8	Actual / Forecast	Actual / Forecast Finish		Actual % Complete			Marc 30	h				pril 31			Ma 3			June 33	
			RU.Do Stait	Finish	Start	Forecast Fillist	Complete	Complete	(+/-d)	5 04	11	18	25	01	08		22	29	06 1		27 03	10 17	24
(By Permast Zone A	teelisa) Glass Wall with Ceramic/Ceramic Mullion/Precast Co	oncrete																					
A46710	PISA-Install Glass Wall with Ceramic Tube w/ PC & AL Panel (27	05-Feb-18	10-Mar-18	16-Oct-18	16-Nov-18	100%	0%	-204		-												
Zone H	DICA Install Courses Tube (C.C. 12/V NA /FAC CE 02c)	0	24 May 10	04 lun 10	00 Can 10	10 Car 10	00/	00/	00											A46770 🚃			
A46770 A46780	PISA-Install Ceramic Tube @ GL 12/K-M (FAC-CE-02a) PISA-Install Glass Wall with Ceramic Mullion @ GL 12-13/H-		24-May-18	-	08-Sep-18	19-Sep-18 02-Oct-18	0% 0%	0% 0%	-90 -81											1 1	46780		
Zone E	PISA-HIStali Glass Wall With Ceramic Mullion & GL 12-13/11-	10	04-Juli-18	20-Juli-18	08-3ep-18	02-001-18	078	076	-81												+0780		
A46610	Handover Zone E - 1/F Working Area	0		12-Apr-18		16-Nov-18	0%	0%	-180						♦								
A46730	PISA-Install Ceramic Tube @ GL 9-11/B-F (FAC-CE-02a)	11	12-Apr-18	25-Apr-18	17-Nov-18	29-Nov-18	0%	0%	-180					A46	730 💳		-						
A46760	PISA-Install Glass Wall with Ceramic Mullion & Wood Cap @	18	08-Jun-18	30-Jun-18	15-Jan-19	04-Feb-19	0%	0%	-180												A46760		<u>:</u>
A46740	PISA-Install Glass Wall with Ceramic Mullion @ GL 8-9/C-D (18			30-Nov-18	20-Dec-18	0%	0%	-180							A46740	-			-			
A46750	PISA-Install Glass Wall with Ceramic Tube w/ PC & AL Panel (18	17-May-18	08-Jun-18	21-Dec-18	14-Jan-19	0%	0%	-180										A46750				
Zone G A46630	Handover Zone G - 1/F Working Area	0		28-May-18		13-Aug-18	0%	0%	-64											•			
A46790	PISA-Install Glass Wall with Ceramic Mullion @ GL 11-13/E-(-	28-May-18	•	13-Aug-18	01-Sep-18	0%	0%	-64											A46790 =			
Zone J					J	•																	
A46640	Handover Zone J - 1/F Working Area	0		28-Jun-18		27-Jun-18	0%	0%	2					•									◆♦ H
A46830	PISA-Install Glass Wall with Ceramic Mullion @ GL 11-13/G-	18	28-Jun-18	20-Jul-18	13-Aug-18	01-Sep-18	0%	0%	-37													A ²	16830 💳
Zone C & D A46680	Handover Zone C & D - 1/F Working Area	0		22-Feb-18		12-Apr-18	100%	0%	-37						♦ н	andover Zon	e C & D -	1/F Wo	rking Area.				
A46950	PISA-Install Ceramic Tube @ GL 5-6/J-K, 2-3/K-M (FAC-CE-0		23-Feb-18		12-Apr-18	02-May-18	100%	0%	-37		<u></u>												
A46940	PISA-Install Glass Wall with Ceramic Mullion @ GL 2-5/H-L (F	18			27-Oct-18	16-Nov-18	87.65%	0%	-186														
A46930	PISA-Install Glass Wall with Ceramic Mullion @ GL 5-8/J-L (F.	14	05-Mar-18	21-Mar-18	23-Apr-18	09-May-18	100%	0%	-37	930	-					_		-	_				
A46980	PISA-Install Glass Wall with PC & AL Panel @ GL 2-3/K-L (FAC	9	07-Apr-18	18-Apr-18	30-Oct-18	08-Nov-18	0%	0%	-168					Ė									
A46970	PISA-Install Glass Wall with PC & AL Panel @ GL 4-6/J-K (FAC	9	23-Mar-18	07-Apr-18	30-Oct-18	08-Nov-18	56.79%	0%	-177			+											
/F to 3/F Le	vel teelisa) Glass Wall with PC Mullion/Ceramic Cladding																						
Zone G	teensa) Glass Wall with FC Mullion/Ceraniic Glauding																						
A47080	Handover Zone G - 2/F Working Area	0		28-May-18		08-Nov-18	0%	0%	-137											♦			
A47100	Install Garden Gallery Ceramic Cladding @ GL 11-13/C-D (FA	23	28-May-18	23-Jun-18	09-Nov-18	05-Dec-18	0%	0%	-137											_			=
A47110	Install Glass Wall with PC Mullion & Wood Cap @ GL 11-13/	23	16-Jun-18	16-Jul-18	29-Nov-18	28-Dec-18	0%	0%	-137														1
3/F Roof Lev (By Permast	rel teelisa) Skylight/Ceramic Cladding/Storefront																						
Zone G																							
A47330	Handover Zone G - 3/F Working Area	0		28-May-18		13-Aug-18	0%	0%	-64											♦			
Zone C & D A47490	Install Precast Wall & Roof Cladding (Skylight Gallery) @ GL	0			21-Apr-18	24-May-18	0%	0%							А	47490							
Zone M, F					217.p. 10	2 :	0,1	0,0															
A47590	Handover Zone M - 3/F Working Area	0		21-Apr-18		26-Apr-18	0%	0%	-4				/			♦	Hand	doverZo	one M - 3/F	Norking Area,			
	Install L3 Storefront @ GL 7-8/B-E (FAC-CW-08a,08b)	23	30-Apr-18	28-May-18	19-Jun-18	17-Jul-18	0%	0%	-40							A4	7370 🗕						1
I+ Podium Zone A	External Envelope (By Permasteelisa)																						
	cade Panel (1M/F External)			·						,								<u> </u>					
A47635	Bracket Installation & Embed Remedial 1M/F @ GL 1/A-H	8	20-Jan-18	30-Jan-18	05-May-18	15-May-18	100%	0%	-82														
A47010	Handover Zone A - 1M/F Working Area	0		20-Jan-18		05-May-18		0%	-82									F	landover Zo	ne A - 1M/F Wo	rking Area,		
A47640	Install Podium Facade Panel Zone A - 1M/F @ GL 1/A-H (52	8			07-Jun-18	16-Jun-18	100%	0%	-101												_		
A47660	Install Podium Facade Panel Zone A -1M/F @ GL 1-8/A (37 reade Panel (2/F External)	6	21-Feb-18	28-Feb-18	27-Jun-18	05-Jul-18	100%	0%	-101														
A47645	Bracket Installation & Embed Remedial 2/F @ GL 1-8/A	8	30-Jan-18	08-Feb-18	15-May-18	25-May-18	100%	0%	-82														
	Handover Zone A - 2/F Working Area	0	111111111111111111111111111111111111111	20-Jan-18	, 20	05-May-18		0%	-82	. !								◆ _F	landover Zo	ne A - 2/F Worki	ng Area,		
A47160	Install Podium Facade Panel 2/F @ GL 1-8/A (37 nos.)	6	28-Feb-18	07-Mar-18	05-Jul-18	12-Jul-18	100%	0%	-101														
	mistair rodiam racade ranciz/i & GET 6/11 (37 1103.)		08-Feb-18	21-Feb-18	16-Jun-18	27-Jun-18	100%	0%	-101														-
A47670	Install Podium Facade Panel 2/F @ GL 1/A-H (52 nos.)	8																			1 :		
A47670 A47650 Cone M	Install Podium Facade Panel 2/F @ GL 1/A-H (52 nos.)	8								. :	- 1	!											
A47670 A47650 <mark>one M</mark> Podium Fac	Install Podium Facade Panel 2/F @ GL 1/A-H (52 nos.) cade Panel (1M/F External)			04-May-19	25-Maγ-1Ω	06-lun-19	0%	0%	-26							_							
A47670 A47650 Cone M Podium Fac A22390	Install Podium Facade Panel 2/F @ GL 1/A-H (52 nos.) cade Panel (1M/F External) Bracket Installation & Embed Remedial 1M/F @ GL 7-8/A	10		<u> </u>	25-May-18	06-Jun-18 26-Apr-18	0%	0% 0%	-26 -4							=	◆ Hand	— dover 7	one M - 1 M	F Working Area			
A47670 A47650 one M Podium Fac A22390 A22380	Install Podium Facade Panel 2/F @ GL 1/A-H (52 nos.) cade Panel (1M/F External) Bracket Installation & Embed Remedial 1M/F @ GL 7-8/A Handover Zone M - 1M/F Working Area	10 0	23-Apr-18	21-Apr-18		26-Apr-18	0%	0%	-4				.			=	◆ Hand	dover Zo	one M - 1M/	F Working Area,			
A47670 A47650 Cone M Podium Fac A22390 A22380 A22400	Install Podium Facade Panel 2/F @ GL 1/A-H (52 nos.) cade Panel (1M/F External) Bracket Installation & Embed Remedial 1M/F @ GL 7-8/A	10 0	23-Apr-18	21-Apr-18									•			~	◆ Hand	dover Zo	one M - 1M/	F Working Area,			
A22390 A22380 A22400	Install Podium Facade Panel 2/F @ GL 1/A-H (52 nos.) ade Panel (1M/F External) Bracket Installation & Embed Remedial 1M/F @ GL 7-8/A Handover Zone M - 1M/F Working Area Install Podium Facade Panel Zone M - 1M/F @ GL 7-8/A (7 r	10 0 1	23-Apr-18	21-Apr-18 05-May-18	15-Sep-18	26-Apr-18	0%	0%	-4				•			•		0					
A47670 A47650 Cone M Podium Fac A22390 A22380 A22400 Podium Fac A22445 A22440	Install Podium Facade Panel 2/F @ GL 1/A-H (52 nos.) ade Panel (1M/F External) Bracket Installation & Embed Remedial 1M/F @ GL 7-8/A Handover Zone M - 1M/F Working Area Install Podium Facade Panel Zone M - 1M/F @ GL 7-8/A (7 reade Panel (2/F External) Bracket Installation & Embed Remedial 2/F @ GL 7-8/A Handover Zone M - 2/F Working Area	10 0 1 10 0	23-Apr-18 05-May-18 05-May-18	21-Apr-18 05-May-18 16-May-18 21-Apr-18	15-Sep-18 06-Jun-18	26-Apr-18 17-Sep-18 19-Jun-18 26-Apr-18	0% 0% 0% 0%	0% 0%	-4 -112				•			\Q		0		F Working Area, Working Area,			
A47670 A47650 Cone M Podium Fac A22390 A22380 A224400 Podium Fac A22445	Install Podium Facade Panel 2/F @ GL 1/A-H (52 nos.) cade Panel (1M/F External) Bracket Installation & Embed Remedial 1M/F @ GL 7-8/A Handover Zone M - 1M/F Working Area Install Podium Facade Panel Zone M - 1M/F @ GL 7-8/A (7 reade Panel (2/F External) Bracket Installation & Embed Remedial 2/F @ GL 7-8/A	10 0 1	23-Apr-18 05-May-18	21-Apr-18 05-May-18 16-May-18 21-Apr-18	15-Sep-18 06-Jun-18	26-Apr-18 17-Sep-18 19-Jun-18	0% 0%	0% 0% 0%	-4 -112 -26				•			*		0					

File Name: 3MRP-30 Three Months Rolling Programme



File Name: 3MRP-30 Three Months Rolling Programme

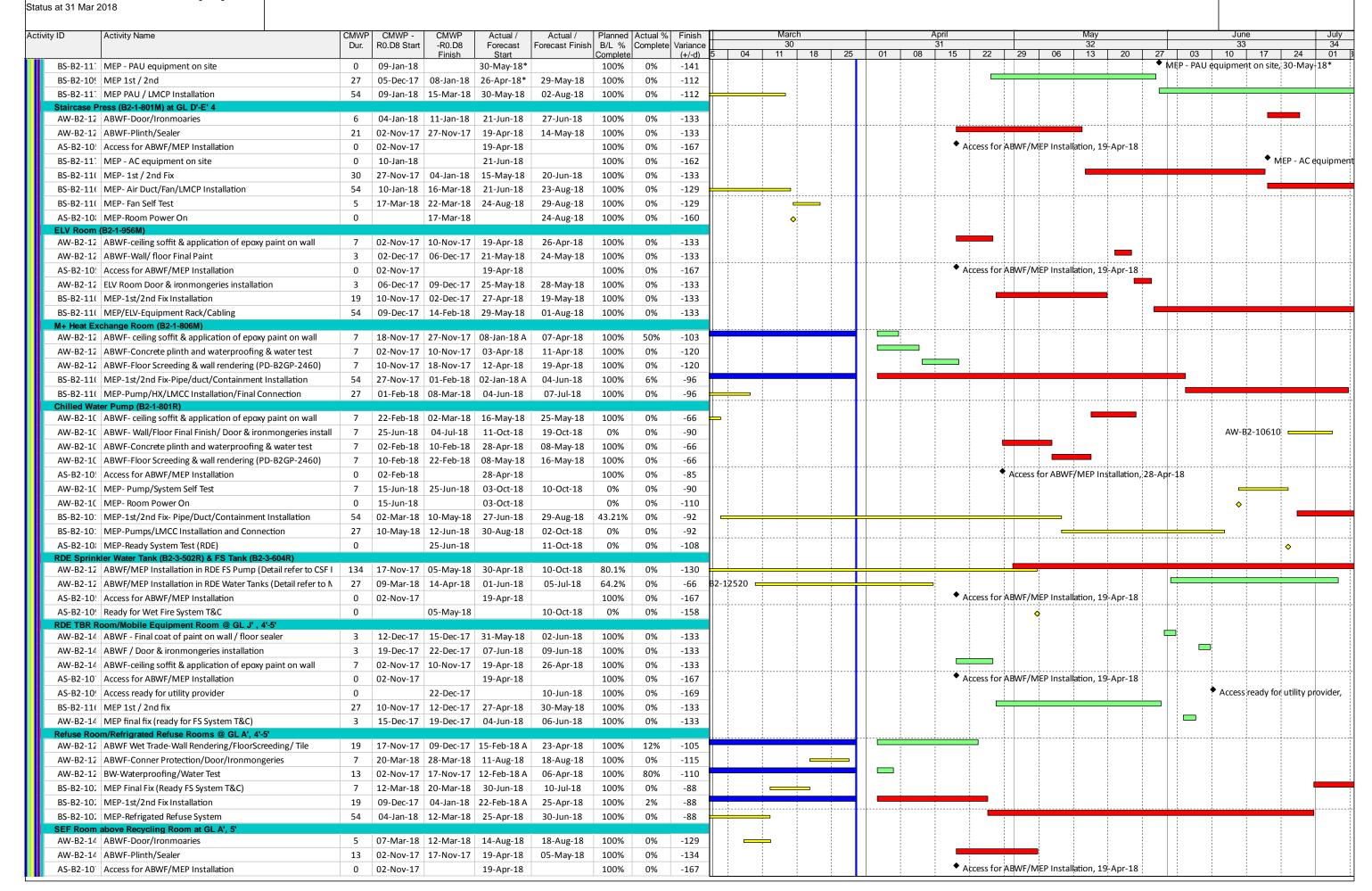


Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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vity ID	Activity Name	CMWP Dur.	CMWP - R0.D8 Start	CMWP -R0.D8	Actual / Forecast	Actual / Forecast Finish	Planned B/L %	Actual % Complete	Finish Variance		March 30				April 31				May 32				June 33		J
				Finish	Start	. orcoast i iiilsi	Complete	· ·	(+/-d)	5 04		18 25	01	08	15	22	29	06	13	20	27	03	10		24 (
	MEP - AC equipment on site		29-Dec-17		09-Jun-18		100%	0%	-162														MEP - AC	equipmen	nt on site, 0
	MEP- 1st / 2nd Fix		17-Nov-17			08-Jun-18	100%	0%	-135										i				İ	- 1	
	MEP- Air Duct/Fan/LMCP Installation	54	29-Dec-17	06-Mar-18	09-Jun-18	13-Aug-18	100%	0%	-129						! !							-	!	i	
	Pump Rooms at GL K',5'-6'	12	20 Feb 10	07 Man 10	00 10 10	22 4 10	1000/	00/	127																
	ABWF-Door Frame/Door/Final Coat(Wall & Floor)		20-Feb-18			23-Aug-18	100%	0%	-137					<u> </u>						<u>. i</u>	<u>li</u>				
	ABWF-Wet Trade (Plastering/Floor Screeding/1st coat paint		24-Nov-17	16-Dec-17		08-Jun-18	100%	0%	-137						• •	f A.D	A/E /A 4'E			0 4 10					
	Access for ABWF/MEP Installation		02-Nov-17		19-Apr-18		100%	0%	-167						A	ccess for AB	VVF/IVI¦E	EP Insta	iliaπon, 1	9-Apr-18					
	BW-RC Plinth/Waterproofing/Water Test	19		24-Nov-17	· · · · · · · · · · · · · · · · · · ·	14-May-18	100%	0%	-135										-			<u> </u>			
	MEP 1st/2nd Installation/FS Pumps Set/Pipework/LMCC	50	16-Dec-17		09-Jun-18	08-Aug-18	100%	0%	-137																
	MEP- FS Pump Set/System Self-test/Start up	-	21-Mar-18	29-Mar-18	07-Sep-18	14-Sep-18	100%	0%	-137		BS-B2-10260			ļ						. -					
	MEP- Room Power On	0		21-Mar-18		07-Sep-18	100%	0%	-169			♦													
	MEP-Pumps/LMCC Installation/Connection	25	20-Feb-18	21-Mar-18	09-Aug-18	06-Sep-18	100%	0%	-137			_													
	Ready for System T&C	0		29-Mar-18		15-Sep-18	100%	0%	-169				•												
2. Zone A, N																						1			
Corridors/	eas: Corridor, Workshop, BOH office, Other Rooms Lobbys									H	+														
AW-B2-1	ABWF-Soffit Sealer	7	01-Dec-17	09-Dec-17	28-Dec-17 A	06-Apr-18	100%	50%	-91	:	: :	•													
AW-B2-1	ABWF-Wearing Slab (GL 1-3)	13	29-Jan-18	13-Feb-18	28-Dec-17 A	10-Apr-18	100%	60%	-41					-											
	ABWF-Wearing Slab (GL 3-6)		20-Mar-18	09-Apr-18	09-May-18	25-May-18	64.96%	0%	-38				 	<u> </u>					+	-					
	ABWF-Wearing Slab (GL 6-10)	13	09-Apr-18	· ·	25-May-18	09-Jun-18	0%	0%	-38							<u> </u>				<u></u>					
	ABWF-Wet Trade; T-Post/Block Wall/Rendering (GL 1-3)	54	13-Feb-18	· ·		21-Jul-18	65.64%	0%	-71	ļ 						<u> </u>			† · · · · · · · · · · · · · · · · · · ·						
	ABWF-Wet Trade; T-Post/Block Wall/Rendering (GL 3-6)	54	09-Apr-18	· · · · · · · · · · · · · · · · · · ·		30-Jul-18	0%	0%	-38																
	ABWF-Wet Trade; T-Post/Block Wall/Rendering (GL 6-10)	40	· · · · · · · · · · · · · · · · · · ·	13-Jun-18		06-Sep-18	0%	0%	-71										1			i	_		
	MEP- 2nd Fix (Cabling)	54		30-Jun-18		31-May-18	0%	5%	25	i i							- :		1	1 1					
	MEP-1st/2nd Fix Installation (GL 1-3)	40				•		22%		1	-				i				:			į			
	1 /	-	09-Dec-17			16-May-18	100%		-84			<u> </u>	<u>.</u>												
	MEP-1st/2nd Fix Installation (GL 3-6)	40		20-Mar-18		09-May-18	100%	23%	-38	<u> </u>	-														
	MEP-1st/2nd Fix Installation (GL 6-10)	27	20-Mar-18	25-Apr-18	02-Jan-18 A	27-Apr-18	31.28%	23%	-2																
	shop, Office and Facilities Rooms ABWF-Ceiling Frame/Grid (Office Ceiling Area)	54	29-May-18	02-Διισ-18	13-Sen-18	17-Nov-18	0%	0%	-89													- 1			
	ABWF-H/L Steel Platform (GL 1-6)	54		18-Jul-18		08-Aug-18	0%	0%	-18							Δ	N-B2-1	10250							
	ABWF-Wearing Slab (GL 1-3)	13	-	29-Jan-18		01-Jun-18	100%	0%	-97		·								-						
	ABWF-Wearing Slab (GL 1-5) ABWF-Wearing Slab (GL 3-6)	13		29-Jan-18 20-Mar-18	•	16-Jun-18	100%	0%	-70													-			
		1						0%	-56					<u> </u>									<u> </u>		
	ABWF-Wearing Slab (GL 6-10)	13	10-Apr-18	· ·	16-Jun-18	04-Jul-18	0%					!													
	ABWF-Wet Trade; T-Post/Block Wall/Rendering/sealer (GL 1	54		11-Apr-18	08-Jun-18	11-Aug-18	87.86%	0%	-101								- 1		!	1 1					
	ABWF-Wet Trade; T-Post/Block Wall/Rendering/sealer (GL 3		24-Nov-17	30-Jan-18	· ·	07-Jun-18	100%	0%	-101	 			 			 									
	ABWF-Wet Trade; T-Post/Block Wall/Rendering/sealer (GL 6	27		29-May-18		12-Sep-18	0%	0%	-89			İ					- 1		1	1 1	:	_			
	MEP Ceiling mounted AHU Installation/Connection (GL 1-6,	54				04-Jun-18	_		-18	;				: :		: : :	ï		7			_			
	MEP- 2nd Fiix (Cabling)-(GL 1-10)	54	25-Apr-18	30-Jun-18	23-Jan-18 A	21-May-18	0%	20%	33	1		-							:	1 1				-	
BS-B2-10	MEP-1st/2nd Fix Installation (GL 1-3)	40	24-Nov-17	13-Jan-18	02-Jan-18 A	16-May-18	100%	12%	-97	i	; ;	į					- 1		i						
BS-B2-10	MEP-1st/2nd Fix Installation (GL 3-6)	40	13-Jan-18	05-Mar-18	02-Jan-18 A	16-May-18	100%	12%	-57	I				j		ii	<u></u> }								
BS-B2-10	MEP-1st/2nd Fix Installation (GL 6-10)	27	05-Mar-18	10-Apr-18	24-Jan-18 A	03-May-18	79.42%	10%	-19	-	: :	;		 :	:		-					1			
	oilet Lobby																								
	ilet at GL 6,D ABWF-Block Wall	7	20-Oct-17	27-Oct-17	09-Dec-17 Λ	11-Apr-18	100%	10%	-130	;		!													
	ABWF-Ceiling Close up/Ceiling Finish	7		28-Dec-17		· ·	100%		-92																
	ABWF-Ceiling Grid/Ceiling Panel with Service Openings	-		14-Dec-17	· ·	24-Apr-18		0%		H				<u> </u>											
		7			· ·	24-Apr-18	100%	0%	-102								_								
	ABWF-Cublic Partition	7		06-Jan-18	· ·	03-May-18	100%	0%	-92													1	}		
	ABWF-Final Fix-Sanitaryware/Sink/Door	5			03-May-18	-	100%	0%	-92																
	ABWF-Floor screeding/Wall Plastering/Tiling/Counter Steel		22-Nov-17		23-Dec-17 A		100%	25%	-102			-			-					h Divine (s.)	D		-1-4		
	ABWF/MEP Installation Completed	0		21-Jan-18		18-May-18	100%	0%	-117	<u> </u>	<u> </u>		 	ļ	¦ 	ļ			.	ABWF/ME	r Installa	πon Com	pieted,		
	MEP Dropper	3			09-Feb-18 A		100%	6.99%	-85			- 1	1					_							
	MEP Final Fix	7			09-May-18	-	100%	0%	-92			-	J									1	}		
	MEP-Low Level P&D Pipework, H/L 1st/2nd Fix	13	30-Oct-17	13-Nov-17	02-Jan-18 A	16-Apr-18	100%	22%	-122																
	et at GL 6, C	7.5	44.	00 5 1 15	02.5.1.12	04 1 1 1 2	40000	4.351	44.													-			
	ABWF/MEP Installation in Toilet (Detail refer to Public Toilet	72	14-Nov-17	08-Feb-18	U3-Feb-18 A	04-Jul-18	100%	12%	-114				1			·									
	ARWE/MED Installation in Toilet (Detail refer to Public Toilet	72	21 Nov 17	20 Ech 19	08 Ech 19 A	10 Jul 10	100%	70/	112		<u> </u>	<u> </u>		:	!	<u>i i i</u>	<u> </u>		1	<u> </u>			i	<u> </u>	
	ABWF/MEP Installation in Toilet (Detail refer to Public Toilet : ontrol Room & Security Equipmetn Rack Room (B2-1-048 & 0		Z1-INOA-1\	20-L60-18	09-L60-19 Y	10-Jul-18	100%	1%	-117																
Security Co		, 1 3)					4.000/	00/	110	[]							•						1		
	ABWF-Ceiling Frame w/service panels	7	05-Dec-17	12-Dec-17	23-Anr-18	()2-Mav-18	100%	0%	-110	11 :			• I		:				:	1	1 1		i		

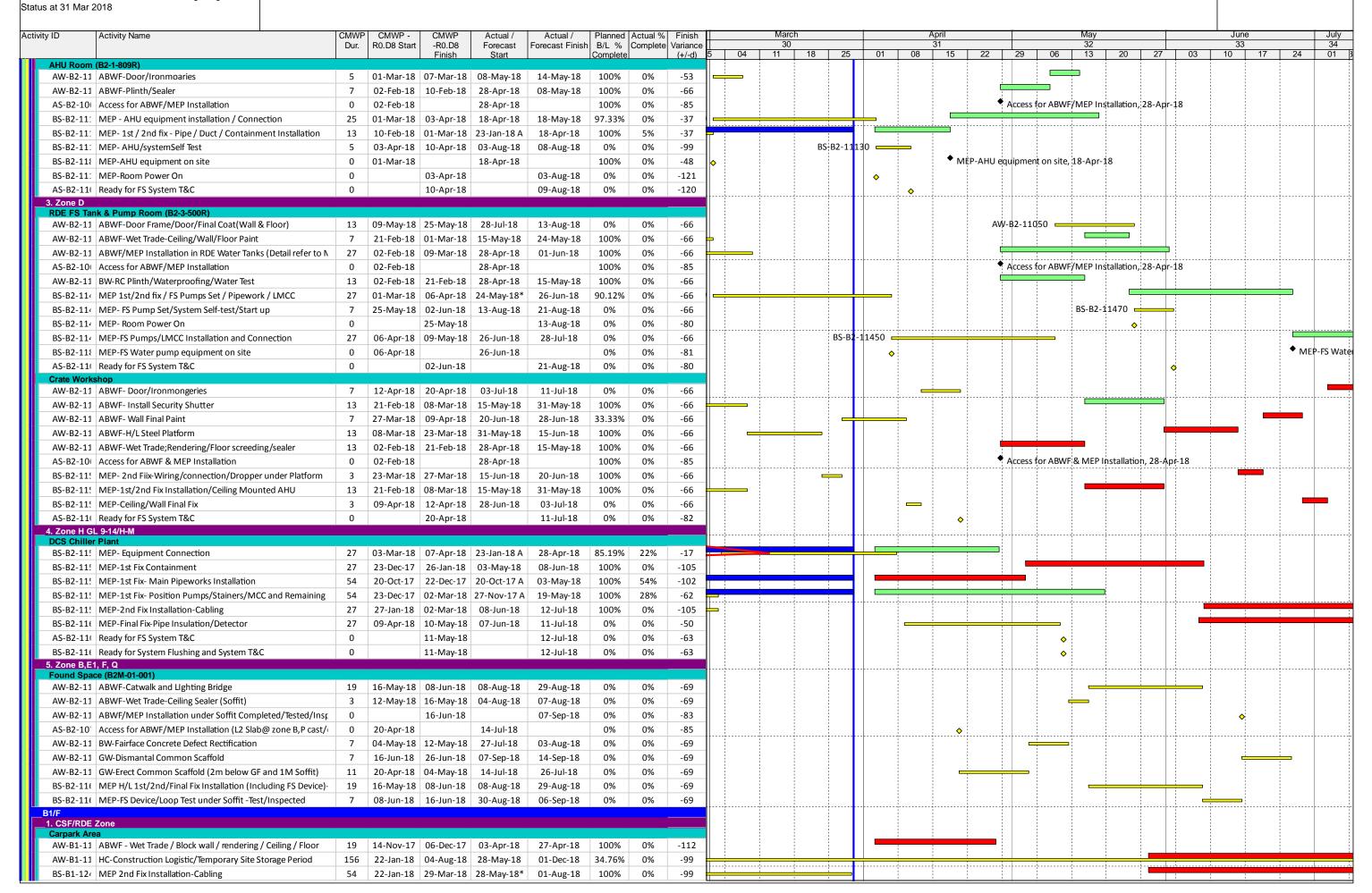
File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

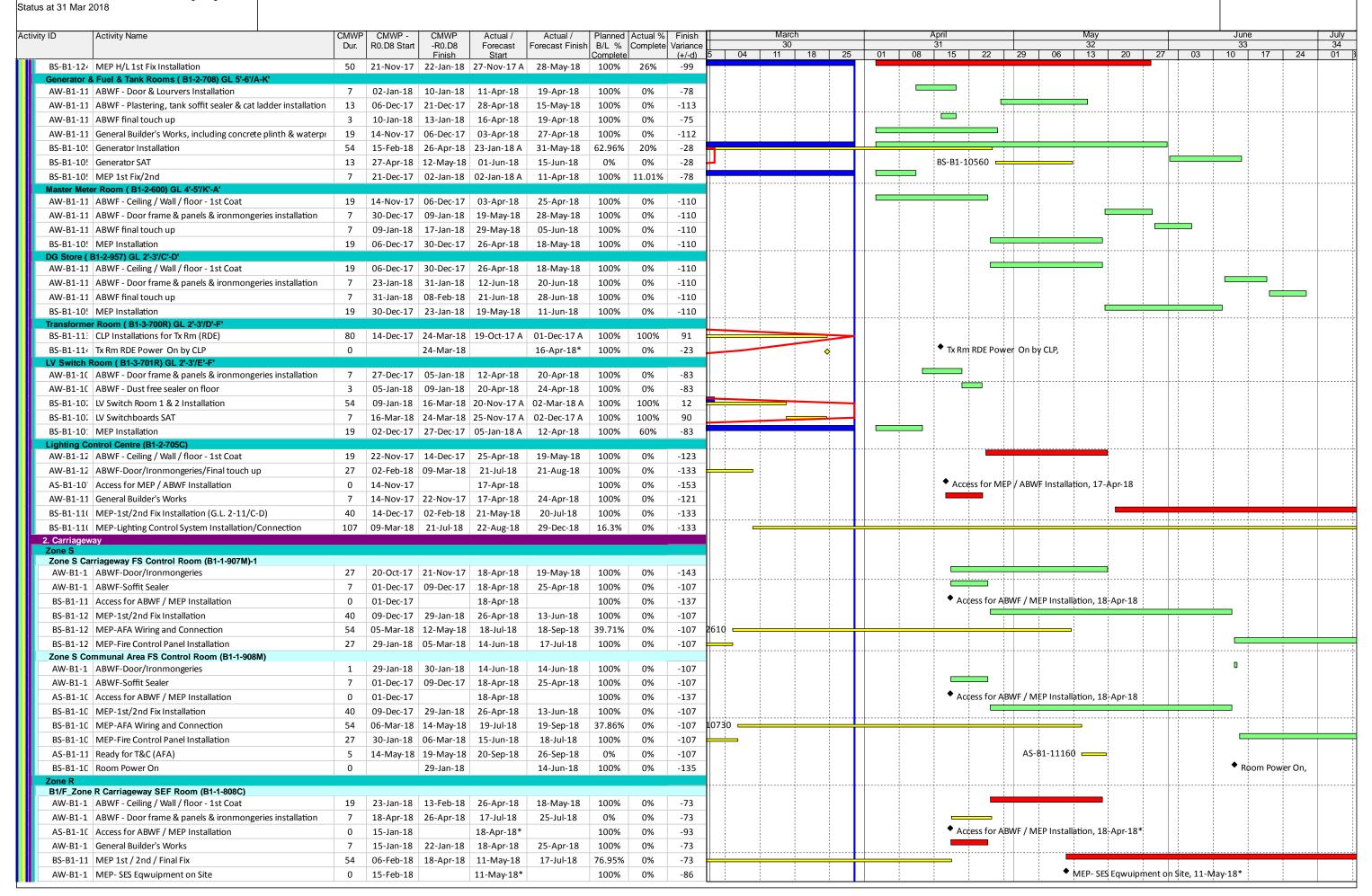
Activity ID Activity Name CMWP -Actual / Planned Actual % Finish Dur. R0.D8 Start -R0 D8 Forecast Forecast Finish B/L % Complete Variance 01 08 15 22 29 06 13 Finish Start Complete (+/-d)AW-B2-10 ABWF-Raised Floor Setting out/Padestal/Grid/Door 19-Dec-17 08-May-18 12-May-18 -113 AW-B2-10 ABWF-Wall Final Paint/Carpet 100% 0% -113 3 04-Jan-18 06-Jan-18 25-May-18 29-May-18 -128 AW-B2-10 ABWF-Wet Trade (up to 1st coat painting) - Ceiling/Wall/Flo 19 11-Nov-17 21-Apr-18 100% 25% AS-B2-10! ABWF/MEP Installation Completed 10-Jan-18 31-May-18 100% 0% -142 ABWF/MEP Installation Completed. BS-B2-10⁴ MEP H/L and Walll 1st/2nd Fix MEP Installation 19 13-Nov-17 04-Dec-17 02-Jan-18 A 23-Apr-18 100% 21% -110 BS-B2-10¹ MEP- H/L Dropper 3 02-May-18 08-May-18 100% 0% -112 13-Dec-17 15-Dec-17 BS-B2-10! MEP-Final Fix 100% 0% -113 08-Jan-18 09-Jan-18 29-May-18 31-May-18 BS-B2-10! MEP-Floor Mounted Installation 7 20-Dec-17 29-Dec-17 12-May-18 21-May-18 100% 0% -113 BS-B2-11! MEP-Security Equipement Rack/Equipement/System Install: 120 22-Mar-18 18-Aug-18 10-Jul-18* 30-Nov-18 5.42% 0% -86 BS-B2-11910 = AW-B2-1(ABWF-Door Frame/Door/Final Coat(Wall & Floor) 13 09-Mar-18 | 23-Mar-18 | 30-Jun-18 16-Jul-18 100% 0% -90 BS-B2-10! MEP 1st/2nd fix- Pipe/duct/containment Installation 30-May-18 100% 6% -90 05-Dec-17 03-Feb-18 02-Jan-18 A BS-B2-11160 r -90 BS-B2-11: MEP- Pump Set/System Self-test/Start up 24-Mar-18 04-Apr-18 24-Jul-18 71.43% 0% BS-B2-11: MEP- Room Power On 0 24-Mar-18 100% 0% -115 MEP-FS Water pump equipment on site, 31-Ma BS-B2-11 MEP-FS Water pump equipment on site 04-Feb-18 31-May-18 100% 0% -116 BS-B2-10! MEP-Pumps/LMCP Installation/Connection 25 05-Feb-18 08-Mar-18 31-May-18 100% 0% -90 29-lun-18 06-Apr-18 AS-B2-10! Ready for System T&C 25-Jul-18 0% 0% -110 AW-B2-10 ABWF-Door Frame/Door/Final Coat(Wall & Floor) 16-Mar-18 03-Apr-18 31-Jul-18 92.31% 0% -97 BS-B2-11: ABWF-Wet Trade (Plastering/Floor Screeding/1st coat paint 13-Nov-17 04-Dec-17 02-Jan-18 A 02-Mar-18 A 100% -69 BS-B2-11' MFP 1st/2nd fix Pine / containment Installation 100% 4% -97 05-Dec-17 08-Feb-18 16-Jan-18 A 12-Jun-18 BS-B2-11220 -BS-B2-11: MEP- P&D Pump Set/System Self-test/Start up -97 04-Apr-18 | 12-Apr-18 31-Jul-18 08-Aug-18 0% 0% BS-B2-117 MEP- Room Power On 0 0% 0% -119 04-Apr-18 31-Jul-18 BS-B2-117 MEP-Pumps/LMCC Installation and Connection 27 09-Feb-18 | 15-Mar-18 | 12-Jun-18 16-Jul-18 100% 0% -97 MEP-Water pump equipment o BS-B2-111 MEP-Water pump equipment on site 0 100% 0% -124 09-Feb-18 12-Jun-18 0 -118 AS-B2-10! Ready for System T&C 13-Apr-18 08-Aug-18 0% 0% AW-B2-10780 = AW-B2-1(ABWF-Door Frame/Door/Final Coat(Wall & Floor) 16-Mar-18 03-Apr-18 14-Jul-18 30-Jul-18 92.31% 0% -95 -98 AW-B2-10 ABWF-Wet Trade (Plastering/Floor Screeding/1st coat paint 13-Nov-17 04-Dec-17 16-Jan-18 A 10-Apr-18 100% 75% BS-B2-11: MEP 1st / 2nd fix / Pipework 100% 6% -95 11-Jun-18 27 100% -95 BS-B2-117 MEP-FS Pumps / LMCC Installation and Connection 09-Feb-18 15-Mar-18 11-Jun-18 14-Jul-18 0% MEP-FS Water pump equipment BS-B2-11 MEP-FS Water pump equipment on site 0 09-Feb-18 100% 0% -122 Grease Trap Rm for Podium (B2-1-604M) 21-Apr-18 07-May-18 16-Aug-18 -96 AW-B2-10 ABWF-Door Frame/Door/Final Coat(Wall & Floor) 13 30-Aug-18 0% 0% BS-B2-11; MEP 1st / 2nd Fix 100% 5% -96 05-Dec-17 08-Feb-18 05-Feb-18 A 11-lun-18 BS-B2-11 MEP Greasp Trap Installation 09-Feb-18 20-Apr-18 12-Jun-18 15-Aug-18 72.22% 0% -96 BS-B2-11: MEP- Equipment System Self-test/Start up 16-May-18 24-May-18 08-Sep-18 15-Sep-18 0% 0% -96 R\$-R2-11310 BS-B2-11: MEP- Room Power On 08-May-18 | 15-May-18 | 31-Aug-18 07-Sep-18 -96 ◆ MEP-Grease trap room equipme 0 0% -123 BS-B2-118 MEP-Grease trap room equipment on site 09-Feb-18 100% 12-Jun-18 0 0% -114 AS-B2-111 Ready for System T&C 25-May-18 16-Sep-18 0% ater Water Tank at GL A. 9-AW-B2-10 ABWF-MW-Cat Ladder/Hatch Cover 05-Dec-17 | 19-Dec-17 | 16-Apr-18 05-May-18 100% 0% -107 AW-B2-10 ABWF-Wet Trade-Rendiering/Tile 13-Nov-17 04-Dec-17 19-Jan-18 A 16-Apr-18 -104 BS-B2-11: MEP-Pipework Assessiors and Final connection 20-Dec-17 | 06-Jan-18 | 05-May-18* 100% 0% -110 25-May-18 Ready for System T&C, AS-B2-111 Ready for System T&C 0 07-Jan-18 25-May-18 100% 0% -139 M+. CSF FS Water Tanks along GL A AW-B2-10 ABWF-MW-Cat Ladder/Hatch Cover 30-Jan-18 | 14-Feb-18 | 13-Apr-18 28-Apr-18 100% 0% -56 AW-B2-10 ABWF-Wet Trade-Rendiering/Tile 28-Dec-17 | 30-Jan-18 | 19-Jan-18 A 13-Apr-18 70% -56 BS-B2-11: MEP-Pipework Assessiors and Final connection 14-Feb-18 | 12-Mar-18 | 23-Jan-18 A 100% 2% -34 25-Apr-18 Ready for System T&C 0 -74 AS-B2-111 Ready for System T&C 12-Mar-18 25-May-18 100% 0% AW-B2-10 ABWF-Wet Trade-Patching up tie-bolt/Ceiling/Wall(2m belo 08-Feb-18 26-Feb-18 16-Jun-18 03-Jul-18 100% 0% -101 ◆ Access for ABWF/MEP Installation (GF Slab@ zone B cast, AS-B2-10 Access for ABWF/MEP Installation (GF Slab@ zone B cast/de 100% AW-B2-10 BW-Fairface Concrete Defect Rectification 100% 0% -101 08-Jun-18 31-Jan-18 07-Feb-18 15-Jun-18 AW-B2-10910 AW-B2-10 GW-Dismentle Scaffold -101 10-Aug-18 14.29% 0% AW-B2-10 GW-Erect Common Scaffold (2m below Soffit) 24-May-18 07-Jun-18 100% 0% -101 BS-B2-11: MEP H/L 1st/2nd/Final Fix Installation (Including FS Device)-100% -101 27-Feb-18 20-Mar-18 25-Jul-18 0% BS-B2-11: MEP Installation under Soffit Completed/Tested/Inspected 29-Mar-18 03-Aug-18 100% 0% -127 BS-B2-11: MEP-FS Device/Loop Test under Soffit -Test/Inspected 21-Mar-18 | 28-Mar-18 | 26-Jul-18 100% 0% -101 B\$-B2-11380 02-Aug-18

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme



File Name: 3MRP-30 Three Months Rolling Programme



Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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Activity ID Activity Name CMWP -Actual / Planned Actual % Finish R0.D8 Start -R0 D8 Forecast Forecast Finish B/L % Complete Variance 11 18 25 13 Finish Start Complete (+/-d)AW-B1-1 MEP-Equipment Installation and Connection 13-Jun-18 53.91% -73 ◆ MEP-SES Equipment On Site, 03-Apr-18 BS-B1-11 MEP-SES Equipment On Site 0 27-Mar-18 100% 0% -3 03-Apr-183 B1/F_Zone R Carriageway, including taxi drop off bays & pedestrian pavement GL 6'-2/A-M AW-B1-1 ABWF- Steel funiture installation 26-Jun-18 11-Oct-18 25-Oct-18 0% 0% -100 09-Jun-18 AW-B1-1 ABWF-Carriageway paving, road kerb and pedestrian paver 05-Feb-18 19-Jun-18 100% 0% -105 AW-B1-1 ABWF-Ceiling Sealer 18-Apr-18 20-Apr-18 -107 AW-B1-1 ABWF-Road marking 26-Jun-18 0% 0% -99 12-Jul-18 26-Oct-18 08-Nov-18 ◆ Access for ABWF / MEP Installation, 18-Apr-18 AS-B1-10 Access for ABWF / MEP Installation 0 01-Dec-17 18-Apr-18 100% 0% -137 BaP-B1-1 HC logistics / vehicle access 134 21-Dec-17 09-Jun-18 07-May-18 10-Oct-18 58.54% 0% -101 05-May-18 BS-B1-11 MEP-Carriageway 1st / 2nd Fix 05-Dec-17 21-Dec-17 21-Apr-18 100% 0% -105 BS-B1-11 MEP-Escalator (ES11, ES12) Installation 01-Dec-17 20-Jan-18 18-Apr-18 05-Jun-18 100% 0% -107 BS-B1-11 MEP-final fix -101 09-Jun-18 13-Jul-18 11-Oct-18 0% 0% 12-Nov-18 MAF / SEF Room (B1-1-800C, 802C, 803C) AW-B1-1 ABWF - Ceiling / Wall / floor - 1st Coat 15-Mar-18 11-Apr-18 09-Aug-18 31-Aug-18 AW-B1-1 ABWF - Door frame & panels & ironmongeries installation AW-B1-10570 0% 0% -118 AW-B1-10580 = AW-B1-1 ABWF final touch up 16-Jun-18 07-Nov-18 15-Nov-18 AS-B1-10 Access for ABWF / MEP Installation 07-Mar-18 100% 0% -147 01-Aug-18 AW-B1-1 General Builder's Works 07-Mar-18 | 15-Mar-18 01-Aug-18 09-Aug-18 100% 0% -118 BS-B1-10 MEP 1st / 2nd Fix 03-Apr-18 08-Jun-18 24-Aug-18 30-Oct-18 0% 0% -118 BS-B1-10 MEP-Equipment Installation /Connection 08-Jun-18 12-Jul-18 30-Oct-18 30-Nov-18 0% 0% -118 3. Zone A_M_E_N Corridors/Lobbys AW-B1-12470 AW-B1-1 ABWF- FS Ceiling Close up 28-Jun-18 13-Jul-18 04-May-18 19-May-18 0% 45 AW-B1-12460 AW-B1-1 ABWF-Ceiling Frame (FS Ceiling) 28-May-18 18-Apr-18 0% 45 AW-B1-12490 AW-B1-1 ABWF-Door/Ironmongeries 30-Jul-18 13-Aug-18 05-Jun-18 21-Jun-18 0% 0% 45 AW-B1-1 ABWF-Soffit Sealer 100% 0% -81 18-Dec-17 28-Dec-17 03-Apr-18 11-Apr-18 **-1**2480 AW-B1-1 ABWF-Wall Final Paint/Corner Potection 13 19-May-18 05-Jun-18 0% 0% 45 AW-B1-1 ABWF-Wet Trade; T-Post/Block Wall/Rendering (GL 1 to 3) 25 100% 40% -64 20-Apr-18 04-May-18 0% 0% 45 BS-B1-11 MFP- 2nd Fix (Cabling) 5% -7 19-Mar-18 28-May-18 21-Feb-18 A 05-lun-18 17.49% BS-B1-11 MEP-1st/2nd Fix Installation 27-Jan-18 | 19-Mar-18 | 15-Mar-18 A 52% -29 26-Apr-18 100% BS-B1-11 MEP-Ceiling Final Fix 13 14-Jul-18 28-Jul-18 19-May-18 05-Jun-18 0% 0% 45 1440 **BOH Workshop, Office and Facilities Rooms** AW-B1-12510 AW-B1-1 ABWF-Ceiling Frame/Grid (Office Ceiling Area) 28-May-18 12-Jun-18 20-Jun-18 05-Jul-18 0% -18 AW-B1-1 ABWF-Wet Trade; T-Post/Block Wall/Rendering/sealer 100% 20% -79 11-Dec-17 | 30-Jan-18 | 05-Dec-17 A 11-May-18 1-11470 BS-B1-11 MEP- 2nd Fiix (Cabling) 19-Mar-18 | 28-May-18 0% -18 12-May-18 19-Jun-18 17.49% BS+B1-11480 = BS-B1-11 MEP-FS/Lighting/A/C Dropper (Office Ceiling Area) 16-Jul-18 06-Jul-18 06-Aug-18 0% 0% -18 BS-B1-11 MEP-1st/2nd Fix Installation 30-Jan-18 21-Mar-18 12-May-18 30-May-18 100% 0% -54 **Toilets & Toilet Lobby** 19-Mar-18 27-Mar-18 28-Dec-17 A AW-B1- ABWF-Block Wall 100% 5% 11-Apr-18 -9 AW-B1-12600 AW-B1-: ABWF-Ceiling Close up/Ceiling Finish 23-May-18 | 31-May-18 | 21-May-18 30-May-18 0% AW-B1-12590 💳 AW-B1-: ABWF-Ceiling Grid/Ceilng Panel with Service Openings 10-May-18 18-May-18 09-May-18 1 AW-B1-12610 AW-B1-: ABWF-Cublic Partition 07-Jun-18 AW-B1-: ABWF-Final Fix-Sanitaryware/Sink/Door 08-Jun-18 16-Jun-18 0% 0% 1 AW-B1-12620 -07-Jun-18 15-Jun-18 AW-B1-12580 = AW-B1-: ABWF-Floor screeding/Wall Plastering/Tiling/Counter Steel 13 24-Apr-18 10-May-18 23-Apr-18 09-May-18 0% 0% AW-B1-12570 AW-B1-: ABWF-Waterproofing/Water Test 16-Apr-18 24-Apr-18 23-Apr-18 0% 0% 1 AS-B1-1 ABWF/MEP Installation Completed ABWF/MEP I 26-Jun-18 25-Jun-18 0% 0% BS-B1-11530 = BS-B1-1 MEP Dropper 3 18-May-18 23-May-18 17-May-18 21-Mav-18 0% 0% 1 BS-B1-1 MEP Final Fix 16-Jun-18 26-Jun-18 15-Jun-18 0% 0% BS-B1-11540 = 25-Jun-18 BS-B1-1 MEP-Low Level P&D Pipework, H/L 1st/2nd Fix 27-Mar-18 | 16-Apr-18 | 15-Jan-18 A 14-Apr-18 18.8% 25% Staff Toilet / Changing Room at GL 5-6, B AW-B2- ABWF/MEP Installation in Toilet (Detail refer to Public Toilet: 72 16-Apr-18 13-Jul-18 15-Jan-18 A 25-Jun-18 0% 11% 15 AW-B2 ABWF/MEP Installation in Toilet (Detail refer to Public Toilet; 72 23-Apr-18 20-Jul-18 15-Jan-18 A 14-Jun-18 0% 18% 30 oom 1 & 2 (B1-1-700 & B1-1-702) 80 | 14-Dec-17 | 24-Mar-18 | 19-Jan-18 A | 26-May-18 -49 BS-B1-11! CLP Installations for Tx Rm 1 & Rm 2 100% 45% BS-B1-11! Tx Rm 1 & 2 Power On by CLP 24-Mar-18 -64 Tx Rm 1 & 2 Power On by CLP, LV Main Switchroom 1 & 2 (B1-1-704 & B1-1-703

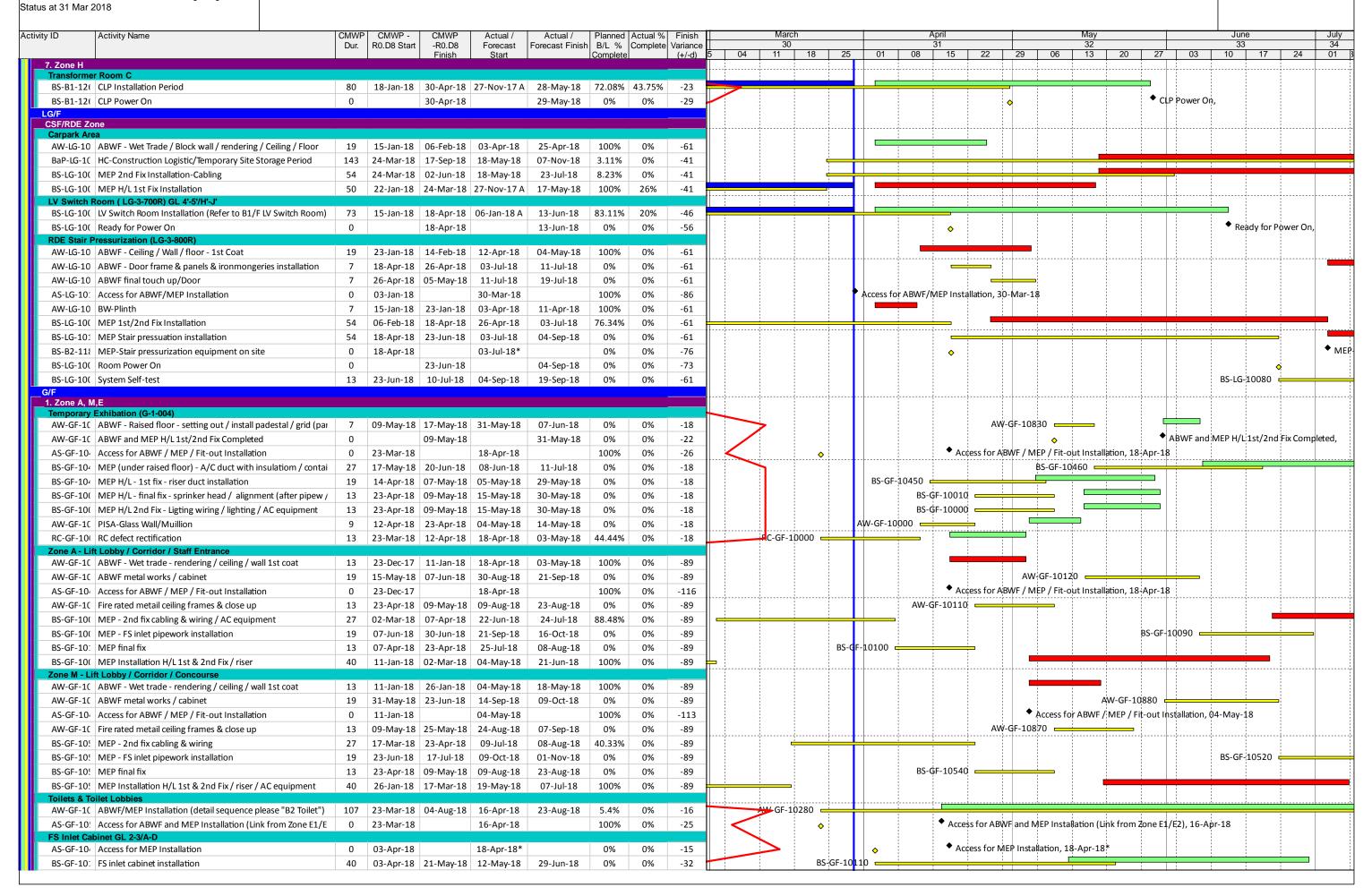
File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

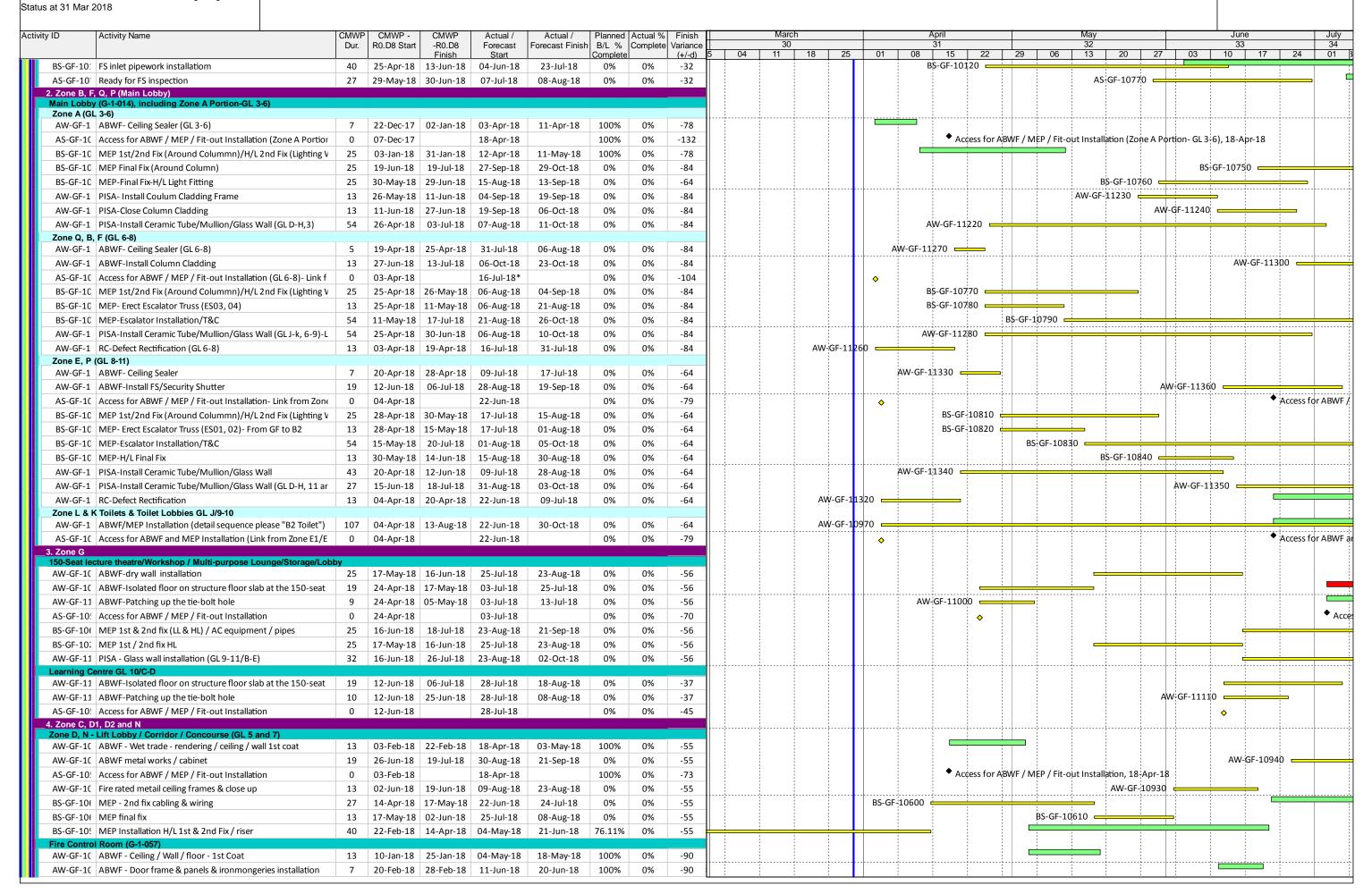
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y ID Activity Name	CMWP Dur.	CMWP - R0.D8 Start	CMWP -R0.D8	Actual / Forecast	Actual / Forecast Finish		Actual % Complete	Finish Variance		March 30		April 31			May 32			June 33	
			Finish	Start		Complete		(+/-d)	5 04	11 18 2	5 01	08 15	22	29 06	13	20 27	03	10 17	24
AW-B1-10 ABWF - Door frame & panels & ironmongeries installation	ı 7	11-Jan-18		06-Apr-18	14-Apr-18	100%	0%	-67			-								
BS-B1-10: Installation Completed and Ready for Power On	0		14-Mar-18		08-Apr-18	100%	0%	-25	<u> </u>	♦		Installation Com	pleted and F	Ready for Po	wer On,				
BS-B1-100 LV Switchboards SAT	13	27-Feb-18	13-Mar-18	05-Feb-18 A	02-Mar-18 A	100%	100%	10											
BS-B1-10(MEP- 1st/2nd Fix Installation	19	16-Dec-17	10-Jan-18	14-Oct-17 A	06-Apr-18	100%	75%	-67	i	i i i									
BS-B1-10(MEP- Installation Main Switch Board/Cabling/Terminatio	n 40	23-Jan-18	13-Mar-18	19-Jan-18 A	07-Apr-18	100%	90%	-18				I.							
Main IT Room (B1-1-954)	7	25 Jan 19	02-Feb-18	26 Apr 10	04 May 19	100%	00/	71											
AW-B1-12 ABWF-Ceiling Frame w/ service panels	/			•	04-May-18	100%	0%	-71	H							<u></u> i			
AW-B1-12 ABWF-Raised Floor Panel Close-up	3		21-Feb-18	· · · · · · · · · · · · · · · · · · ·	19-May-18	100%	0%	-71	-										
AW-B1-12 ABWF-Raised Floor Setting out/Padestal/Grid/Door	/		10-Feb-18		12-May-18	100%	0%	-71											
AW-B1-12 ABWF-Wall Final Paint	3				04-Apr-18	100%	50%	-30				<u> </u>							
AW-B1-12 ABWF-Wet Trade (Up to 1st coat painting) - Ceiling / Wal		08-Dec-17	03-Jan-18	03-Apr-18	25-Apr-18	100%	0%	-90	-							♦ A DVA/E/A 4ED 1		nlatad (Daadu f	FC TO C)
AW-B1-12 ABWF/MEP Installation Completed (Ready for FS T&C)	0		02-Mar-18		18-May-18	100%	0%	-77				 				ABWF/MEP Inst	allation Com	pieted (Ready f	or FS 1&C),
AW-B1-12 Ceiling close up	3	06-Feb-18			11-May-18	100%	0%	-71	-					_	_				
BS-B1-11(ELV- Backbone Cabling From Various Floors	107		14-Jul-18	· · · · · · · · · · · · · · · · · · ·	22-Sep-18	22.22%	0%	-61	- -			1 1		-	- 1	1 1	-	:	-
BS-B1-11t ELV- Equipment Rack Installation	13		17-Mar-18	· · · · · · · · · · · · · · · · · · ·	02-Jun-18	100%	0%	-61									_		
BS-B1-11! MEP H/L and Wall 1st/2nd Fix MEP Installation	19			27-Nov-17 A	· ·	100%	16%	-68	-										
BS-B1-11(MEP Wall & Ceiling Final Fix	5		02-Mar-18	•	17-May-18	100%	0%	-61	F	ļ		ļ	ļļļ						
BS-B1-11! MEP-Floor Mounted Installation	3		14-Feb-18		16-May-18	100%	0%	-71						<u> </u>					
BS-B1-11! MEP-H/L Dropper	3			05-May-18	08-May-18	100%	0%	-71						-					
Central Control Centre & Central Control Centre Equip. Rm & Netwo				46 1 15	24 1 12	004	001	==											
AW-B1-1C ABWF/MEP Installation in Central Control Equipment Rn		· ·	26-Jun-18		31-Aug-18	0%	0%	-56											
AW-B1-1C ABWF/MEP Installation in Central Control Centre (Detail I			19-Jun-18		24-Aug-18	0.71%	0%	-56	 	ļ									
AW-B1-1C ABWF/MEP Installation in Network Operation Centre (De		<u> </u>	04-Jul-18	26-Jun-18	08-Sep-18	0%	0%	-56	-										
AS-B1-10: Access for ABWF/MEP Installation		29-Mar-18		09-Jun-18		100%	0%	-72			4						Ĭ	Access for ABW	/F/MEP Insta
Cafe kitchen (B1-1-044) GL 10-12/A-E & Catering Kitchen (G.L. 10 / E AW-B1-1C ABWF-Waterproofiing & floor screeding/Rendering/Tile		04-May-18	04-lun-19	02-May-19	02-Jun-18	0%	0%	1				_	W-B1-1073	, –		<u>i i i i i i i i i i i i i i i i i i i </u>			
AS-B1-10: Access for ABWF/MEP Installation		29-Mar-18		05-Iviay-18 05-Feb-18 A	02-Juli-18	100%	100%	53	-		Accoss for	ABWF/MEP Insta	1 1	i	-		T i		
BS-B1-10: KIT-Installation Kitchen Equipment					10 1 10			33	H		Access 10	ADVVF/IVIEF IIISta	Mation, US-FE	:D-10 H		BS-B1-10250			
	38		20-Jul-18		19-Jul-18	0%	0%	1	i			<u>i i i i i i i i i i i i i i i i i i i </u>				D3-D1-10230		1	
BS-B1-10: MEP 1st / 2nd fix	19	29-Mar-18			24-Apr-18	2.34%	7%	1	-			DC D1 1166		_					
BS-B1-11(MEP- Install Floor Drain/Wall Concealed Pipework	/	· ·	04-May-18	· ·	03-May-18	0%	0%	1	-			BS-B1-1166	0 -				DC D	1 11600	
BS-B1-11(MEP-2nd fix-connection to Kitchen Equipment/Cabling 4. Zone B F Q P	38	20-Jun-18	03-Aug-18	19-Jun-18	03-Aug-18	0%	0%	1			T						B3-B	31-11690 -	
Main Lobby										 		†	 						
AW-B1-12 ABWF - Ceiling / Wall Sealer	13	14-Jun-18	29-Jun-18	27-Sep-18	13-Oct-18	0%	0%	-87										-	-
AS-B1-10: Access for ABWF/MEP Installation	0	14-Jun-18		27-Sep-18		0%	0%	-105	1									♦	
BS-B1-11. MEP Installation H/L 1st & 2nd Fix	54	29-Jun-18	01-Sep-18	12-Oct-18	15-Dec-18	0%	0%	-87											+
5. Zone C_D1									<u> </u>			ļ							
BOH Corrodior along G.L.J							221												
AW-B1-12 ABWF-Sealer paint			10-Mar-18		04-Aug-18		0%	-118	-										
AS-B1-10: Access for ABWF/MEP Installation	0	07-Mar-18		01-Aug-18		100%	0%	-147	\										
BS-B1-11: MEP 1stFix-Main Chilled Water Header Installation/Conn		10-Mar-18	-			30.25%	0%	-118	-							-			
BS-B1-11: MEP-1st/2nd Fix-PD/FS pipe/Containment/Wiring/CHW		18-May-18		09-Oct-18	12-Dec-18	0%	0%	-118	H	 		ļ	<u> </u>						
BS-B1-11: Ready for System Flushing	0		18-May-18		09-Oct-18	0%	0%	-144								♦		!	
ICT Riser Room AW-B1-12 ABWF-Door/Iromongaries	2	26-Mar-19	29-Mar-18	20-Διισ-19	23-Aug-18	100%	0%	-118	1	_									
AW-B1-12 ABWF-Sealer paint		07-Mar-18			04-Aug-18	100%	0%	-118	1	-									
AS-B1-10: Access for ABWF/MEP Installation	0	07-Mar-18	10-iviai-10	01-Aug-18 01-Aug-18	04-Mug-10	100%	0%	-118										 	
BS-B1-11: MEP 1st/2nd Fix	-		26-Mar 10		20-Aug-18	100%							 						
AS-B1-10: Ready for DC Access	0	10-ivia[-18		04-Hug-10	-		0%	-118 -147											
ELV Room	U		29-Mar-18		23-Aug-18	100%	0%	-14/			1								
AW-B1-12 ABWF Sealer paint	3	07-Mar-18	10-Mar-18	01-Aug-18	04-Aug-18	100%	0%	-118											
AW-B1-12 ABWF-Door / Ironmongaries					23-Aug-18	100%	0%	-118	1	_	_								
AS-B1-10: Access for ABWF/MEP Installation	0	07-Mar-18		01-Aug-18	- 5	100%	0%	-147	 	 		 	<u> </u>	<u>-</u>				!	
BS-B1-11: ELV- Equipment Ract / Cabling / Connection		29-Mar-18			24-Sep-18	1.23%	0%	-118											
BS-B1-11: MEP 1st/2nd Fix					20-Aug-18	100%	0%	-118	1					-					
AS-B1-11 Ready for ELV system T&C	0	TO IVIUI-TO	05-May-18	o i Aug-10	24-Sep-18	0%	0%	-142	1										
6. Zone G	U		OS IVIGY-10		24-3ch-10	070	070	144						Y					
Museum Cafe												1	:						
AW-B1-11 ABWF-Floor Screeding	7	25-Jun-18	04-Jul-18	11-Oct-18	20-Oct-18	0%	0%	-90											-
				24-Sep-18		00/	00/	100	H i	1 1	I 1	i i	, , ,		1	1 1		į	
AS-B1-10: Access for ABWF / MEP Installation	0	08-Jun-18		24-3ep-18		0%	0%	-108	11 :						i		♦	į	

File Name: 3MRP-30 Three Months Rolling Programme



File Name: 3MRP-30 Three Months Rolling Programme



Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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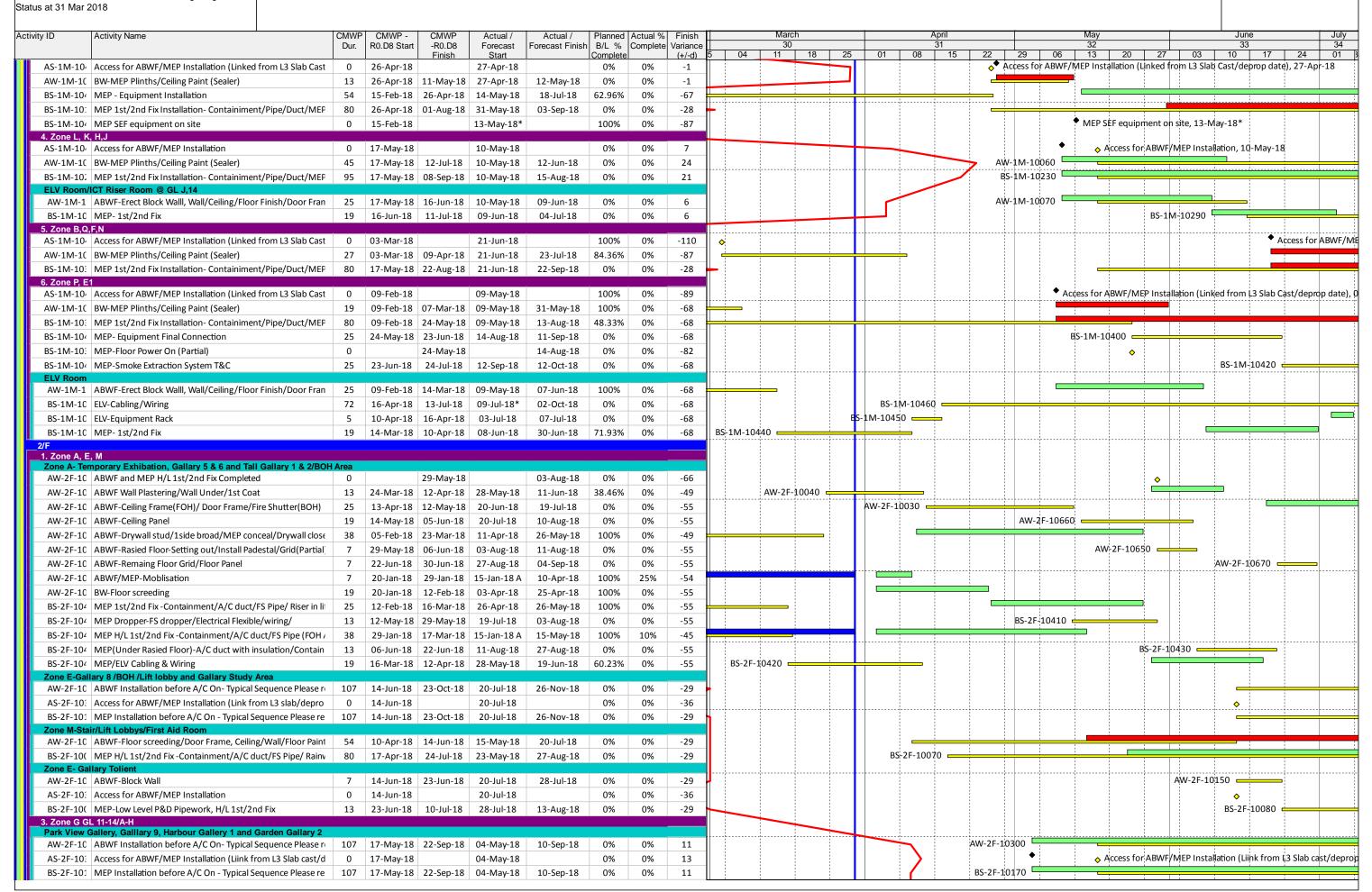
Activity Name	CMWF		Actual /	Actual /		Actual %		Marc				April			May			June	
	Dur.		Forecast Start	Forecast Finisl		Complete				25	01 (5 22	29	06 13 20	27	03 1		24
ABWF final touch up	7			04-Jul-18		0%		0	10	20	0.		1 22	20	00 10 20		00 1		
·	0											•	Access for A	BWF/MEP I	nstallation, 18-Apr-1	8			
	13		· ·	03-May-18											, ,				
				1						}					ii				
								5 55 40000											
•	80	12-Mar-18 21-Jun-18	04-Jul-18	08-Oct-18	18.89%	0%	-90 B	3S-GF-10380 ====	1										
	7	00 May 19 17 May 19	20 Jul 19	27 Jul 10	00/	09/	Ε0												
				2/-Jul-18						!									
		· ·													<u> </u>				
MEP 1st/2nd Fix -Containment/A/C/duct/FS Pipe/ Riser	25	17-May-18 16-Jun-18	28-Jul-18	25-Aug-18	0%	0%	-59			1								_	
MEP Cabling & Wiring	19	16-Jun-18 11-Jul-18	27-Aug-18	17-Sep-18	0%	0%	-59												
PISA-Glass Wall/Ceramic Mullion	23	17-May-18 14-Jun-18	28-Jul-18	23-Aug-18	0%	0%	-59							AD-	GF-10080 ———	-		-	
Pavement Works (Around M+ Podium)			ı	1															
· · · · · · · · · · · · · · · · · · ·	0	03-Feb-18	18-Apr-18		100%	0%	-73						Access for A	BWF / MEP	Installation (GLA, 1-	7), 18-Apr-1	8	<u> </u>	
Concrete bedding & precast concrete bench (GL A, 1-7)	19	16-Mar-18 12-Apr-18	28-May-18	19-Jun-18	60.23%	0%	-55	PW-M-10130 =	1	1	+ :	-							
MEP P/D & ELE / ELV 1st & 2nd fix (GL A,1-7)	13	01-Mar-18 16-Mar-18	11-May-18	26-May-18	100%	0%	-55			į					1 1	-			
Pavement Work (GL A, 7-14)- (Detail Sequence refer to F	ct I 32	21-May-18 29-Jun-18	28-Jul-18	03-Sep-18	0%	0%	-55								PW-M-10400 —		!	1 1	_
Pavement Work (GL A-E, 1-3)- (Detail Sequence refer to	Act 32	12-Apr-18 21-May-18	20-Jun-18	27-Jul-18	0%	0%	-55				PW-M-10200) _	-						
Pavement Work (GL A-G, 11-14)- (Detail Sequence refer	to / 32	29-Jun-18 07-Aug-18	04-Sep-18	12-Oct-18	0%	0%	-55											PW-M-10700	0 =
, , , , , , , , , , , , , , , , , , , ,					0%	0%	-55		i	† † -					PW-M-10300 ==				
, , , , , ,				· ·														PW-M-10500	0 =
			•	1														10000	, -
waterproofing / test / insulation layer / screeding (GEA, 1	7, 13	03-160-18 01-Wal-18	18-Apr-18	10-iviay-18	100%	0 /8	-55												
										!									
					,														
ABWF - Ceiling sealer application	7	25-Jun-18 03-Jul-18	08-Sep-18	15-Sep-18	0%	0%	-64											_	_
ABWF - Erection of scafflding / working platform	7	31-May-18 07-Jun-18	16-Aug-18	23-Aug-18	0%	0%	-64			1						+	—		
RC defects rectifications	13	08-Jun-18 23-Jun-18	24-Aug-18	07-Sep-18	0%	0%	-64										<u> </u>		
Roof Terrence																	.		
Access date for Escalator MEP installation (Link from activ	∕ity 0	31-May-18	16-Aug-18		0%	0%	-77									♦			
Construction of RC canopy cover	25	25-Jun-18 24-Jul-18	08-Sep-18	09-Oct-18	0%	0%	-64											_	
MEP - Escalator truss installation	13	31-May-18 14-Jun-18	16-Aug-18	30-Aug-18	0%	0%	-64									+		_	
MEP - FS sprinkler pipe / head installation in the escalato	rst 7	15-Jun-18 23-Jun-18	31-Aug-18	07-Sep-18	0%	0%	-64												
ntre																			
ABWF / MEP - Competed for FS inspection (refer ro G/F I	ear 156	12-Jun-18 17-Dec-18	28-Jul-18	13-Nov-18	0%	0%	29										=		_
Shop / office / Lobby)																			
ABWF / MEP - Competed for FS inspection (refer ro G/F I	√u: 121	09-May-18 03-Oct-18	20-Jul-18	11-Dec-18	0%	0%	-59									1 1		1 1	
<i>'</i>	27	15 Nov 17 15 Doc 17	05 Fob 18 A	OF May 19	100%	20/	100			<u> </u>			-						
,														<u> </u>					
· · ·				· · · · · · · · · · · · · · · · · · ·					i			i							
•	27	04-May-18 05-Jun-18	12-Sep-18	16-Oct-18	0%	0%	-109						BS-1M-1	0030 —	1 1				
· · · · · · · · · · · · · · · · · · ·	25	46 Dec 47 47 Jan 40	40 1 40 4	26 A 40	4.000/	200/	70				 i								
	80											!	!						_
· ·	7	09-Feb-18 20-Feb-18	21-May-18	29-May-18		0%	-78						_						
MEP- 1st/2nd Fix	19	18-Jan-18 08-Feb-18	27-Apr-18	19-May-18	100%	0%	-78						_						
02			1																
						0%				1		Access f	or ABWF/ME	Pinstallatio	n (Linked from L3 Sla	b Cast/depro	p date), 11-A	pr-18	
, , ,		29-Jan-18 13-Feb-18	11-Apr-18	25-Apr-18	100%	0%	-55					- 1	_						
MEP 1st/2nd Fix Installation- Containiment/Pipe/Duct/N	ИЕР 80	13-Feb-18 28-May-18	26-Apr-18	01-Aug-18	44.72%	0%	-55	1 1	1	1	1	1	-		1 1	-		1	
MEP- Equipment Connection	25	28-May-18 27-Jun-18	02-Aug-18	30-Aug-18	0%	0%	-55								BS-1M-10	110		- - -	1
MEP-Floor Power On (Partial)	0	28-May-18		02-Aug-18	0%	0%	-66									♦			
MEP-Smoke Extraction System T&C	27	· · · · · · · · · · · · · · · · · · ·			0%	0%	-90]	[[1				
CT Riser Room @ GL K,4																			
	ran 25	29-Jan-18 02-Mar-18	11-Apr-18	10-May-18	100%	0%	-55	-				;	1		_				
ABWF-Erect Block Walll, Wall/Ceiling/Floor Finish/Door F	Tull 23																		
ABWF-Erect Block Walll, Wall/Ceiling/Floor Finish/Door F ELV-Cabling/Wiring		03-Apr-18 30-Jun-18	09-Jun-18*	03-Sep-18	0%	0%	-55					-	-				-		
				03-Sep-18 08-Jun-18		0% 0%	-55 -55												
	ABWF final touch up Access for ABWF/MEP Installation General Builder's Works MEP Cabling & Wiring MEP Installation H/L 1st & 2nd Fix MEP-Fire Control System Installation/Connection p / Other Area Access for ABWF / MEP / Fit-out Installation MEP 1st/2nd Fix - Containment/A/C/duct/FS Pipe/ Riser MEP Cabling & Wiring MEP Cabling & Wiring MEP Cabling & Wiring MEP Cabling & Wiring MEP Cabling & Wiring MEP Cabling & Wiring MEP Cabling & Wiring MEP Cabling & Wiring MEP Cabling & Wiring MEP Cabling & Wiring MEP P/D & ELE / ELV 1st & 2nd fix (GL A, 1-7) MEP MEP Mer Let / ELV 1st & 2nd fix (GL A, 1-7) MEP MEP Mork (GL A, 7-14) - (Detail Sequence refer to A 2 avernent Work (GL A, 6, 11-14) - (Detail Sequence refer to A 2 avernent Work (GL A-E, 1-3) - (Detail Sequence refer to A 2 avernent Work (GL A-G, 11-14) - (Detail Sequence refer to A 2 avernent Work (GL A-G, 11-14) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 avernent Work (GL K-M, 3-8) - (Detail Sequence refer to A 2 av	ABWF final touch up Access for ABWF/MEP Installation Coeneral Builder's Works ABP Cabling & Wiring MEP Cabling & Wiring MEP Installation H/L 1st & 2nd Fix MEP-Fire Control System Installation/Connection MEP Installation H/L 1st & 2nd Fix MEP-Fire Control System Installation/Connection MEP 1st/2nd Fix -Containment/A/C/duct/FS Pipe/ Riser Access for ABWF / MEP / Fit-out Installation MEP 1st/2nd Fix -Containment/A/C/duct/FS Pipe/ Riser Access for ABWF / MEP / Fit-out Installation MEP 1st/2nd Fix -Containment/A/C/duct/FS Pipe/ Riser Access for ABWF / MEP Installation (GL A, 1-7) MEP 1st/2nd Fix -Containment/A/C/duct/FS Pipe/ Riser Access for ABWF / MEP Installation (GL A, 1-7) Access for ABWF / MEP Installation (GL A, 1-7) Access for ABWF / MEP Installation (GL A, 1-7) Access for ABWF / MEP Installation (GL A, 1-7) Access for ABWF / MEP Installation (GL A, 1-7) Access for ABWF / MEP Installation (GL A, 1-7) Accessed to the Meritary of the Meritary of the Access of the Meritary of the Meritary of the Access of the Meritary of the Meritar	Dur RO.DB Start Finish Duf. RO. 8 Start Forecast Forecast Start S	No. No. Received Processed Finish State Processed Processed Finish State Processed Finish State Processed Processe	Dur ROLD Stant FROLD FROLD FROLD FROLD FROLD Front F	Dut RO.DB Start FRO.DB Floridary Due ROLD Bland ROLD ROLD Bland ROLD Roceast Fineshalf Forecast Finish It Complete Various Va	March Part March Part March Part Dec Bolls State Forecast Dec Solid State Solid St	March Part Month Mont	March Marc	March Foundations	March Salahamana	March Marc	No. 1 (1978) (19	Mathematics Mathematics					

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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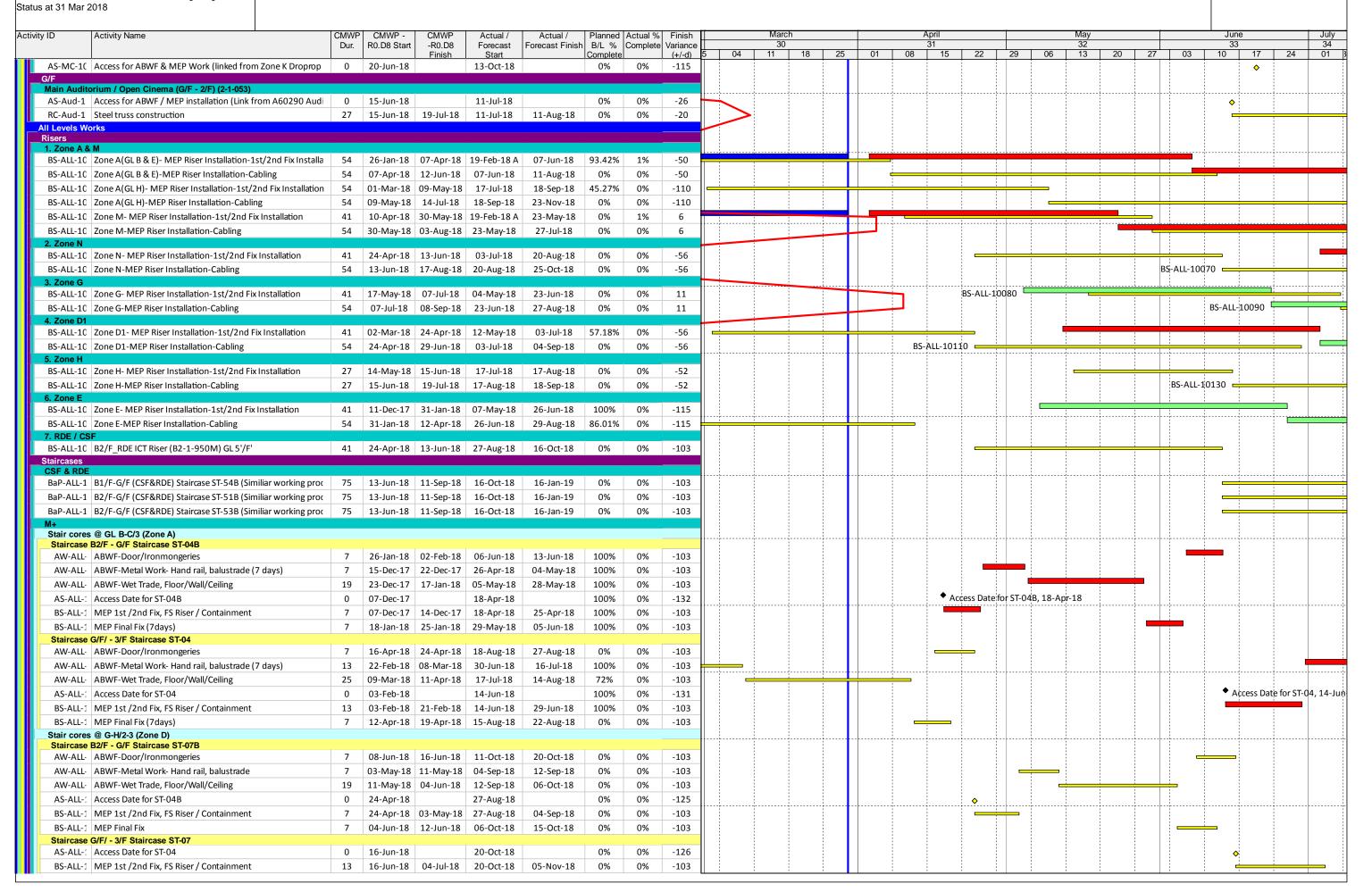
File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

Activity ID Activity Name CMWP -Actual / Planned Actual % Finish Dur. R0.D8 Start -R0.D8 Forecast Forecast Finish B/L % Complete Variance 22 29 06 13 20 27 03 10 17 24 01 Finish Gallary 10 and Courtyard View Gallary 05-Oct-18 AW-2F-10260 AW-2F-10 ABWF Installation before A/C On-Typical Sequence Please re 89 20-Jun-18 06-Jun-18 19-Sep-18 0% 0% 11 Access for ABWF/MEP Installation (Liink from L3 Slab cast/depro AS-2F-10: Access for ABWF/MEP Installation (Liink from L3 Slab cast/d 0 04-May-18 0% 0% 13 17-May-18 BS-2F-10140 = BS-2F-101 MEP Installation before A/C On - Typical Seguence Please re 89 09-Jun-18 24-Sep-18 28-May-18 0% 0% 11 2. Zone C. D1 and D2 AW-2F-10 ABWF Installation before A/C On- Typical Sequence Please r 14-Jun-18 26-Sep-18 07-Aug-18 0% 0% -44 ◆ Access for ABWF/MEP Installation (Lijnk from L3 Precast-Wall and AS-2F-10¹ Access for ABWF/MEP Installation (Liink from L3 Precast-Wa 0 26-Jan-18 17-May-18 100% 0% -111 BS-2F-102 MEP Installation before A/C On - Typical Sequence Please re 14-Jun-18 | 26-Sep-18 | 07-Aug-18 0% 0% -44 19-Nov-18 100% AW-2F-10 Skylight Installation Completed (Link from Act ID 47350) 29-Mar-18 18-Jul-18 0% -111 Zone D1- Plaza view Gallery, Gallery 1-4 and 14 &15 and BOH along GL M & GL 5-6 AW-2F-10 ABWF Installation before A/C On- Typical Sequence Please ri 94 21-Mar-18 18-Jul-18 17-May-18 7.92% 0% -44 ◆ Access for ABWF/MEP Installation (Liink from L3 Slab cast/depro AS-2F-10: Access for ABWF/MEP Installation (Liink from L3 Slab cast/d 0 21-Mar-18 17-May-18 100% 0% -57 \Diamond BS-2F-102 MEP Installation before A/C On - Typical Sequence Please re 94 21-Mar-18 18-Jul-18 17-May-18 07-Sep-18 7.92% 0% -44 5. Zone B, Q, F, P, E1 Zone P- Jukebox Gallary and Gallary 11 AW-2F-10 ABWF Installation before A/C On-Typical Sequence Please r 80 0% 0% -83 AS-2F-10¹ Access for ABWF/MEP Installation (Liink from L3 Slab cast/d 0 01-Apr-18 18-Jul-18 0% 0% -108 AS-2F-10! Facade Completed and Weathertight 100% 0% -111 0 29-Mar-18 18-Jul-18 20-Jan-18 05-Jun-18 08-May-18 AW-2F-10 ABWF Installation before A/C On-Typical Sequence Please r 107 12-Sep-18 51.82% 0% -83 ◆ Access for ABWF/MEP Installation (Liink from L3 Slab cast/deprop date-zone AS-2F-10¹ Access for ABWF/MEP Installation (Liink from L3 Slab cast/d 0 20-Jan-18 100% 0% -107 Facade Completed and Weathertight, AS-2F-10t Facade Completed and Weathertight 0 23-May-18 23-May-18* 0% 0% Ω BS-2F-102 MEP Installation before A/C On - Typical Sequence Please re 107 20-Jan-18 05-Jun-18 08-May-18 12-Sep-18 51.82% 0% -83 4. Zone L, K, H, J Access for ABWF/MEP Installation (Liink from L3 Slab cast/deprop date-AS-2F-10¹ Access for ABWF/MEP Installation (Liink from L3 Slab cast/d 0 21-Mar-18 12-May-18 100% 0% -52 Zone L. K. H- Open Gallary, Harbour View Gallary, Corridor and BOH AW-2F-10 ABWF Installation before A/C On-Typical Sequence Please ri 107 14-Jun-18 23-Oct-18 17-Jul-18 AS-2F-104 Access for ABWF/MEP Installation (Liink from L3 Slab cast/d 0 14-Jun-18 17-Jul-18 0% 0% **\Q** Roof Terrace -87 AW-3F-10 ABWF - Garden hard landscape 54 24-May-18 28-Jul-18 05-Sep-18 10-Nov-18 0% 0% AW-3F-10 ABWF-Wet Trade / Screeding / Water Proofing / Test / Insula 26-Jan-18 15-Mar-18 17-May-18 100% 0% -87 ◆ ABWF/MEP Access Installation, 17-May-18 AS-3F-11(ABWF/MEP Access Installation 26-Jan-18 17-May-18 100% 0% -111 BS-3F-10(MEP-1st & 2nd Fix -87 15-Mar-18 24-May-18 04-Jul-18 05-Sep-18 23.05% 0% Zone P AW-3F-1 PISA-Skylight Installation 23 02-Mar-18 29-Mar-18 20-Jun-18 18-Jul-18 100% 0% -87 AW-3F-1 Zone P Remaining Structure for Skylight (Link from Zone P 3 27 26-Jan-18 02-Mar-18 17-May-18 -87 20-Jun-18 0% Zone B & D AW-3F-1 ABWF-Wet Trade / Screeding / Water Proofing / Test / Insula 11-May-18 02-Jun-18 19-Jul-18 10-Aug-18 0% 0% -57 ◆ ABWF/MEP Access Installation, 12-May-18 AS-3F-11 ABWF/MEP Access Installation -71 02-Mar-18 12-May-18 100% 0% BS-3F-10 MEP-1st & 2nd Fix 04-Jun-18 06-Jul-18 10-Aug-18 0% 0% -57 Zone C AW-3F-1 PISA-Skylight Installation 0% 0% -57 13-Apr-18 | 10-May-18 | 21-Jun-18 19-Jul-18 AW-3F-1 | REL-Precast Wall / Roof Ready 27 08-Mar-18 | 12-Apr-18 | 18-May-18 70.37% -57 21-Jun-18 AW-3F-1 Zone C Remaining Structure for Skylight (Link from Zone C 3 27 01-Feb-18 07-Mar-18 16-Apr-18 -57 18-May-18 100% ST-B2-102 Staircase ST-76 (Similiar working procedures as ST-04B) 75 03-Mar-18 06-Jun-18 11-May-18 10-Aug-18 30.22% 0% -54 **Moving Image Centre Working Programm** AW-MC-1 ABWF-Wet Trade-Block Wall/Rendering/1st Coat 28-Apr-18 | 01-Jun-18 | 19-Jun-18 0% -41 0% ◆ Access for ABWF/MEP AS-MC-10 Access for ABWF/MEP Installation 28-Apr-18 19-Jun-18 0% 0% -52 04-May-18 | 12-Jun-18 | 30-Aug-18 BS-MC-10 MEP- Install Main CHW Header along GL K-L, 12-8 (linked to 32 -98 09-Oct-18 0% 0% BS-MC-10 MEP-1st Fix/2nd Fix-AC/Elect/PD/FS 28-May-18 29-Jun-18 21-Sep-18 26-Oct-18 0% 0% -98 BS-MC-10 MEP-2nd Fix-Cabling/Wiring 27 12-Jun-18 16-Jul-18 09-Oct-18 0% 0% -98 10-Nov-18 AW-MC-1 ABWF/MEP Installation 116 | 20-Jun-18 | 07-Nov-18 | 13-Oct-18 | 06-Mar-19

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme



File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

vity ID Activity Name	CMWP		CMWP	Actual /	Actual /	Planned		Finish		March 30			oril 31				May 32				June 33	Ju 3
	Dur.	R0.D8 Start	-R0.D8 Finish	Forecast Start	Forecast Finis	n B/L % Complete	Complete	Variance 5 (+/-d) 5	04	11 18 2	5 01			22	29	06	13	20	27		17	
Stair cores @ L-M/7-8 (Zone N) Staircase B1/F - G/F Staircase ST-03B																				į		1
AW-ALL- ABWF-Door/Ironmongeries	7	08-Jun-18	16-Jun-18	11-Oct-18	20-Oct-18	0%	0%	-103												-	_	
AW-ALL- ABWF-Metal Work- Hand rail, balustrade	7		11-May-18		12-Sep-18	0%	0%	-103												į		1
AW-ALL- ABWF-Wet Trade, Floor/Wall/Ceiling		-		12-Sep-18	· ·	0%	0%	-103								i i		- :				
AS-ALL-: Access Date for ST-03B	0	24-Apr-18		27-Aug-18		0%	0%	-125						♦			i					
BS-ALL-1 MEP 1st /2nd Fix, FS Riser / Containment	7	· ·		27-Aug-18	04-Sep-18	0%	0%	-103							<u></u>							
BS-ALL-1 MEP Final Fix	7	· ·	12-Jun-18		15-Oct-18	0%	0%	-103											_			1
Staircase G/F/ - 3/F Staircase ST-03																						
AS-ALL-: Access Date for ST-03	0	16-Jun-18		20-Oct-18		0%	0%	-126		<u> </u>										<u> </u>	♦	į
BS-ALL-1 MEP 1st /2nd Fix, FS Riser / Containment	13	16-Jun-18	04-Jul-18	20-Oct-18	05-Nov-18	0%	0%	-103														
Stair cores @ A-B/7-8 (Zone M) Staircase B1/F - G/F Staircase ST-01B																						
AW-ALL- ABWF-Door/Ironmongeries	7	22-Jan-18	30-Jan-18	01-Jun-18	09-Jun-18	100%	0%	-103											-			
AW-ALL- ABWF-Metal Work- Hand rail, balustrade	7		22-Dec-17		04-May-18	100%	0%	-103						_	-							1
AW-ALL- ABWF-Wet Trade, Floor/Wall/Ceiling	19	23-Dec-17	17-Jan-18	05-May-18	28-May-18	100%	0%	-103			-		·	·	·							<u> </u>
AS-ALL-: Access Date for ST-01B	0	07-Dec-17		18-Apr-18		100%	0%	-132					◆ Acce	ess Date fo	or ST-01B	3, 18-Apr-	18					
BS-ALL-1 MEP 1st /2nd Fix, FS Riser / Containment	7	07-Dec-17	14-Dec-17	18-Apr-18	25-Apr-18	100%	0%	-103						_								
BS-ALL-1 MEP Final Fix	7			29-May-18		100%	0%	-103												1		
Staircase G/F/ - 3/F Staircase ST-01																						ļ
AW-ALL- ABWF-Door/Ironmongeries	7	14-Jun-18	23-Jun-18	15-Aug-18	23-Aug-18	0%	0%	-50														·
AW-ALL- ABWF-Metal Work- Hand rail, balustrade		25-Apr-18	,		12-Jul-18	0%	0%	-50														
AW-ALL- ABWF-Wet Trade, Floor/Wall/Ceiling	25	11-May-18	11-Jun-18		10-Aug-18	0%	0%	-50								=	i					i
AS-ALL-: Access Date for ST-03	0	10-Apr-18		09-Jun-18		0%	0%	-60				♦								Acce	ss Date for S	T-03, 09-Jun-
BS-ALL-1 MEP 1st /2nd Fix, FS Riser / Containment		10-Apr-18			26-Jun-18	0%	0%	-50							4							
BS-ALL-1 MEP Final Fix	7	11-Jun-18	20-Jun-18	10-Aug-18	18-Aug-18	0%	0%	-50												-		
Stair cores @ B-C/9-11 (Zone E) Staircase B2/F - G/F Staircase ST-14B																						
AS-ALL-: Access Date for ST-14B	0	25-Jun-18		23-Aug-18		0%	0%	-59						1				- 1				
BS-ALL-1 MEP 1st /2nd Fix, FS Riser / Containment	7	25-Jun-18	03-Jul-18	23-Aug-18	31-Aug-18	0%	0%	-50														
Stair cores @ K-L/12-13 (Zone H) (Auditorium)	,)		_	_	1							:							 		
Staircase B2/F - G/F Staircase ST-17B		25.1 40		22.4.40		001	001	50														
AS-ALL-: Access Date for ST-17B		25-Jun-18		23-Aug-18	24 4 - 10	0%	0%	-59												į		♦
BS-ALL-1 MEP 1st /2nd Fix, FS Riser / Containment M+ Basement & Podium Testing & Commissioning	/	25-Jun-18	03-Jul-18	23-Aug-18	31-Aug-18	0%	0%	-50														
MEP System T&C																	 					[
Electrical																						
M+ Podium EL-Sub-10 Non-deferred Zone Sub-circuit power on	54	30-May-18	03-Δυσ-18	27-Λυσ-18	22-Sep-18	0%	0%	-44														
EL-CLP-10 TX Room A CLP power on (M+ & CSF)	0	30-iviay-16	24-Mar-18	27-Aug-16	27-May-18		0%	-64										•	TX Room 4	A CLP nower	on (M+ & C	SE)
EL-CLP-10 TX Room B CLP power on (M+ & CSF)	0		24-Mar-18		27-May-18		0%	-64		-											on (M+ & C	I
EL-CLP-10 TX Room C CLP power on (DCS)	0		30-Apr-18		29-May-18	0%	0%	-29		Y								:	. :		ver on (DCS)	:
EL-CLP-10 TX Room ICP CLP power on	0		08-Jan-18		28-Apr-18*		0%	-110					-	4 -	TX Room	ICP CLP	ower o	- 1	176 17001	ii C CÇi por	0.1 (203)	í
HVAC	U		00-3411-10		20-Apr-10	100%	070	-110							TX TX TX		Jouren G	,				
BS-BaP-TC: CHW pumping system Inc MCC self test (DCS)	13	11-May-18	26-May-18	12-Jul-18	27-Jul-18	0%	0%	-51								<u> </u>	i			į		į
BS-BaP-TC: CHW System primary circuit flushing	50	25-Jun-18	23-Aug-18	11-Oct-18	08-Dec-18	0%	0%	-90														
BS-BaP-TC: Sea Water Supply Available	0	09-May-18		24-Aug-18		0%	0%	-108								♦				į		:
BS-BaP-TC: T&C for Seawater Side	13	03-Feb-18	22-Feb-18	19-May-18	05-Jun-18	100%	0%	-82									ţ			1		
Handover Inspection & Close Out (M+ Basement & Podium)					,															į		
M+ Basement & Podium	0	00 5-1-40		20 1 10		1000/	00/	1.10														♦ DG Ir
BaP-DG DG Inspection	0	08-Feb-18		29-Jun-18		100%	0%	-140														V DG II
M+ Tower Critical Key Dates																						
Critical Key Dates - M+ Tower Structure RC Works																				į		
Critical Key Dates - M+ Tower Structure Works - West Core		<u> </u>																				
A12900 Complete West Core Wall - R/F Slab, Wall & Column (GL 7-8			10-May-18		27-Jun-18	0%	0%	-39								♦						◆ Compl
A12910 Complete West Core Wall - UR/F Slab, Wall & Column (GL 7	- 0		17-May-18		15-Aug-18	0%	0%	-74					ĺ	į			♦			1		
M+ Tower RC Structrue Construction (4/F - 16/F & R/F - UR/F) Tower Structure - West Core Wall (Non-deferred Zone M) @ GL 7-8/A-D	(M1)													!								
Tower Structure - West Core Wall (Non-deferred Zone M) @ GL 7-8/A-D (TC2 TIE TO WCW)	(WLI)										1.											<u> </u>
A37570 10F-11F Wall, Column & 11F slab (GL 7-8/A-D)	12	24-Jan-18	06-Feb-18	20-Jan-18 A	10-Mar-18 A	100%	100%	-24			4]		
A37580 11F-12F Wall, Column & 12F slab (GL 7-8/A-D)	12	07-Feb-18	23-Feb-18	12-Mar-18 A	28-Mar-18 A	100%	100%	-27			4											
A37590 12F-13F Wall, Column & 13F slab (GL 7-8/A-D)	12	24-Feb-18	09-Mar-18	29-Mar-18 A	19-Apr-18	100%	0%	-31			-	1 1										
A37600 13F-14F Wall, Column & 14F slab (GL 7-8/A-D)					07-May-18		0%	-33	<u> </u>	i						•				1		:

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

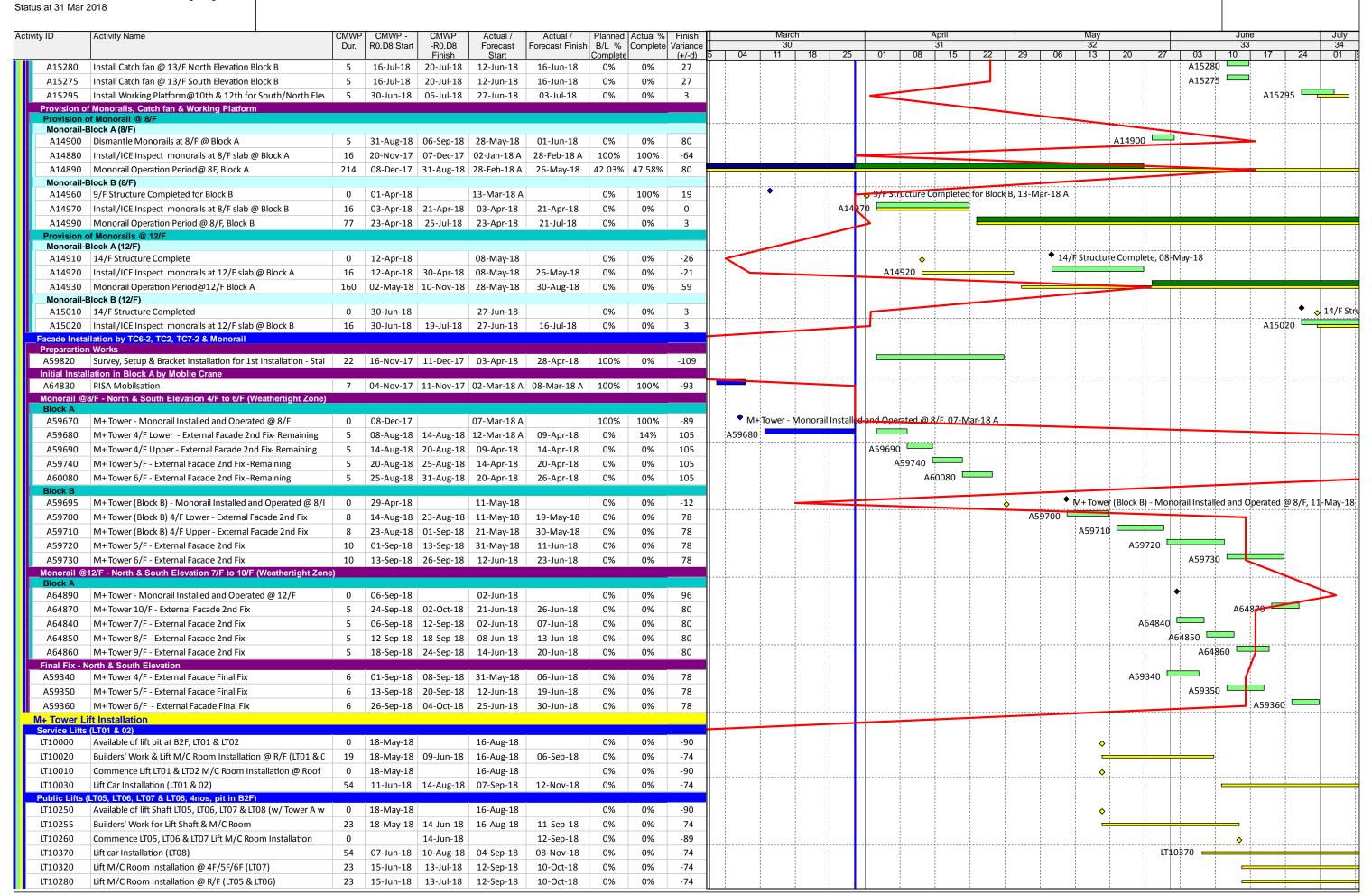
Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

Page 28 of 56

ctivity ID	Activity Name	CMWP		CMWP	Actual /	Actual /		Actual %		Marc				Ap				May			Ju	ine	J
		Dur.	R0.D8 Start	-R0.D8	Forecast	Forecast Finis				30 04 11	18	25	01	3	•	22 20	1 06	32	20	27	03 10	33 17 2	24 0
A37610	14F-15F Wall, Column & 15F slab (GL 7-8/A-D)	12	24-Mar-18	Finish 11-Δnr-18	O8-May-18	24-May-18	Complete 41.67%	0%	(+/-d) 5 -35	04 11	10	25	01	08	15	22 29	00	13	20	27	03 10	17 2	24 (
A37620	15F-16F Wall, Column & 16F slab (GL 7-8/A-D)	12		· ·	25-May-18	09-Jun-18	0%	0%	-37		 	}											
-		12	· ·	· ·	•		0%	0%	-39						i	<u> </u>						1 1	•
A37630	16F-RF Wall, Column & RF slab (GL 7-8/A-D)		26-Apr-18	•	11-Juli-19	27-Jun-18																	
A37650	Complete West Core Wall Structure to RF slab	0	11.11	18-May-18	201 10	16-Aug-18		0%	-90									♦					
A37640	RF-URF Wall, Column & URF (GL 7-8/A-D)	6	11-May-18	17-May-18	28-Jun-18	15-Aug-18	0%	0%	-74								'						
	cture - Deferred Zone F @ GL 7-8/D-H (M2) cture - Deferred Zone F @ GL 7-8/D-H												+										
A37820	10F-11F Wall, Column & 11F slab (GL 7-8/D-H)	12	18-Apr-18	02-May-18	07-Apr-18	23-Apr-18	0%	0%	7				├		_						i ! !		
A37830	11F-12F Wall, Column & 12F slab (GL 7-8/D-H)	12	03-May-18	16-May-18	24-Apr-18	10-May-18	0%	0%	5							'							
A37840	12F-13F Wall, Column & 13F slab (GL 7-8/D-H)	12	· ·		11-May-18	26-May-18	0%	0%	4				/		:								
A37850	13F-14F Wall, Column & 14F slab (GL 7-8/D-H)	12			28-May-18	11-Jun-18	0%	0%	3				/								-		
A37860	14F-15F Wall, Column & 15F slab (GL 7-8/D-H)	12		29-Jun-18	•	27-Jun-18	0%	0%	2				<i>-</i>										
-	• • • • • • • • • • • • • • • • • • • •	-											1								_		
A37870	15F-16F Wall, Column & 16F slab (GL 7-8/D-H)	12		14-Jul-18		14-Jul-18	0%	0%	0														
A37790	7F-8F Wall, Column & 8F slab (GL 7-8/D-H)	14			20-Jan-18 A			100%	25														
A37800	8F-9F Wall, Column & 9F slab (GL 7-8/D-H)	14				13-Mar-18 A		100%	15		1 :				:								
A37810	9F-10F Wall, Column & 10F slab (GL 7-8/D-H)	12	03-Apr-18	17-Apr-18	14-Mar-18 A	06-Apr-18	0%	78.57%	9			ļ											
	cture - Deferred Zone F & East Core Wall Zone N @GL 7-8/H-M		31-Jan-18	15 Feb 10	20 Jan 19 A	05 Mar 19 A	100%	100%	11	<u> </u>													
A43020	6F-7F Wall, Column & 7F slab (GL 7-8/H-M)							100%	-11			ſ											
A43030	7F-8F Wall, Column & 8F slab (GL 7-8/H-M)	14				22-Mar-18 A		100%	-12		-												
A43040	8F-9F Wall, Column & 9F slab (GL 7-8/H-M)	14	08-Mar-18		13-Mar-18 A	13-Apr-18	100%	25%	-14														
A43060	Complete East Core Wall Structure to 9F slab	0		24-Mar-18		14-Apr-18	100%	0%	-21						Complete E	ast Core Wa	all Structur	e to 9F slab,					
	cture - Deferred Zone F & East Core Wall Zone N @GL7-8/H-M	4.0	42.4.40	27.4.40	20.4.40	12.14	00/	00/	4.0							1	- !	_					
A37660	10F-11F Wall, Column & 11F slab (GL 7-8/H-M)		13-Apr-18	· ·	•	12-May-18		0%	-12		1				:	-				_			
A37670	11F-12F Wall, Column & 12F slab (GL 7-8/H-M)	13	-		14-May-18	28-May-18		0%	-11		1			- 1	;	1		+					
A37690	12F-13F Wall, Column & 13F slab (GL 7-8/H-M)	13	15-May-18	30-May-18	29-May-18	11-Jun-18	0%	0%	-10		\				ļ			-	<u> </u>				
A37700	13F-14F Wall, Column & 14F slab (GL 7-8/H-M)	13	31-May-18	14-Jun-18	12-Jun-18	26-Jun-18	0%	0%	-9		1\											-ii	
A37710	14F-15F Wall, Column & 15F slab (GL 7-8/H-M)	13	15-Jun-18	30-Jun-18	27-Jun-18	11-Jul-18	0%	0%	-8		<u>ر</u>										-		
A37655	9F-10F Wall, Column & 10F slab (GL 7-8/H-M)	13	24-Mar-18	12-Apr-18	14-Apr-18	27-Apr-18	38.46%	0%	-13	•		:	1 1	— Ŧ		_							
	emporary Works													4TEE 4 D	010								
MTFF-1001	10 Fair Face Concrete Remedial Works - M+ Tower 1/F	0			20-Apr-18	07-May-18	0%	0%					l N	ЛТFF-1 0(010		2000		:				
	20 Fair Face Concrete Remedial Works - M+ Tower 2/F	0			08-May-18	24-May-18	0%	0%								MTFF-1	JU20				<u> </u>		
MTFF-1003	30 Fair Face Concrete Remedial Works - M+ Tower 3/F	0			25-May-18	09-Jun-18	0%	0%										MTFF-10	0030				_
MTFF-1004	Fair Face Concrete Remedial Works - M+ Tower 4/F	0			11-Jun-18	27-Jun-18	0%	0%												MTFF-1	0040	1 1	
MTFF-1005	Fair Face Concrete Remedial Works - M+ Tower 5/F	0			28-Jun-18	14-Jul-18	0%	0%														MTFF-10050	
MTFF-1000	00 Fair Face Concrete Remedial Works - M+ Tower G/F	0			01-Mar-18 A	19-Apr-18	0%	0%		1 1	: :	:	1	- 1									
	External Envelope (By Permasteelisa)										ļ												
	de Advance Works								_														
Provision (of Catch fan @ 9/F for Block A																						
A43490	Inspection, ICE & RPE certification for Catchfan @ 9th/F Blo	5	28-Nov-17	02-Dec-17	30-Jan-18 A	28-Feb-18 A	100%	100%	-68						:								
A43270	Inspection, ICE & RPE certification for Working Platform @ B	5	28-Nov-17	02-Dec-17	01-Feb-18 A	28-Feb-18 A	100%	100%	-68														
A47980	Install Working Platform @ 6th/F & 8th/F for South North E	5				02-Mar-18 A		100%	-76	•		† -	-		 								
A43250	Remove Scaffolding @ 10/F Block A	-	20-Nov-17					100%	-82														
	of Catch fan @ 13/F for Block A				. = 1071	15 257																	
A38210	Inspection, ICE & RPE certification for Catchfan @15/F Block	5	20-Apr-18	25-Apr-18	02-Jun-18	07-Jun-18	0%	0%	-35					A38	210 🚢	-				븎	_		
A38230	Inspection, ICE & RPE certification for Working Platform @ B	5			14-May-18			0%	-21					A3823	0 —						1		
A38200	Install Catch fan @ 13/F North Elevation Block A	5	· ·	· ·	28-May-18	01-Jun-18	0%	0%	-35			· · · · · · · · · · · · · · · · · · ·	A38	200 =						-			
A38190	Install Catch fan @ 13/F South Elevation Block A	5	· ·	· ·	28-May-18	01-Jun-18	0%	0%	-35				1 :	190 =	- 1								
A38130	Install Working Platform @ 12th/F & 14th/F for South Nortl	5		<u>'</u>	08-May-18	12-May-18		0%	-21					20									
A38220 A38180	Remove Scaffolding @ 14/F Block A	_	12-Apr-18	·				0%	-35				A3818	1	_								
	of Catch fan @ 9/F for Block B		17-Whi-10	12-Whi-19	23-Iviay-10	20-ividy-10	0/0	070	-33	+			73010	~ _									
A43500	10/F RC Structure Completed	0	18-Apr-18		28-Apr-18		0%	0%	-9		+		1			♦ 10/F	RC Structi	ure Complete	ed, 28-An	r-18	-		
A43550	Dismantle Catchfan at 11th/F Block B	5	26-Sep-18	03-Oct-18	· ·	29-Jun-18	0%	0%	78						-			1				A43550 =	
A43530	Inspection, ICE & RPE certification for Catchfan @11/F Block	5	-		05-May-18	10-May-18	0%	0%	-9				-		A43540				- 1				
						-									A38250		:		1				
A38250	Inspection, ICE & RPE certification for Working Platform @ B) -	· ·	· ·	05-May-18	10-May-18		0%	-9					A 42 E 2	- 1		_						
A43520	Install Catch fan @ 9th/F slab North Elevation Block B	5	-		28-Apr-18	04-May-18		0%	-9		ļ				0		-						
A43510	Install Catch fan @ 9th/F slab South Elevation Block B	5	-	-	28-Apr-18	04-May-18		0%	-9					- 1	0 —		_						
A43530	Install Working Platform @ 6th/F & 8th/F for South North E	5	18-Apr-18	23-Apr-18	28-Apr-18	04-May-18	0%	0%	-9		-			A4353	0 —		_						
	of Catch fan @ 13/F for Block B	_	16 1-140		12 1 12		001	001	27					\rightarrow							•		
A15270	14/F RC Structure Completed	0			12-Jun-18		0%	0%	27							1							
A15290	Inspection, ICE & RPE certification for Catchfan @13/F Block	5	1 21_lul_12	26-Jul-18	19-Jun-18	23-Jun-18	0%	0%	27	1	1 1	: 1	1 1		;	1 1	1	1 1	- 1	1 :	A152	90	

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme



Layout Name: 01) CMWP - 3MRP (M30)

AS-MP-10 Access for ABWF/MEP Installation (Linked from 9/F Slab Cas

BS-MP-10 MEP - Low Level P&D Pipework, H/L 1st/2nd Fix

0

30-Mar-18

01-Mar-18 | 15-Mar-18 | 12-Apr-18

100%

100%

26-Apr-18

0%

0%

-37

-32

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018 Activity ID Activity Name Planned Actual % Finish R0.D8 Start -R0 D8 Forecast Forecast Finish B/L % Complete Variance 06 13 20 27 03 Finish Complete Lift Shaft Builders' Work (LT08) 03-Sep-18 16 18-May-18 06-Jun-18 16-Aug-18 M+ Tower ABWF & Building Services (4/F - 16/F & R/F - UR/F) MP-10050 = MP-10050 10/F - ABWF / MEP Insatallation (Similar working procedure 125 28-Jun-18 26-Nov-18 10-Jul-18 06-Dec-18 0% -9 MP-10000 4/F - ABWF / MEP Insatallation (Similar working procedures -31 MP-10000 26-Mar-18 28-Aug-18 08-May-18 05-Oct-18 0% MP-10010 MP-10010 6/F - ABWF / MEP Insatallation (Similar working procedure: 125 30-Apr-18 28-Sep-18 11-May-18 0% 0% -9 10-Oct-18 MP-10020 7/F - ABWF / MEP Insatallation (Similar working procedures MP-10020 15-May-18 13-Oct-18 26-May-18 25-Oct-18 0% 0% -9 MP-10030 MP-10030 8/F - ABWF / MEP Insatallation (Similar working procedures 0% 30-May-18 29-Oct-18 09-Jun-18 08-Nov-18 0% -9 MP-10040 9/F - ABWF / MEP Insatallation (Similar working procedures 13-Jun-18 12-Nov-18 25-Jun-18 0% -9 MP-10040 = 5/F- GL K-M (BOH / Plant Rooms) AW-MP-1 ABWF - Door & ironmongeries installation 23-Apr-18 25-Apr-18 01-lun-18 04-Jun-18 0% 0% -32 AW-MP-10210 -AW-MP-10190 📥 -32 AW-MP-1 ABWF - Final coat of paint on wall 14-Apr-18 19-Apr-18 24-Mav-18 29-May-18 0% 0% AW-MP-1 ABWF - Pliinth / Floor Screeding 21-Feb-18 28-Feb-18 03-Apr-18 11-Apr-18 100% 0% -32 AW-MP-10200 = AW-MP-1 ABWF - Sealer on floor 30-May-18 04-Jun-18 0% 0% -32 Acces for ABWF/MEP Installation, 30-Mar-18 AS-MP-10 Acces for ABWF/MEP Installation 0 100% 0% -37 21-Feb-18 30-Mar-18 AW-MP-1 BW - Sealer on ceiling soffit & application of epoxy paint on v 7 21-Feb-18 28-Feb-18 03-Apr-18 11-Apr-18 100% 0% -32 BS-MP-10 MEP - 1st & 2nd Fix / Air Duct / Containment / Pipes 27 09-Mar-18 13-Apr-18 20-Apr-18 23-May-18 66.67% 0% -32 P-10150 BS-MP-10 MEP - AC Equipment position 19-Apr-18 -32 BS-MP-10170 BS-MP-10 MEP - Final Fix (F.S. Sprinkler / Equipment Connection) 09-Jul-18 0% 0% -32 14-Apr-18 30-May-18 24-May-18 BS-MP-10 MEP - Install AHU system/Air Duct/Pipe/Containment P-10160 27 0% -32 09-Mar-18 13-Apr-18 20-Apr-18 66.67% 23-May-18 -40 AS-MP-10 Ready for F.S. T&C 31-May-18 10-Jul-18 0% 0% AW-MP-10030: -AW-MP-1 ABWF - Door / Ironmongaries 19-Mar-18 | 21-Mar-18 | 30-Apr-18 03-May-18 100% -32 AW-MP-1 ABWF - Sealer paint 21-Feb-18 23-Feb-18 100% 0% -32 03-Apr-18 06-Apr-18 -37 Access for ABWF/MEP Installation (Linked from 9/F Slab Cast date), 30-Mar-18 AS-MP-10 Access for ABWE/MEP Installation (Linked from 9/E Slab Ca 100% 0% 0 21-Feb-18 30-Mar-18 -32 BS-MP-10 MEP - 1st / 2nd / Final Fix 24-Feb-18 17-Mar-18 07-Apr-18 28-Apr-18 100% 0% BS-MP-10 MEP - ELV- Equipment Ract / Cabling / Connection 27 22-Mar-18 26-Apr-18 04-May-18 05-Jun-18 25.93% 0% -32 BS-MP-10040 = AS-MP-10 Ready for ELV system T&C 27-Apr-18 06-Jun-18 0% 0% -40 Ready for ELV system T&C, AW-MP-10240 — 22-Mar-18 24-Mar-18 04-May-18 100% 0% AW-MP-1 ABWF - Door / Ironmonargies 07-May-18 -32 Acces for ABWE/MEP Installation 30-Mar-18 -37 AS-MP-10 Acces for ABWF/MEP Installation 21-Feb-18 30-Mar-18 100% 0% BS-MP-11 MEP - 1st & 2nd & Final Fix 21-Feb-18 21-Mar-18 03-Apr-18 03-May-18 100% 0% -32 5/F - GL B-K (FOH Area includ lift lobby @ GL B & L AW-MP-10 ABWF - Ceiling Close Up 13-Sep-18 21-Sep-18 12-Jun-18 20-Jun-18 0% 0% 78 AW-MP-10 ABWF - Ceiling Frame 0.85% 0% -32 29-Mar-18 18-Apr-18 11-May-18 28-May-18 78 AW-MP-10 ABWF - Close Dry Wall 13-Sep-18 08-Oct-18 12-Jun-18 05-Jul-18 0% 0% AW-MP-10 ABWF - Door frame& panels & ironmongeries installation 21-Sep-18 02-Oct-18 09-Jul-18 0% 0% 71 AW-MP-10290 AW-MP-10 ABWF - Dry Wall stud 21-Feb-18 28-Feb-18 03-Apr-18 11-Apr-18 100% 0% -32 AW-MP-10620 AW-MP-10 ABWF - Raised floor - Panel 3 21-Sep-18 26-Sep-18 29-Jun-18 04-Jul-18 0% 0% 71 AW-MP-10 ABWF - Raised floor - setting out / install padestal / grid 0% 0% -32 18-Apr-18 26-Apr-18 28-May-18 05-Jun-18 Access for ABWF / MEP / Fit-out Installation (Linked from 8/F Slab Cast date), 30-Mar-18 AS-MP-10: Access for ABWF / MEP / Fit-out Installation (Linked from 8, 100% 0% -37 AW-MP-10 Facde Completion and watertight 13-Sep-18 0% 93 12-Jun-18 BS-MP-104 MEP (Under Rasied Floor) - Containment/wiring 26-Apr-18 | 12-May-18 | 05-Jun-18 0% -32 BS-MP-10460 === 13 21-lun-18 0% BS-MP-10: MEP - 2nd fix include cabling and wiring 07-Mar-18 29-Mar-18 0% -32 18-Apr-18 11-May-18 100% RS-MP-10380 BS-MP-10: MEP - Final Fix 13-Sep-18 21-Sep-18 21-Jun-18 29-Jun-18 0% 0% 71 S-MP-10370 BS-MP-10: MEP Dropper - FS dropper / Electrical Flexible / wiring 11-Apr-18 26-Apr-18 19-May-18 05-Jun-18 0% 0% -32 BS-MP-10: MEP Installation H/L 1st Fix 19 21-Feb-18 15-Mar-18 03-Apr-18 100% 0% -32 26-Apr-18 AS-MP-10: Ready for T&C (FS) 0 0% 0% 84 21-Sep-18 29-lun-18 AW-MP-1 ABWF - Block Wall 21-Feb-18 28-Feb-18 03-Apr-18 11-Apr-18 100% 0% -32 AW-MP-10080 AW-MP-1 ABWF - Ceiling Close up / Ceiling Finish 25-Apr-18 03-May-18 04-Jun-18 11-Jun-18 0% 0% -32 AW-MP-10070 AW-MP-1 ABWF - Ceiling Grid/Ceilng Panel with Service Openings 0% 0% -32 13-Apr-18 20-Apr-18 23-May-18 30-May-18 AW-MP-1 ABWF - Cublic Partition 7 04-May-18 11-May-18 12-Jun-18 20-lun-18 0% 0% -32 AW-MP-10090 AW-MP-10100 AW-MP-1 ABWF - Final Fix-Sanitaryware / Sink / Door 12-May-18 19-May-18 28-Jun-18 0% 0% -32 AW-MP-1 ABWF - Floor screeding / Wall Plastering/ Tiling 24-Mar-18 12-Apr-18 21-May-18 0% -32 AW-MP-10060 AW-MP-1 ABWF - Waterproofing/Water Test 0% -32 AW-MP-10050 -16-Mar-18 23-Mar-18 27-Apr-18 05-Mav-18 100% AW-MP-1 ABWF / MEP Installation Completed -39 0% 0% 30-May-18 08-Jul-18

Access for ABWF/MEP Installation (Linked from 9/F Slab Cast date), 30-Mar-18

20-Apr-18

08-May-18

29-May-18

27-Jun-18

16-Dec-17 18-Aug-18 03-Apr-18

12 24-May-18 07-Jun-18 29-Oct-18

0

0

0

07-May-18

24-May-18

13-lun-18

13-Jul-18

27-Nov-18

12-Nov-18

0%

0%

0%

0%

0%

-83

-130

0%

0%

0%

CFFF-10040 Fair Face Concrete Remedial Works - CSF 3/F

CFFF-10050 Fair Face Concrete Remedial Works - CSF 4/F

CEEE-10060 Fair Face Concrete Remedial Works - CSE 5/E

CFFF-10070 Fair Face Concrete Remedial Works - CSF 6/F

CF10940 Material Hoist Operation period

Scaffolding Removal

CSF Building FACADE Preliminaries ENGINEERING & APPROVAL - CSF

CF10930

CFFF-10040 =

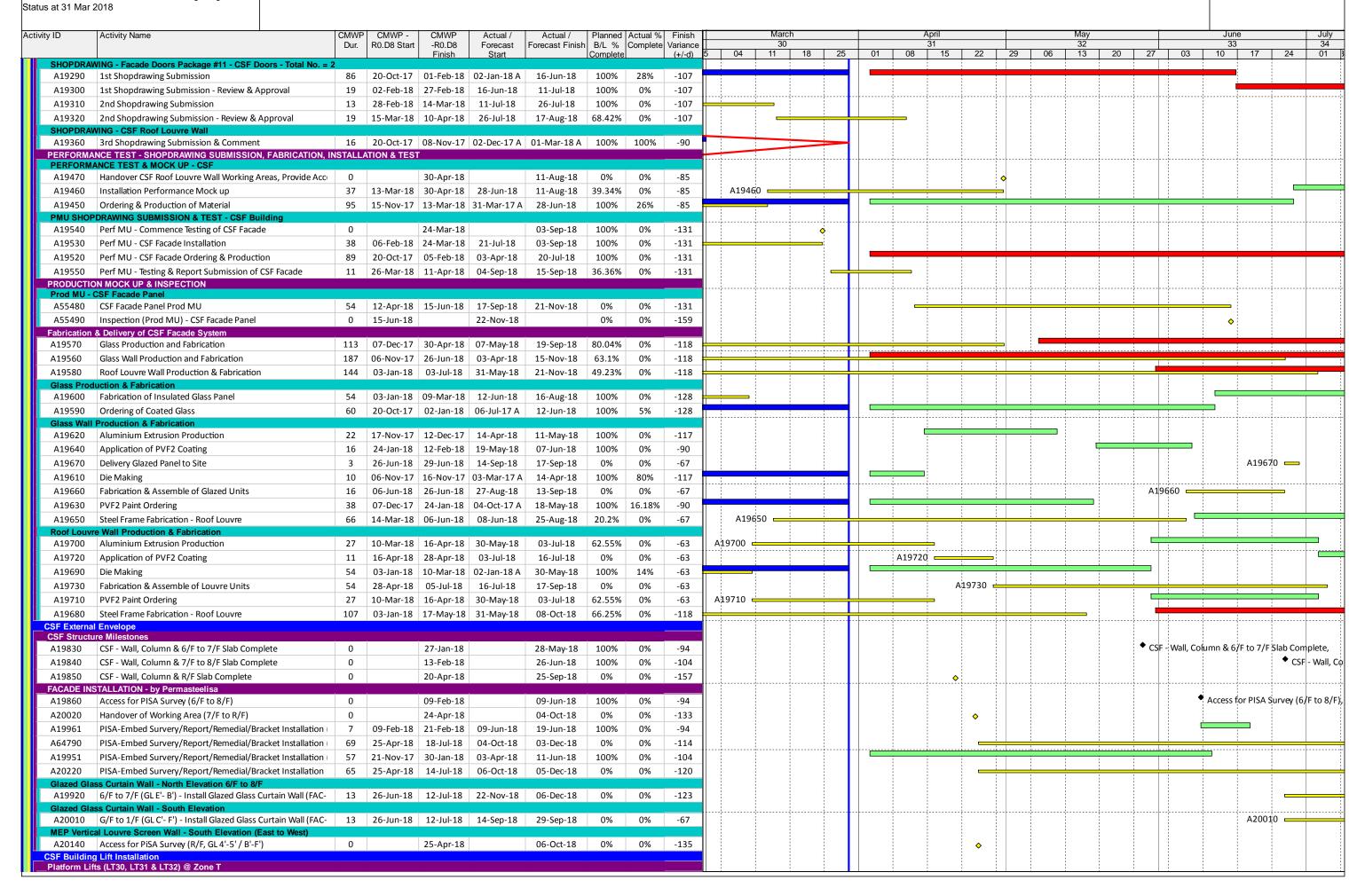
CFFF-10050 =

CFFF-10060

CFFF-10070 =

Lavout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme



File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

Activity ID Activity Name CMWP -Actual / Planned Actual % Finish R0.D8 Start -R0 D8 Forecast Forecast Finish B/L % Complete Variance 22 29 06 13 Finish Start Complete (+/-d)Available of lift Shaft LT30, LT31 & LT32 20-Apr-18 25-Sep-18 -157 Builders' Work for LT30, LT31 & LT32 Lift Shaft 24-Oct-18 0% -130 23 21-Apr-18 18-May-18 26-Sep-18 0% Lifts Car Installation (LT30, LT31 & LT32) IT10900 19-May-18 24-Jul-18 0% -130 25-Oct-18 28-Dec-18 0% CSF Fireman & Disable Lifts (LT51) @ Zone T LT10930 Available of Lift Shaft LT51 0 04-May-18 09-Oct-18 0% 0% -158 Builders' Work for LT51 Lift Shaf 04-May-18 | 19-May-18 | 09-Oct-18 -130 IT51-Lift Installation & T&C 67 19-May-18 09-Aug-18 25-Oct-18 0% 0% -130 15-Jan-19 Available of lift Shaft LT52 (after AHU Transported G/F to 7/I 20-Apr-18 LT11030 0 25-Sep-18 0% 0% -157 Builders' Work for LT52 Lift Shaft & M/C Room 21-Apr-18 07-May-18 26-Sep-18 11-Oct-18 -130 LT52-Lift Installation & T&C 08-May-18 27-Jul-18 12-Oct-18 02-Jan-19 0% -130 CSF Tower ABWF & Building Services (G/F - 8/F & R/F) CSF-10350 1/F BOH /FOH ABWF/MEP Installation 23-Dec-17 12-Apr-18 07-Apr-18 19-Jul-18 90.59% 0% -80 CSF-10310 3/F BOH /FOH ABWF/MEP Installation 29-Jan-18 | 16-May-18 | 29-May-18 06-Sep-18 -94 CSF-10320 4/F BOH /FOH ABWF/MEP Installation 0% -104 14-Feb-18 02-Jun-18 27-Jun-18 06-Oct-18 41.18% 85 CSF-10330 5/F BOH /FOH ABWF/MFP Installation 06-Mar-18 20-Jun-18 26-Jul-18 05-Nov-18 24.71% 0% -114 CSF-10340 6/F BOH /FOH ABWF/MEP Installation 21-Apr-18 | 02-Aug-18 | 26-Sep-18 08-Jan-19 0% 0% -130 CSF-10370 G/F BOH /FOH ABWF/MEP Installation 07-Dec-17 22-Mar-18 03-Apr-18 16-Jul-18 100% 0% 2/F, GL B'-F' (FOH Area) SF-12030 AW-CSF-12 ABWF-Ceiling Close-up 10-Mar-18 17-Mar-18 25-Jun-18 03-Jul-18 100% 0% -84 AW-CSF-12 ABWF-Ceiling Frame -84 22-Feb-18 01-Mar-18 07-Jun-18 14-Jun-18 100% 0% AW-CSF-12050 = AW-CSF-12 ABWF-Door/Ironmogaries 21-Apr-18 27-Apr-18 08-Aug-18 0% 0% -84 02-Aug-18 AW-CSF-12 ABWF-Dry Wall Close-up/ 10-Feb-18 21-Feb-18 30-May-18 06-Jun-18 100% 0% -84 AW-CSF-11 ABWF-Dry Wall Stud 7 100% 0% -84 12-Jan-18 19-Jan-18 28-Apr-18 07-Mav-18 AW-CSF-12040 = AW-CSF-12 ABWF-Wall/Ceiling/Floor Final Finishing 25 -84 19-Mar-18 20-Apr-18 04-Jul-18 01-Aug-18 40% 0% ◆ Access for ABWF/MEP Installation, 28-Apr-18 AS-CSF-10 Access for ABWF/MEP Installation 12-Jan-18 100% 0% -106 BS-CSF-11: MEP Final Fix -84 BS-CSF-11240 21-Apr-18 | 28-Apr-18 | 02-Aug-18 09-Aug-18 0% 0% BS-CSF-11: MEP- MEP Dropper 100% 0% 02-Mar-18 09-Mar-18 15-Jun-18 23-Jun-18 BS-CSF-11 MEP-1st/2nd Fix-Duct/Containment/ Pipe/FCU 25 -84 12-Jan-18 09-Feb-18 100% 0% 28-Apr-18 29-May-18 2/F- GL B-C (BOH/Plant Room Area) AW-CSF-11 ABWF - Block Wall / Rendering / Floor Screeding 12-Jan-18 02-Feb-18 28-Apr-18 21-May-18 100% 0% -84 AW-CSF-12 ABWF- Wall / Ceiling 1st Coat 07-Jun-18 100% -84 ◆ Access for ABWF/ MEP Installation, 28-Apr-18 AS-CSF-10 Access for ABWF/ MEP Installation 100% 0% -106 12-Jan-18 28-Apr-18 AW-CSF-11 BW - Equipment Plinth 100% 0% -84 03-Feb-18 10-Feb-18 23-May-18 30-May-18 BS-CSF-11: MEP - AHU Room Installation-1st / 2nd / Final Fix Installatio 54 23-Feb-18 02-May-18 11-Aug-18 55.56% 0% -84 BS-CSF-11: MEP - ICT Room Installation - 1st / 2nd / Final Fix Installation 23-Feb-18 23-Mar-18 09-Jul-18 100% 0% -84 AS-CSF-10 MEP - Riser Installation (Linked from 8/F Access Date) 06-Mar-18 12-May-18 26-Jul-18 27-Sep-18 38.89% 0% -114 BS-CSF-11: MEP/ELV-ELV Room Installation-1st / 2nd / Final Fix Installa 54 23-Feb-18 02-May-18 08-Jun-18 11-Aug-18 55.56% 0% -84 7/F, GL B'-F' (FOH Area) AW-CSF-12 ABWF - Dry Wall Stud 21-Apr-18 28-Apr-18 26-Sep-18 04-Oct-18 0% 0% -130 AW-CSF-12 ABWF - Metal Ceiling Panel frame installation 21-Apr-18 | 14-May-18 | 26-Sep-18 19-Oct-18 -130 AS-CSF-10 Access for ABWF / MEP Installation 21-Apr-18 0% 0% -157 25-Sep-18 AW-CSF-12 Common Scaffold Erection @ 7/F Painting Studio 0% 0% -130 21-Apr-18 | 07-May-18 | 26-Sep-18 11-Oct-18 BS-CSF-11: MEP - 1st / 2nd fix (HL) / Containment / A/C duct / FS Pipe 15-May-18 06-Jun-18 20-Oct-18 10-Nov-18 0% 0% -130 BS-CSF-11: MEP - 1st / 2nd Fix-Duct / Containment / Pipe / FCU -130 08-May-18 06-Jun-18 12-Oct-18 10-Nov-18 0% 0% BS-CSF-11: MEP - Dropper / FS dropper 07-Jun-18 22-Jun-18 12-Nov-18 26-Nov-18 0% 0% -130 BS-CSF-11: MEP - Final fix (HL) / Wiring / Lighting installation 0% 0% -130 23-Jun-18 09-Jul-18 27-Nov-18 11-Dec-18 AW-CSF-12 PISA - Glass Curtain Wall Installation (Along GL 4') -130 21-Apr-18 | 07-May-18 | 26-Sep-18 11-Oct-18 0% 0% 7/F- GL B-C (BOH/Plant Room Area) AW-CSF-12 ABWF - Block Wall/Rendering/Floor Screeding 07-May-18 29-May-18 09-Oct-18 0% -129 AW-CSF-12 ABWF- Wall/Ceiling 1st Coat 07-Jun-18 14-Jun-18 09-Nov-18 17-Nov-18 0% 0% -129 AS-CSF-10 Access for ABWF/MEP Installation 06-May-18 0% 0% -157 09-0ct-18 AW-CSF-12 BW - Equipment Plinth 30-May-18 06-Jun-18 01-Nov-18 09-Nov-18 0% 0% -129 BS-CSF-11: MEP - ICT Room Installation-1st/2nd/Final Fix Installation 0% -129 17-Dec-18 AS-CSF-10 MEP- Riser Installation (Linked from 8/F Access Date) 0% -129 12-Dec-18 BS-CSF-11: MEP-AHU Room Installation-1st/2nd/Final Fix Installation 54 15-Jun-18 18-Aug-18 17-Nov-18 23-Jan-19 0% 0% -129 BS-CSF-11. MEP/ ELV-ELV Room Installation-1st/2nd/Final Fix Installatic 54 15-Jun-18 | 18-Aug-18 | 17-Nov-18 -129 23-Jan-19 0% 0%

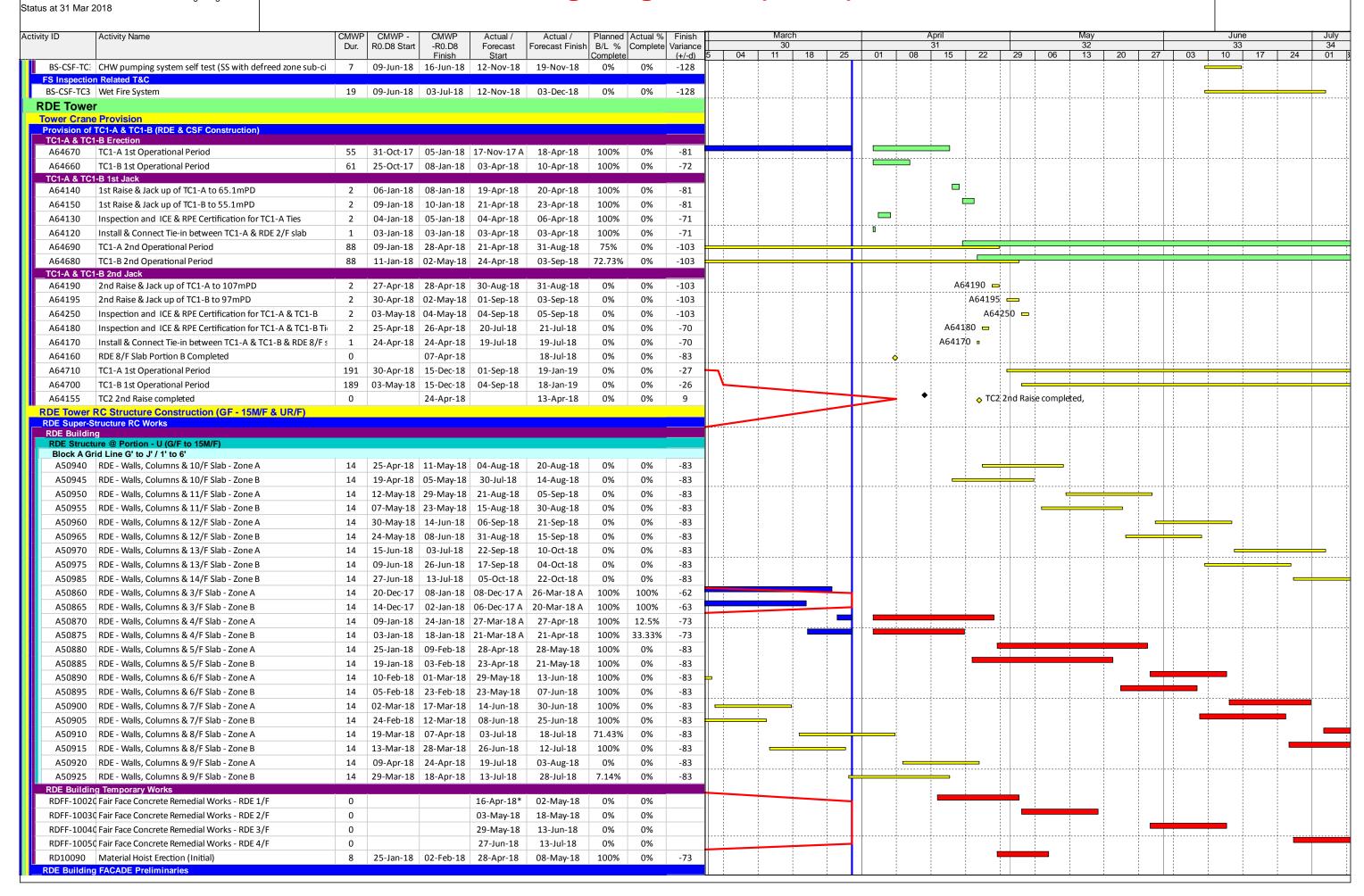
File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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Activity ID	Activity Name	CMWF	P CMWP -	CMWP	Actual /	Actual /	Planned	Actual %	Finish			March				A	pril				May				June			Jul
		Dur.	R0.D8 Start	-R0.D8	Forecast	Forecast Finish	n B/L %		e Variance	5	04	30	10	25	01	00	31	22	20	06	32	20	27	03	33	17	24	34 01
8F Chiller P	lant Room			Finish	Start		Complete		(+/-d)	3	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	24	
	ABWF-Roof Insulation/screeding/Floor Finishing	19	15-May-18	06-Jun-18	20-Oct-18	10-Nov-18	0%	0%	-130																			
AS-CSF-10	Access for ABWF/MEP Installation (linked from CSF Roof st	r 0	21-Apr-18		25-Sep-18		0%	0%	-157								•											
	BW- Water Proofing/Test/Floating Slab/ Plinth		21-Apr-18		· ·	19-Oct-18	0%	0%	-130								Ĭ				_							
	MEP- Position Chiller/Heat Pump/ Water Pumps Equipmen			23-May-18	· ·	27-Oct-18	0%	0%	-130																			
	MEP-Chiller/Heat pump/Pipework Installation/Connection		-		12-Nov-18		0%	0%	-130																			
8F-PAU Roo	1 11 11 1	30	07 3011 10	00 Aug 10	12 1100 10	11 3411 13	070	070	150																			
	ABWF-Block Wall Erection	7	09-May-18	16-May-18	11-Oct-18	20-Oct-18	0%	0%	-128											-				 				
AW-CSF-12	ABWF-Wall/Ceiling Sealer	3		29-May-18		01-Nov-18	0%	0%	-128													ĺ						
	ABWF-Water Proofing/Test/Screeding	7	-	25-May-18		29-Oct-18	0%	0%	-128																			
	Access for ABWF/MEP Installation (linked from CSF Roof st	r 0	09-May-18	•	11-Oct-18		0%	0%	-155											^								
	BW- Equipment Plinth Construction/Water Proofing/Test/S			16-May-18		20-Oct-18	0%	0%	-128											<u> </u>								
1	MEP- 1st/2nd Fix			•	01-Nov-18	16-Nov-18	0%	0%	-128									1										
	MEP- AHU/PAU on site	5			16-Nov-18	22-Nov-18	0%	0%	-128																	_		
	MEP- Install AHU/PAU connection	-																										
	Water Pumps Room	25	21-Juli-18	20-Jul-18	22-Nov-18	21-Dec-18	0%	0%	-128																			
	ABWF-Block Wall Erection	7	09-May-18	16-May-18	11-Oct-18	20-Oct-18	0%	0%	-128																			
	ABWF-Wall/Ceiling Sealer	3	-	-	12-Nov-18		0%	0%	-128				1															
	Access for ABWF/MEP Installation (linked from CSF Roof st		09-Jun-18		11-Oct-18	10 MOV-10	0%	0%	-155											•								
	BW- Floating Slab/Plinth Construction/Water Proofing/Tes				20-Oct-18	12-Nov-18	0%	0%	-133										 	-			- -	<u> </u>				
	MEP- 1st/2nd Fix- including Main CHW Header				15-Nov-18	-	0%																					
	Heat Pump Control Room	19	13-Juli-18	00-101-18	15-NOV-18	07-Dec-18	0%	0%	-128																	- :		
	ABWF-Block Wall Erection	7	17-May-18	25-May-18	20-Oct-18	29-Oct-18	0%	0%	-128																			
	ABWF-Wall/Ceiling Sealer	3	-		20-Nov-18		0%	0%	-128																	_		
	Access for ABWF/MEP Installation (linked from CSF Roof st		09-May-18		11-Oct-18	23 1101 10	0%	0%	-155																			
	BW- Equipment Plinth Construction/Water Proofing/Test/S					20 Nov 19														•								
	MEP-1s/2nd Fix				12-Nov-18 23-Nov-18		0%	0% 0%	-128																			
	ank and Pumps Room	13	22-Juli-18	07-Jul-18	23-1100-18	08-Det-18	0%	0%	-128									1								- 1		_
	ABWF-Block Wall Erection	7	17-May-18	25-Mav-18	20-Oct-18	29-Oct-18	0%	0%	-128				1															
	ABWF-Wall/Ceiling Sealer	3		·	01-Nov-18	-	0%	0%	-124																			
	Access for ABWF/MEP Installation (linked from CSF Roof st		21-Apr-18		25-Sep-18		0%	0%	-157																			
	BW- Equipment Plinth Construction/Water Proofing/Test/S		· ·	02-Jun-18		01-Nov-18	0%	0%	-124								Ĭ					i						
	MEP- 1st/2nd Fix/Final Fix		-		02-Nov-18		0%	0%	-115																			
Roof	THE TOO END THAT IN	13	07 Juli 10	23 Juli 10	02 1101 10	10 1101 10	070	070	113																			
AW-CSF-12	ABWF-Cast-in Bolt for Fall Arrested System	7	21-Apr-18	28-Apr-18	26-Sep-18	04-Oct-18	0%	0%	-130								-						-					
AW-CSF-12	ABWF-Waterproof	7	30-Apr-18	08-May-18	05-Oct-18	12-Oct-18	0%	0%	-130											_								
AW-CSF-12	RL- Install Pre-cast RC Panel	54	09-May-18	13-Jul-18	13-Oct-18	15-Dec-18	0%	0%	-130														<u> </u>					
	RL-Cast-in Bolt for Pre-cast RC Panel	7	-	28-Apr-18		04-Oct-18	0%	0%	-130								ني خ											
	Roof Structure Completed	0		21-Apr-18		25-Sep-18	0%	0%	-157										1									
All Level	and the second completion						3,4	3,5		H							-											
Stricase (ST	52 & ST-51) (GL 6'/B' & 4'/F')			,																								
	ST-51 @ GL 3'-4'/H' (Similar Procedures as ST-52)	38	15-Jun-18	01-Aug-18	19-Nov-18	05-Jan-19	0%	0%	-128																÷	- i	\rightarrow	_
ST52 (GL 6	+ · •	4.0	46.14	04 1 45	10.0:15	02.14	664	664	420																			
	ABWF - Metal Work- Hand rail, balustrade				19-Oct-18		0%	0%	-128	 									ļ									
	ABWF - Wet Trade, Floor / Wall / Ceiling				19-Oct-18	10-Nov-18	0%	0%	-128														1					
	ABWF-Door/Ironmongeries				10-Nov-18	26-Nov-18	0%	0%	-128				į															
	Access Date for ST-52 (Linked from 8/F Slab Cast)	0	09-May-18		11-Oct-18		0%	0%	-155											♦								
	MEP 1st /2nd Fix, FS Riser / Containment		-	-	11-Oct-18		0%	0%	-128																			
	MEP Final Fix	13	31-May-18	15-Jun-18	03-Nov-18	19-Nov-18	0%	0%	-128	 					<u> </u>				ļ <u>i</u> .				<u></u>					
Risers (GL4	<u> </u>	4 ^	25.84: 42		27.0=1.10		001	001	455																			
	Access for MEP & ELV Installation (Linked from G/F to 8/F N		25-May-18		27-Oct-18		0%	0%	-155													♦						
	Access for MEP Installation (Linked from R/F Slab Cast date		21-Apr-18		25-Sep-18		0%	0%	-157								♦											
	MEP & ELV Cablings		-		12-Oct-18	10-Nov-18	0%	0%	-128				-															
	MEP & ELV Containment	13	25-May-18	08-Jun-18	27-Oct-18	10-Nov-18	0%	0%	-128	ļļ <u>.</u>																		
	MEP Riser Installation-1st/2nd Fix Installation	27	21-Apr-18	24-May-18	26-Sep-18	26-Oct-18	0%	0%	-128								=			$\frac{\cdot}{\cdot}$								
	Testing & Comissioning (G/F - 8/F & R/F)												i ! !															
MEP System Electrical	T&C												-					-		- 1								
	CSF Tower Sub-circuit Power On	54	09-Jun-18	13-Aug-18	12-Nov-18	16-Jan-19	0%	0%	-128		!		1															_
	TX Room A CLP power on (M+ & CSF)	0	=0	24-Mar-18	0	27-May-18	_	0%	-64										1				TX Roc	m A CLP	oower on (N	/I+ & C'SΓ	F),	
HVAC	minosini ezi penei en (ini a esi)			2 : 11101 10		27 1114 10	20070	0,0	•		į		Y												(.		"	

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Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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D	Activity Name	CMWP	CMWP -	CMWP	Actual /	Actual /		Actual %	Finish		March			April				May			June	
		Dur.	R0.D8 Start	-R0.D8 Finish	Forecast Start	Forecast Finisl		Complete	Variance (+/-d)	5 04	30 11 18	25	01	31 08 15	22	29	06	32 13	20 27	7 03	33	7 24
HOP DRAW	/INGS + DESIGN CALCULATION			FINISH	Start		Complete		(+/-0)	3 04	11 10	20	01	00 13	22	23	00	13	20 21	03	10 1	7 24
	/ING + DESIGN CALCULATION - by Redland					,									ļ				<u> </u>		-	
	3rd Shopdrawing for PreCast Tubes, Columns and Roof Pan	13	06-Nov-17	20-Nov-17	09-Feb-18 A	01-Mar-18 A	100%	100%	-80													
	/ING + DESIGN CALCULATION - by PISA 3rd Shopdrawing for Window Wall & Louver at 2F to 14F - F	12	20-Oct-17	04-Nov-17	02-Doc-17 A	01-Mar-18 A	100%	100%	-93													
	3rd Shopdrawing for Window Wall, Facade Window, Louver						_		-51													
	3 + DESIGN CALCULATION	15	09-Det-17	23-Det-17	04-Jan-18 A	01-Wai-16 A	100%	100%	-51	1												
	G + DESIGN CALCULATION - by PISA									····					}				<u> </u>			
A54220	1st BD Submission Cast-in Embed for Window Wall & Louve	11	20-Oct-17	02-Nov-17	30-Mar-17 A	03-Apr-18	100%	98.01%	-120				1									
E External	The state of the s																					
DE Structu \21260	re RDE - Wall, Column & 7/F Slab Complete	0		18-Mar-18	İ	01-Jul-18	100%	09/	-105													•
	TALLATION - by Permasteelisa	U		10-10101-10		01-301-18	100%	076	-105	ł												
	VATION - Glazed Glass Curtain Wall (FC-WW-03a, 03b, 04, 0	5a & 05b	o)																			
A21290	Handover of Working Area (after completion of 7/F Slab)	0		19-Mar-18		03-Jul-18	100%	0%	-83		♦											
A21310	RDE - 2/F to 3/F Install Window Curtain Wall (2 wks per floc	3	07-Apr-18	10-Apr-18	18-Jul-18	20-Jul-18	0%	0%	-83				÷	—								
A21320	RDE - 3/F to 4/F Install Window Curtain Wall	3	21-Apr-18	24-Apr-18	01-Aug-18	03-Aug-18	0%	0%	-83					-	_							
A21330	RDE - 4/F to 5/F Install Window Curtain Wall	3	07-May-18	09-May-18	15-Aug-18	17-Aug-18	0%	0%	-83								_					
A21340	RDE - 5/F to 6/F Install Window Curtain Wall	3	21-May-18	24-May-18	29-Aug-18	31-Aug-18	0%	0%	-83													
A21350	RDE - 6/F to 7/F Install Window Curtain Wall	3	05-Jun-18	07-Jun-18	12-Sep-18		0%	0%	-83													
A21295	RDE - Survey & Setting Out G/F to 7/F (North Elevation)	13	-		03-Jul-18	17-Jul-18	76.92%	0%	-83			1										
	/ATION - Glazed Glass Curtain Wall (FC-WW-03a, 03b, 04, 05														ļ						.]	
A21450	Handover of Working Area (after completion of 7/F Slab)	0		19-Mar-18		03-Jul-18	100%	0%	-83		♦											
A21470	RDE - 2/F to 3/F Install Window Curtain Wall	3	11-Apr-18	13-Apr-18	21-Jul-18	24-Jul-18	0%	0%	-83					—								
A21480	RDE - 3/F to 4/F Install Window Curtain Wall	3	25-Apr-18	27-Apr-18	04-Aug-18	07-Aug-18	0%	0%	-83						_							
A21490	RDE - 4/F to 5/F Install Window Curtain Wall	3	10-May-18	12-May-18	18-Aug-18	21-Aug-18	0%	0%	-83								_					
A21500	RDE - 5/F to 6/F Install Window Curtain Wall	3	25-May-18	28-May-18	01-Sep-18	04-Sep-18	0%	0%	-83										-			
A21510	RDE - 6/F to 7/F Install Window Curtain Wall	3	08-Jun-18	11-Jun-18	15-Sep-18	18-Sep-18	0%	0%	-83											-		
A64730	RDE - Survey & Setting Out G/F to 7/F (West Elevation)	13	19-Mar-18	06-Apr-18	03-Jul-18	17-Jul-18	76.92%	0%	-83			1										
OUTH ELE	VATION - Glazed Glass Curtain Wall (FC-WW-03a, 03b, 04, 0	5a & 05b	o)																			
A21640	Handover of Working Area (after completion of 7/F Slab)	0		19-Mar-18		03-Jul-18	100%	0%	-83		♦											
A21660	RDE - 2/F to 3/F Install Window Curtain Wall	3	14-Apr-18	17-Apr-18	25-Jul-18	27-Jul-18	0%	0%	-83		<u>.</u>			·	i !				İ			
A21670	RDE - 3/F to 4/F Install Window Curtain Wall	3	28-Apr-18	02-May-18	08-Aug-18	10-Aug-18	0%	0%	-83						<u> </u>	-						
A21680	RDE - 4/F to 5/F Install Window Curtain Wall	3	14-May-18	16-May-18	22-Aug-18	24-Aug-18	0%	0%	-83									_				
A21690	RDE - 5/F to 6/F Install Window Curtain Wall	3	29-May-18	31-May-18	05-Sep-18	07-Sep-18	0%	0%	-83										-	-		
A21700	RDE - 6/F to 7/F Install Window Curtain Wall	3	12-Jun-18	14-Jun-18	19-Sep-18	21-Sep-18	0%	0%	-83												_	
A64740	RDE - Survey & Setting Out G/F to 7/F (South Elevation)	13	19-Mar-18	06-Apr-18	03-Jul-18	17-Jul-18	76.92%	0%	-83			1										
AST ELEV	ATION - Glazed Glass Curtain Wall (FC-WW-03a, 03b, 04, 05a	a & 05b)																				
A21800	Handover of Working Area (after completion of 7/F Slab)	0		19-Mar-18		03-Jul-18	100%	0%	-83		♦											
A21820	RDE - 2/F to 3/F Install Window Curtain Wall	3	18-Apr-18	20-Apr-18	28-Jul-18	31-Jul-18	0%	0%	-83					-								
A21830	RDE - 3/F to 4/F Install Window Curtain Wall	3	03-May-18	05-May-18	11-Aug-18	14-Aug-18	0%	0%	-83							_						
A21840	RDE - 4/F to 5/F Install Window Curtain Wall	3	17-May-18	19-May-18	25-Aug-18	28-Aug-18	0%	0%	-83						<u> </u>			_	}			
A21850	RDE - 5/F to 6/F Install Window Curtain Wall	3	01-Jun-18	04-Jun-18	08-Sep-18	11-Sep-18	0%	0%	-83											÷		
A21860	RDE - 6/F to 7/F Install Window Curtain Wall	3	15-Jun-18	19-Jun-18	22-Sep-18	26-Sep-18	0%	0%	-83												-	
A64750	RDE - Survey & Setting Out G/F to 7/F (East Elevation)	13	19-Mar-18	06-Apr-18	03-Jul-18	17-Jul-18	76.92%	0%	-83			1	<u> </u>									
VEST ELE	/ATION - Facade Louvre (FC-LV-01) (2/F to 4/F)																					
A21610	RDE - 2/F Install Facade Louvre			+	05-Sep-18	+	0%	0%	-83	ļ <u>i</u>		<u> </u>			ļ				A21610 💳			
A21620	RDE - 3/F Install Facade Louvre	13	13-Jun-18	28-Jun-18	20-Sep-18	06-Oct-18	0%	0%	-83											A21	620	
	RDE - 4/F Install Facade Louvre	13	29-Jun-18	14-Jul-18	08-Oct-18	23-Oct-18	0%	0%	-83							1						A21630 -
	TALLATION - by ISP																					
A22020	EVATION - Facade Mesh Balustrade (FC-BA-02) RDE - 2/F Install Facade Mesh Balustrade (FC-BA-02)	11	21-Apr-10	04-May-19	01-Aug-18	11-Aug-18	0%	0%	-82					_								
A22020 A22030	RDE - 3/F Install Facade Mesh Balustrade (FC-BA-02)		+		15-Aug-18		0%	0%	-82	 										+-+		
				+	-		1													Ц		
A22040	RDE - 4/F Install Facade Mesh Balustrade (FC-BA-02)				29-Aug-18	-	0%	0%	-82											TI		
A22050	RDE - 5/F Install Facade Mesh Balustrade (FC-BA-02)	11		1	12-Sep-18		0%	0%	-82													
	RDE - 6/F Install Facade Mesh Balustrade (FC-BA-02)	11	∠∪-Jun-18	U3-Jul-18	27-Sep-18	09-Oct-18	0%	0%	-82													-
	ABWF & Building Services (GF - 15M/F & UR/F) F - 14F, Excluding 2F, 5F, 15F & 15MF									ł		·} -			 -				 	+-+		
	3/F - ABWF / MEP Installation (Similar working procedures a	94	13-Mar-18	09-Jul-18	26-Jun-18	16-Oct-18	15.96%	0%	-83	RDE-10120	. —			!		1	-			<u> </u>	<u> </u>	
	4/F - ABWF / MEP Installation (Similar working procedures a	94			13-Jul-18	02-Nov-18		0%	-83		RDE-10	0130								1	<u> </u>	
	, , , , , , , , , , , , , , , , , , ,		+	+	15-Aug-18		0%	0%	-82												1 1	
	6/F - ABWF / MEP Installation (Similar working procedures a	86	()/-I\/I\\\-1\\	/-Allo-1*																		

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

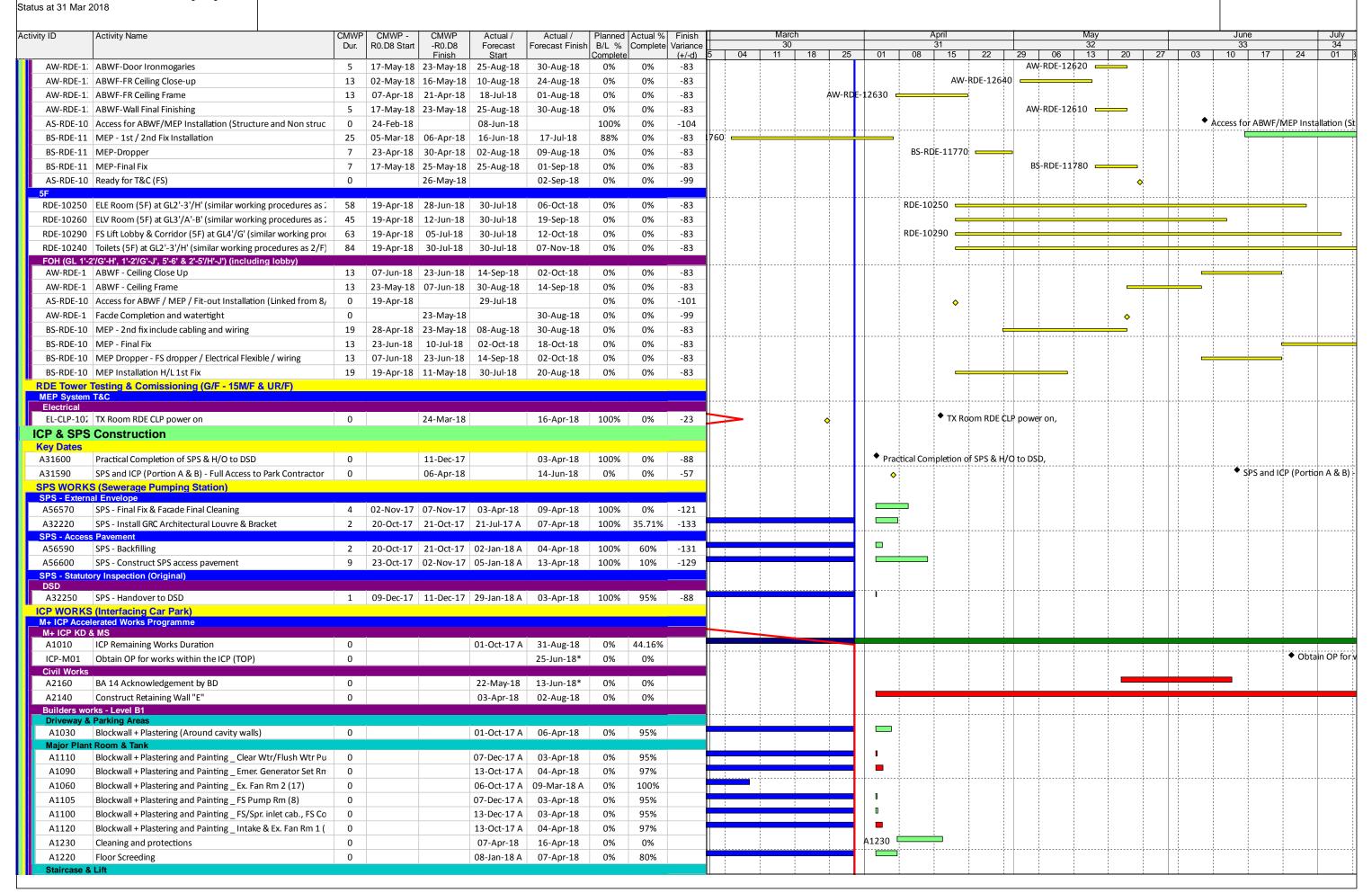
Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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vity ID	Activity Name	CMWP	CMWP - CMWP	Actual /	Actual /		Actual %	Finish		March				pril				May				June		Ju
		Dur.	R0.D8 Start -R0.D8 Finish	Forecast Start	Forecast Finis		Complete	√ariance (+/-d) 5	5 04	30 11	18	25	01 08	31 15	22	29	06	32 13	20	27	03 10	33 0 17	24	3 0
RDE-10170	8/F - ABWF / MEP Installation (Similar working procedures a	86	09-Jun-18 19-Sep-18		29-Dec-18	0%	0%	-82) 04	- 11	10	23	01 08	13	22	29	00	13	20	21	03 10	0 17	24	=
	9/F - ABWF / MEP Installation (Similar working procedures a	86	27-Jun-18 08-Oct-18	-	16-Jan-19	0%	0%	-82																
	G/F - ABWF / MEP Installation (Similar working procedures a	86	19-Jan-18 08-May-18		04-Aug-18		0%	-73							i	<u> </u>	<u> </u>	<u> </u>	<u> </u>	1	i	1 1		
2F	e, and a second control of the second contro		20 00 20		011108 20	0012011	4,1																	
Toilets (GL 2	1	1														ļ						<u> </u>		
	ABWF - Block Wall	13	24-Feb-18 10-Mar-18		23-Jun-18	100%	0%	-83																
	ABWF - Ceiling Close up / Ceiling Finish	7	14-May-18 21-May-18		29-Aug-18	0%	0%	-83									-	1	-					
	ABWF - Ceiling Grid/Ceilng Panel with Service Openings	7	02-May-18 09-May-18		17-Aug-18	0%	0%	-83	-					}	-		- ;				!			
	ABWF - Cublic Partition	7	23-May-18 30-May-18	30-Aug-18	06-Sep-18	0%	0%	-83												-				
	ABWF - Final Fix-Sanitaryware / Sink / Door	7	31-May-18 07-Jun-18		14-Sep-18	0%	0%	-83								ļ								
	ABWF - Floor screeding / Wall Plastering/ Tiling	19	09-Apr-18 30-Apr-18	19-Jul-18	09-Aug-18	0%	0%	-83	-					1	-						1 1 1			
	ABWF - Waterproofing/Water Test	7	27-Mar-18 07-Apr-18	11-Jul-18	18-Jul-18	42.86%	0%	-83				$\overline{}$												
	ABWF / MEP Installation Completed	0	16-Jun-18		23-Sep-18	0%	0%	-99													•	♦		
	Access for ABWF/MEP Installation (Linked from 5/F Slab Cas	0	24-Feb-18	08-Jun-18		100%	0%	-104													Acces	s for ABWF/M	EP Insta	ılatio
BS-RDE-10	MEP - Low Level P&D Pipework, H/L 1st/2nd Fix	13	12-Mar-18 26-Mar-18	25-Jun-18	10-Jul-18	100%	0%	-83								ļ								
	MEP Dropper	3	10-May-18 12-May-18	18-Aug-18	21-Aug-18	0%	0%	-83	-								_				!			
	MEP Final Fix	7	08-Jun-18 15-Jun-18	15-Sep-18	22-Sep-18	0%	0%	-83													-	-		
•	5'/G'-J') (including lobby)	12	24 Feb 10 10 May 10	00 lun 10	22 Jun 18	1000/	00/	02																
	ABWF - Block Wall	13	24-Feb-18 10-Mar-18		23-Jun-18	100%	0%	-83													1			
	ABWF - Ceiling Close Up	/	25-Apr-18 04-May-18		13-Aug-18	0%	0%	-83								Ī								
	ABWF - Ceiling Frame	13	10-Apr-18 25-Apr-18		04-Aug-18	0%	0%	-83							_									
	ABWF - Door frame& panels & ironmongeries installation	7	04-Jun-18 12-Jun-18	•	19-Sep-18	0%	0%	-83																
	ABWF - Wall Final Finish	13	18-May-18 04-Jun-18	_	11-Sep-18	0%	0%	-83															,	
	Access for ABWF / MEP / Fit-out Installation (Linked from 5,	0	24-Feb-18	08-Jun-18		100%	0%	-104													Acces	s for ABWF / N	1EP / Fit-	-ou
	Facde Completion and watertight	0	10-Apr-18		20-Jul-18	0%	0%	-101					•			ļ <u>.</u>							<u></u>	
	MEP - 2nd fix include cabling and wiring	19	14-Mar-18 10-Apr-18		20-Jul-18	71.93%	0%	-83	-	-				-	-						!			_
	MEP - Final Fix	13	03-May-18 18-May-18		27-Aug-18	0%	0%	-83									-							
	MEP Dropper - FS dropper / Electrical Flexible / wiring	13	17-Apr-18 03-May-18		11-Aug-18	0%	0%	-83								_								
	MEP Installation H/L 1st Fix	19	03-Mar-18 26-Mar-18	15-Jun-18	10-Jul-18	100%	0%	-83	-	-											-	1 1		
	Ready for T&C (FS)	0	18-May-18		27-Aug-18	0%	0%	-101								ļ		♦						
Kitchen (GL	ABWF - Ceiling Close Up	7	14-Apr-18 23-Apr-18	25_lul_19	02-Aug-19	0%	0%	-83					AW-RDE-10840		_						1			
		7			02-Aug-18						۸۱۸/		0830		-									
	ABWF - Ceiling Frame	7	06-Apr-18 14-Apr-18		25-Jul-18	100%	0%	-83 -83	AVA/ DDE	10920	A.VV-		0830											ľ
	ABWF - Close Dry Wall	7	19-Mar-18 27-Mar-18		11-Jul-18				AVV-NDE	-10820		_						A\/	V-RDE-10	1850				
	ABWF - Door frame& panels & ironmongeries installation	-	02-Jun-18 11-Jun-18	•	18-Sep-18	0%	0%	-83										AV	V-KDE-10					
	ABWF - Dry Wall stud	-	24-Feb-18 03-Mar-18		15-Jun-18	100%	0%	-83									۸۱۸/	DDE 100	980 🚢					
	ABWF - Floor Finishes on raised floor	/	25-May-18 02-Jun-18	· .	10-Sep-18	0%	0%	-83							A)A/ DE	10070	1	KDE-105	980 📛		i ! !			
	ABWF - Wall Final Finish		09-May-18 25-May-18		01-Sep-18	0%	0%	-83						-	AW-RL	E-10870	-	- 1			•	- f A D\A/E /A	4ED / E:1	
	Access for ABWF / MEP / Fit-out Installation (Linked from 5,	0		08-Jun-18	00 1 1 10	100%	0%	-104													Acces	s for ABWF / N	/IEP / FIT-	
	Facde Completion and watertight	0	19-Mar-18		03-Jul-18	100%	0%	-106			>					ļ						· -		•
	MEP - 2nd fix include cabling and wiring	19	10-Mar-18 06-Apr-18		17-Jul-18	84.8%	0%		DE-10550 =				26.22	- 40-70								T		
	MEP - Final Fix	13	23-Apr-18 09-May-18		17-Aug-18	0%	0%	-83						E-10570			-							
	MEP Dropper - FS dropper / Electrical Flexible / wiring	7	14-Apr-18 23-Apr-18		02-Aug-18	0%	0%	-83					BS-RDE-10560	- 1	•									
	MEP Installation 1st Fix	19	24-Feb-18 19-Mar-18	08-Jun-18	03-Jul-18	100%	0%	-83			•													_
	Ready for T&C (FS)	0	09-May-18		17-Aug-18	0%	0%	-100									♦							
ELE Room (GL 2'-3/H') ABWF - Ceiling/Walll Sealer	_	24-Feb-18 01-Mar-18	00 Jun 10	13-Jun-18	100%	0%	-83	<u> </u>													ı		
	ABWF - Door / Ironmonargies	2	08-May-18 09-May-18		17-Aug-18	0%	0%	-83							AW-RDE	-10720	_							
	Acces for ABWF / MEP Installation (Linked from 5/F Slab Cas	0	24-Feb-18	08-Jun-18	17-Aug-18	100%	0%	-104							AVV-NOL	10720	_				♦ Acces	for ABWF / M	FD Insta	llati
		-			14 Jul 10																1	TOT ABOUT 7 IVI	Li ilista	iati
	MEP - 1st Fix		02-Mar-18 03-Apr-18		14-Jul-18	96%	0%	-83			BS-RD	E_102	30			<u> </u>	·		·					
ELV Room (MEP - 2nd & Final Fix	27	04-Apr-18 07-May-18	TO-JUI-T9	15-Aug-18	0%	0%	-83			DJ-KD	, L-102												
	ABWF Sealer paint	3	24-Feb-18 27-Feb-18	08-Jun-18	11-Jun-18	100%	0%	-83													÷			
	ABWF-Door / Ironmongaries		15-Mar-18 17-Mar-18		30-Jun-18	100%	0%		AW-RDE-107	10 📥					-									
	Access for ABWF/MEP Installation (Linked from 5/F Slab Cas		24-Feb-18	08-Jun-18	22 7411 10	100%	0%	-104		_				-	-						♦ Acces	s for ABWF/M	EP Instal	llat
	MEP - ELV- Equipment Rack / Cabling / Connection	-	19-Mar-18 23-Apr-18		02-Aug-18		0%	-83	RS-RDF	-10500						ł								
	MEP 1st / 2nd Fix		28-Feb-18 14-Mar-18		27-Jun-18	100%	0%	-83	55-NDL	10300					-						_			
		0		17-Juil-10						_				į										
	Ready for ELV system T&C by & Corridor @GL 4/G'	U	24-Apr-18		03-Aug-18	0%	0%	-101							\Q						1			
ES Liff Lobb													: :		1	1				1 1		1 1		ı

File Name: 3MRP-30 Three Months Rolling Programme

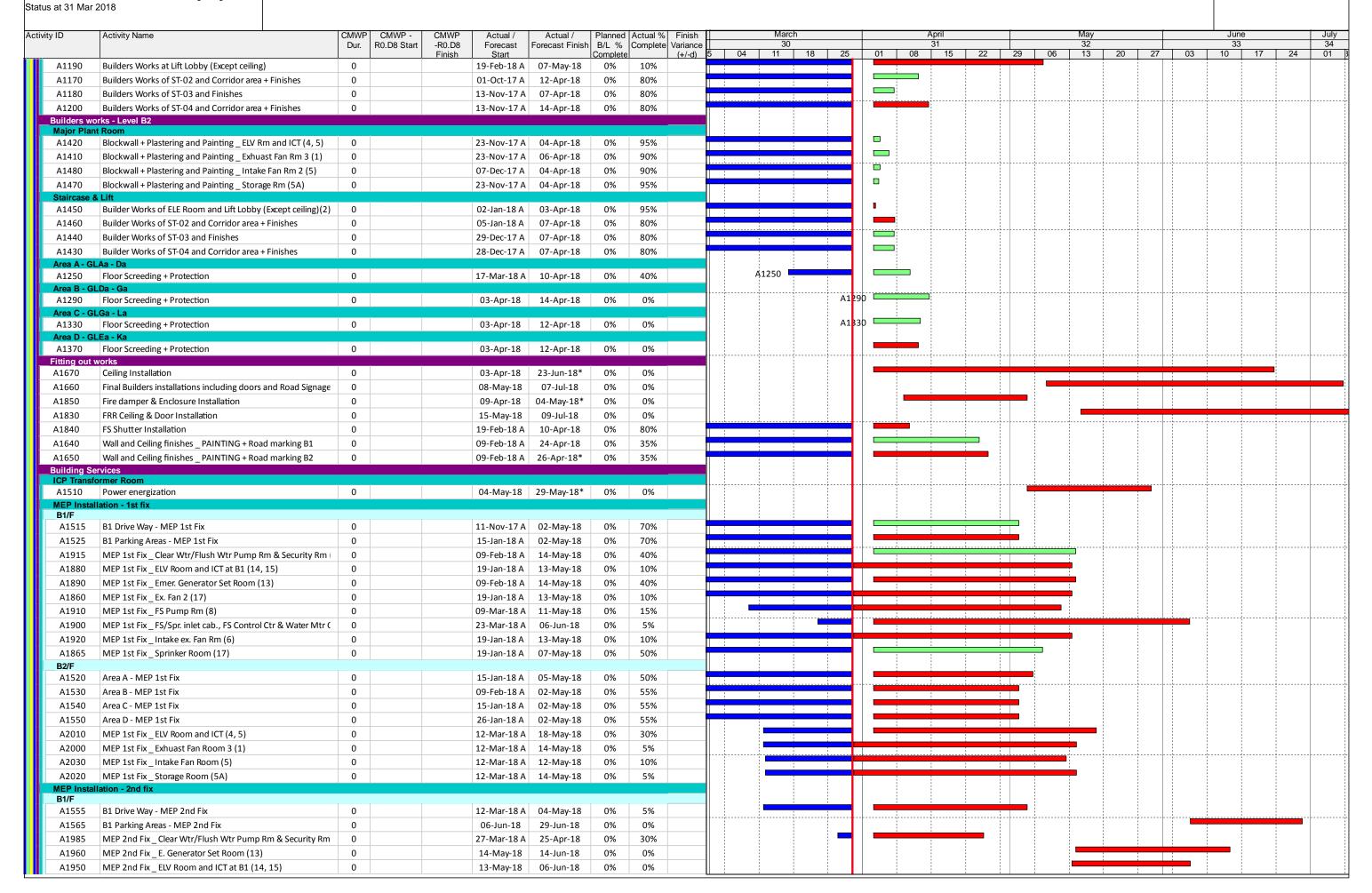
Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:



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tivity ID	Activity Name	CMWP	CMWP - CMWI		Actual /		d Actual %			March	1		А	April				May 32			Jur 33		
		Dur.	R0.D8 Start -R0.D		Forecast Finis	h B/L % Complet		Variance (+/-d)	5 04	30	18 25	01	08	15	22	29	06		20 27	03		4	24
A1930	MEP 2nd Fix _ Ex. Fan (17)	0	1 111131	13-May-18	06-Jun-18	0%	0%	(17 0)			.0 20	, , , , , , , , , , , , , , , , , , ,	- 00				00		1 1		1		
A1980	MEP 2nd Fix_FS Pump Rm (8)	0		11-May-18	02-Jun-18	0%	0%				 									-		· 	:
A1970	MEP 2nd Fix_FS/Spr. inlet cab., FS Control Ctr & Water Mtr	0		06-Jun-18	30-Jun-18	0%	0%								! ! !					_	-	1	
A1990	MEP 2nd Fix _ Intake ex. Fan Rm (6)	0		13-May-18	06-Jun-18	0%	0%								! ! !					<u> </u>			
A1935	MEP 2nd Fix _ Sprinker Room (17)	0		26-Mar-18 A		0%	30%				_				:								
A1945	MEP 2nd Fix _ Switch Room (12)	0		16-Mar-18 A		0%	5%																
B2/F	WEI ZHOTK_SWICHTHOOM (12)			10 10101 107	04 Way 10	070	370								; ;	+		-	 				
A1560	Area A - MEP 2nd Fix	0		05-May-18	07-Jun-18	0%	0%								1 1 1		-	1					
A1570	Area B - MEP 2nd Fix	0		23-Apr-18	26-May-18	0%	0%									:	!	<u> </u>					
A1580	Area C - MEP 2nd Fix	0		03-May-18	04-Jun-18	0%	0%									-		-					
A1590	Area D - MEP 2nd Fix	0		03-May-18	04-Jun-18	0%	0%								! ! !	-		1		 			
A2050	MEP 2nd Fix _ ELV Room and ICT (4, 5)	0		18-May-18	20-Jun-18	0%	0%		 						 	·	 	† -	 	- 			!
A2040	MEP 2nd Fix _ Exhuast Fan Room 3 (1)	0		14-May-18	07-Jun-18	0%	0%												1 1				
A2070	MEP 2nd Fix _ Intake Fan Room (5)	0		12-May-18	05-Jun-18	0%	0%								1 1 1			 		 			
A2060	MEP 2nd Fix _ Storage Room (5A)	0		14-May-18	07-Jun-18	0%	0%								1 1 1					1			
Overall ME		U		14 Widy 10	07 Juli 10	070	070																
	Test & Commissioning for all MEP system	0		06-Jun-18	03-Jul-18*	0%	0%											1	†	_			:
Lift Installa											}				! ! !		}						
A1610	Lift Installation	0		15-Mar-18 A	12-May-18	0%	10%				1		:	: :		:	;	1					
ICP Statutor														A Discour	Link Co		DOCIAN						
A2170	Direct Link Complete (By PCCW)	0			16-Apr-18*	0%	0%				<u>.</u>			◆ Direct	LINK COI	mpiete (E	y PCCW)	<u> </u>	ļ				ļ
EMSD A1630	Issue of use permit	0		20 May 10*	15 Jun 10	00/	00/								1 1 1		-			;	1		:
A1630		0		29-May-18*		0%	0%											LE5 Sub	mission				
A1620 FSD	LE5 Submission	0			12-May-18	0%	0%											LLS Suc	1111331011,				
	iding Roof Landscaping Works)																						
A2110	FSD Approval of VAC 314	0		06-Mar-18 A	23-Mar-18 A	0%	100%			:				; ;	†			1				-	:
A2090	FSD inspection	0		27-Apr-18	19-May-18	0%	0%								_		.	:					
A2130	Issuance of FS Certificate	0			19-May-18	0%	0%											•	Issuance of F	S Certificat	e,		
A2120	Submission of Form FS501 for FSD inspection	0		13-Apr-18		0%	0%						•	Submissi	on of Fo	rm FS501	for FSD	inspectio	1, 13-Apr-18				
A2100	VAC 314 layout & Form 314 submission	0		06-Mar-18 A		0%	100%		◆ VAC 31	4 layoບໍ່	it & Form 314 s	ubmission,	06-Mar-	18 A	1 1 1		-				-		
ОР	1,1111111111111111111111111111111111111														¦	·	†	†	<u> </u>	+		1	
A1675	FSD Approval of VAC 314	0		03-May-18	01-Jun-18	0%	0%									_	:			7			
A1665	VAC 314 layout & Form 314 submission	0		03-May-18*		0%	0%								i ! !	• \	AC 314 I	ayout & F	orm 314 subm	ission, 03-	May-18*		
WSD																							
Portable W		0		06 May 19	27 May 19*	00/	00/										-		<u>i</u>	+			
	Complete meter installation & water main connection (Porta	-		-	27-May-18*		0%									1							
A1750	Issue Water Sample Report (Portable Water)	0			02-May-18		0%							_	1								
A1740	WSD Inspection	0		03-Apr-18	16-Apr-18	0%	0%					♦ \ \\\\\	O46 Part	IV Subm	iccion (D	ortable M	(ator) 03	Λnr-10*					
A1730	WWO46 Part IV Submission (Portable Water)	0		03-Apr-18*		0%	0%					~ ~~~	040 Part	iv Subili	1551011 (P	or table v	/ater), 03	1 .	1	Culomissia	n (Dortable	Mator	
A1760	WWO46 Part V Submission (Portable Water)	0			17-May-18	0%	0%									. .	<u> </u>	- V	VWO46 Part V	Submissio	ii (Portable	vvater),	<u>.</u>
FS Water A1820	Complete meter installation & water main connection (FS W	0		17-May-18	08-Jun-18*	0%	0%											_	1	1	ı		
A1820 A1800	Issue Water Sample Report (FS Water)	0		16-Apr-18	02-May-18	0%	0%									<u> </u>							
A1800 A1790	WSD Inspection	0		03-Apr-18	16-Apr-18	0%	0%							_	 		1						
A1790 A1780	WWO46 Part IV Submission (FS Water)	0		03-Apr-18*	10-Whi-19	0%	0%					♦ \ \\\\	O46 Part	IV Subm	ission (F	S Waterl	03-Anr-	18*					
	,	-		03-Apr-18	47.1440											- vvater,			; VWO46 Part V	Submission	n (FS Wate		<u> </u>
	WWO46 Part V Submission (FS Water) pletion and Handover Programme	0			17-May-18	0%	0%												VVO40Talt V	Jubinissio	ii (ii 5 vvate	iy,	
Milestone D																							
	IPA-01 Complete Removal of HCC CSO	0			11-Apr-18*	0%	0%						◆ IPA	4-01 Com	plete Re	moval of	HCC CSC),					
IPA.MS.02	IPA-02 Complete HCC scope and Ready for Handover to SFK	0			03-May-18*	0%	0%									• I	PA-02 Co	mplete F	CC scope and F	eady for H	landover to	SFK - Are	∳a A,
_CSO Area								,							 		}		!	1			<u> </u>
IPA.AC.170	Complete Removal of HCC CSO (IPA-01)	0		12-Apr-18		0%	0%						♦ C	omplete I	Removal	of HCC C	SO (IPA-	01), 12-A	pr-18				
IPA.AC.190	Construct CSO footprint	0		12-Apr-18	09-Jun-18*	0%	0%					IPA.AC.	190 💳					1					
IPA.AC.40	Remove CSO Office	0		09-Mar-18 A	11-Apr-18	0%	50%						_		! ! !								
IPA Area A -														ļi	! ! !		<u> </u>	<u> </u>	ļ	1.1			<u> </u>
Low level															! ! !								
Backfill Low level	(Area 1)																						
	Backfill with soil & SRT	0		22-Mar-18 A	09-Apr-18	0%	80%		IF	A.AA.4	00				, ! !								
IPA.AA.4			1		i			-	1 i i -		1		; ;	; ;	i	1.1	i	i	1	1 1	i		
	Construct conc encase	0		12-Mar-18 A	17-Mar-18 A	0%	100%				į					1 1		1		1 :	1	1	;
IPA.AA.2	Construct conc encase Construct light weight conc	0			17-Mar-18 A 20-Mar-18 A		100%										<u> </u>	-				-	:

Data Date: 30-Mar-18 Layout Name: 01) CMWP - 3MRP (M30)

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Activity ID Activity Name CMWP -Actual / Planned Actual % Finish Dur. R0.D8 Start -R0 D8 Forecast Forecast Finish B/L % Complete Variance 11 18 25 01 08 15 22 29 06 13 Finish Start Complete (+/-d)Backfill-1 Low level (Area 2) IPA.AA.2 Backfill with soil & SRT 17-Jan-18 A 06-Apr-18 0% IPA.AA.410 IPA.AA.4 Form access road at low level 21-Mar-18 A 09-Apr-18 0% 10% Backfill IPA.AA.2 Backill with soil & SRT 0 22-Mar-18 A 07-Apr-18 0% 80% IPA.AA.2 Construct RC encasement 0 17-Jan-18 A 16-Mar-18 A 100% IPA.AA.2 Place conc blocks 0 19-Mar-18 A 21-Mar-18 A 0% 100% ◆ Complete HCC scope and Ready for Handover of Area A to Park Contractor, IPA.AA.420 Complete HCC scope and Ready for Handover of Area A to P 0 03-May-18 0% 0% IPA.AA.360 Construct irrigation system 09-Apr-18 02-May-18 0% 0% IPA.AA.320 Construct Cable ducts & Draw pits i.e ICT, ELV, FTNS, lighting 22-Mar-18 A 26-Apr-18 0% 30% IPA.AA.340 Construct district wide CLP cable ducts & Draw pits 09-Apr-18 0% 0% 02-Mav-18 IPA.AA.310 Construct drainage, catch pits & UC 0 22-Mar-18 A 26-Apr-18 5% 0% IPA.AA.390 Construct fencing 0 09-Apr-18 02-May-18 0% IPA.AA.380 Construct fire mains 09-Apr-18 02-May-18 IPA.AA.350 Construct light ducts & pole footings 0 22-Mar-18 A 26-Apr-18 0% 30% IPA.AA.370 Construct main path & secondary path 0 09-Apr-18 02-May-18 0% 0% IPA.AA.330 Construct Root Barriers 09-Apr-18 13-Apr-18 0% 0% IPA Area B - Earthwork Clear up & water proofing ICP & use as facade yard (High level - South) IPA.AB.90 Clear up Area B 03-Apr-18 09-Apr-18 0% IPA.AB.70 Install water proofing, test, pour screeding (2 bays) 16-Jan-18 A 16-Mar-18 A 0% 100% IPA.AB.80 Local backfill & level the ground for formwork yard & facade 0 17-Mar-18 A 23-Mar-18 A 0% 100% IPA.AB.120 Backfill with soil 26-Apr-18 18-May-18 0% 0% IPA.AB.110 Construct light weight concrete 0 20-Apr-18 25-Apr-18 0% 0% IPA.AB.100 Install ASC block and RC encase 0 10-Apr-18 19-Apr-18 0% 0% IPA.AB.140 Construct district wide CLP Cable ducts & Draw pits 14-Jun-18 18-Jul-18 0% 0 0% IPA.AB.130 Construct drainage, catch pits & UC 0 19-May-18 22-Jun-18 0% 0% IPA.AB.150 Construct light ducts & pole footings 0 29-Jun-18 24-Jul-18 0% IPA Area C - Earthwork IPA.AC.230 Backfill to design profile (deferred area) 0 18-May-18 30-May-18 0% 0% Between SE2.7 - DM52C (~39m) IPA.AC.1: Backfill & SRT 24-Apr-18 26-Apr-18 IPA.AC.60 Excavate & install 1st strut 0 09-Apr-18 11-Apr-18 0% 0% IPA.AC.70 Excavate & install 2st strut 0 0% 12-Apr-18 14-Apr-18 0% IPA.AC.80 Excavate to formation & SRT & blinding 0 0% 16-Apr-18 17-Apr-18 0% IPA.AC.90 Install 1200mm pipes 0 18-Apr-18 20-Apr-18 0% 0% 0 0% IPA.AC.50 Install sheet piles 03-Apr-18 07-Apr-18 0% IPA.AC.1 Plug off manhole SE2.7 & DM52C 0 23-Apr-18 0% 0% 23-Apr-18 Λ IPA.AC.1: Remove sheet piles 27-Apr-18 28-Apr-18 0% 0% 0 IPA.AC.11 Testing 21-Apr-18 21-Apr-18 0% 0% Between F2.1E - SM19 IPA.AC.2: Backfill & SRT & remove ELS 16-May-18 17-May-18 0 10-May-18 0% IPA.AC.1 | Exavate to formation & SRT & blinding 09-May-18 0% IPA.AC.1! Excavate & install ELS (1st laver) 0 05-May-18 08-May-18 0% 0% IPA.AC.1: Install 300DI pipes 0 11-May-18 12-May-18 0% 0% 0 IPA.AC.1 Install sheet piles 30-Apr-18 04-May-18 0% 0% IPA.AC.2 Plug off manhole F2.1E & SM19 0 15-May-18 0% 0% 15-May-18 IPA.AC.21 Testing 0 14-May-18 14-May-18 0% 0% IPA.AC.240 IPA.AC.240 Construct drainage, catch pits & UC 0 31-May-18 20-Jun-18 0% 0% Construct district wide CLP ducts IPA.AC.350 IPA.AC.3! Backfill & SRT 0 14-Jun-18 20-Jun-18 0% 0 0% IPA.AC.3 Lay ducts 09-lun-18 13-lun-18 0% IPA.AC.2! Open cut to formation & SRT & blinding 0 31-May-18 08-Jun-18 0% 0% Construct light ducts & pole footings

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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vity ID	Activity Name		CMWP - R0.D8 Start	CMWP Actual / -R0.D8 Forecast	Actual / Forecast Finish		Actual %	Finish Variance		March 30			Ap 31					May 32				June 33		
П		Dui. K	NO.DO Statt	Finish Start		Complete	i i	(+/-d)	5 04		18 25	01		15	22	29	06	13	20 2		03 1	10 17	24	
	Excavate to formation & SRT & blinding	0		31-May-18		0%	0%												IPA.AC.260	1 1	_			
	Install ducts & backfill	0		02-Jun-18	06-Jun-18	0%	0%												IPA.AC.28	30	-			
	cable ducts	0		00 lun 10	12 Jun 10	00/	00/							-					IPA	Δ Δ C 32	20			
	Construct lighting base			08-Jun-18	12-Jun-18	0%	0%												IPA.AC.29	1 :				
	Excavate to formation & SRT & blinding	0		02-Jun-18	02-Jun-18	0%	0%			<u> </u>									IPA.AC.					
	Install ducts & backfill	0		04-Jun-18	07-Jun-18	0%	0%												IPA.AC.	.300 -	_			
South sic	ion of EVA										-													
	Lay kerbs	0		04-Jun-18	13-Jun-18	0%	0%														_			
IPA.AC.3	Lay path base	0		08-Jun-18	20-Jun-18	0%	0%														÷			
	Lay path surface	0			26-Jun-18*	0%	0%															-		
	Prepare formation and SRT	0		31-May-18		0%	0%																	
	on of remaining paths & EVA	U		31 Way 10	02 Juli 10	070	070																	
	0 Lay kerbs	0		19-Jun-18	23-Jun-18	0%	0%							-									_	
	0 Lay path base	0		25-Jun-18	30-Jun-18	0%	0%																_	
	0 Open cut to formation & SRT & blinding	0			16-Jun-18	0%	0%			†			 											
	eeding CHW to Park Freespace Building	· ·		11 3411 10	10 Juli 10	070	070																	
Constructio																								
DCS.170	Cable Laying (by CLP)	0		11-May-18	08-Jun-18	0%	0%											į			-			
DCS.160	Construct Civil Works	0		16-Mar-18 A	08-May-18	0%	60%			<u> </u>												J		
DCS.220	Power On	0		09-Jun-18	28-Jun-18	0%	0%														-			1
DCS.100	Short Pipe Fabrication and Delivery	0		19-Jan-18 A	11-Jun-18*	0%	0%							-			-							
DCS Plant																					<u> </u>			
	Power on to Chilled Water Plant	0		04-Jun-18	21-Jun-18*	0%	0%													-				
	Pump Shell						001						 							Colmon	lation of I	netallation \	Morles	
	Completion of Installation Works	0			30-May-18*		0%												`	Comp	etion of i	nstallation V	vorks,	
	Pipe Flushing incl. Testing and Commissioning	0		· · · · · · · · · · · · · · · · · · ·	30-Jun-18	0%	0%																-	_
	Power on to Sea Water Plant	0		04-Jun-18	21-Jun-18	0%	0%													-				
_	I water pipes	0		02 Apr 10*	21 May 10*	00/	09/						1 1	İ	1	i			i					
	Pipe Flushing incl. Testing and Commissioning	0		03-Apr-18**	31-May-18*		0%		·	ļ			ļ							Poac	ly for fina	l connection	by Park	
DCS.200	Ready for final connection by Park	0			31-May-18	0%	0%													neac	y ioi iiiiai	Confection	i by Park,	,
DCS-01	Complete Installation of Cable Ducts for CLP Inspection	0			08-May-18*	0%	0%										◆ Comp	lete Ins	tallation of Ca	able Duc	ts for CLP	Inspection.		
DCS-01	Energise Transformer Room TX C	0			28-Jun-18*	0%	0%															,		♦ Ene
ICP - Externa		U			28-Juli-18	078	076																	
A37020	ICP - Facade Louvre Screen Final Cleaning	14 0	05-Dec-17	20-Dec-17 02-Jun-18	22-Jun-18	100%	0%	-144															j	
A37000	ICP - GRC Facade Final Cleaning			20-Dec-17 02-Jun-18	22-Jun-18	100%	0%	-144													-	\rightarrow	•	
A37010	ICP - Install Facade Louvre Screen			04-Dec-17 14-Apr-18		100%	0%	-142					Ė	<u> </u>	- 1			<u> </u>						
A36990	ICP - Install GRC Architectural Louvre & Bracket			04-Dec-17 14-Apr-18				-142					<u> </u>		1									
External Wo		30 2	25 Oct 17	04 BCC 17 14 Apr 10	02 3411 10	10070	070	172						-										
SPS	7110									† 														
	External Utilities & Roadworks																							
	Parties A. Alexas Clab Hilling 9. Size Hadron	54 2	M N - 17	26 1 40 40 14 40 4	22 14 40 4	4000/	4000/	4.0																
	Portion A - Above Slab Utilities & Fire Hydrant			26-Jan-18 19-Mar-18 A			100%	-44							1									
A37350	Portion A - EVA Carriageway / Roadworks			06-Apr-18 12-Mar-18 A	-			-43	I															
	Portion A - Final backfilling			02-Mar-18 28-Oct-17 A		100%	95%	-26						-			- 1							
	Portion A - Waterproofing & Backfilling	53 2	20-Oct-17	22-Dec-17 08-Oct-17 A	23-Mar-18 A	100%	100%	-72																
ICP - G/F F	xternal Utilities & Roadworks																							
	Portal from At-grade Road												<u> </u>											
_	ICP - Construct Entrance Carriageway	11 0	01-Dec-17	13-Dec-17 03-Apr-18	17-Apr-18	100%	0%	-96			-					-			-		-			[
A56620	ICP - Final backfilling at Entrance Portal	2 2	29-Nov-17	30-Nov-17 19-Mar-18 A	03-Apr-18	100%	80%	-96		•		l l												
	ve ICP at Portion B		,												- 1		- 1	_						
A37480	Portion B - Above Slab Utilities & Fire Hydrant	27 0	04-Dec-17	08-Jan-18 10-Apr-18	16-May-18	100%	0%	-102			į			-	į.		1					_		
A37500	Portion B - EVA Carriageway / Roadworks	54 2	28-Nov-17	01-Feb-18 03-Apr-18	14-Jun-18	100%	0%	-105		<u> </u>	<u> </u>		jj									_		
A37490	Portion B - Final backfilling	85 2	20-Oct-17	31-Jan-18 30-Aug-17 A	21-May-18	100%	0%	-86	1	1 1	!		1 1	1	:	:	1	:	-					
A37470	Portion B - Waterproofing & Backfilling	27 0	3-Nov-17	04-Dec-17 23-Sep-17 A	10-Apr-18	100%	80%	-99		1 1	1						-				-			
	ted External Works & Utilities Services Insta																							
nterface Da																								
	S _.								1		<u>-</u>		<u> </u>	i			<u>j</u>							
Access Date									1 1	,,,	- 1						and the second							
Access Date A60730	LO1 - West of Lyric Main Site LO1 (near M14 & M14a) (15Au M70 - Arts Pavilion Area on M+ side of M+ / Park Interface (20-Oct-17	30-Mar-18 30-Mar-18*		100% 100%	0% 0%	-161 -161					1 1						17), 30-Mar-1 .), 30-Mar-18					

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme

Status at 31 Mar 2018

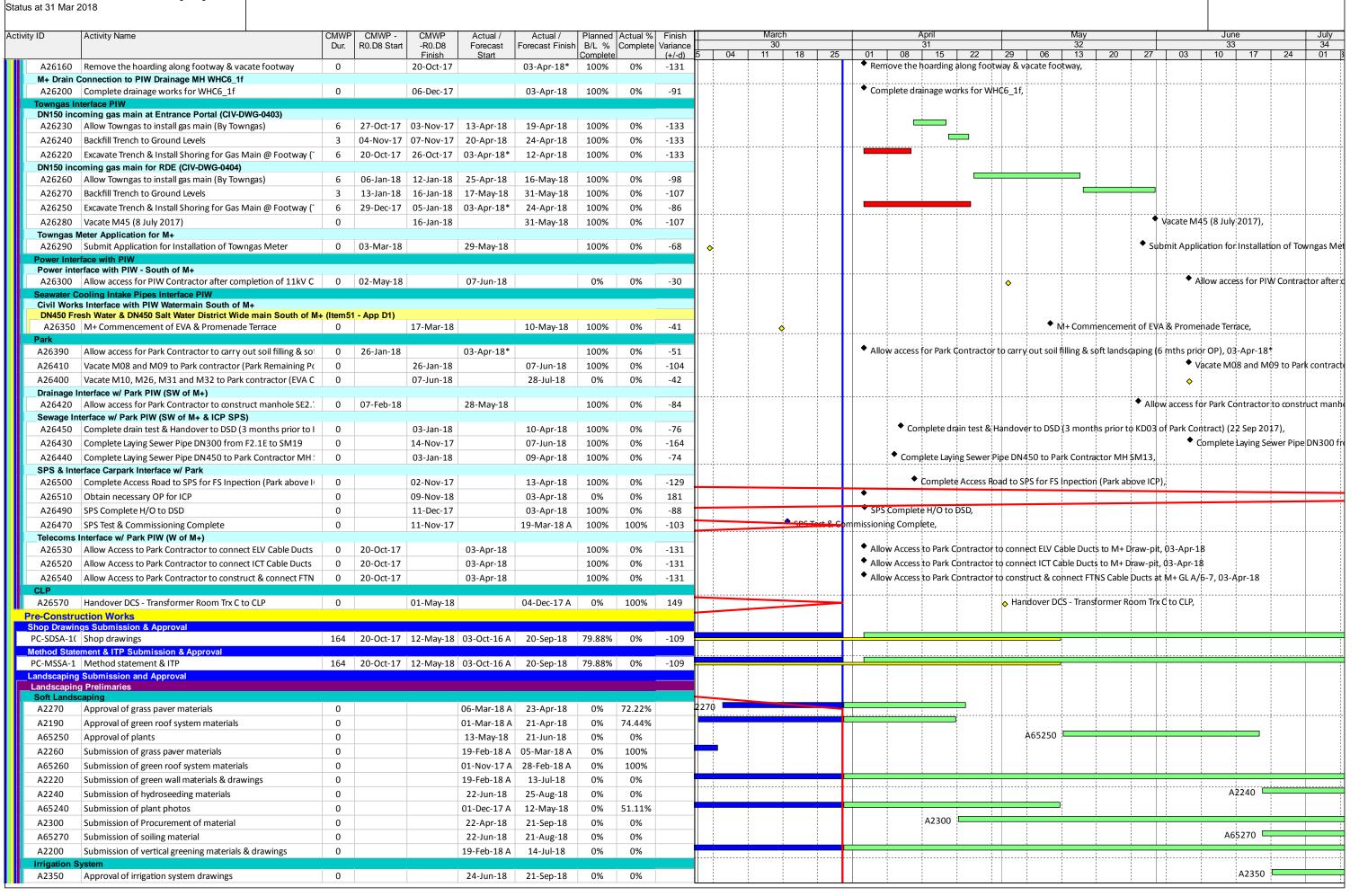
Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

Activity ID Activity Name CMWP -Planned Actual % Finish Actual Dur. R0.D8 Start -R0.D8 Forecast B/L % Variance Forecast Finish 01 08 15 22 29 06 13 20 27 03 11 18 25 Finish Complet (+/-d)L01 - West of Lyric Main Site L01 (near M14 & M14a) (15Aug2017), LO1 - West of Lyric Main Site LO1 (near M14 & M14a) (15Au 01-Dec-17 30-Mar-18* 100% -118 A60740 LO4 - East of Lyric Main Site LO4 (near AISO office) (27Jun2017), L04 - East of Lyric Main Site L04 (near AISO office) (27Jun20 0 15-Nov-17 30-Mar-18 100% 0% -135 L04 - West of Lyric Main Site L04 (near M14) (15Aug2017), L04 - West of Lyric Main Site L04 (near M14) (15Aug2017) 30-Mar-18* A60750 01-Dec-17 100% 0% -118 A60760 L06 - West of Lyric Main Site (near M14 & M14a) (15Aug20 01-Dec-17 30-Mar-18* 100% 0% -118 LO6 - West of Lyric Main Site (near M14 & M14a) (15Aug2017), A25910 L22 - Area Reserved for AISO, Northern Part including Walkv 20-Oct-17 30-Mar-18 100% 0% -161 L22 - Area Reserved for AISO, Northern Part including Walkway (25Jan2019), A25920 L23 - Area Reserved for AISO, Southern Part(25Jan2019) 20-Oct-17 30-Mar-18 100% 0% -161 L23 - Area Reserved for AISO, Southern Part (25Jan 2019), 0 L25 - MTR Area to North-West of MTR Workshop (25Jan2019) L25 - MTR Area to North-West of MTR Workshop(25Jan201 100% 0% -161 A25930 20-Oct-17 30-Mar-18 L26 - MTR Area to South-West of MTR Workshop (25Jan 2019), A25940 L26 - MTR Area to South-West of MTR Workshop(25Jan201 0 20-Oct-17 30-Mar-18 100% 0% -161 M04 - Underg M04 - Underground Fuel Tank Area beside M+ Entrance Por 0 100% 0% -165 A25240 11-Jan-18 26-Jun-18 A25260 M06 - ICP Entrance Portal beside At-grade Road, External (P 09-Nov-18 11-Apr-18 0% 0% 212 M07 - ICP Frontage beside At-grade Road (25Jan19) 0 09-Nov-18 0% 224 A25270 30-Mar-18 0% A25290 M09 - Park Phase 3 Part at Proposed EVA to Waterfront (Re 0 02-Jun-18 28-Jul-18 0% 0% -55 A25300 M10 - M+ Hoarded Area West of M+ Parcel Boundary (Refer 0 02-Jun-18 28-Jul-18 0% 0% -55 M12 - Lyric Interface North (2nd H/Q to Lyric) (31Mar17), A25320 M12 - Lyric Interface North (2nd H/O to Lyric) (31Mar17) 28-Feb-18 30-Mar-18 100% 0% -29 ◆ M13 - Lyric M13 - Lyric Interface Over AEL (H/O to Lyric) (31Aug17) 0 A25330 09-Mar-18 27-Jun-18 100% 0% -110 A25345 M14 - Lyric Interface South, GL 6-12 (2nd H/O to Lyric) 0 10-Mar-18 30-Mar-18 100% 0% -19 M14 - Lyric Interface South, GL 6-12 (2nd H/O to Lyric) ◆ M15 - M+ / Lyric Stai A25370 M15 - M+ / Lyric Staircase (2nd H/O to Lyric) (25Jan19) 10-Mar-18 20-Jun-18 100% 0% -102 M16 - M+ Lyric Interface South (2nd H/O to Lyr A25390 M16 - M+ Lyric Interface South (2nd H/O to Lyric) (31May1) 20-Oct-17 31-May-18* 100% 0% -224 A25420 M19 - M+ Waterfront Promenade Part within STT Area (H/C 15-Feb-18 30-Mar-18 100% 0% -42 M19 - M+ Waterfront Promenade Part within STT Area (H/O to Waterfront Promenade Ctr)(31Dec2017), M20 - Site Outside Parcel Bound 04-May-18 A25430 M20 - Site Outside Parcel Boundary East of Promenade (H/C 0% 0% -38 12-Jun-18 A25480 M26 - M+ Entrance interface with At-garde Road (Practical C 20-Oct-17 30-Mar-18 100% 0% -161 M26 - M+ Entrance interface with At-garde Road (Practical Completion), A25530 M32 - ICP & SPS, West of Existing Temporary Access Road (r 07-Jun-18 29-Jul-18 0% 0% -51 A25550 M38 - Lyric Waterfront (Part of MTR Area A1) (H/O to Lyric) 20-Oct-17 31-May-18* 100% 0% -224 M38 - Lyric Waterfront (Part of MTR Area A1) M39 - Lyric Waterfront / through ESS Compou A25560 M39 - Lyric Waterfront / through ESS Compound (H/O to Ly 20-Oct-17 31-May-18* 100% 0% -224 A25570 M40 - Lyric Waterfront Part for Access Around ESS Compou 08-May-18 24-Aug-18 0% 0% -108 ◆ M41 - Lyric Waterfront at Barging Point (Part of MTR Area 3) (Prior to Lyric № A25580 M41 - Lyric Waterfront at Barging Point (Part of MTR Area 3 06-Feb-18 09-May-18* 100% 0% -92 M42 - Lyric Waterfront east of barging point (Prior to Lyric Main Ctr) (31May2017), A25590 M42 - Lyric Waterfront east of barging point (Prior to Lyric N 20-Oct-17 06-Apr-18* 100% 0% -169 A25610 M44 - At-grade Road Footpath at ICP / SPS Frontage (H/O to 0 01-Mar-18 18-Jul-18 100% 0% -138 M45 - At-grade Road Footpath along M+ Basement (H/O to A25620 23-Mar-18 04-Aug-18 100% 0% -134 **\Q** A25630 M46 - M+ Waterfront Promenade Part incl' Existing MTR Pu 08-May-18 24-Aug-18 0% 0% -108 M47 - M+ Promenade Terrace (Practical Completion), A25640 M47 - M+ Promenade Terrace (Practical Completion) 08-Dec-17 30-Mar-18 100% 0% -111 A25650 M48 - M+ Waterfront Promenade Part incl' KGO Pump Cells 0 08-Dec-17 30-Mar-18* 100% 0% -111 M48 - M+ Waterfront Promenade Part incl' KGO Pump Cells (H/O to Waterfront Promenade Ctr) (31:Dec2017), M49 - M+ Waterfront Part for Access Around ESS (H/O to Waterfront Promenade Ctr) (31Dec2017) Λ 30-Mar-18 A25660 M49 - M+ Waterfront Part for Access Around ESS (H/O to W 08-Dec-17 100% 0% -111 A25690 M51 - Entrance to SPS within the ICP (H/O to Park) (29Jan2 0 22-Apr-18 29-Dec-18 0% 0% -252 M54 - Internal of ICP (Practical Completion) 104 A25700 11-Jul-18 30-Mar-18 0% 0% M55 - Footprint of RDE Building (Parcel 39B) (on OP & PC of RDE Building) (25Jul2018), A25710 M55 - Footprint of RDE Building (Parcel 39B) (on OP & PC of 20-Oct-17 30-Mar-18 100% 0% -161 M56 - Around RDE Building (Parcel 39B) (on QP & PC of RDE Building) (25Jul2018), 20-Oct-17 30-Mar-18 A25720 M56 - Around RDE Building (Parcel 39B) (on OP & PC of RDE 100% 0% -161 M65 - Visual Mock-up & Prototype Area (Practical Completion), A25770 M65 - Visual Mock-up & Prototype Area (Practical Completi 20-Oct-17 30-Mar-18 100% 0% -161 M68 - Hybrid VMU Area (Practical Completion), A25810 M68 - Hybrid VMU Area (Practical Completion) 20-Oct-17 30-Mar-18 100% 0% -161 M73 - M+ Waterfront Promenade Part Including Six Vacant 0 23-Jun-18 24-Aug-18 0% 0% -62 Interface Schedule (Appedix D1 - 16 December 2015) Along Interface North of AEL ◆ Vacate M12 permanently (31 Mar 2017). 0 28-Feb-18 -56 A25970 Vacate M12 permanently (31 Mar 2017) 10-May-18 A 100% 100% Along Interface South of AEL Complete seawater discharge pipes in Portions M15, M16, M38, M39 (31 May 2017). A25990 Complete seawater discharge pipes in Portions M15, M16, I 20-Oct-17 03-Apr-18 100% -131 A26050 Complete the staircase and external wall and permanently vi 10-Mar-18 20-Jun-18 100% 0% -80 Complete the stairca Grid 6 & 12 Area (Portion M14) ad Wall between PC96, 103 & 105 to G/F Level, A26070 Complete Basement Road Wall between PC96, 103 & 105 to 10-Mar-18 100% 100% 66 18-Dec-17 A Install new hoarding between Portion M14 & M14a for vaca 27-Mar-18 | 09-Apr-18 | 16-Mar-17 A | 24-Mar-17 A 42.19% 100% 305 63 M14 to Lyrics Contractor, A26100 Permanently vacate M14 to Lyrics Contractor 12-Mar-18 22-Dec-17 A 100% Along Interface Over of AEL 0 09-Mar-18 100% 0% -87 ◆ Permanentl A26120 Permanently vacate Portion M13 (31 Aug 2017) 27-Jun-18 100% A26110 Remove all hoardings witin Portion M13 02-Mar-18 09-Mar-18 20-Jun-18 0% -87 27-Jun-18 Interfacing with PIW At-Grade Road Construction 🕈 Complete all Excavation & Reinstatement Works @ At A26150 Complete all Excavation & Reinstatement Works @ At-grade 03-Jan-18 26-May-18* 100% 0% -114 Remove temp. works @ At-Grade Road & Footway for Park Opening (30 Sep 17), Remove temp. works @ At-Grade Road & Footway for Park 0 20-Oct-17 03-Apr-18* 100% 0% -131 M+ North West Boundary Interface with Construction At-Grade Road by PIW

Layout Name: 01) CMWP - 3MRP (M30)

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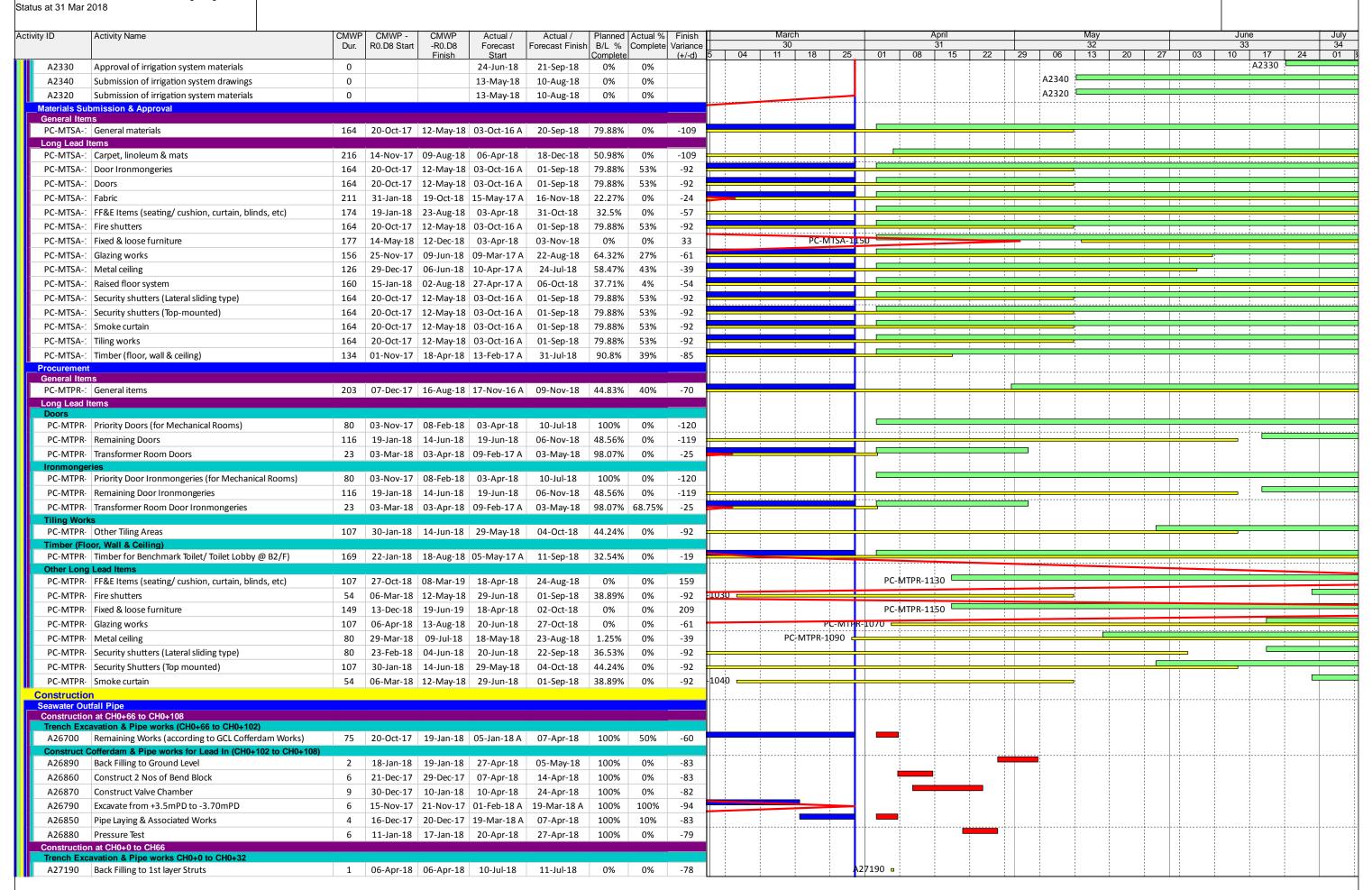
Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:



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File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

Activity ID Activity Name CMWP -Actual / Planned Actual % Finish R0.D8 Start -R0.D8 Forecast Forecast Finish B/L % Complete Variance 13 17 24 01 04 11 18 25 01 08 15 Finish Complete (+/-d) A27210 • Back Filling to GL 14-Apr-18 14-Apr-18 18-Jul-18 19-Jul-18 -78 100% 0% -65 A27160 Construct Bend Blocks 29-May-18 15-Mar-18 24-Mar-18 15-Jun-18 A27170 = Construct Wash Out Chamber -78 A27170 29-May-18 03-Jul-18 100% 0% A27200 Dismantle 1st Layer Struts & Wailing 07-Apr-18 | 13-Apr-18 18-Jul-18 0% 0% -78 A27200 A27150 Pipe Laying & Associated Works 05-Mar-18 14-Mar-18 03-May-18 29-May-18 100% 0% -59 L50 t A27180 26-Mar-18 04-Apr-18 10-Jul-18 66.67% 0% -78 A27180 = Pressure Test 03-Jul-18 Trench @GL+5.0mPD to +4.0mPD 20% -55 A27110 30-Jan-18 01-Feb-18 19-Mar-18 A 14-Apr-18 100% Trench Excavation@+4.0mPD to +1.06mPD -47 A27140 01-Mar-18 | 03-Mar-18 | 18-Apr-18 03-May-18 100% 0% Construct remaining wall & roof 20-Oct-17 | 31-Oct-17 | 26-Aug-17 A 20-Apr-18 100% 0% -137 ◆ DCS Box complete A27300 DCS Box complete 31-Oct-17 20-Apr-18 100% 0% -137 5 16-Apr-18 21-Apr-18 08-Oct-17 A 13-Oct-17 A 0% 100% 152 A27340 Pipe Connection to DCS eawater Intake Pipe Works Backfill to +2.0mPD 04-Nov-17 | 06-Nov-17 | 18-Jul-17 A | 23-Mar-18 A -111 Complete Pipeworks & Traffic Diversion, A27520 Complete Pipeworks & Traffic Diversion 0 10-Nov-17 23-Mar-18 A 100% 100% -107 A27480 100% -99 Construct Thrust Blocks 25-Oct-17 | 30-Oct-17 | 22-Jun-17 A | 02-Mar-18 A 100% A27460 Lay DN100 Chlorination Pipe 20-Oct-17 | 24-Oct-17 | 22-Jun-17 A | 10-Mar-18 A 100% -110 Lay DN28 Cleansing Pipe 20-Oct-17 | 24-Oct-17 | 22-Jun-17 A | 10-Mar-18 A Pressure Testing and Inspection 4 31-Oct-17 | 03-Nov-17 | 22-Jun-17 A 10-Apr-18 -125 A58620 Builder's work 24-Oct-17 | 02-Nov-17 | 29-Aug-17 A -126 10-Apr-18 100% 20% A58630 Delivery of DI pipe 20-Oct-17 | 21-Oct-17 | 29-Dec-17 A 04-Apr-18 100% 30% -130 Dismantle the existing unused Equipment 23-Oct-17 100% 95% -129 A58610 03-Apr-18 A58690 A58690 Hydraulic Test of DI pipe 11 20-Mar-18 04-Apr-18 81.82% 0% -90 11-Jul-18 24-Jul-18 A58640 111 0% -90 Install DI pump 03-Nov-17 19-Mar-18 10-Apr-18 11-Jul-18 100% A58670 Install electrical & Control 11-Nov-17 19-Jan-18 03-Apr-18 09-Jun-18 100% 0% -112 A58680 Install Pump motor 100% 0% -112 25-Apr-18 31-May-18 A58660 Install sea water pump 20-Oct-17 21-Oct-17 04-Apr-18 100% 40% -130 A59100 Supply Sea water to DCS 0 24-Aug-18 0% 09-May-18 0% -108 **\Q** 58700 27 -90 A58700 T&C of Sea water Pump 06-Apr-18 | 08-May-18 | 24-Jul-18 0% 24-Aug-18 0% A58750 Delivery of Pipes and Fittings 09-Nov-17 | 10-Nov-17 03-Apr-18 04-Apr-18 100% 0% -115 A58770 Delivery of Sump Pump Panels 20-Nov-17 21-Nov-17 03-Apr-18* 04-Apr-18 100% 0% -106 A58730 40% -130 Delivery of Sump Pumps 20-Oct-17 21-Oct-17 04-Apr-18 100% 29-Dec-17 A A58790 18 A58790 Hydraulic Test (Cleansing Pipes 01-Jun-18 07-Jun-18 17-May-18 0% 0% A58760 A58760 Install Pipes and Fittings 09-May-18 | 18-May-18 30-Apr-18 0% 0% 16 A58780 A58780 Install Sump Pump Panels 19-May-18 31-May-18 30-Apr-18 10-May-18 0% 0% 18 A58740 Install Sump Pumps 25 23-Oct-17 | 21-Nov-17 | 04-Apr-18 19-Apr-18 100% 0% -117 A58800 T&C of Sump Pumps 13 08-Jun-18 | 23-Jun-18 | 17-May-18 0% 18 A58800 02-Jun-18 0% A58830 Delivery of Cable Tray 04-Apr-18 100% 0% -75 03-Apr-18* -68 A58870 Delivery of Lighting Fitting and Exit sign 06-Jan-18 08-Jan-18 03-Apr-18* 04-Apr-18 100% 0% A58860 Delivery of MCB Board 06-Jan-18 08-Jan-18 03-Apr-18* 04-Apr-18 100% 0% -68 Delivery of Power Cable -75 2 100% 0% A58820 28-Dec-17 29-Dec-17 03-Apr-18* 04-Apr-18 58810 A58810 Dismantle the existing unused Equipment 25-Jun-18 04-Jul-18 06-Apr-18 14-Apr-18 0% 0% 65 A58840 = Install Cable Tray and Power Cable A58840 13-Jul-18 16-Apr-18 24-Apr-18 65 A58890 A58890 Install Lighting Fitting and Wiring Accessories 07-May-18 0% 65 10 14-Jul-18 25-Jul-18 25-Apr-18 0% 65 A58880 A58880 Install MCB Board 14-Jul-18 25-Jul-18 25-Apr-18 07-May-18 0% 0% A58850 A58850 Install Surface Conduit and wiring Cable 05-Jul-18 13-Jul-18 16-Apr-18 24-Apr-18 0% 0% 65 A58900 A58900 T&C of Electrical Works 26-Jul-18 03-Aug-18 08-May-18 0% 65 16-May-18 0% Deliver and Install heat detection system 30-Jan-18 03-Feb-18 03-Apr-18 -48 A58920 09-Apr-18 100% 0% 04-Aug-18 | 08-Aug-18 | 26-Feb-18 A A58910 Dismantle the existing unused Equipment 16-May-18 0% 69 A58930 A58930 T&C of heat detection system 09-Aug-18 | 13-Aug-18 | 10-Apr-18 13-Apr-18 0% 0% 100 Demolition of CSO Office CSO Office relocation CSO Office relocation A27760 02-Jan-18 09-Mar-18 A 100% Demolish Existing CSO Office 32 | 02-Jan-18 | 08-Feb-18 | 09-Mar-18 A | 11-Apr-18 | 100% -45

Status at 31 Mar 2018

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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Activity ID Activity Name CMWP -Planned Actual % Finish R0.D8 Start -R0.D8 Forecast Finish B/L % Complete Variance Forecast 01 08 15 22 29 06 13 11 18 25 Finish Start Complete (+/-d) Sewerage Interface with PIW & F2 Contractor A27860 Back fill & Reinstate pavement / Reinstate Planter 08-Dec-17 | 16-Dec-17 | 04-Apr-18 16-Apr-18 100% 0% -93 -82 A27870 HCC connect DN375 to F1.2 18-Dec-17 | 18-Dec-17 | 02-Jan-18 A 100% 50% PIW Implement Triv 100% ss to Manhole F1.2 to HCC, 02-Mar-18 A A27790 PIW Implement TTMS & Allow Access to Manhole F1.2 to H 0 20-Oct-17 02-Mar-18 A 100% -107 A27850 05-Dec-17 | 07-Dec-17 | 27-Dec-17 A | 04-Apr-18 100% 50% -92 Sewerage at Portion M01, Gridline A / 3-14 + HCC grant access to Pa HCC grant access to Park Contractor for SM100 construction 0 22-Nov-17 19-Jun-18 100% 0% -166 08-Nov-17 | 10-Nov-17 | 16-Jan-18 A | 23-Mar-18 A -107 A28140 Backfill to ground level 100% 100% Construct Manhole F2.1D 24-Oct-17 | 03-Nov-17 | 12-Jan-18 A | 22-Mar-18 A 100% 100% -112 Lay Sewerage Pipe DN375 between MH F2.1D to F2.1C (Ap 24-Oct-17 | 27-Oct-17 | 12-Jan-18 A | 20-Mar-18 A -115 A28130 Pressure Test 04-Nov-17 | 07-Nov-17 | 15-Jan-18 A | 22-Mar-18 A 100% 100% -109 Backfill to ground level 18-Nov-17 21-Nov-17 13-Jun-18 -166 A28190 16-Jun-18 100% 0% A28160 Construct Manholes F2.1E 08-Nov-17 | 14-Nov-17 | 28-Apr-18 100% 0% -152 Lay Sewerage Pipe between MH F2.1E to F2.1D (DN375mm 08-Nov-17 | 14-Nov-17 | 28-Apr-18 07-Jun-18 100% -164 Manhole & Trench Excavation for Sewerage Pipe between M 3 04-Nov-17 | 07-Nov-17 | 02-Jan-18 A 100% 0% -137 A28150 27-Apr-18 -165 A28180 Pressure Test 15-Nov-17 | 17-Nov-17 | 08-Jun-18 12-Jun-18 100% 0% Sewerage at Portion M05 & M27 MH SM21A to Interface MH SM13 Construction A28510 Backfill to formation level 28-Dec-17 03-Jan-18 07-Apr-18 A28470 Remaining works between SM21A to SM13 16 23-Nov-17 11-Dec-17 26-Feb-18 A 07-Apr-18 100% 20% -90 Storm Drain DN750 along Gridline A/3-11 (MH S2.4 to S2.6) A28560 Backfill to existing ground level 21-Nov-17 | 27-Nov-17 | 21-Nov-17 A | 12-Apr-18 100% 0% -107 A28530 Construct Manhole S2.4 & S2.6 20-Oct-17 | 02-Nov-17 | 20-Oct-17 A | 03-Apr-18 100% -120 Lay DN700 pipe from Manholes S2.4 to S2.6 (Approx. 78m) 02-Nov-17 | 17-Nov-17 | 02-Nov-17 A | 16-Mar-18 A -95 A28540 100% A28550 Pressure Test 17-Nov-17 | 21-Nov-17 | 17-Nov-17 A | 23-Mar-18 A 100% -98 3 100% Storm Drain DN1050 along Gridline A/11-14 (MH S2.6 to S2.6A to S2.7 to S2.8) 19-Dec-17 27-Dec-17 14-Dec-17 A 17-Apr-18 0% A28610 Backfill to existing ground level 100% -87 A28580 Construct Manhole S2.6a, S2.7 & S2.8 24-Nov-17 | 07-Dec-17 | 11-Dec-17 A | 06-Apr-18 100% 80% -93 15-Dec-17 19-Dec-17 13-Dec-17 A 11-Apr-18 -87 A28600 Pressure Test 100% 0% 01-Feb-18 07-Feb-18 21-May-18 26-May-18 -84 A28670 Backfill to existing ground level 100% 0% A28640 Construct Manhole S2.9a & SE2.7 08-Jan-18 20-Jan-18 25-Apr-18 08-May-18 100% 0% -84 A28630 Excavate to formation level & install shoring 100% 0% -84 24-Apr-18 A28620 Excavate Trial Trench for existing underground utilities 15-Dec-17 30-Dec-17 03-Apr-18 16-Apr-18 100% 0% -83 A28650 Lay DN1050 pipe from Manholes S2.8 to S2.9a to SE2.7 (Ag 7 100% 0% -84 20-Jan-18 29-Jan-18 09-May-18 16-May-18 29-Jan-18 01-Feb-18 17-May-18 0% -84 A28660 Pressure Test 3 19-May-18 100% Storm Dra DN600 along Gridline G-M/14 (MH S2.12 to S2.13) Backfill to existing ground level 03-Oct-17 08-Mar-17 A 09-Mar-18 A 100% 100% -127 A28870 A28850 Construct Manhole S2.12 & S2.13 09-Sep-17 | 21-Sep-17 | 22-Jul-17 A | 02-Mar-18 A 100% -129 A28840 Excavate to formation level 02-Sep-17 08-Sep-17 22-Jul-17 A 08-Mar-18 A 100% -146 100% Excavate Trial Trench 100% -89 A28830 30-Oct-17 | 10-Nov-17 | 17-Jul-17 A | 02-Mar-18 A 100% A28860 Lay DN450 pipe from Manholes S2.13 to S2.12 (Approx.50 4 23-Sep-17 | 28-Sep-17 | 08-Apr-17 A | 08-Mar-18 A 100% 100% -129 Storm Drain at Gridline M/13 A28900 Backfill to existing ground level 16-Nov-17 | 17-Nov-17 | 13-Apr-18 13-Apr-18 100% 0% -116 100% 0% -116 A28880 Excavate and lay 225 U-Channel Drain with Gully Trap 07-Nov-17 | 10-Nov-17 | 03-Apr-18* 06-Apr-18 Excavate trench and lay 150DN Pipe from Gully Trap to MH 5 5 A28890 10-Nov-17 16-Nov-17 07-Apr-18 12-Apr-18 100% 0% -116 DN600 along Gridline B-E/14 (MH S2.10 to S2.9c) Storm Dra Backfill to existing ground level 04-Nov-17 | 07-Nov-17 | 20-Mar-18 A | 22-Mar-18 A 100% 100% -110 A29010 A28980 Excavate to Formation Level 24-Oct-17 | 26-Oct-17 | 29-Jan-18 A | 14-Mar-18 A 100% -111 -108 A28970 Excavate Trial Trench 20-Oct-17 | 23-Oct-17 | 26-Jan-18 A | 07-Mar-18 A 100% 100% A28990 Lay DN600 Pipe from MHS2.10 to S2.9c (Approx 30m) 3 27-Oct-17 | 31-Oct-17 | 14-Mar-18 A | 17-Mar-18 A 100% 100% -112 A29000 Pressure Test 01-Nov-17 | 03-Nov-17 | 17-Mar-18 A | 20-Mar-18 A 100% 100% -111 Storm Drain DN750 along Gridline A-B/14 (MH S2.9c to S2.9b to S2.9a A29070 Backfill to existing ground level 21-Dec-17 | 23-Dec-17 | 23-Apr-18 25-Apr-18 100% 0% -95 -95 A29040 Construct Manhole S2.9b & S2.9c 24-Nov-17 09-Dec-17 14-Mar-18 A 100% 50% 11-Apr-18 A29030 Excavate to formation level 17-Nov-17 23-Nov-17 07-Apr-18 100% 0% -111 13-Apr-18 A29020 Excavate Trial Trench 3 14-Nov-17 16-Nov-17 03-Apr-18 06-Apr-18 100% 0% -111

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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Activity ID	Activity Name	CMWF	CMWP -	CMWP	Actual /	Actual /	Planned	Actual %	Finish	П		March			Д	pril				May				June		July
,	,	Dur.	R0.D8 Start	-R0.D8	Forecast	Forecast Finish	B/L %		Variance		0.4	30	1 05	0.1		31			00	32	20 0	1 00	2	33	7 04	34
A 200F0	Law DNIZEO nine from Manhales C2 Octo C2 Ob to C2 Op /An	-	11 Dec 17	Finish	Start	10 10 10	Complete	00/	(+/-d)	5	04	11 18	25	01	08	15	22	29	06	13 2	20 2	7 03	3 '	10 17	7 24	01
A29050	Lay DN750 pipe from Manholes S2.9c to S2.9b to S2.9a (Ap					18-Apr-18	100%	0%	-95	$\parallel \parallel$																
A29060	Pressure Test DN450 suspended along Gridline J'/1'-M/1	3	18-Dec-17	20-Dec-17	19-Apr-18	21-Apr-18	100%	0%	-95							_										
	n at Portion M12									+					\ -		¦									
A29150	Complete suspended Storm Drain at Portion M12 & Remove	0		27-Feb-18		20-Jun-18	100%	0%	-90															•	Complete	e suspend
A29155	Finish clear up @ M12	1	27-Feb-18	28-Feb-18	20-Jun-18	21-Jun-18	100%	0%	-90	,														Г	•	
A29100	Install Brackets for Suspension Pipe	9	25-Jan-18	03-Feb-18	11-Apr-18	20-Apr-18	100%	0%	-58	1													i ! !			
A29090	Install scaffolding @ M12	6	18-Jan-18	24-Jan-18	03-Apr-18*	10-Apr-18	100%	0%	-58						_											
A29130	Install suspended vertical Draingage DN100 - 5 nos	5	09-Feb-18	15-Feb-18	16-May-18	11-Jun-18	100%	0%	-90	1												1 :				
A29120	Install suspended vertical Rain Water Outlet DN150 - 4 nos	2	07-Feb-18	09-Feb-18	24-Apr-18	16-May-18	100%	0%	-74									1 :		_						
A29110	Lay horizontal suspended DN450 pipe (Approx. 120m)	6	05-Feb-18	10-Feb-18	21-Apr-18	05-May-18	100%	0%	-64								: :									
A29140	Pressure Test	3	15-Feb-18	22-Feb-18	11-Jun-18	14-Jun-18	100%	0%	-90	1																
A29145	Removal of scaffolding @M12	4	22-Feb-18	27-Feb-18	14-Jun-18	20-Jun-18	100%	0%	-90	1																
Storm Drain	n DN350 suspended along Gridline M/1-4		ļ							•																
	n at Portion M13																									
A29230	Complete suspended Storm Drain at Portion M13	0		02-Mar-18		20-Jun-18	100%	0%	-87	♦			-				_	1							Complete	e suspend
A29160	External Wall @ Gridline M/1-4 (including Wall finish) - com	0		24-Jan-18		23-Apr-18	100%	0%	-69								Extern	al Wall @	Gridline	M/1-4 (inclu	uding Wall	tinish) - c	complet	.e,		
A29235	Finish clear up @ M13	1	02-Mar-18	03-Mar-18	20-Jun-18	21-Jun-18	100%	0%	-87	5 -				ļļ												
A29180	Install Brackets for Suspension Pipe	9	01-Feb-18	10-Feb-18	30-Apr-18	11-May-18	100%	0%	-69	4																
A29170	Install scaffolding @ M13	6	25-Jan-18	31-Jan-18	23-Apr-18	30-Apr-18	100%	0%	-69	1								-								
A29210	Install suspended vertical Drainage Pipe DN100 - 2 nos	3	15-Feb-18	22-Feb-18	16-May-18	19-May-18	100%	0%	-69														!			
A29200	Install suspended vertical Rain Water Outlet DN150 - 2 nos	1	14-Feb-18	15-Feb-18	15-May-18	16-May-18	100%	0%	-69																	
A29190	Lay suspended horizontal DN350 pipe (Approx. 50m)	6	12-Feb-18	21-Feb-18	11-May-18	18-May-18	100%	0%	-69	11																
A29220	Pressure Test	3	22-Feb-18	26-Feb-18	19-May-18	24-May-18	100%	0%	-69														1			
A29225	Removal of scaffolding @M13	4	26-Feb-18	02-Mar-18	24-May-18	29-May-18	100%	0%	-69	 											:					
	n DN250 suspended along Gridline M/4-12																									
A29330	n at Portion M14 Complete suspended Storm Drain along Portion M14	0		10-Mar-18		20-Jun-18	100%	0%	-80	1													!	4	Complete	e suspende
	External Wall @ M14 Gridline M/4-12 (including Wall finish)	0		24-Jan-18				0%	-69		-						♦ Evtern	اد/۱۸ ادر	M14 Gr	idline M/4-1	2 (includir	ng Wall fin	nich \ - cc		Complete	Juspende
A29250		1	12 Mar 19		20 Jun 19	23-Apr-18	100%	0%	-80	+	A29335	_					LACEIII	iai vvaii @	WIT4 OI	idilile ivi/ 4-1	z (iiiçiddii	ig vvaii iiii	11311) - CC	inpiete,		
A29335	Finish clear up @ M13	1		12-Mar-18		21-Jun-18	100%			-	A29333												i ! !			
A29270	Install Brackets for Suspension Pipe	5	12-Feb-18		11-May-18	17-May-18	100%	0%	-69	-													!			
A29260	Install scaffolding at M14	6	01-Feb-18			08-May-18	100%	0%	-69	<u> </u>																
A29310	Install suspended vertical Drainage Pipe DN100 - 5 nos	5	24-Feb-18	<u> </u>	23-May-18	29-May-18	100%	0%	-69																	
A29290	Install suspended vertical Rain Water Outlet DN150 - 6 nos	3	24-Feb-18		23-May-18	26-May-18	100%	0%	-69	-i																
A29300	Install suspended vertical Rain Water Outlet DN80- 2 nos	1	28-Feb-18		26-May-18	28-May-18	100%	0%	-69																	
A29280	Lay suspended horizontal DN250 pipe (Approx. 105m)	8			18-May-18	29-May-18	100%	0%	-69																	
A29320	Pressure Test	3			29-May-18		100%	0%	-69	₽0 =	i										_	T				
	Removal of scaffolding @M14	4	07-Mar-18	10-Mar-18	01-Jun-18	06-Jun-18	100%	0%	-69	12932	25															
	n DN600 at Portion M45 In along Gridline D'-E'/1'-2' (MH WHC6 1c to S3.4)												-										i ! !			
	Formation and Construct MH S3.4	8	20-Oct-17	30-Oct-17	03-Apr-18*	24-Apr-18	100%	0%	-141								-									
Storm Drai	n along Gridline E'-G' / 1'-2' (MH S3.4 to S3.3 to S3.2)																									
A29490	Backfill trench to Ground Level		04-Nov-17		30-Apr-18		100%	0%	-141	1								Backfill	l trench t	o Ground Le	vel, 30-Ap	or-18				
A29460	Connect DN250 pipe x 2Nos to MH S3.2	1	31-Oct-17	31-Oct-17	24-Apr-18	24-Apr-18	100%	0%	-140								•									
A29450	Connect DN250 pipe x 3Nos to MH S3.3	1	31-Oct-17	31-Oct-17	24-Apr-18	24-Apr-18	100%	0%	-140								_									
A29440	Formation & Construct MH S3.3 & S3.2	9	20-Oct-17	31-Oct-17	14-Apr-18	24-Apr-18	100%	0%	-140						•								!			
A29470	Formation & Lay DN600 pipe from S3.4 to S3.3 to S3.2 (App	3	20-Oct-17	23-Oct-17	14-Apr-18	20-Apr-18	100%	0%	-143														:			
A29480	Pressure Test	3	01-Nov-17	03-Nov-17	25-Apr-18	28-Apr-18	100%	0%	-141																	
	n DN450 at Portion M01	-																								
A29560	n along Gridline G'-J' /1'-2 (MH S3.2 to S3.1 to S3.1b to S3.1a Backfill trench to Ground Level		24-Nov-17	25-Nov-17	30-Δnr-19	02-May-18	100%	0%	-124									—								
A29510	Connect DN200 pipe to MH S3.1	1	20-Nov-17			24-Apr-18	100%	0%	-124	1							0						į			
A29510 A29520	Connect DN200 pipe to MH S3.1b	1				i	100%	0%	-123	- -							0						i ! !			
		1	20-Nov-17			24-Apr-18											0			 						
A29530	Connect DN300 & DN400 pipe to MH S3.1a	1 1 1		20-Nov-17	· ·	24-Apr-18	100%	0%	-123	\parallel																
A29500	Formation & Construct MH S3.1, S3.1b & S3.1a		04-Nov-17			24-Apr-18	100%	0%	-123	-																
A29540	Formation & Lay DN450 pipe from MH3.2 to S3.1a (Approx	4			03-Apr-18	09-Apr-18	100%	0%	-120	\parallel					_								1			
A29550 Storm Drain	Pressure Test	3	21-Nov-17	23-Nov-17	25-Apr-18	28-Apr-18	100%	0%	-124	1																
	n DN300 at Portion M44 (MH6_2a.1 to DM65)																									
A37290	Completed Storm Drain + Report	13	24-Nov-17	08-Dec-17	15-Jan-18 A	09-Apr-18	100%	61.54%	-94		:		1		<u> </u>								į			
A37280	Connect to Existing Storm Manholes & Backfill	12	16-Nov-17	29-Nov-17	10-Jan-18 A	04-Apr-18	100%		-99	+	-	+	-										1 1 1			
		_		1			-							- 1												

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

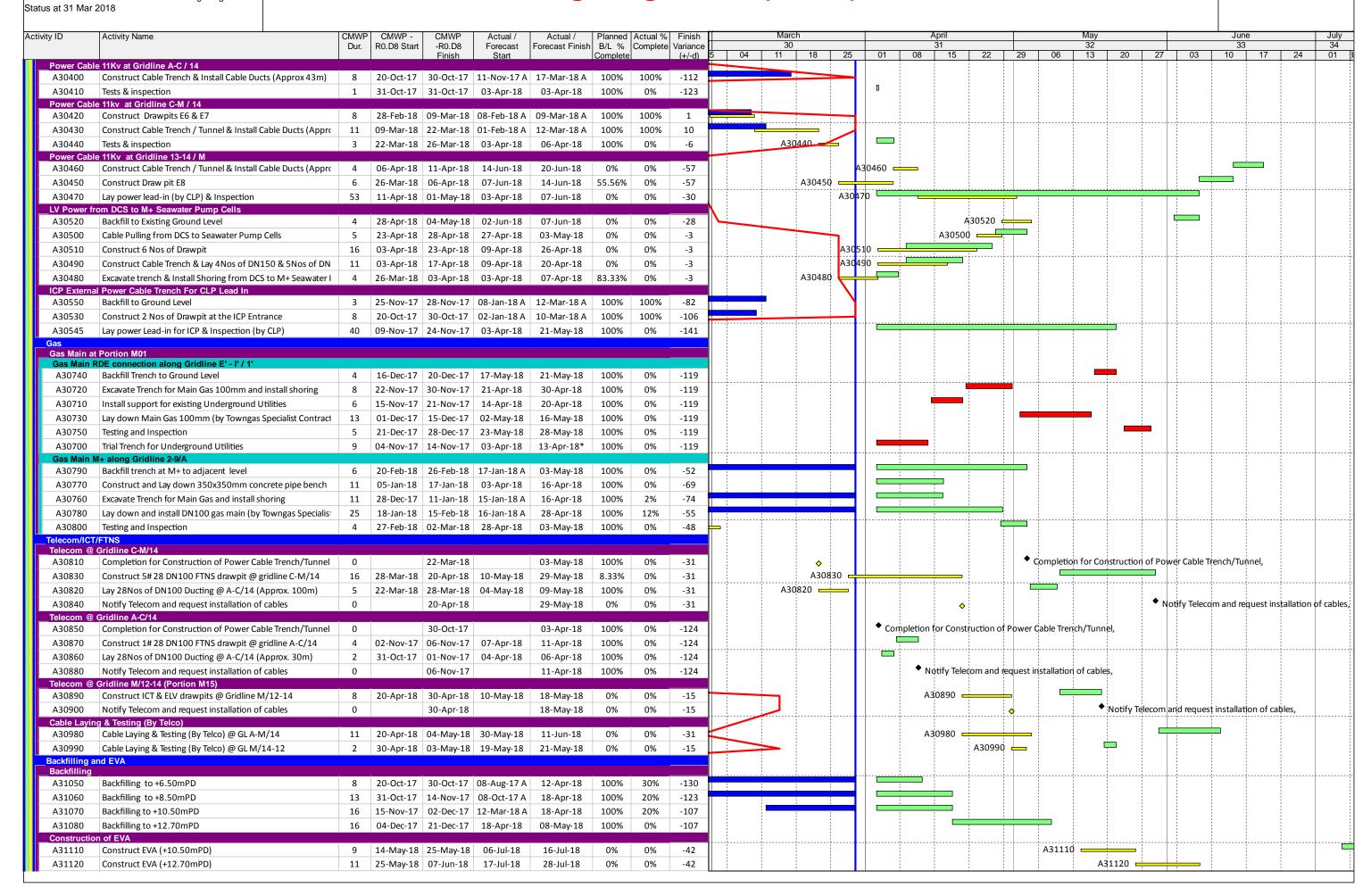
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Activity ID	Activity Name	CMWP	P CMWP -	CMWP	Actual /	Actual /	Planned	Actual %	Finish	II	March		April				May		Ī		June		July
,	,	Dur.	R0.D8 Start	-R0.D8	Forecast	Forecast Finish	B/L %	Complete	Variance		30	01	31	1 22	20	06	32	20 0	27	03	33	24	34
A37310	DSD Inspection	1	09-Dec-17	Finish 11-Dec-17	Start 11-Apr-18	11-Apr-18	Complete 100%	0%	(+/-d) -95	5 04	11 18 25	01	08 15	22	29	06	13	20 2	27	03	10 17	24	01 3
A37300	Inform DSD for Inspection of Storm Drain	2			03-Apr-18	10-Apr-18	100%	0%	-95				_							1			
A37260	Sewerage - Install 450 / 300 Storm Drainage Pipes & Testing	_			09-Jan-18 A	· ·	100%	80%	-98	1 1 1		1			1								1
Adjacent S	SPS to Center of At Grade Road																						
A29790	Backfill, Extract Sheet Piles and Reinstate Pavement	1	20-Oct-17	20-Oct-17	03-Mar-17 A	03-Apr-18	100%	81.25%	-131			U											
	At Grade Road to MH_2a.1	6	15 Nov 17	21 Nov 17	08-Jan-18 A	10 Apr 19	100%	00/	110											!			
A38080 A38040	Backfill, Extract Sheet Piles and Reinstate Pavement Drive In Sheet Piles	2		-	23-Dec-17 A	10-Apr-18 04-Apr-18	100%	0% 0%	-110 -124														
A38050	Excavate to invert level and install struts	6			02-Jan-18 A	06-Apr-18	100%	50%	-119		1												
A38030	Excavate trial trench for existing underground utilities	6			20-Dec-17 A	03-Apr-18	100%	83.33%	-125			0											
A38060	Laydown DN300 between MH6_2a.1 to Center of at Grade	3			03-Jan-18 A	07-Apr-18	100%	0%	-117		i i												
A38070	Pressure Test	_			05-Jan-18 A	09-Apr-18	100%	0%	-115				•										
	External Storm Drainage Connection												i		1								
A37460	DSD Inspection & Acceptance Test	11	17-Nov-17	30-Nov-17	16-Apr-18	27-Apr-18	100%	0%	-118														
A37450	Inform DSD for Inspection	2	15-Nov-17	17-Nov-17	06-Jul-17 A	14-Apr-18	100%	0%	-118														
WSD Water Main	Works at Portion M01 (Refer to M+ MEP Programme)																						
A29880	Backfill & Reinstate to Ground Level	3	15-Nov-17	17-Nov-17	28-Apr-18	02-May-18	100%	0%	-131					=									
A29840	Excavate Trench in footway to expose PIW watermains & Cu	2	27-Oct-17	30-Oct-17	11-Apr-18	12-Apr-18	100%	0%	-131														
A29890	Handover to PIW for footway pavement construction (IS Ap	0		17-Nov-17		02-May-18	100%	0%	-131						◆ Hai	ndover to	PIW for	footway	vement	construct	on (IS Appdx	D1, #36-1	.5 Aug 17),
A29830	Install a new hoarding with 500mm clearance from roadside	3	24-Oct-17	26-Oct-17	07-Apr-18	10-Apr-18	100%	0%	-131			<u></u>	_										
A29850	Lay 2Nos of DN150 DI Fresh Water Pipe & 1 No of DN100 D	5	31-Oct-17	04-Nov-17	13-Apr-18	18-Apr-18	100%	0%	-131						1								1
A29860	Pressure test (By PIW Contractor)	6	06-Nov-17	11-Nov-17	19-Apr-18	25-Apr-18	100%	0%	-131				_							!			
A29820	Remove existing hoarding fixed to Sheet pile	3	20-Oct-17	23-Oct-17	03-Apr-18	06-Apr-18	100%	0%	-131					_									
A29870	Remove the Blank Flanges & Make Final Connection	2	13-Nov-17	14-Nov-17	26-Apr-18	27-Apr-18	100%	0%	-131					_									
Water Main A30020	Works at Portion M17	2	16 Mar 19	17 Mar 19	09-May-18	10-May-18	100%	0%	-41	V3D0	20 🖃												
A30020 A30030	Backfill to adjacent ground level Connection of Watermain (IS Appendix D1, #37, 31 October	0	10-ividi-10	17-Mar-18	09-IVIAY-10	10-May-18	100%	0%	-41	A300	20 🗀					♦ (c	onnectio	n of Waterma	ain (1\$ /	Annendix [tober 20	17)
A29960	Construct End Block and Washout Tee with washout pump	9	02-Feh-18		01-Feb-18 A	13-Apr-18	100%	0%	-45		Q						Jimeeno	ii oi wateiiii	(137	Препак	1, #37, 31 0		1"
A29920	Construct M+ Street Fire Hydrant & FS Pipe at gridline E-F/1	11			29-Jan-18 A	11-Apr-18	100%	36.36%	-80				_										
A29940	Excavate Trench for DN150 pipe along gridline A-F/14	14			27-Jan-18 A	10-Apr-18	100%	57.14%	-64		: :		_							į			
A30010	Lab Test	6			02-May-18	08-May-18	100%	0%	-41	A30010	_												
A29950	Lay down and install DN 150 pipe and connect isolation valv	13	18-Jan-18		31-Jan-18 A	11-Apr-18	100%	46.15%	-52		: :												-
A29970	Lay down and install remaining DN150 pipe	6	13-Feb-18	22-Feb-18	01-Feb-18 A	16-Apr-18	100%	0%	-41														
A29980	Pressure Test	3	23-Feb-18	26-Feb-18	17-Apr-18	19-Apr-18	100%	0%	-41														
A30000	Sterilization	6	02-Mar-18	08-Mar-18	24-Apr-18	30-Apr-18	100%	0%	-41	þ <u>—</u>										-			
A29990	Swabbing Test	3	27-Feb-18	01-Mar-18	20-Apr-18	23-Apr-18	100%	0%	-41	H													
	nal - Grd LvI - Watermain (Outside SPS) to PIW	1 44	20.0 . 47	00.11 47	44.01 47.4	10.1.10	1000/	45 450/	426														
A30110	Lab Test	_				10-Apr-18														į			"
A30120	Watermain Final Connection al - Grd LvI - External Watermain Connection to PIW		U3-NOV-1/	U4-NOV-1/	11-Abt-18	13-Apr-18	100%	0%	-127											!			
A30220	Backfill to Ground Level	6	11-Nov-17	17-Nov-17	25-Apr-18	02-May-18	100%	0%	-131						—					!			
A30190	Lab Test	11	25-Oct-17	07-Nov-17	09-Apr-18	20-Apr-18	100%	0%	-131											!]		
A30170	Pressure Test	3	20-Oct-17	23-Oct-17	03-Apr-18*	06-Apr-18	100%	0%	-131											į			"
A30180	Swabbing Test	1	24-Oct-17	24-Oct-17	07-Apr-18	07-Apr-18	100%	0%	-131			0											
A30200	Watermain Final Connection	3	08-Nov-17	10-Nov-17	21-Apr-18	24-Apr-18	100%	0%	-131											1			
Power Cab	le 11kV at Footpath adjacent to Entrance Portal (Interface with	PIW)																					+
A30280	Backfilling footway to adjacent ground level		08-Dec-17	11-Dec-17	24-May-18	26-May-18	100%	0%	-131														
A30260	Excavate trench in footway for the 11kV direct buried cables				03-Apr-18*		100%	0%	-131	1		:	1							!			
A30270	Lay Lead-in Cable (by CLP) & Inspection	27	07-Nov-17	07-Dec-17	20-Apr-18	23-May-18	100%	0%	-131						1	:	!			į			
	le 11Kv at Gridline A / 1- 3			1						 			<u> </u>	<u>.il.</u>	1								4
A30310	Lay Lead-in Cable (by CLP) & connect to district-wide system	27	25-Oct-17	04-Nov-17	03-Apr-18	05-May-18	100%	0%	-145											!			
	le 11Kv at Gridline A / 3-14 on at Drawpit E2 to E3 to E4																			į			
	Construct Cable Tunnel from Drawpits E2 to E4 & Install Cab	8	08-Jan-18	17-Jan-18	18-Dec-17 A	22-Mar-18 A	100%	100%	-51											!			
	Construct Drawpit E3 & E4	8	28-Dec-17	08-Jan-18	16-Dec-17 A	13-Mar-18 A	100%	100%	-51											<u>.</u>			
	on at Drawpit E4 to E5		22		46.00	49.44	455::	400::												1			
	Construct Cable Trench & Install Cable Ducts (Approx 6m)					17-Mar-18 A			-42	_										:			"
	Construct Drawpit E5 & Testing	4	1/-Jan-18	22-Jan-18	12-Mar-18 A	15-Mar-18 A	100%	100%	-42											:			
	Test & Inspection	27	24-Jan-18	28-Feb-18	04-Apr-18	07-May-18	100%	0%	-53				:							!			!
7.50550	: 222 24 mopeonon		7411 10	_5 1 05 10	5 . / lpi 10	5. ITIGY 10		0,0		<u>u : : : : : : : : : : : : : : : : : : :</u>	i l			<u>i l</u>	1 :			- 1		1	i	i	لنصل

File Name: 3MRP-30 Three Months Rolling Programme

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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Data Date: 30-Mar-18 Layout Name: 01) CMWP - 3MRP (M30) File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

Activity ID Activity Name CMWP -Actual / Planned Actual % Finish Dur. R0.D8 Start -R0 D8 Forecast B/L % Complete Variance Forecast Finish 22 29 06 13 17 24 01 Finish Start Complete (+/-d)A31100 = Construct EVA (+8.50mPD) 04-May-18 | 14-May-18 | 26-Jun-18 05-Jul-18 -42 A31090 Construct EVA South of ICP (+5.00mPD) 0% 0% -45 A31090 8 24-May-18 02-Jun-18 19-Jul-18 28-Jul-18 Fuel Tank Backfill A31290 29-Dec-17 11-Jan-18 12-Jun-18 25-lun-18 100% 0% -131 A31260 Construct Bottom Level of Fuel Oil Storage Tank 03-Nov-17 | 15-Nov-17 28-Apr-18 100% 0% -131 A31280 Construct Top Level of Fuel Oil Storage Tank 12-Dec-17 28-Dec-17 11-Jun-18 100% -131 A31250 Excavate to Base Slab & Wall of Fuel Tank 100% 0% -131 20-Oct-17 02-Nov-17 03-Apr-18 16-Apr-18 A31270 Mechanical Fitting 100% 0% -131 16-Nov-17 04-Dec-17 30-Apr-18 18-May-18 A38020 T&C of Fuel Oil Storage Tank 05-Dec-17 11-Dec-17 19-May-18 26-May-18 100% 0% -131 M+ ABWF & MEP **RC Structure Completon & De-proping Date** M+ Basement & Podium B2/F AS-B2-10 Scheduled De-proping - Zone A4-A5 - B2F 25-Oct-17 07-Nov-17 07-Apr-18 21-Apr-18 100% -132 AS-B2-10 Scheduled De-proping - Zone B - B2F 09-Feb-18 24-Feb-18 30-Jun-18 100% -101 AS-B2-10: Scheduled De-proping - Zone C - B2F 11 100% 0% -118 11-Nov-17 24-Nov-17 23-Apr-18 10-Apr-18 AS-B2-10: Scheduled De-proping - Zone D1 - B2F -66 22-Jan-18 02-Feb-18 17-Apr-18 28-Apr-18 100% 0% AS-B2-10 Scheduled De-proping - Zone H - B2F 04-Nov-17 | 16-Nov-17 100% 0% -124 23-Apr-18 AS-B2-10: Scheduled De-proping - Zone Q - B2F 22-Jan-18 02-Feb-18 23-Apr-18 05-May-18 100% 0% -71 AS-B2-10: Scheduled De-proping - Zone T - CSF - B2F 20-Oct-17 | 27-Oct-17 | 20-Jun-17 A 100% 33.33% -131 12-Apr-18 AS-B2-10: Scheduled De-proping - Zone U - RDE - B2F 11 0% -133 20-Oct-17 02-Nov-17 03-Apr-18 18-Apr-18 100% B1/F ♦ (no B1) RC Completion - Zone B - B1F @ GL 6-7/E-J, AS-B1-10: (no B1) RC Completion - Zone B - B1F @ GL 6-7/E-J 0 03-Jan-18 09-May-18 100% 0% -101 RC Completion - Zone A4-A5 - B1F (GL 2-7/D-H), AS-B1-101 RC Completion - Zone A4-A5 - B1F (GL 2-7/D-H) 25-Oct-17 07-Apr-18 100% 0% -131 AS-B1-10: RC Completion - Zone D1 - B1F @ GL 7'-4/K-M 0 22-Jan-18 16-Apr-18 100% 0% -66 ◆ RC Completion - Zone D1 - B1F @ GL7'-4/K-M, 0 -93 AS-B1-10 RC Completion - Zone D2 - B1F @ GL 5-7/H-K 30-Apr-18 21-Aug-18 0% 0% AS-B1-10 RC Completion - Zone G - B1F @ GL 11/C-F 0 12-Apr-18 23-Nov-17 A 100% 111 ♦ RC Completion - Zone G - B1F @ GL 11/C-F, 0% AS-B1-10 RC Completion - Zone G - B1F @ GL 12/G-H ♦ RC Completion - Zone G - B1F @ GL 12/G-H, 12-Apr-18 23-Nov-17 A 0% 100% 111 RC Completion - Zone H - B1F @ GL 11-14/K-M, AS-B1-10 RC Completion - Zone H - B1F @ GL 11-14/K-M 0 04-Nov-17 10-Apr-18 100% 0% -124 ◆ RC Completion - Zone J - B1F @ GL 12-14/G-H. 25-May-18 AS-B1-101 RC Completion - Zone J - B1F @ GL 12-14/G-H 23-May-18 0% 0% -1 RC Completion - Zone K & L - B1F @ GL 8-10/H-K, GL 12/G-H. AS-B1-101 RC Completion - Zone K & L - B1F @ GL 8-10/H-K, GL 12/G-F 28-Apr-18 05-May-18 0% 0% -5 AS-B1-101 RC Completion - Zone P - B1F @ GL 8-11/E-G (A12410) 25-Apr-18 30-Aug-18 0% -105 AS-B1-10: RC Completion - Zone Q - B1F @ GL 6-7/E-F 0 22-Jan-18 21-Apr-18 100% 0% -71 RC Completion - Zone Q - B1F @ GL 6-7/E-F, 03-Jan-18 | 15-Jan-18 | 10-May-18 AS-B1-10! (no B1)Scheduled De-proping - Zone B - B1F (GL 5-7/E-J) 23-May-18 100% 0% -101 AS-B1-10: Scheduled De-proping - Zone A4-A5 - B1F 25-Nov-17 08-Dec-17 12-May-18 100% 0% -123 AS-B1-10 Scheduled De-proping - Zone D1 - B1F GL (7'-4/K-M) 01-Aug-18 -118 AS-B1-10: | Scheduled De-proping - Zone D2 - B1F (GL 5-7/H-K) -86 11 09-May-18 21-May-18 21-Aug-18 01-Sep-18 0% 0% AS-B1-10: Scheduled De-proping - Zone E - B1F (GL 8-11/A-C) 100% 0% -116 28-Nov-17 | 11-Dec-17 24-Apr-18 08-May-18 AS-B1-10: Scheduled De-proping - Zone E1 - B1F (GL 8-11/C-D) 29-May-18 09-Jun-18 100% 0% -56 -37 AS-B1-10! Scheduled De-proping - Zone F - B1F 13-Jun-18 17-Jul-18 28-Jul-18 0% 0% AS-B1-10 Scheduled De-proping - Zone G - B1F (GL 11-14/A-H) 11 28-May-18 08-Jun-18 13-Aug-18 24-Aug-18 0% 0% -64 AS-B1-10 Scheduled De-proping - Zone H - B1F (GL 11-14/K-M) 100% 0% -98 05-Dec-17 16-Dec-17 10-Apr-18 23-Apr-18 AS-B1-10150 -AS-B1-10 | Scheduled De-proping - Zone J - B1F (GL 12-14/G-H) 28-Jun-18 12-Jul-18 27-Jun-18 10-Jul-18 0% 0% 2 AS-B1-10 | Scheduled De-proping - Zone P - B1F (GL 8-11/E-G) -87 27-Sep-18 0% AS-B1-10! Scheduled De-proping - Zone Q - B1F (GL 5-7/D-F) 09-Feb-18 100% 0% -71 25-May-18 AS-B1-10: Scheduled De-proping - Zone R - B1F (GL 6'-7'/A-J') 20-Oct-17 24-Oct-17 100% 58.33% -131 16-Jun-17 A 09-Apr-18 AS-B1-10: Scheduled De-proping - Zone S - B1F 18-Nov-17 01-Dec-17 03-Apr-18 17-Apr-18 100% 0% -107 AS-B1-10 | Scheduled De-proping - Zone T - CSF - B1F (GL 1'-6'/A'-F') 20-Oct-17 02-Nov-17 100% 0% -126 03-Apr-18 10-Apr-18 AS-B1-10 Scheduled De-proping - Zone U - RDE - B1F (GL 1'-6'/F'-J') 11 01-Nov-17 14-Nov-17 03-Apr-18 16-Apr-18 100% -121 AS-LG-10(Scheduled De-proping - RDE - LGF (GL 1'-6'/F'-J') 11 02-Jan-18 15-Jan-18 03-Apr-18 16-Apr-18 100% 0% -71 AS-LG-10(| Scheduled De-proping -CSF - LGF (GL 1'-6'/D'-J') 11 02-Nov-17 15-Nov-17 03-Apr-18 16-Apr-18 100% -120 AS-GF-10 RC Completion - Zone A5 GF (3F GL 4-6/E-H) 30-Oct-17 16-Apr-18 -134 RC Completion - Zone A5 GF (3F GL 4-6/E-H), AS-GF-10 RC Completion - Zone C GF (GL 1-5/H-K) 0 26-Feb-18 0% -67 RC Completion - Zone C GF (GL 1-5/H-K), 19-Mav-18 100% AS-GF-10 RC Completion - Zone D2 GF (GL 5-7/H-M) 09-May-18 0% 0% -47 06-Jul-18

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme

AS-2F-107 Scheduled De-proping - Zone P 2F (GL 8-11/D-H) (+ De-proping - Zone P 2F (GL

11

17-Mar-18 29-Mar-18 24-May-18

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

Status at 31 Mar 2018 Activity ID Activity Name CMWP -Actual / Planned Actual % Finish Dur. R0.D8 Start -R0 D8 Forecast B/L % Variance Forecast Finish 22 29 06 13 20 27 03 10 17 24 01 Finish Complet (+/-d)AS-GF-10 RC Completion - Zone E1 GF (GL 8-11/C-D) 16-Mar-18 28-May-18 AS-GF-10 RC Completion - Zone F - GF 0 01-Jun-18 17-Jul-18 0% 0% -37 13-Aug-18 28-May-18 -64 AS-GE-10 RC Completion - Zone G - GE (GL 11-14/A-H) 0 0% 0% ♦ RC Comple AS-GF-10 RC Completion - Zone J GF (3F GL 11-14/H-F) 0 28-Jun-18 27-Jun-18 0% 0% 2 AS-GF-10 RC Completion - Zone P GF (GL 8-11/D-H) 0 01-Jun-18 17-Jul-18 0% 0% -37 AS-GF-10 RC Completion - Zone Q - GF 0 09-Feb-18 11-May-18 100% 0% -71 RC Completion - Zone Q - GF, AS-GF-10, RC Completion - Zone S and R (EVA Area) 0 29-Mar-18 100% 0% -26 ◆ RC Completion - Zone S and R (EVA Area) 03-May-18 AS-GF-10 Scheduled De-proping - Zone A1 GF (3F GL 2-4/A-E) 11 24-Nov-17 06-Dec-17 03-Apr-18 17-Apr-18 100% 0% -103 AS-GF-10 Scheduled De-proping - Zone A2 GF (3F GL 4-6/A-E) 24-Nov-17 06-Dec-17 17-Apr-18 100% 0% -103 AS-GF-10 Scheduled De-proping - Zone A3 GF (3F GL 6-7/A-E) 24-Nov-17 06-Dec-17 100% 0% -103 03-Apr-18 17-Apr-18 AS-GF-10: Scheduled De-proping - Zone A4 GF (3F GL 2-4/E-H) -89 100% 0% 11-Dec-17 23-Dec-17 03-Apr-18 17-Apr-18 AS-GF-10: Scheduled De-proping - Zone A5 GF (3F GL 4-6/E-H) -89 11-Dec-17 23-Dec-17 03-Apr-18 17-Apr-18 100% 0% AS-GF-10: Scheduled De-proping - Zone B GF (3F GL 5-7/E-J) 96.88% 0% -84 AS-GF-10280 17-Mar-18 03-Apr-18 30-Jun-18 16-Jul-18 AS-GF-10: Scheduled De-proping - Zone D1 GF (3F GL 1-5/K-M) 09-Dec-17 22-Dec-17 03-Apr-18 17-Apr-18 100% -90 AS-GF-10: Scheduled De-proping - Zone D2 GF (3F GL 5-7/H-M) 11 100% 0% -55 22-Ian-18 03-Feb-18 03-Apr-18 17-Apr-18 AS-GF-10: Scheduled De-proping - Zone E GF (GL 8-12/A-C) -122 02-Nov-17 | 15-Nov-17 03-Apr-18 17-Apr-18 100% 0% AS-GF-10: Scheduled De-proping - Zone E1 GF (GL 8-11/C-D) 100% 0% -16 10-Mar-18 23-Mar-18 16-Apr-18 18-Apr-18 A\$-GF-10320 AS-GF-10: Scheduled De-proping - Zone G GF (3F GL 11-14/A-F) 31-May-18 12-Jun-18 30-Apr-18 0% 0% 35 AS+GF-10330 -AS-GF-10: Scheduled De-proping - Zone J GF (3F GL 11-14/H-F) 11 05-Jun-18 0% 0% -1 19-Jun-18 06-Jun-18 20-Jun-18 AS-GF-10. Scheduled De-proping - Zone M West Core Wall GF (3F GL 7--132 20-Oct-17 02-Nov-17 03-Apr-18 17-Apr-18 100% 0% AS-GF-10: Scheduled De-proping - Zone N East Core Wall GF (3F GL 7-8 20-Oct-17 02-Nov-17 03-Apr-18 17-Apr-18 100% 0% -132 AS-GF-10: Scheduled De-proping - Zone P GF (3F GL 8-11/D-H-J) 11 20-Mar-18 04-Apr-18 07-Jun-18 22-Jun-18 0% -64 28-May-18 AS-1F-10(RC Completion - Zone E1 1/F (GL 10-11/C-D) 0 16-Mar-18 100% 0% -56 ◆ RC Completion - Zone £1 1/F (GL 10-11/¢-D), AS-1F-10(RC Completion - Zone G 1/F (GL 11-14/A-H) 0 -64 28-May-18 13-Aug-18 0% 0% RC Completion AS-1F-10(RC Completion - Zone J 1/F (GL 12-14/G-H) 0 25-Jun-18 23-Jun-18 0% 2 0% AS-1M-1(RC Completion - Zone A4-A5 1MF (2F GL3-6/D-H) 0 11-Nov-17 -123 RC Completion - Zone A4-A5 1MF (2F GL3-6/D-H), 16-Apr-18 100% 0% AS-1M-1(RC Completion - Zone B 1MF (GL 5-7/E-J) -101 RC Completion - Zone B 1 0 09-Feb-18 100% 0% 16-Jun-18 ◆ RC Completion - Zone D1 1MF (2F GL 1-5/K-M). AS-1M-10 RC Completion - Zone D1 1MF (2F GL 1-5/K-M) 0 19-Dec-17 03-Apr-18 100% 0% -81 AS-1M-1(RC Completion - Zone D2 1MF (1MF Slab) 29-Jan-18 -55 RC Completion - Zone D2 1MF (1MF Slab) 10-Apr-18 100% ◆ RC Completion - Zone E & E1 1MF (GL 8-11/C-E), AS-1M-10 RC Completion - Zone E & E1 1MF (GL 8-11/C-E) 15-Nov-17 11-Apr-18 100% 0% -117 ◆ RC Completion - Zone E 1MF (GL 8-11/A-C), AS-1M-1(RC Completion - Zone E 1MF (GL 8-11/A-C) 0 15-Nov-17 11-Apr-18 100% 0% -117 RC Completion - Zone F 1MF (1MF Infill Slab), AS-1M-1(RC Completion - Zone F 1MF (1MF Infill Slab) 0 09-Feb-18 08-May-18 100% 0% -68 AS-1M-1(RC Completion - Zone G 1MF (GL11-12/A-G & 12-14/A-G) 0 31-May-18 15-Aug-18 0% 0% -64 ◆ RC Completion - Zone H 1MF (2F GL11-14/H-L), AS-1M-1(RC Completion - Zone H 1MF (2F GL11-14/H-L) 18-Dec-17 09-May-18 100% 0% -111 ◆ RC Completion - Zone J 1MF (GL 11-14/F-H), AS-1M-10 RC Completion - Zone J 1MF (GL 11-14/F-H) 0 100% 0% -66 12-Feb-18 10-May-18 RC Completion - Zone K&L 1MF (GL 8-11/H-M). Λ 04-Apr-18 35 AS-1M-1(RC Completion - Zone K&L 1MF (GL 8-11/H-M) 17-May-18 0% 0% ◆ RC Completion - Zone P 1MF (GL 8-11/D-J). AS-1M-1(RC Completion - Zone P 1MF (GL 8-11/D-J) 09-Feb-18 08-May-18 100% 0% -68 RC Completion - Zone AS-1M-10 RC Completion - Zone Q 1MF (GL5-7/D-F) 0 03-Mar-18 20-Jun-18 100% 0% -87 AS-2F-10: RC Completion - Zone B 2F (GL 6-7/E-H) 05-Mar-18 RC Completion - Zone B 21 Ω 16-Jun-18 100% 0% -83 ♦ RC Completion - Zone G 2F (GL 11-14/A-H), AS-2F-10(RC Completion - Zone G 2F (GL 11-14/A-H) 0 17-May-18 04-Apr-18 0% 0% 35 ♦ RC Completion - Zone J 2F (GL 12-14/G-H), AS-2F-10: RC Completion - Zone J 2F (GL 12-14/G-H) 0 23-May-18 25-May-18 0% 0% -1 RC Completion - Zone P 2F (GL 8-11/D-H), AS-2F-10: RC Completion - Zone P 2F (GL 8-11/D-H) 07-Mar-18 26-May-18 100% 0% -63 \Diamond AS-2F-107 Scheduled De-proping - Zone D2 2F (GL 4-7/H-M) 08-May-18 11 08-Mar-18 21-Mar-18 24-Apr-18 100% 0% -36 AS-2F-10: Scheduled De-proping - Zone A 2F (GL 2-7/A-H) 08-Jan-18 20-Jan-18 04-May-18 100% 0% -81 AS-2F-10: Scheduled De-proping - Zone C 2F (GL 1-5/H-K) 100% -87 26-Jan-18 17-May-18 0% AS-2F-10: Scheduled De-proping - Zone D1 2F (GL 1-4/K-M) 11 14-Feb-18 02-Mar-18 28-Apr-18 12-May-18 100% 0% -56 AS-2F-10: Scheduled De-proping - Zone E1 & E2 2F (GL 8-11/C-E) 0% 11 28-Nov-17 11-Dec-17 24-Apr-18 07-May-18 100% -115 AS-2F-10: Scheduled De-proping - Zone G 2F (GL 11-14/A-H) 04-May-18 17-May-18 20-Apr-18 04-May-18 0% 0% 11 AS-2F-10: Scheduled De-proping - Zone H 2F (GL 11-14/G-M) 17-Jul-18 100% 0% -110 AS-2F-10: Scheduled De-proping - Zone K & L 2F (GL 8-11/H-M) 14-Jun-18 30-Apr-18 36

100%

06-Jun-18

0%

-52

AS-2F-10250

Data Date: 30-Mar-18 Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

Activity ID Activity Name CMWP -Planned Actual % Finish Dur. R0.D8 Star -R0.D8 Forecast Forecast Finish B/L % Variance 11 18 25 29 06 13 17 24 01 AS-3F-10(RC Completion - Zone A 3F 22-Dec-17 RC Completion - Zone A 3F 0 07-Apr-18 100% 0% -82 ◆ RC 0 20-Mar-18 100% 0% -83 AS-3F-10(RC Completion - Zone B 3F 03-Jul-18 ◆ RC Completion - Zone C 3F. AS-3F-10(RC Completion - Zone C 3F Λ 30-Dec-17 20-Apr-18 100% 0% -88 ◆ RC Completion - Zone D1 3F, AS-3F-10: RC Completion - Zone D1 3F 0 01-Feb-18 16-Apr-18 100% 0% -57 ◆ RC Completion - Zone D2 3F, AS-3F-10(RC Completion - Zone D2 3F 23-Feb-18 12-Apr-18 100% 0% -37 ◆ RC Completion - Zone E & E1 3F AS-3F-10: RC Completion - Zone E & E1 3F 0 15-Nov-17 11-Apr-18 100% 0% -117 RC Completion - Zone F 1MF Infill Slab, AS-3F-10' RC Completion - Zone F 1MF Infill Slab 0 03-Mar-18 11-Mav-18 100% 0% -54 ♦ RC Completion - Zone G 3F & 1F Escalator Structure. AS-3F-10(RC Completion - Zone G 3F & 1F Escalator Structure 0 19-Apr-18 07-Apr-18 0% 0% 10 RC Completion - Zor AS-3F-10: RC Completion - Zone H 3F 0 31-Jan-18 21-Jun-18 100% 0% -111 RC Completion - Zor AS-3F-10(RC Completion - Zone H 3F (Remaining section) 0 31-Jan-18 21-Jun-18 100% 0% -111 0 RC Completion - Zone J 3F, AS-3F-10(RC Completion - Zone J 3F 0% 0% 2 11-Jun-18 09-Jun-18 ♠ RC Completion - Zone K & L 3/F, 0 35 AS-3F-10(RC Completion - Zone K & L 3/8 17-May-18 04-Apr-18 0% 0% AS-3F-10(RC Completion - Zone K Auditorium Beam & Slab 0 15-Jun-18 28-Jul-18 0% 0% -35 ◆ RC Completion - Zone P 3F, AS-3F-102 RC Completion - Zone P 3F 03-Mar-18 11-May-18 100% 0% -54 AS-3F-10: RC Completion - Zone Q 3F 0 28-Mar-18 13-Jul-18 100% 0% -85 AS-3F-10: Scheduled De-proping - Zone A1 3F 11 08-Jan-18 20-Jan-18 20-Apr-18 04-May-18 100% 0% -81 AS-3F-10: Scheduled De-proping - Zone A2 3F 11 04-May-18 100% 0% -81 20-Jan-18 AS-3F-10¹ Scheduled De-proping - Zone A3 3F 11 08-Jan-18 20-Jan-18 20-Apr-18 04-May-18 100% 0% -81 AS-3F-10: Scheduled De-proping - Zone A4 3F 11 17-May-18 0% -87 13-Jan-18 04-May-18 100% 26-Jan-18 AS-3F-104 Scheduled De-proping - Zone A5 3F 11 -81 08-Jan-18 20-Jan-18 20-Apr-18 04-May-18 100% 0% AS-3F-107 Scheduled De-proping - Zone C 3F 11 17-May-18 100% 0% -87 04-May-18 AS-3F-10: Scheduled De-proping - Zone D1 3F 11 02-Mar-18 28-Apr-18 12-May-18 100% 0% -56 14-Feb-18 AS-3F-10: Scheduled De-proping - Zone E1&E2 3F 11 100% 0% -115 28-Nov-17 11-Dec-17 07-Mav-18 24-Apr-18 AS-3F-10: Scheduled De-proping - Zone G 3F & 1F Escalator Structure 11 04-May-18 17-May-18 20-Apr-18 04-May-18 0% 0% 11 AS-3F-10: Scheduled De-proping - Zone H 2F 11 17-Jul-18 100% 0% -110 AS-3F-102 Scheduled De-proping - Zone H 3F (Remaining section) 05-Jul-18 17-Jul-18 100% 0% -110 AS-3F-10: Scheduled De-proping - Zone K & L LGF 0% 0% 36 11 01-Jun-18 30-Apr-18 14-Jun-18 18-Apr-18 -29 AS-3F-10: Scheduled De-proping - Zone M 3F West Core Wall 11 50% 0% 23-Mar-18 10-Apr-18 02-May-18 15-May-18 AS-3F-10370 -29 AS-3F-10: Scheduled De-proping - Zone N 4F East Core Wall 11 23-Mar-18 10-Apr-18 02-Mav-18 15-May-18 50% 0% M+ Tower RC Structure AS-M+10060 10/F Curing & Falseworks Stripping 15-May-18 26-May-18 ↑ 10/F Curing & Falseworks Stripping, 0 0% 0% -9 ◆ 11/F Curing & Falseworks Stripping AS-M+10070 11/F Curing & Falseworks Stripping 0 30-May-18 0% 0% -9 09-Jun-18 • 12/F Curing & AS-M+10090 12/F Curing & Falseworks Stripping 0 13-Jun-18 25-Jun-18 0% -9 0% AS-M+1011013/F Curing & Falseworks Stripping 0 28-Jun-18 10-Jul-18 0% 0% -9 ♦ 5/F Curing & Falsew AS-M+10010 5/F Curing & Falseworks Stripping 0 21-Feb-18 10-Mar-18 A 100% 100% -15 Stripping, AS-M+10020 6/F Curing & Falseworks Stripping 0 09-Mar-18 18-Apr-18 100% 0% -30 6/F Curing & Falseworks Stripping, AS-M+10030 7/F Curing & Falseworks Stripping 0 26-Mar-18 07-May-18 100% 0% -31 ◆ 7/F Curing & Halsework's Stripping, 0 ◆ 8/F Curing & Falseworks Stripping, AS-M+10040 8/F Curing & Falseworks Stripping -17 16-Apr-18 07-May-18 0% 0% ◆ 9/F Curing & Falseworks Stripping, AS-M+10050 9/F Curing & Falseworks Stripping 0 30-Apr-18 11-May-18 0% 0% -9 CSF RC Structure ♦ 3/F Curing & False -74 AS-CS-10030 3/F Curing & Falseworks Stripping 0 07-Dec-17 10-Mar-18 A 100% 100% AS-CS-10040 4/F Curing & Falseworks Stripping 0 23-Dec-17 06-Apr-18 100% 0% -80 ◆ 4/F Curing & Falseworks Stripping, ◆ 5/F Curing & Falseworks Stripping 0 -84 AS-CS-10050 5/F Curing & Falseworks Stripping 12-Jan-18 27-Apr-18 100% 0% 6/F Curing & Falseworks Stripping, AS-CS-10060 6/F Curing & Falseworks Stripping 29-Jan-18 -94 28-May-18 100% 0% ◆ 7/F Curing & AS-CS-10070 7/F Curing & Falseworks Stripping 14-Feb-18 26-Jun-18 100% 0% -104 0 AS-CS-10080 8/F to +61mPD Curing & Falseworks Stripping 06-Mar-18 25-Jul-18 100% 0% -114 AS-CS-10090 R/F Curing & Falseworks Stripping Λ 0% 0% 21-Apr-18 24-Sep-18 -130 AS-RD-101(10/F Curing & Falseworks Stripping 0 24-May-18 30-Aug-18 0% 0% -83 AS-RD-101: 11/F Curing & Falseworks Stripping 09-Jun-18 15-Sep-18 0% 0% -83 27-Jun-18 AS-RD-1017 12/F Curing & Falseworks Stripping 0 04-Oct-18 0% 0% -83 ◆ 3/F Curing & Falseworks Stripping, AS-RD-100: 3/F Curing & Falseworks Stripping 0 19-Jan-18 21-Apr-18 100% 0% -73 ◆ 5/F Curing & Falseworks Stripping, AS-RD-100! 5/F Curing & Falseworks Stripping 0 24-Feb-18 07-Jun-18 100% 0% -83 • 6/F Curing & F AS-RD-100(6/F Curing & Falseworks Stripping 0 13-Mar-18 25-Jun-18 100% 0% -83 0 100% 0% -83 AS-RD-100: 7/F Curing & Falseworks Stripping 29-Mar-18 12-Jul-18 0 28-Jul-18 0% -83 AS-RD-100\ 8/F Curing & Falseworks Stripping 19-Apr-18 0% AS-RD-100! 9/F Curing & Falseworks Stripping 0 07-May-18 14-Aug-18 0% 0% -83

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme

Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

ivity ID	Activity Name	CMWP	CMWP -	CMWP	Actual /	Actual /	Planned	Actual %	Finish		March			April				May				June		Jι
	, , , , , , , , , , , , , , , , , , , ,	Dur.	R0.D8 Start	-R0.D8	Forecast	Forecast Finish	n B/L %		Variance		30			31	1 22 1	1	00	32	00 1	07	00	33	47	3
Matertials A	phinyad			Finish	Start		Complete		(+/-d)	5 04	11 18	25 ()1	08 15	22	29	06	13	20	27	03	10	17 24	24 0°
Watertight A M+ Podium																								
_	Zone A Facade Installation Completed (2F GL1-8/A & 1/A-H)	0		07-Mar-18		12-Jul-18	100%	0%	-101	\														
WA-PD-10	Zone E Facade Installation Completed (2F GL 8-11/A)	0		28-Jun-18		18-Oct-18	0%	0%	-93															♦
WA-PD-10	Zone M Facade Installation Completed (2F GL7-8/A-D)	0		18-May-18		13-Jul-18	0%	0%	-45									♦						
WA-PD-10	Zone P Plaza Skylight Installation Completed (3F GL6-7/E-H	0		29-Mar-18		18-Jul-18	100%	0%	-87												1			
M+ MEP Pro	eliminaries																							
M+ FS											<u></u>		<u>i</u>	<u></u>	<u> i i</u>		<u></u>	i	<u>i</u>	<u>l.i.</u>	<u></u>	<u></u>	i	
A65090	Shop Drawing Submission and Approval (Fire Services)	288	20-Oct-17	17-Feb-18	17-Jun-16 A	15-Nov-18	100%	20%	-271		-	:	-			1	- 1	-	-		-	!		
M+ Electrica A65070		200	20 Oct 17	17 Ech 19	14 Doc 15 A	15-Nov-18	100%	20%	271															
M+ P&D	Shop Drawing Submission and Approval (Electrical)	200	20-001-17	17-Feb-18	14-Dec-15 A	15-NOV-18	100%	20%	-2/1															
A65080	Shop Drawing Submission and Approval (Plumbing and Drai	288	20-Oct-17	17-Feb-18	24-Mar-16 A	15-Nov-18	100%	20%	-271				-				-		-	-	-	-		
M+ HVAC	la share grant and the black of a grant a									l														
A65060	Shop Drawing Submission and Approval (M+ HVAC)	288	20-Oct-17	17-Feb-18	14-Nov-15 A	15-Nov-18	100%	20%	-271		1	:	1	1	1 1		-	1	-		1	-	-	
	reliminaries																- 1				!			
M+ HVAC			20.0.45				1000/	200/	271			!	- 1	-										
A65100	Shop Drawing Submission and Approval (CSF HVAC)	288	20-Oct-17	17-Feb-18	11-Apr-17 A	15-Nov-18	100%	20%	-271			<u> </u>												
M+ Electrica A65110	Shop Drawing Submission and Approval (Electrical)	288	20-Oct-17	17-Feh-18	14-Dec-15 Δ	15-Nov-18	100%	20%	-271					-	1	+					1			
M+ P&D	5.10p Stating Sastingsion and Approval (Lieuthian)	200	20 000-17	1, 100-10	2 . DCC 13 A	12 140V-10	100/0	2070	2/1															
A65120	Shop Drawing Submission and Approval (Plumbing and Drai	288	20-Oct-17	17-Feb-18	16-Nov-16 A	15-Nov-18	100%	20%	-271				_							_				
M+ FS																								
A65130	Shop Drawing Submission and Approval (Fire Services)	288	20-Oct-17	17-Feb-18	17-Jun-16 A	15-Nov-18	100%	20%	-271			:	!	1	;		:		:	1:		-		
	Preliminaries																							
M+ P&D	Char Danisia Cubarinia and Anna Ind (Dhumbia and Dari	200	20.0+17	17 Fab 10	14 Dec 16 A	15 Nav. 10	1000/	200/	271	İ	1	i	i	i	i	1	- 1	- 1	i		İ	İ	i	
A65160 M+ HVAC	Shop Drawing Submission and Approval (Plumbing and Drai	288	20-Oct-17	17-Feb-18	14-Dec-16 A	15-NOV-18	100%	20%	-2/1															
A65140	Shop Drawing Submission and Approval (RDE HVAC)	288	20-Oct-17	17-Feb-18	21-Nov-16 A	15-Nov-18	100%	20%	-271															
M+ FS	one promise and representations	200	20 000 17	17 100 10	21 1101 1071	15 1107 10	100/0	2070	2,1															
A65150	Shop Drawing Submission and Approval (Fire Services)	288	20-Oct-17	17-Feb-18	17-Jun-16 A	15-Nov-18	100%	20%	-271	1			-	1	1 1	1	- 1	- 1	-	- 1	1	- 1	-	
M+ Electrica	al Company																							
A65170	Shop Drawing Submission and Approval (Electrical)					15-Nov-18	100%	20%	-271	ļ		ļ						·						
	al Items Cost Centre G (FS / OP non related	items	tentative	for referer	nce only)						1			1	1	- 1	- 1				1			
	loose furniture at Conservation & Storage Facilities										i			i	i i	i								
P1A6000														A 5	:			_						
	CAI for Fixed & loose furniture at Conservation & Storage Fa	0			16-Apr-18		0%	0%						◆ CAI	for Fixed &	loose furr	niture at	Conserva	tion & Stor	age Faci	lities, 16-	Apr-18		
P1A6050	Fixed & loose furniture at Conservation & Storage Facilities E	0			16-Apr-18 11-Jun-18	25-Mar-19	0%	0% 0%						◆ CAI	for Fixed &	loose fu r r	niture at	Conserva	tion & Stor	age Faci	lities, 16-	Apr-18		
P1A6010	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s	0			•														tion & Stora			•		
P1A6010 1B) Fixed &	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s Loose furniture at M+ Tower	0			11-Jun-18 24-Apr-18		0%	0% 0%														•		
P1A6010 1B) Fixed & P1B6000	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower	0 0			11-Jun-18 24-Apr-18 18-Apr-18	10-Jun-18	0% 0%	0% 0%														•		
P1A6010 1B) Fixed & P1B6000 P1B6060	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing st	0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18	10-Jun-18 27-Mar-19	0% 0% 0% 0%	0% 0% 0%														•		
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing st Fixed & loose furniture at M+ Tower subletting	0 0			11-Jun-18 24-Apr-18 18-Apr-18	10-Jun-18 27-Mar-19	0% 0%	0% 0%														•		
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed &	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing st Fixed & loose furniture at M+ Tower subletting loose furniture at M+ Galleries	0 0 0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18 26-Apr-18	10-Jun-18 27-Mar-19	0% 0% 0% 0% 0%	0% 0% 0% 0% 0%						◆ C.	A) for Fixed	& loose f	urniture	at M+ To	wer, 18-Apr	r-18		•		
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing s Fixed & loose furniture at M+ Tower subletting loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries	0 0 0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18 26-Apr-18	10-Jun-18 27-Mar-19 12-Jun-18	0% 0% 0% 0% 0%	0% 0% 0% 0% 0%						◆ C.	A) for Fixed	& loose f	urniture	at M+ To		r-18		•		
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing s Fixed & loose furniture at M+ Tower subletting Loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries	0 0 0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18 26-Apr-18 16-Apr-18 11-Jun-18	27-Mar-19 12-Jun-18 25-Mar-19	0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0% 0%						◆ C.	A) for Fixed	& loose f	urniture	at M+ To	wer, 18-Apr	r-18		•		
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s Loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing s Fixed & loose furniture at M+ Tower subletting Loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Design/Shop drawing Fixed & loose furniture at M+ Galleries subletting	0 0 0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18 26-Apr-18	10-Jun-18 27-Mar-19 12-Jun-18	0% 0% 0% 0% 0%	0% 0% 0% 0% 0%						◆ C.	A) for Fixed	& loose f	urniture	at M+ To	wer, 18-Apr	r-18		•		
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010 1D) Juke Bo	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s Loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing s Fixed & loose furniture at M+ Tower subletting Loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Design/Shop drawing Fixed & loose furniture at M+ Galleries subletting Exercise Sub	0 0 0 0 0 0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18 26-Apr-18 16-Apr-18 11-Jun-18 24-Apr-18	27-Mar-19 12-Jun-18 25-Mar-19	0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0% 0%						◆ C.	Al for Fixed	& loose f	urniture niture at	at M+ To	wer, 18-Apr	r-18		•		
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010 1D) Juke Bo P1D6000	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing sı Fixed & loose furniture at M+ Tower subletting Loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Design/Shop drawing Fixed & loose furniture at M+ Galleries subletting CAI for Juke Box equipement system & machinery CAI for Juke Box equipement system & machinery	0 0 0 0 0 0 0 0 0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18 26-Apr-18 16-Apr-18 11-Jun-18 24-Apr-18	27-Mar-19 12-Jun-18 25-Mar-19 10-Jun-18	0% 0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0% 0% 0%						◆ C.	Al for Fixed	& loose f	urniture niture at	at M+ To	wer, 18-Apr	r-18		•		
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010 1D) Juke Boo P1D6000 P1D6060	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing sı Fixed & loose furniture at M+ Tower subletting Loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries subletting Dox equipement system & machinery CAI for Juke Box equipement system & machinery Fixed & loose furniture at M+ Galleries Design/Shop drawing Fixed & loose furniture at M+ Galleries Design/Shop drawing	0 0 0 0 0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18 26-Apr-18 11-Jun-18 24-Apr-18 14-Apr-18	27-Mar-19 12-Jun-18 25-Mar-19 10-Jun-18	0% 0% 0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0% 0% 0% 0%						◆ C.	Al for Fixed	& loose f	urniture niture at	at M+ To	wer, 18-Apr	r-18		•		
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010 1D) Juke Book P1D6000 P1D6060 P1D6010	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing sı Fixed & loose furniture at M+ Tower subletting loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries subletting loose furniture at M+ Galleries subletting loose furniture at M+ Galleries subletting loose furniture at M+ Galleries besign/Shop drawing loose furniture at M+ Galleries Design/Shop drawing loose furniture at M+ Galleries Design/Shop drawing Juke Box equipement system & machinery subletting	0 0 0 0 0 0 0 0 0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18 26-Apr-18 16-Apr-18 11-Jun-18 24-Apr-18	27-Mar-19 12-Jun-18 25-Mar-19 10-Jun-18	0% 0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0% 0% 0%						◆ C.	Al for Fixed	& loose f	urniture niture at	at M+ To	wer, 18-Apr	r-18		•		
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010 1D) Juke Book P1D6000 P1D6060 P1D6010 1E) Fixed &	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing sı Fixed & loose furniture at M+ Tower subletting Loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries subletting Example of the Storage of	0 0 0 0 0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18 26-Apr-18 11-Jun-18 24-Apr-18 09-Jun-18 22-Apr-18	27-Mar-19 12-Jun-18 25-Mar-19 10-Jun-18	0% 0% 0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0% 0% 0% 0%						◆ C.	Al for Fixed for Fixed &	& loose furrolloos	urniture niture at nt system	at M+ To M+ Galle 1 & machi	wer, 18-Apr ies, 16-Apr inery, 14-Ap	r-18		•		
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010 1D) Juke Be P1D6000 P1D6010 1E) Fixed & P1E6000	Fixed & loose furniture at Conservation & Storage Facilities I Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing st Fixed & loose furniture at M+ Tower subletting loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Design/Shop drawing Fixed & loose furniture at M+ Galleries subletting CAI for Juke Box equipement system & machinery CAI for Juke Box equipement system & machinery Juke Box equipement system & machinery subletting Loose furniture for Learning Centre CAI for Fixed & loose furniture for Learning Centre	0 0 0 0 0 0 0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18 26-Apr-18 11-Jun-18 24-Apr-18 09-Jun-18 22-Apr-18	27-Mar-19 12-Jun-18 25-Mar-19 10-Jun-18 23-Mar-19 08-Jun-18	0% 0% 0% 0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0% 0% 0% 0% 0%						◆ CAI	Al for Fixed for Fixed &	& loose furrolloos	urniture niture at nt system	at M+ To M+ Galle 1 & machi	wer, 18-Apr ies, 16-Apr inery, 14-Ap	r-18				
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010 1D) Juke Book P1D6000 P1D6060 P1D6010 1E) Fixed & P1E6000 P1E6060	Fixed & loose furniture at Conservation & Storage Facilities I Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing st Fixed & loose furniture at M+ Tower subletting loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries besign/Shop drawing Fixed & loose furniture at M+ Galleries subletting ox equipement system & machinery CAI for Juke Box equipement system & machinery Fixed & loose furniture at M+ Galleries Design/Shop drawing Juke Box equipement system & machinery subletting loose furniture for Learning Centre CAI for Fixed & loose furniture for Learning Centre Fixed & loose furniture at M+ Galleries Design/Shop drawing	0 0 0 0 0 0 0 0 0			11-Jun-18 24-Apr-18 18-Apr-18 13-Jun-18 26-Apr-18 11-Jun-18 24-Apr-18 09-Jun-18 22-Apr-18	27-Mar-19 12-Jun-18 25-Mar-19 10-Jun-18 23-Mar-19 08-Jun-18	0% 0% 0% 0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0% 0% 0% 0% 0% 0%						◆ CAI	Al for Fixed for Fixed &	& loose furrolloos	urniture niture at nt system	at M+ To M+ Galle 1 & machi	wer, 18-Apr ies, 16-Apr inery, 14-Ap	r-18		•		
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P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010 1D) Juke Bo P1D6000 P1D6010 1E) Fixed & P1E6000 P1E6000 P1E6010 1F) Fixed & P1F6000	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing sı Fixed & loose furniture at M+ Tower subletting CAI for Fixed & loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Design/Shop drawing Fixed & loose furniture at M+ Galleries subletting CAI for Juke Box equipement system & machinery CAI for Juke Box equipement system & machinery Fixed & loose furniture at M+ Galleries Design/Shop drawing Juke Box equipement system & machinery subletting loose furniture for Learning Centre CAI for Fixed & loose furniture for Learning Centre Fixed & loose furniture for Learning Centre subletting loose furniture for Moving Image Centre CAI for Fixed & loose furniture for Moving Image Centre				11-Jun-18 24-Apr-18 13-Jun-18 26-Apr-18 11-Jun-18 24-Apr-18 14-Apr-18 09-Jun-18 22-Apr-18 11-Apr-18 06-Jun-18 19-Apr-18	27-Mar-19 12-Jun-18 25-Mar-19 10-Jun-18 23-Mar-19 08-Jun-18	0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0% 0% 0% 0% 0% 0%						CAI for Fixe	Al for Fixed for Fixed & Juke Box e	& loose furr quipemer furniture f	urniture niture at nt system	at M+ Too M+ Galler	wer, 18-Apr ries, 16-Apr inery, 14-Ap	r-18				
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P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010 1D) Juke Book P1D6000 P1D6000 P1D6010 1E) Fixed & P1E6000 P1E6010 1F) Fixed & P1F6000 P1F6010 P1F6070 P1F6010	Fixed & loose furniture at Conservation & Storage Facilities E Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing sı Fixed & loose furniture at M+ Tower subletting Loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Design/Shop drawing Fixed & loose furniture at M+ Galleries subletting CAI for Juke Box equipement system & machinery CAI for Juke Box equipement system & machinery Fixed & loose furniture at M+ Galleries Design/Shop drawing Juke Box equipement system & machinery subletting Loose furniture for Learning Centre CAI for Fixed & loose furniture for Learning Centre Fixed & loose furniture at M+ Galleries Design/Shop drawing Fixed & loose furniture for Learning Centre subletting Loose furniture for Moving Image Centre CAI for Fixed & loose furniture for Moving Image Centre Fixed & loose furniture for Moving Image Centre Design/Sho Fixed & loose furniture for Moving Image Centre subletting				11-Jun-18 24-Apr-18 13-Jun-18 26-Apr-18 11-Jun-18 24-Apr-18 14-Apr-18 09-Jun-18 22-Apr-18 11-Apr-18 06-Jun-18 19-Apr-18	27-Mar-19 12-Jun-18 25-Mar-19 10-Jun-18 23-Mar-19 08-Jun-18	0% 0% 0% 0% 0% 0% 0% 0% 0% 0%	0% 0% 0% 0% 0% 0% 0% 0% 0% 0%						CAI for Fixe	Al for Fixed for Fixed & Juke Box e	& loose furr quipemer furniture f	urniture niture at or Learn	at M+ Too M+ Galler I & mach ing Centr	wer, 18-Apr ries, 16-Apr inery, 14-Ap	r-18 pr-18				
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P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010 1D) Juke Book P1D6000 P1D6060 P1D6010 1E) Fixed & P1E6000 P1E6010 1F) Fixed & P1E6000 P1F6010 1F) Fixed & P1F6000 P1F6070 P1F6010 1G) Fixed & P1G6000	Fixed & loose furniture at Conservation & Storage Facilities I Fixed & loose furniture at Conservation & Storage Facilities s loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Fixed & loose furniture at M+ Tower Design/Shop drawing st Fixed & loose furniture at M+ Tower subletting loose furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries besign/Shop drawing Fixed & loose furniture at M+ Galleries subletting cx equipement system & machinery CAI for Juke Box equipement system & machinery Fixed & loose furniture at M+ Galleries Design/Shop drawing Juke Box equipement system & machinery subletting loose furniture for Learning Centre CAI for Fixed & loose furniture for Learning Centre Fixed & loose furniture at M+ Galleries Design/Shop drawing Fixed & loose furniture for Learning Centre subletting loose furniture for Moving Image Centre CAI for Fixed & loose furniture for Moving Image Centre Fixed & loose furniture for Moving Image Centre Fixed & loose furniture for Moving Image Centre Design/Sho Fixed & loose furniture at M+ Workshop & BOH Area CAI for Fixed & loose furniture at M+ Workshop & BOH Area				11-Jun-18 24-Apr-18 13-Jun-18 26-Apr-18 11-Jun-18 24-Apr-18 11-Jun-18 24-Apr-18 09-Jun-18 22-Apr-18 11-Apr-18 06-Jun-18 19-Apr-18 11-Jun-18 24-Apr-18	27-Mar-19 12-Jun-18 25-Mar-19 10-Jun-18 23-Mar-19 08-Jun-18 21-Mar-19 06-Jun-18	0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0	0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0						CAI for Fixe	Al for Fixed & r Juke Box e for Fixed &	& loose furr quipemer furniture f	urniture niture at or Learn	at M+ To M+ Galler ing Centr	wer, 18-Apries, 16-Aprinery, 14-Aprinery, 14-Aprinege Cent	r-18 pr-18	Apr-18			
P1A6010 1B) Fixed & P1B6000 P1B6060 P1B6010 1C) Fixed & P1C6000 P1C6050 P1C6010 1D) Juke Book P1D6000 P1D6000 P1D6000 P1E6000 P1E6000 P1E6000 P1E6000 P1E6010 1F) Fixed & P1F6000 P1F6010 1G) Fixed & P1F6010	Fixed & loose furniture at Conservation & Storage Facilities I Fixed & loose furniture at Conservation & Storage Facilities S loose furniture at M+ Tower CAI for Fixed & loose furniture at M+ Tower Pesign/Shop drawing storage furniture at M+ Tower Design/Shop drawing storage furniture at M+ Tower Design/Shop drawing storage furniture at M+ Galleries CAI for Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Fixed & loose furniture at M+ Galleries Design/Shop drawing Fixed & loose furniture at M+ Galleries subletting CAI for Juke Box equipement system & machinery CAI for Juke Box equipement system & machinery subletting Juke Box equipement system & machinery subletting Loose furniture for Learning Centre CAI for Fixed & loose furniture at M+ Galleries Design/Shop drawing Fixed & loose furniture for Learning Centre CAI for Fixed & loose furniture for Learning Centre subletting Loose furniture for Moving Image Centre CAI for Fixed & loose furniture for Moving Image Centre Design/Sho Fixed & loose furniture for Moving Image Centre subletting Loose furniture for Moving Image Centre Subletting Loose furniture for Moving Image Centre Subletting Loose furniture for Moving Image Centre Subletting Loose furniture for Moving Image Centre Subletting Loose furniture for Moving Image Centre Subletting Loose furniture at M+ Workshop & BOH Area	0 0 0 0 0 0 0 0 0 0			11-Jun-18 24-Apr-18 13-Jun-18 26-Apr-18 11-Jun-18 24-Apr-18 14-Apr-18 09-Jun-18 22-Apr-18 11-Apr-18 06-Jun-18 19-Apr-18 11-Jun-18 24-Apr-18	27-Mar-19 12-Jun-18 25-Mar-19 10-Jun-18 23-Mar-19 08-Jun-18	0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0	0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0						CAI for Fixe	Al for Fixed & r Juke Box e for Fixed &	& loose furr quipemer furniture f	urniture niture at or Learn	at M+ To M+ Galler ing Centr	wer, 18-Apries, 16-Aprinery, 14-Aprinery, 14-Aprinege Cent	r-18 pr-18	Apr-18			

Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme

Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

tivity ID	Activity Name	CMWF	_	Actual /	Actual /	Planned		Finish	March	P	April		May		Ju	ine	Ju
		Dur.	R0.D8 Start -R0.D8 Finish	Forecast Start	Forecast Finisl	n B/L % Complete	Complete	Variance (+/-d)	30 04 11 18 25	01 08	31 15 22	29 06	32 13	20 27	03 10	33 17 24	34 01
P1H6000	CAI for Fitting out works for cafes at B1/F & L3/F	0	Finish	10-Apr-18		0%	0%	(+/-u)	04 11 16 25		for Fitting out wor	ks for cafes at B1/	F & L3/F, 1	10-Apr-18	03 10	11 24	1 01
P1H6090	Fitting out works for cafes at B1/F & L3/F Design/Shop draw	0		05-Jun-18	19-Mar-19	0%	0%										_
P1H6010	Fitting out works for cafes at B1/F & L3/F subletting	0		18-Apr-18	04-Jun-18	0%	0%						1	1			
	& loose furniture at M+ Shop including Espresso Bar	U		10-Aþi-10	04-Juli-16	0%	0%										
P1K6000	CAI for Fixed & loose furniture at M+ Shop including Espress	0		17-Apr-18		0%	0%				◆ CAI for Fixed	& loose furniture a	t M+ Shor	p including Espres	so Bar. 17-Apr-1	18	
P1K6100	Fixed & loose furniture at M+ Shop including Espresso Bar D	0		12-Jun-18	26-Mar-19	0%	0%					F					
		-										i i i	i i	i	į		
P1K6010	Fixed & loose furniture at M+ Shop including Espresso Bar su	0		25-Apr-18	11-Jun-18	0%	0%										
	gital way-finding signage & digital signage	0		07-Apr-18		00/	0%			◆ CALfor!	lon digital way fin	ding signage & dig	ital signag	ne 07-Δnr-18			
P2A6000	CAI for Non digital way finding signage & digital signage	_		· · · · · · · · · · · · · · · · · · ·	17.11	0%				CALION	i i	uning signage & dig	itai sigi iag	ge, 07-Apr-18		1 1	
P2A6110	Non digital way finding signage & digital signage Design/Sho	0		03-Jun-18	17-Mar-19	0%	0%						<u> </u>				
P2A6010	Non digital way finding signage & digital signage subletting	0		16-Apr-18	02-Jun-18	0%	0%								1		
manual .	lighting & accessories for CCTV & Wi Fi	1 -			1	221	221			♠ CAL	for Ctroot lighting	s access of the C	CT\ 0 \\	F: 10 Abr 10			
P2B6000	CAI for Street lighting & accessories for CCTV & Wi Fi	0		10-Apr-18		0%	0%			▼ CAI	ior street lighting (& accessories for C	CIV & WI	ri, 10-Apr-18			
P2B6120	Street lighting & accessories for CCTV & Wi Fi Design/Shop d	0		05-Jun-18	19-Mar-19	0%	0%										Т
P2B6010	Street lighting & accessories for CCTV & Wi Fi subletting	0		18-Apr-18	04-Jun-18	0%	0%						ii.				
2C) Eleme	nts Cooling Main access modification										A		i i				
P2C6000	CAI for Elements Cooling Main access modification	0		16-Apr-18		0%	0%				▼ CAI for Elemen	nts Cooling Main ac	cess mod	incation; 16-Apr-	īχ		
P2C6130	Elements Cooling Main access modification Design/Shop dra	0		23-Jun-18	06-Apr-19	0%	0%										
P2C6010	Elements Cooling Main access modification subletting	0		24-Apr-18	22-Jun-18	0%	0%										
2E) MEP &	Misc building works assoc. District Cooling System in	take pu	imp cell							<u> </u>			ļ		ļ		
P2E6000	CAI for MEP & Misc building works assoc. District Cooling Sy	0		07-Apr-18		0%	0%			◆ CAI for I	MEP & Misc buildii	ng works assoc. Dis	strict Coali	ing System intake	pump cell, 07-A	pr-18	
P2E6140	MEP & Misc building works assoc. District Cooling System in	0		15-Jun-18	29-Mar-19	0%	0%								1		
P2E6010	MEP & Misc building works assoc. District Cooling System in	0		16-Apr-18	14-Jun-18	0%	0%							:	;		
2F) BWIC	basic MEP provision for CLP transformer rooms																
P2F6150	BWIC / basic MEP provision for CLP transformer rooms Desi	0		11-Jun-18	25-Mar-19	0%	0%									: :	_
P2F6010	BWIC / basic MEP provision for CLP transformer rooms subl	0		12-Apr-18	10-Jun-18	0%	0%							;			
P2F6000	CAI for BWIC / basic MEP provision for CLP transformer roo	0		03-Apr-18		0%	0%			◆ CAI for BWIC	basic MEP provis	ion for CLP transfe	ormer roo	ms, 03-Apr-18			
	tory Inspection, OP & PC																
	Portable & Flushing Water																
A55550	Submit Revised Schematic (VPLD) to WSD	27	28-May-18 28-Jun-18	07-Jun-18	10-Jul-18	0%	0%	-9						A55550 -			+
A55560	Submit WWO46 Part 4 for WSD Inspection	0	28-Jun-18	10-Jul-18	20 (0. 20	0%	0%	-12	· -/	+		<u> </u>	 				
A55570	WSD Inspection	53			10-Sep-18	0%	0%	-9								A55570 =	
	or's Summary Works Programme		20-Juli-10 J0-Aug-10	10-301-18	10-3ep-10	070	070	-5								A33370 L	
Milestone																	
	Dates A - Preliminaries & General Requirements																
MSA.14	Compliance Review to the CA's satisfaction on Project Time	0			31-Mar-18*	0%	0%			Compliance Revie	w to the CA's satis	faction on Project	Time & Co	onstruction PMgt	Doc (t=M30),		
	B - M+ Museum & CSF				02 11101 20		4,1										
MSB.12i	CLP Power-on (Tr=M28)	0			27-May-18	0%	0%							CLP Po	wer-on (Tr=M28),	
MSB.06.e	Complete 3F slab at Zone A1 to A5, Zone E and Zone H (Tr=N	0			21-Jun-18	0%	0%									◆ Complete	a 3F sla
MSB.06.d	Complete 4F and 2F infill slab between truss 1 and 2 (Tr=M2	0			30-Mar-18	0%	0%			Complete 4F and 2	F infill slab betwee	en truss 1 and 2 (T	r=M27).				
	Complete installation of DCS plant and equipment (Tr=M31)	0			19-May-18									Complete installa	tion of DCS plan	it and equipment (Tr=M3
MSB.12iii		_			-	0%	0%			Handover TX Roon	se for CID inetallat	on (Tr=M26)		complete insulic	tion or bes plan	it dira equipinent (11-1415
MSB.09i	Handover TX Rooms for CLP installation (Tr=M26)	0			30-Mar-18	0%	0%			Handover 1x Room	is for CLF, ilistaliat	1011 (11–10126),					
MSD2.03	D2 - Interfacing Car Park Works Complete all necessary works for the submission of Form 5(0			20 Mar 10	0%	0%			Complete all neces	sary works for the	submission of For	m 501 to	FSD for inspection	n (t=M31)		
					30-Mar-18					Complete all work	1 1	: : : :	: :	i specilo	(* 10.52),		
MSD2.06	Complete all work necessary for practical completion (t=M4	0			30-Mar-18	0%	0%				i		1	- (+ 1424)			
MSD2.05	Complete the integrated testing and commissioning of all sy	0			30-Mar-18	0%	0%			Complete the integ		commissioning of	all system	S (t=IVI34),			
MSD2.04	Obtain FS certificate (t=M33)	0			30-Mar-18	0%	0%			Obtain FS certificat	e (t=M33),						
	C - Public Works and Tunel Protection Works				00.14	001	00/					♦ co	malata Dia	ant Pooms associ	ntod with the Lin	dorpass Pand /Tr-	14221
MSC.06	Complete Plant Rooms associated with the Underpass Road	0			09-May-18	0%	0%					▼ Coi	mpiete Pia	ant Rooms associ	ated with the Un	derpass Road (Tr=	VI32),
	J - RDE Building	0			20 Mar 10	00/	00/			1F Structure Comp	lete to 100% (Tr-I	(1)33)	ļ		i 		
	1F Structure Complete to 100% (Tr=M23)	0			30-Mar-18	0%	0%			Tr Structure comp			nloto /Tr-l	M20\			
MSJ.01-2	4F Structure Complete (Tr=M28)	0			28-Apr-18	0%	0%			1	•	4F Structure Com	ipiete (Tr‡l	IVIZOJ,			
MSJ.01a						46.5	651										
MSJ.01a M+			40.11	00		40.34%	0%	-80		1		: : :	1 1		1 1	1 1	
MSJ.01a M+ SUM-1600	, , ,	_	18-Nov-17 12-Oct-18	· ·	18-Jan-19												
MSJ.01a M+		_	18-Nov-17 12-Oct-18 21-Oct-17 04-Aug-18	· ·		56.14%	0%	-137	<u></u>		<u> </u>	 	i.		<u></u>		
MSJ.01a M+ SUM-1600	M+ Podium Glass Wall & Skylight (By RedLand, Permasteelis	_	21-Oct-17 04-Aug-18	23-Nov-17 A		56.14%		-137 -92		:							
MSJ.01a M+ SUM-1600 SUM-1500	M+ Podium Glass Wall & Skylight (By RedLand, Permasteelis M+ Podium Structure RC Works	232	21-Oct-17 04-Aug-18 20-Oct-17 03-Jul-18	23-Nov-17 A	18-Jan-19 20-Oct-18	56.14%	59.91%									: :	Ŧ
MSJ.01a M+ SUM-1600 SUM-1500 SUM-1100	M+ Podium Glass Wall & Skylight (By RedLand, Permasteelis M+ Podium Structure RC Works M+ Podium Tower Facade Preliminaries	232 204	21-Oct-17 04-Aug-18 20-Oct-17 03-Jul-18 20-Oct-17 06-Jun-18	23-Nov-17 A 09-Sep-16 A 06-Mar-16 A	18-Jan-19 20-Oct-18	56.14% 64.11%	59.91% 75.04%	-92									
MSJ.01a M+ SUM-1600 SUM-1500 SUM-1100 SUM-1400	M+ Podium Glass Wall & Skylight (By RedLand, Permasteelis M+ Podium Structure RC Works M+ Podium Tower Facade Preliminaries M+ Tower External Envelope (By Permasteelisa)	232 204 184	21-Oct-17 04-Aug-18 20-Oct-17 03-Jul-18 20-Oct-17 06-Jun-18 20-Oct-17 16-Jan-19	23-Nov-17 A 09-Sep-16 A 06-Mar-16 A 06-Jan-17 A	18-Jan-19 20-Oct-18 22-Sep-18 05-Dec-18	56.14% 64.11% 71.24%	59.91% 75.04% 49.92%	-92 -91		;							
MSJ.01a M+ SUM-1600 SUM-1500 SUM-1400 SUM-1400 SUM-1700 SUM-1300	M+ Podium Glass Wall & Skylight (By RedLand, Permasteelis M+ Podium Structure RC Works M+ Podium Tower Facade Preliminaries M+ Tower External Envelope (By Permasteelisa)	232 204 184 368	21-Oct-17 04-Aug-18 20-Oct-17 03-Jul-18 20-Oct-17 06-Jun-18 20-Oct-17 16-Jan-19	23-Nov-17 A 09-Sep-16 A 06-Mar-16 A 06-Jan-17 A	18-Jan-19 20-Oct-18 22-Sep-18 05-Dec-18	56.14% 64.11% 71.24% 35.61%	59.91% 75.04% 49.92%	-92 -91 33									

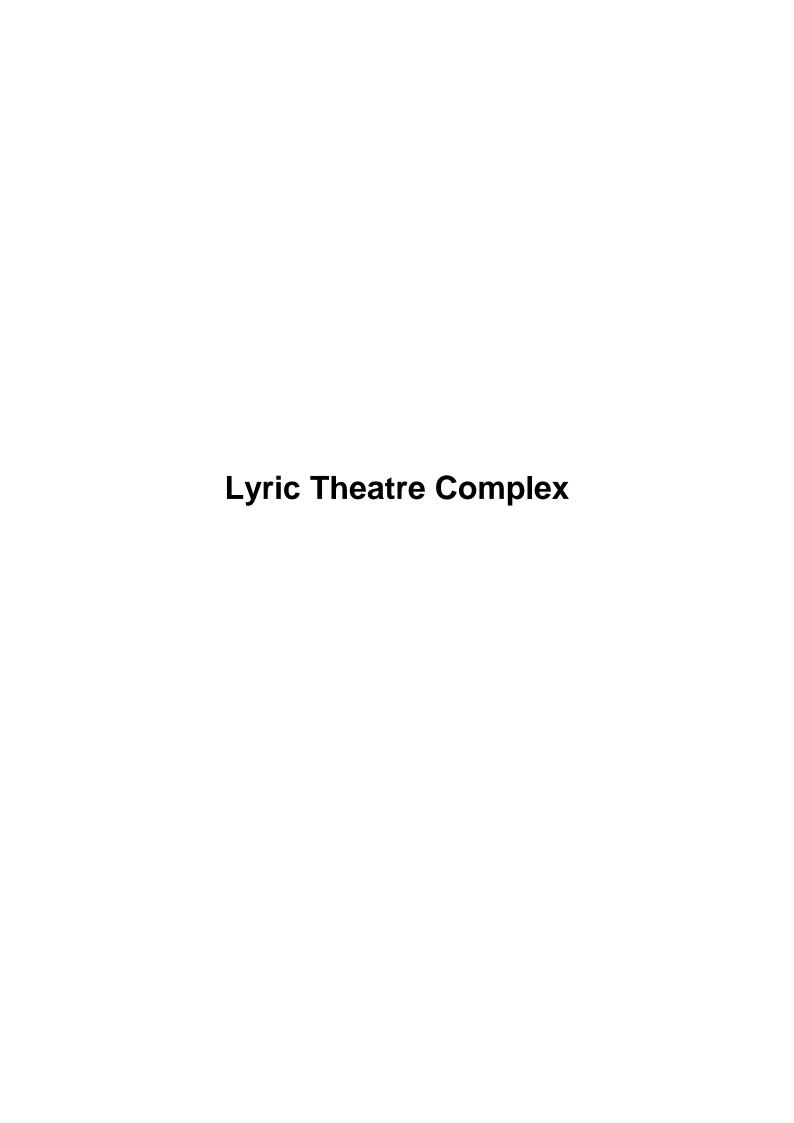
Layout Name: 01) CMWP - 3MRP (M30)

File Name: 3MRP-30 Three Months Rolling Programme Status at 31 Mar 2018

Three Months Rolling Programme (3MRP) - Mth 30 - 31 March 2018:

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activity ID	Activity Name	CMM	CMWP -	CMWP Actual /	Actual /	Planned A	Actual %	Finish		March		April		May		June	July
Clivity ID	Activity Name	Dur.	R0.D8 Start		Forecast Finish					30		31		32	_	33	34
		Dui.	10.Do Start	Finish Start	T Olecast I IIIIsii	Complete	Joinpiete	(+/-d)		11 18	25	01 08 15 22	29	06 13 20	27 03	10 17	24 01
SUM-2300	CSF External Envelope	255	20-Oct-17	30-Aug-18 19-Jun-17 A	24-Jan-19	51.46%	0%	-120		: :	!		! ! !	1 1 1			
SUM-2100	CSF Super-Structure RC Works	146	20-Oct-17	20-Apr-18 20-Mar-17	24-Sep-18	89.73%	43.56%	-130									
SUM-2600	RDE External Envelope	210	07-Apr-18	15-Dec-18 18-Jul-18	18-Jan-19	0%	0%	-26							+		
SUM-2400	RDE Super-Structure RC Works	281	20-Oct-17	02-Oct-18 29-Mar-17	24-Dec-18	46.62%	27.84%	-70	_		<u> </u>		-				
ABWF & Bu	illding Services																
SUM-3200	ABWF & Building Services Installation	443	20-Oct-17	23-Apr-19 06-Apr-17 A	26-Feb-19	29.54%	55.43%	44									
SUM-3000	Lifts and Escalators	309	22-Dec-17	09-Jan-19 09-Apr-18	29-Mar-19	25.24%	0%	-65	#		:		-	i i i			
ICP & SPS																	
SUM-4200	External Works	134	20-Oct-17	06-Apr-18 29-Dec-16 A	08-Sep-18	97.76%	55.19%	-128	1			:		1 1			
SUM-4100	ICP WORKS (Interfacing Car Park)	312	20-Oct-17	09-Nov-18 29-Oct-16 A	29-Sep-18	41.97%	73.35%	32									
SUM-4000	SPS WORKS (Sewerage Pumping Station)	43	20-Oct-17	11-Dec-17 29-Jul-16 A	08-Sep-18	100%	31.54%	-219									
Co-ordinate	ed External Works & Utilities Services Installation																
SUM-5100	Construction	311	20-Oct-17	07-Nov-18 12-Jul-16 A	24-Nov-18	42.18%	67.18%	-15			;						
SUM-5000	Interface Dates	497	20-Oct-17	27-Jun-19 10-Jan-15 A	25-Jan-19	26.37%	78.25%	121		I I	-		1 1	1 1 1			
M+ Statutor	ry Inspection, OP & PC																
SUM-8020	EPD Genset	148	25-Nov-17	30-May-18 16-Jun-17 A	27-Sep-17 A	68.24%	100%	196	-						-		
SUM-8040	WSD Inspection (Flushing & Portable)	67	28-Jun-18	15-Sep-18 10-Jul-18	10-Sep-18	0%	0%	4									



ctivity ID	Activity Name	Start Date	Finish Date			2018	
				Apr 4	May 5	Jun 6	Jul 7
L1 Contrac	t for Lyric Theatre Complex (3MRP)			4	5	0	
_	B - Excavation and Lateral Support (ELS) Stage 2						
	Steel Platform						
CB141220	Stage 1: Capping Plate & Primary Beam	17-Mar-18 A	21-Apr-18 A				
CB141230	Stage 1: Secondary Beam & Steel Deck	29-Mar-18 A	28-Apr-18 A		-		
CB142210	Stage 2: Ground Profiling & Extend King Post	02-May-18	15-May-18				
CB142220	Stage 2: Capping Plate & Primary Beam	09-May-18	30-May-18			 	
CB142230	Stage 2: Secondary Beam & Steel Deck	31-May-18	13-Jun-18*				
CB143210	Stage 3: Ground Profiling & Extend King Post	09-Apr-18 A	07-May-18				
CB143220	Stage 3: Capping Plate & Primary Beam	18-Apr-18 A	21-May-18				
CB143230	Stage 3: Secondary Beam & Steel Deck	25-Apr-18 A	05-Jun-18*				
CB144210	Stage 4: Ground Profiling & Extend King Post	19-Mar-18 A	07-Apr-18 A				
CB144220	Stage 4: Capping Plate & Primary Beam	06-Apr-18 A	05-May-18				
CB144230	Stage 4: Secondary Beam & Steel Deck	20-Apr-18 A	12-May-18*				
Excavation	and ELS Works (Stage 2)		-				
<u>—</u>	g Main & Pipe Pile Cofferdam						
CB160200	PIW1 Complete Diversion of Existing KGO Cooling Main (by Others)		10-Apr-18 A	•			
CB161220	Remove Existing KGO Cooling Main & Mobilize Rig	11-Apr-18 A	14-Apr-18 A				
CB161230	Install Remaining Pile Piles at Cofferdam Window	13-Apr-18 A	20-Apr-18 A				
CB161240	Grout Pipe Piles at Cofferdam Window	21-Apr-18 A	03-May-18		0		
Area 1		1					
CB161410	Area 1: Excavate to +3.5mPD	13-Apr-18 A	04-May-18				
CB161420	Area 1: Install Waling & Strut Layer S1	19-Apr-18 A	11-May-18			-	
CB161430	Area 1: Excavate to +0.5mPD	12-May-18	26-May-18				
CB161440	Area 1: Install Waling & Strut Layer S2	28-May-18	09-Jun-18				
CB161450	Area 1: Excavate to -4.2mPD	11-Jun-18	25-Jun-18				
CB161460	Area 1: Install Waling & Strut Layer S3	26-Jun-18	10-Jul-18*			[1
Area 2						 	
CB162410	Area 2: Excavate to +3.5mPD	23-Apr-18 A	21-May-18			 	
CB162420	Area 2: Install Waling & Strut Layer S1	26-Apr-18 A	07-Jun-18			·	!
-	Work Project ID: L13MRP-20180430 West Kowloon	-			· · · · · · · · · · · · · · · · · · ·	+	

Critical Remaining Work Actual Work Milestone

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L1 Contract for Lyric Theatre Complex & Extended Basement Three Month Rolling Programme (3MRP) - Status as of 30 Apr 2018



ctivity ID	Activity Name	Start Date	Finish Date			2018	
				Apr 4	May 5	Jun 6	Jul
CB162430	Area 2: Excavate to +0.5mPD	08-Jun-18	22-Jun-18		3		1
CB162440	Area 2: Install Waling & Strut Layer S2	23-Jun-18	07-Jul-18				<u> </u>
CB162450	Area 2: Excavate to -4.2mPD	09-Jul-18	21-Jul-18			·	
Area 3							
CB163410	Area 3: Excavate to +3.5mPD	02-May-18	15-May-18			·	}
CB163420	Area 3: Install Waling & Strut Layer S1	16-May-18	30-May-18				<u> </u>
CB163430	Area 3: Excavate to +0.5mPD	31-May-18	13-Jun-18				
CB163440	Area 3: Install Waling & Strut Layer S2	14-Jun-18	28-Jun-18				f
CB163450	Area 3: Excavate to -4.2mPD	29-Jun-18	13-Jul-18			·	<u> </u>
Area 4							
CB164410	Area 4: Excavate to +3.5mPD	31-May-18	13-Jun-18				
CB164420	Area 4: Install Waling & Strut Layer S1	14-Jun-18	28-Jun-18				
CB164430	Area 4: Excavate to +0.5mPD	29-Jun-18	13-Jul-18			· · · · · · · · · · · · · · · · · · ·	
CB164440	Area 4: Install Waling & Strut Layer S2	14-Jul-18	27-Jul-18				
CB164450	Area 4: Excavate to -4.2mPD	28-Jul-18	10-Aug-18				
Area 6 (Addi	tional Works / Variation Order)						
CB160115	Area 6: Prepare Amendment, Review & Submit to BD	12-Mar-18 A	10-Apr-18 A				
CB160118	Area 6: Area 6 ELS Amendment BD Review & Approval	11-Apr-18 A	09-May-18				
CB160120	Area 6: ELS Amendment BD Consent	10-May-18	07-Jun-18				
CB160125	Area 6: Remobilize Plant & Equipment	08-Jun-18	11-Jun-18				
CB160130	Area 6: Resume ELS / Excavation Works to Formation Level	12-Jun-18	04-Jul-18*				<u> </u>
Cost Centre	D - Public Infrastructure Works (PIW)						
Cost Centre	D2 - Austin Road West Lay-by						!
MC30-Ch. 16	60 to MC30-Ch.170						}
CD201510	MC30 CH160-Ch170: Excavate M/H SF_1.6 & Blinding	20-Mar-18 A	03-May-18				!
CD201520	MC30 CH160-Ch170: Construct Bottom Portion M/H SF_1.6	04-May-18	12-May-18				
CD201540	MC30 CH160-Ch170: Install Drainage Pipe bet. SF_1.6 & EAR2.18a	14-May-18	28-May-18			•	
CD201550	MC30 CH160-Ch170: Modification of EAR2.18A	29-May-18	04-Jun-18				
Portion 1						·	
CD201420	Portion 1 (Footpath): Set-up TTA	05-May-18	11-May-18				1



Project ID: L13MRP-20180430

Layout: L1-3MRP (Env)

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



Ī	Activity ID	Activity Name	Start Date	Finish Date		20	18	
-	•	, and the second			Apr	May	Jun	Jul
1					4	5	6	7
	CD201430	Portion 1 (Footpath): Trial Pits & Expose / Protect Existing Utilities	12-May-18	26-May-18				
	CD201440	Portion 1 (Footpath): Drainage & Utilities Works	28-May-18	20-Jul-18				
ı	Portion 2						 	
	CD201110	Portion 2 (Carriageway): Set-up TTA	25-Jun-18	30-Jun-18				
	CD201120	Portion 2 (Footpath): Trial Pits & Expose / Protect Existing Utilities	03-Jul-18	16-Jul-18				
ı	CD201130	Portion 1 (Footpath): Drainage & Utilities Works	17-Jul-18	06-Sep-18				



Project ID: L13MRP-20180430

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



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/m³)	Limit Level (mg/m³)
AM1	273.7	500
AM2A	274.2	500

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

Monitoring Station	Action Level (μg/m³)	Limit Level (µg/m³)
AM1	143.6	260
AM2A	151.1	260

<u>Noise</u>

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

informed of the results.

Event	Action				
	ET	IEC	WKCDA	Contractor	
Action Level					
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures;	 Check monitoring data submitted by ET; Check Contractor's working method. 	1. Notify Contractor	 Rectify any unacceptable practice; Amend working methods if appropriate. 	
	2. Inform IEC and WKCDA;	-			
	Repeat measurement to confirm finding;				
	 Increase monitoring frequency to daily. 				
two or more consecutive	 Identify source; Inform IEC and WKCDA; 	 Check monitoring data submitted by ET; Check Contractor's 		remedial to WKCDA within three working	
samples	3. Advise the WKCDA on the effectiveness of the proposed remedial measures;	working method; 3. Discuss with ET and Contractor on possible remedial measures;	 Notify Contractor; Ensure remedial measures properly implemented. 	days of notification; 2. Implement the agree proposals; 3. Amend proposal if appropriate.	
	4. Repeat measurements to confirm findings;	4. Advise the ET on the effectiveness of the			
	5. Increase monitoring frequency to daily;	proposed remedial measures;			
	6. Discuss with IEC and Contractor on remedial actions required;	5. Monitor the implementation of remedial measures.			
	7. If exceedance continues, arrange meeting with IEC and WKCDA;				
	8. If exceedance stops, cease additional monitoring.				
Limit Level					
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose	 Check monitoring data submitted by ET; Check Contractor's 		1. Take immediate action to avoid further exceedance;	
	remedial measures; 2. Inform WKCDA,	working method; 3. Discuss with ET and	3. Ensure remedial measures properly implemented.	2. Submit proposals for remedial actions to IE	
	Contractor and EPD;	Contractor on possible		within three working days of notification;	
	Repeat measurement to confirm finding;	4. Advise the WKCDA on		3. Implement the agree	
	4. Increase monitoring frequency to daily;	the effectiveness of the proposed remedial		proposals; 4. Amend proposal if	
	5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and WKCDA			appropriate.	

Event Action

- two or more consecutive samples
- 2. Exceedance for 1. Notify IEC, WKCDA, Contractor and EPD;
 - 2. Identify source;
 - 3. Repeat measurement to working method; 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.

- 1. Check monitoring data 1. Confirm receipt of 1. Take immediate submitted by ET;
- 2. Check Contractor's
- 3. Discuss amongst WKCDA, ET, and Contractor on the potential with the Contractor remedial actions;
- 4. Review Contractor's remedial actions whenever necessary to assure their effectiveness measures properly and advise the WKCDA accordingly;
- 5. Monitor the implementation of remedial measures.

- in writing;
- 2. Notify Contractor; 2. Submit proposals for
- 3. In consolidation with the IEC, agree on the remedial measures to be implemented;
- 4. Ensure remedial 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.

- notification of failure action to avoid further exceedance;
 - remedial actions to IEC within three working days of notification;
 - 3. Implement the agreed proposals;
 - 4. Resubmit proposals if problem still not under control;
 - 5. Stop the relevant portion of works as determined by the WKCDA until the exceedance is abated.

Construction Noise

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

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

Event	Action					
	ET	IEC	WKCDA	Contractor		
Action Level	Notify WKCDA, IEC and Contractor; Carry out investigation; Report the results of investigation to the IEC, WKCDA and Contractor; Discuss with the IEC and Contractor on remedial measures required; Increase monitoring frequency to check mitigation effectiveness.	investigation results	in writing;2. Notify Contractor;3. In consolidation	mitigation proposals to IEC and WKCDA;		
Limit Level	1. Inform IEC, WKCDA, 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 WKCDA on remedial measures required; 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.	1. Discuss amongst WKCDA, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the WKCDA accordingly.	lin 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	action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and WKCDA 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 WKCDA 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	WKCDA	Contractor		
Design Check	Design check to make sure the design complies with all the proposed mitigation measures in the EIA report; Prepare and submit	 Check report submitted by ET; Recommend remedial design if necessary. 	Undertake remedial design if necessary.	-		
	report.					
Non-conformity on one occasion	1. Identify source of non-conformity;	1. Check and verify source of non-conformity;	 Notify Contractor; Ensure remedial 	1. Amend working method as necessary;		
	2. Report to IEC and WKCDA;	Discuss remedial actions with ET and Contractor;	actions are properly implemented.	2. Rectify damage and undertake necessary		
	3. Discuss remedial actions with IEC, WKCDA and Contractor;			replacement and remedial actions.		
	4. Monitor remedial actions until rectification has been completed.	remedial actions; 4. Check implementation of remedial actions.				
Repeated non conformity	-1. Identify source of non- conformity;	1. Check and verify source of non-conformity;	 Notify Contractor; Ensure remedial actions are properly implemented. 	1. Amend working method as necessary;		
	2. Report to IEC and WKCDA;	Check Contractor's working method;		2. Rectify damage and undertake necessary		
	3. Increase monitoring frequency;	3. Discuss remedial actions with ET and		replacement and remedial actions.		
	4. Discuss remedial actions with IEC, WKCDA and Contractor;	Contractor; 4. Advise WKCDA on effectiveness of proposed				
	5. Monitor remedial remedial actions; actions until rectification has been completed; remedial actions; 5. Supervise implementation of					
	6. If non-conformity rectified, reduce monitoring frequency back to normal.	remedial actions.				

E. Monitoring Schedule

APRIL 2018

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 AM1 - 24hrTSP*	4 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	•	6	7
8	9	10 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring		12	13	14
15	16 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring		18	19	20 AM1, AM2A - 24hrTSP, 1hr TSP x3	21
22	23	24	25	26 AM1, AM2A - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring		28
29	30					
		AM2A - Austin Road \ NM1A - International (nitoring at AM1 station	Harbourside)	spended due to electri	city issue, the

MAY 2018

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

F. Calibration Certifications

<u>High-Volume TSP Sampler</u> <u>5-Point Calibration Record</u>

Location : AM1(ICC)
Calibrated by : K.T.Ho
Date : 12/02/2018

Sampler

 Model
 :
 TE-5170

 Serial Number
 :
 S/N 0767

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454

 Service Date
 :
 20 Mar 2017

 Slope (m)
 :
 2.08464

 Intercept (b)
 :
 -0.03684

 Correlation Coefficient(r)
 :
 0.99994

Standard Condition

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

Calibration Condition

Pa (hpa) : 1022 Ta(K) : 290

Resi	istance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	11.2	3.408	1.652	58	59.06
2	13 holes	8.2	2.916	1.416	50	50.91
3	10 holes	6.2	2.535	1.234	42	42.76
4	7 holes	4.4	2.136	1.042	34	34.62
5	5 holes	2.6	1.642	0.805	22	22.40

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

Sampler Calibration Relationship

Slope(m):43.329 Intercept(b): -11.344 Correlation Coefficient(r): 0.9972

Checked by: Date: 13/02/2018

Magnum Fan

<u>High-Volume TSP Sampler</u> <u>5-Point Calibration Record</u>

Location : AM1(ICC)
Calibrated by : K.T.Ho
Date : 12/04/2018

Sampler

 Model
 :
 TE-5170

 Serial Number
 :
 S/N 0767

Calibration Orifice and Standard Calibration Relationship

 Serial Number
 : 2454

 Service Date
 : 19 Mar 2018

 Slope (m)
 : 2.05242

 Intercept (b)
 : -0.01383

 Correlation Coefficient(r)
 : 0.99994

Standard Condition

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

Calibration Condition

Pa (hpa) : 1012 Ta(K) : 299

Resistance Plate		dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	10.2	3.187	1.559	58	57.87
2	13 holes	7.5	2.733	1.338	50	49.89
3	10 holes	5.6	2.361	1.157	42	41.91
4	7 holes	3.8	1.945	0.954	34	33.93
5	5 holes	2.6	1.609	0.791	24	23.95

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

Sampler Calibration Relationship

 $Slope(m): \underline{43.447} \qquad \qquad Intercept(b): \underline{-8.889} \qquad \qquad Correlation \ Coefficient(r): \underline{0.9959}$

Checked by: Date: 14/04/2018

Magnum Fan

<u>High-Volume TSP Sampler</u> <u>5-Point Calibration Record</u>

Location : AM2A (Harbourside)

Calibrated by : K.T.Ho
Date : 12/02/2018

Sampler

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

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454

 Service Date
 :
 20 Mar 2017

 Slope (m)
 :
 2.08464

 Intercept (b)
 :
 -0.03684

 Correlation Coefficient(r)
 :
 0.99994

Standard Condition

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

Calibration Condition

Pa (hpa) : 1022 Ta(K) : 290

Resi	istance Plate	dH [green liquid]	Z	X=Qstd	IC	Y
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	11.4	3.438	1.667	62	63.13
2	13 holes	9.0	3.055	1.483	56	57.02
3	10 holes	6.4	2.576	1.253	48	48.87
4	7 holes	4.2	2.087	1.019	36	36.65
5	5 holes	2.2	1.510	0.742	26	26.47

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

Sampler Calibration Relationship

Slope(m): $\underline{40.581}$ Intercept(b): $\underline{-3.598}$ Correlation Coefficient(r): $\underline{0.9973}$

Checked by: Date: 13/02/2018

Magnum Fan

<u>High-Volume TSP Sampler</u> <u>5-Point Calibration Record</u>

Location : AM2A (Harbourside)

Calibrated by : K.T.Ho
Date : 12/04/2018

Sampler

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

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454

 Service Date
 : 19 Mar 2018

 Slope (m)
 : 2.05242

 Intercept (b)
 : -0.01383

 Correlation Coefficient(r)
 : 0.99994

Standard Condition

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

Calibration Condition

Pa (hpa) : 1012 Ta(K) : 299

Paci	stance Plate	dH [green liquid]	7	X=Qstd	IC	V
IXCSI	statice I fate		L	~	_	1 ()
		(inch water)		(cubic meter/min)	(chart)	(corrected)
1	18 holes	12.0	3.457	1.691	60	59.87
2	13 holes	8.2	2.857	1.399	52	51.89
3	10 holes	6.2	2.485	1.217	44	43.90
4	7 holes	4.0	1.996	0.979	34	33.93
5	5 holes	2.4	1.546	0.760	24	23.95

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

Sampler Calibration Relationship

Checked by: Date: 14/04/2018

Magnum Fan



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

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - Ma Operator		Rootsmeter Orifice I.I	-	438320 2454	Ta (K) - Pa (mm) -	293 759.46
PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1 2 3 4 5	NA NA NA NA NA	NA NA NA NA NA	1.00 1.00 1.00 1.00	1.4390 1.0240 0.9170 0.8730 0.7200	3.2 6.4 7.9 8.8 12.8	2.00 4.00 5.00 5.50 8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)		Va	(x axis) Qa	(y axis)
1.0120 1.0078 1.0057 1.0045 0.9992	0.7033 0.9842 1.0967 1.1507 1.3878	1.4257 2.0163 2.2543 2.3643 2.8514		0.9958 0.9916 0.9895 0.9884 0.9831	0.6920 0.9683 1.0791 1.1322 1.3654	0.8784 1.2423 1.3889 1.4567 1.7568
Qstd slop intercept coefficie	(b) =	2.08464 -0.03684 0.99994		Qa slope intercept coefficie	= (b) $=$	1.30 537 -0.02 2 70 0.99994
y axis =	SQRT [H2O (Pa/760)(298/	ra)]	y axis =	SQRT [H20 (7	[a/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 = $1/m\{[SQRT H2O(Ta/Pa)] - b\}$



RECALIBRATION DUE DATE:

March 19, 2019

Certificate of Calibration

Calibration Certification Information

Cal. Date: March 19, 2018

Rootsmeter S/N: 438320

Ta: 294

°K

Operator: Jim Tisch
Calibration Model #:

TE-5025A

Calibrator S/N: 2454

Pa: 746.8 mm Hg

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4300	3.2	2.00
2	3	4	1	1.0040	6.4	4.00
3	5	6	1	0.9030	7.9	5.00
4	7	8	1	0.8590	8.7	5.50
5	9	10	1	0.7080	12.8	8.00

	Data Tabulation									
Vstd	Qstd	$\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}$		Qa	√∆H(Ta/Pa)					
(m3)	(x-axis)	(y-axis)	Va	(x-axis)	(y-axis)					
0.9917	0.6935	1.4113	0.9957	0.6963	0.8874					
0.9874	0.9835	1.9959	0.9914	0.9875	1.2549					
0.9854	1.0913	2.2315	0.9894	1.0957	1.4030					
0.9843	1.1459	2.3405	0.9883	1.1506	1.4715					
0.9789	1.3826	2.8227	0.9829	1.3882	1.7747					
	m=	2.05242		m=	1.28519					
QSTD[b=	-0.01383	QA	b=	-0.00869					
AND THE PERSON NAMED AND THE P	r=	0.99994	7.	r=	0.99994					

	Calculation	ns	
Vstd=	ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	Va=	ΔVol((Pa-ΔP)/Pa)
Qstd=	Vstd/∆Time	Qa=	Va/ΔTime
	For subsequent flow ra	te calculatio	ns:
Qstd=	$1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right)-b\right)$	Qa=	$1/m\left(\left(\sqrt{\Delta H\left(Ta/Pa\right)}\right)-b\right)$

Tstd: 298.15 °K Pstd: 760 mm Hg Key ΔH: calibrator manometer reading (in H2O) ΔP: rootsmeter manometer reading (mm Hg) Ta: actual absolute temperature (°K)		Standard Conditions
Key ΔH: calibrator manometer reading (in H2O) ΔP: rootsmeter manometer reading (mm Hg) Ta: actual absolute temperature (°K)	Tstd:	298.15 °K
ΔH: calibrator manometer reading (in H2O) ΔP: rootsmeter manometer reading (mm Hg) Ta: actual absolute temperature (°K)	Pstd:	760 mm Hg
ΔP: rootsmeter manometer reading (mm Hg) Ta: actual absolute temperature (°K)		Key
Ta: actual absolute temperature (°K)	ΔH: calibrator	manometer reading (in H2O)
	ΔP: rootsmete	er manometer reading (mm Hg)
	Ta: actual abs	olute temperature (°K)
Pa: actual barometric pressure (mm Hg)	Pa: actual bar	ometric pressure (mm Hg)
b: intercept	b: intercept	
m: slope	m: slope	

RECALIBRATION

US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

FAX: (513)467-9009



SIBATA SCIENTIFIC TECHNOLOGY LTD.

1-1-62, Nakane, Soka, Saitama, 340-0005 Japan

TEL: 048-933-1582 FAX: 048-933-1591

CALIBRATION CERTIFICATE

Date: July 27, 2017

Equipment Name

: Digital Dust Indicator, Model LD-3B

Code No. .

: 080000-42

Quantity

:- 1 unit

Serial No.

245833

Sensitivity

: 0.001 mg/m3

Sensitivity Adjustment

: 711CPM

Scale Setting

: Jul 25, 2017

We hereby certify that the avobe mentioned instrment has been calibrated satisfactory.

Sincerely

SIBATA SCIENTIFIC TECHNOLOGY LTD.

Tong Zhang

Overseas Sales Division



REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION

REPORT NO. PROJECT NAME DATE OF ISSUE

HK1710682 PERFORMANCE CHECK / CALIBRATION OF DUST METER

: 21/8/2017

CUSTOMER

: Envirotech Services Company

ADDRESS

: Rm. 113, 1/F., MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T.

REPORT NO.

: HK1710682

PROJECT ITEM NO.

: HK1710682-01

PERFORMANCE CHECK / CALIBRATED EQUIPMENT TYPE

: Digital Dust Indicator

MANUFACTURER MODEL NO.

SIBATA : LD-3B

SERIAL NO.

: 245833

EQUIPMENT NO.

RECEIPT DATE

PERFORMANCE CHECK / CALIBRATION DATE : 18/8/2017

18/8/2017

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

Wong Po Yan Pauline (Assistant Laboratory Manager) Issue Date:

21/8/2017



REPORT OF PERFORMANCE CHECK / CALIBRATION

PERFORMANCE CHECK / CALIBRATION OF DUST METER 21/8/2017

PROJECT NAME DATE OF ISSUE REPORT NO. HK1710682

PERFORMANCE CHECK / CALIBRATED EQUIPMENT

Digital Dust Indicator SIBATA

MANUFACTURER MODEL NO. LD-3B SERIAL NO. EQUIPMENT NO. 245833 SENSITIVITY ADJUSTMENT

PERFORMANCE CHECK / CALIBRATION DATE 18/8/2017

STANDARD EQUIPMENT

TYPE HIGH VOLUME AIR SAMPLER

MANUFACTURER TISCH TE-5170 PTL_HV002 MODEL NO. EQUIPMENT REF NO. LAST CALIBRATION DATE 31/7/2017

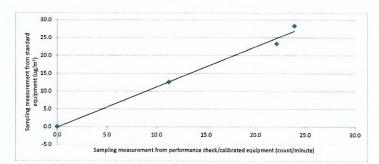
EQUIPMENT PERFORMANCE CHECK / CALIBRATION RESULTS:

Sensitivity Adjustment Scale Setting (Before Performance check / Calibration): 712 CPM Sensitivity Adjustment Scale Setting (After Performance check / Calibration): 712 СРМ

				Concentration in ug/m ³	Total	Concentration in Count/Minute ³
Trial no. in 1-hr period	Time	Mean Temp (°C)	Mean Pressure (hPa)	(Standard equipment)	Count ²	(Performance Check / Calibrated equipment)
				(Y - Axis)	(Performance Check / Calibrated equipment)	(X - Axis)
Zero Check ¹	18/8/2017,1:15:00 PM	30.4	1010	- 0	0	0
1	18/8/2017,2:19:00 PM	30.4	1010	23	1327	22
2	18/8/2017,3:24:00 PM	30.4	1010	28	1434	24
3	18/8/2017,4:29:00 PM	30.4	1010	13	674	11

Linear Regression of Y on X

Slope (K-factor) 1.1 Correlation Coefficient 0.9953 Validity of Performance Check / Calibration Record 18/8/2018



Zero check conducted as per CAL003 SOP and manufacturer's manual as appropriate. Notes: 1.

- 2. Total Count was measured by Digital Dust Indicator.
- 3. Count/minute was calcuated 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.

Date: Operator: Lau, Natalie Signature 18/8/2017

Checked by: Wong Po Yan, Pauline Signature: Date: 21/8/2017



SIBATA SCIENTIFIC TECHNOLOGY LTD.

1-1-62, Nakane, Soka, Saitama, 340-0005 Japan

TEL: 048-933-1582 FAX: 048-933-1591

CALIBRATION CERTIFICATE

Date: July 27, 2017

Equipment Name

: Digital Dust Indicator, Model LD-3B

Code No.

: 080000-42

Quantity

: 1 unit

Serial No.

: 276015

Sensitivity

: 0.001 mg/m3

Sensitivity Adjustment

: 721CPM

Scale Setting

: Jul 6, 2017

We hereby certify that the avobe mentioned instrment has been calibrated satisfactory.

Sincerely

SIBATA SCIENTIFIC TECHNOLOGY LTD.

Tong Zhang

Overseas Sales Division



REPORT OF EQUIPMENT PERFORMANCE CHECK / CALIBRATION

REPORT NO. PROJECT NAME

DATE OF ISSUE

HK1710683 PERFORMANCE CHECK / CALIBRATION OF DUST METER

21/8/2017

CUSTOMER

Envirotech Services Company

ADDRESS

: Rm. 113, 1/F., MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T.

REPORT NO.

: HK1710683

PROJECT ITEM NO.

HK1710683-01

TYPE

PERFORMANCE CHECK / CALIBRATED EQUIPMENT Digital Dust Indicator

MANUFACTURER MODEL NO.

SIBATA LD-3B

SERIAL NO.

276015

EQUIPMENT NO.

18/8/2017

RECEIPT DATE

PERFORMANCE CHECK / CALIBRATION DATE: 18/8/2017

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

Wong Po Yan Pauline (Assistant Laboratory Manager) Issue Date:

21/8/2017



REPORT OF PERFORMANCE CHECK / CALIBRATION

PERFORMANCE CHECK / CALIBRATION OF DUST METER 21/8/2017

PROJECT NAME DATE OF ISSUE REPORT NO.

HK1710683

PERFORMANCE CHECK / CALIBRATED EQUIPMENT

Digital Dust Indicator SIBATA

MANUFACTURER MODEL NO. LD-3B SERIAL NO. EQUIPMENT NO. 276015 SENSITIVITY ADJUSTMENT 18/8/2017

PERFORMANCE CHECK / CALIBRATION DATE

STANDARD EQUIPMENT

HIGH VOLUME AIR SAMPLER

MANUFACTURER TISCH TE-5170 MODEL NO. EQUIPMENT REF NO. PTL_HV002 LAST CALIBRATION DATE 31/7/2017

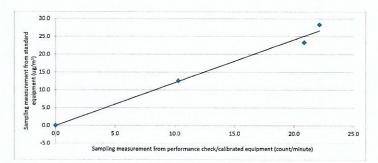
EQUIPMENT PERFORMANCE CHECK / CALIBRATION RESULTS:

Sensitivity Adjustment Scale Setting (Before Performance check / Calibration): 721 СРМ Sensitivity Adjustment Scale Setting (After Performance check / Calibration): 721 _CPM

			Mean Pressure (hPa)	Concentration in ug/m ³	Total	Concentration in Count/Minute ³ (Performance Check / Calibrated equipment)	
Trial no. in 1-hr period Time	Time	Mean Temp (°C)		(Standard equipment)	Count ²		
			(Y - Axis)	(Performance Check / Calibrated equipment)	(X - Axis)		
Zero Check ¹	18/8/2017,1:15:00 PM	30.4	1010	- 0	0	0	
1	18/8/2017,2:19:00 PM	30.4	1010	23	1252	21	
2	18/8/2017,3:24:00 PM	30.4	1010	28	1329	22	
3	18/8/2017,4:29:00 PM	30.4	1010	13	618	10	

Linear Regression of Y on X

Slope (K-factor) 1.2 Correlation Coefficient 0.9937 18/8/2018 Validity of Performance Check / Calibration Record



Notes: 1. Zero check conducted as per CAL003 SOP and manufacturer's manual as appropriate.

- 2. Total Count was measured by Digital Dust Indicator.
- Count/minute was calcuated by (Total Count/60) 3.
- 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: Lau, Natalie Signature: Date: 18/8/2017

Checked by: Wong Po Yan, Pauline Signature: Date: 21/8/2017



Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration 校正證書

C174093

證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號: IC17-1613)

Date of Receipt / 收件日期: 11 July 2017

Certificate No.:

Description / 儀器名稱

Precision Integrating Sound Level Meter

Manufacturer / 製造商

Rion

Model No. / 型號 Serial No./編號

NL-18 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 :

 $(23 \pm 2)^{\circ}$ C

Relative Humidity / 相對濕度 :

 $(55 \pm 20)\%$

Line Voltage / 電壓 :

TEST SPECIFICATIONS / 測試規範

Calibration

DATE OF TEST / 測試日期

22 July 2017

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.

The results do not exceed manufacturer's specification. (after adjustment)

The results are detailed in the subsequent page(s).

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

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

Tested By

測試

核證

HT Wong

Technical Officer

Certified By

K C Lee Engineer Date of Issue 簽發日期

24 July 2017

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所書面批准。



Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration

校正證書

Certificate No.:

C174093

證書編號

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

Equipment ID CL280 CL281

Description 40 MHz Arbitrary Waveform Generator Multifunction Acoustic Calibrator

Certificate No. C170048 PA160023

- 5. Test procedure: MA101N.
- 6. Results:
- 6.1 Sound Pressure Level
- 6.1.1 Reference Sound Pressure Level

6.1.1.1 Before Adjustment

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

^{*} Out of IEC 60651 Type 1 Spec.

6.1.1.2 After Adjustment

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

6.1.2 Linearity

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

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

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

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6.2 Time Weighting

6.2.1 Continuous Signal

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

6.2.2 Tone Burst Signal (2 kHz)

	UU	T Setting		. Applied Value		UUT	IEC 60651 Type 1
Range	Mode	Frequency	Time	Level	Burst	Reading	Spec.
(dB)		Weighting	Weighting	(dB)	Duration	(dB)	(dB)
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

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

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6.3.2 C-Weighting

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

6.4 Time Averaging

	UUT Setting			Applied Value					UUT	IEC 60804
Range (dB)	Mode	Frequency Weighting	Integrating Time	Freq. (kHz)	Burst Duration	Burst Duty	Burst Level	Equivalent Level	Reading (dB)	Type 1 Spec.
					(ms)	Factor	(dB)	(dB)		(dB)
50 - 110	LAeq	A	10 sec.	4	1	1/10	110	100	100.1	± 0.5
						1/10 ²		90	90.1	± 0.5
			60 sec.			1/103		80	79.5	± 1.0
			5 min.			1/104		70	69.8	± 1.0

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Certificate No.: C174093

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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 $: 31.5 \text{ Hz} - 125 \text{ Hz} : \pm 0.35 \text{ dB}$

 $\begin{array}{lll} 250 \ Hz - 500 \ Hz & : \pm 0.30 \ dB \\ 1 \ kHz & : \pm 0.20 \ dB \\ 2 \ kHz - 4 \ kHz & : \pm 0.35 \ dB \\ 8 \ kHz & : \pm 0.45 \ dB \end{array}$

12.5 kHz : \pm 0.70 dB

 $\begin{array}{lll} 104~\text{dB} & : 1~\text{kHz} & : \pm 0.10~\text{dB}~\text{(Ref. 94 dB)} \\ 114~\text{dB} & : 1~\text{kHz} & : \pm 0.10~\text{dB}~\text{(Ref. 94 dB)} \\ \text{Burst equivalent level} & : \pm 0.2~\text{dB}~\text{(Ref. 110 dB)} \\ & \text{continuous sound level)} \end{array}$

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

Note:

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

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



Sun Creation Engineering Limited

Calibration and Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C174092

證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號: IC17-1613)

Date of Receipt / 收件日期: 11 July 2017

Description / 儀器名稱 :

Sound Level Calibrator

Manufacturer / 製造商 Model No. / 型號

Rion NC-73

Serial No. / 編號

10786708

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 : $(23 \pm 2)^{\circ}$ 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

22 July 2017

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.

The results do not exceed manufacturer's specification.

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

HT Wong Technical Officer

Certified By 核證

Date of Issue 簽發日期

24 July 2017

Lee Engineer

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 laborator 本證書所載校正用之測試器材均可測源至國際標準。局部經印本證書需先獲本實驗所書面批准。



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Certificate of Calibration 校正證書

Certificate No.: C174092

證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.

2. The results presented are the mean of 3 measurements at each calibration point.

3. Test equipment:

Equipment ID CL130 CL281 TST150A <u>Description</u>
Universal Counter
Multifunction Acoustic Calibrator
Measuring Amplifier

Certificate No. C173864 PA160023 C161175

4. Test procedure: MA100N.

5. Results:

5.1 Sound Level Accuracy

UUT	Measured Value	Mfr's Spec.	Uncertainty of Measured Value
Nominal Value	(dB)	(dB)	(dB)
94 dB, 1 kHz	94.0	± 0.5	± 0.2

5.2 Frequency Accuracy

UUT Nominal Value	Measured Value	Mfr's	Uncertainty of Measured Value (Hz)
(kHz)	(kHz) 0.986	Spec. 1 kHz ± 2 %	± 1

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

Note:

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

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

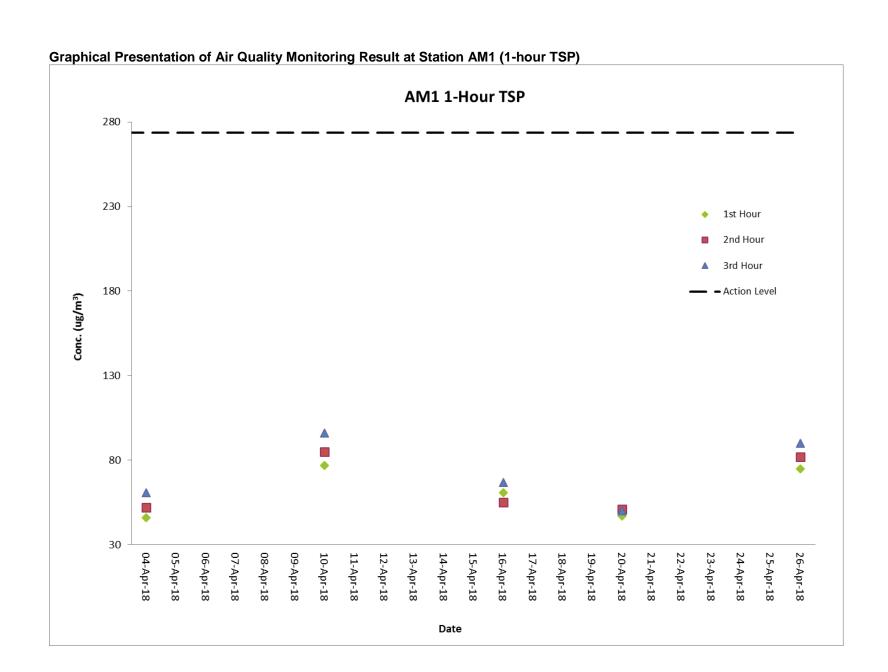
The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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G. Graphical Plots of the Monitoring Results

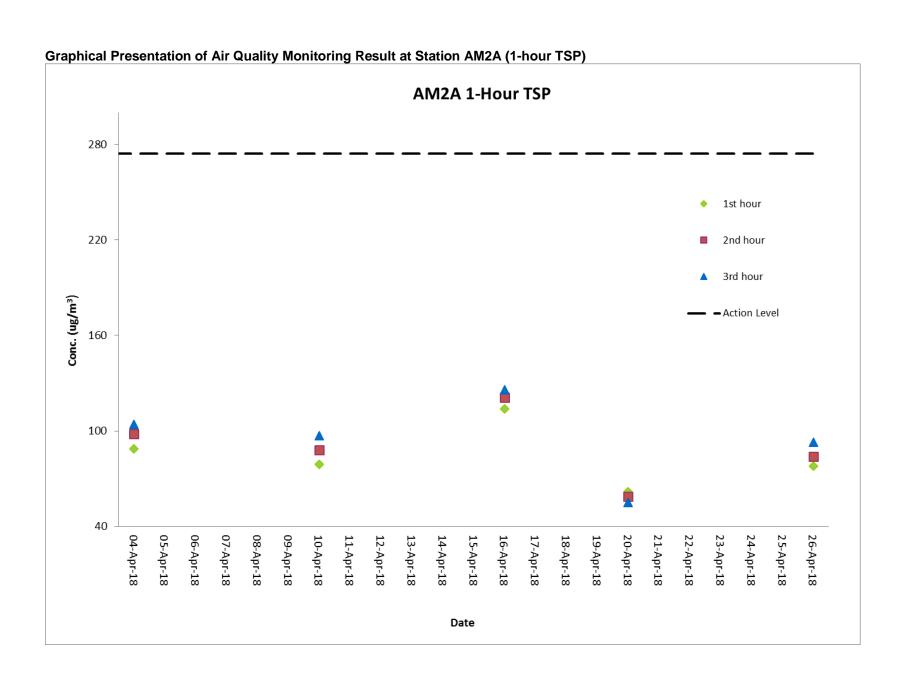
Air Quality Monitoring Result at Station AM1 (1-hour TSP)

					Conc. (µg/m3	Action	Limit	
	Weather						Level	Level
Date	Condition	Tir	ne	1st Hour	2nd Hour	3rd Hour	(µg/m3)	(µg/m3)
04-Apr-18	Sunny	10:44 -	16:00	46	52	61	273.7	500
10-Apr-18	Sunny	10:42 -	16:00	77	85	96	273.7	500
16-Apr-18	Cloudy	10:47	16:00	61	55	67	273.7	500
20-Apr-18	Cloudy	7:52 -	10:52	47	51	50	273.7	500
26-Apr-18	Cloudy	10:47 -	16:00	75	82	90	273.7	500



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

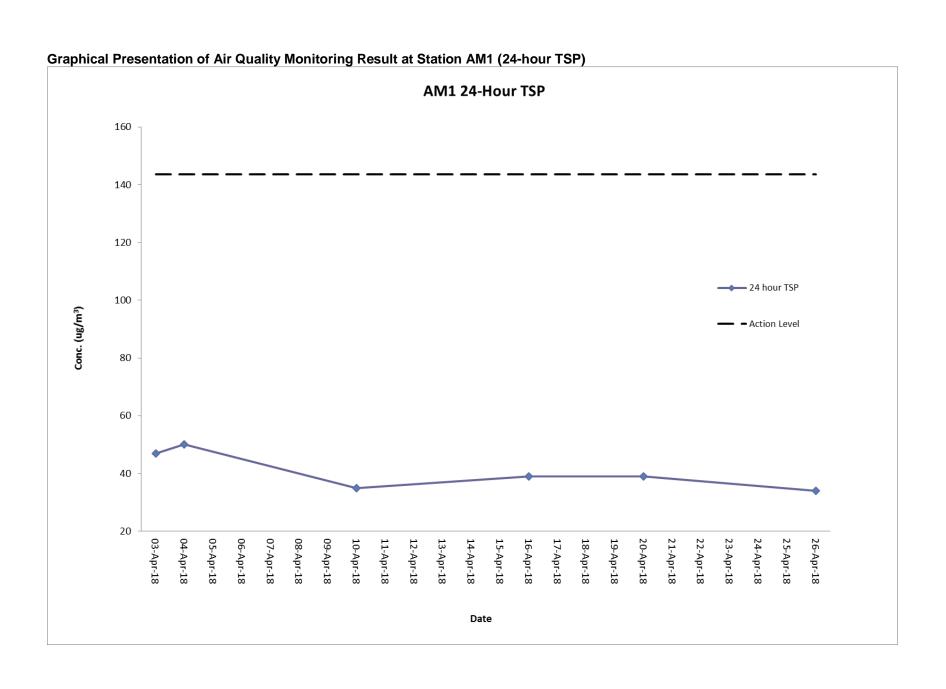
					Conc. (µg/m3	Action	Limit	
	Weather						Level	Level
Date	Condition	Tim	e	1st Hour	2nd Hour	3rd Hour	(μg/m3)	(µg/m3)
04-Apr-18	Sunny	10:56 -	16:10	89	98	104	274.2	500
10-Apr-18	Sunny	10:55 -	11:05	79	88	97	274.2	500
16-Apr-18	Cloudy	11:00 -	16:10	114	121	126	274.2	500
20-Apr-18	Cloudy	8:04 -	16:10	62	59	55	274.2	500
26-Apr-18	Cloudy	11:00 -	16:10	78	84	93	274.2	500



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

Start		Finisl	h	_	Neight 3)	•	d Time ding	Sampling	Flow Rate (m³/min)		Flow Rate (m³/min)		Flow Rate (m³/min) Con		Weather	Action	Limit
Date	Time	Date	Time	Initial	Final	Initial	Final	Time (hrs)	Initial	Final	Average	(μg/m³)	Condition	Level	Level		
03-Apr-18*	08:08	04-Apr-18	08:08	2.7317	2.8158	22440.38	22464.38	24	1.23	1.23	1.23	47	Cloudy	143.6	260		
04-Apr-18	10:42	05-Apr-18	10:42	2.8681	2.9574	22464.38	22488.38	24	1.23	1.23	1.23	50	Sunny	143.6	260		
10-Apr-18	10:40	11-Apr-18	10:40	2.8462	2.9088	22488.38	22512.38	24	1.23	1.23	1.23	35	Sunny	143.6	260		
16-Apr-18	10:45	17-Apr-18	10:45	2.856	2.9239	22512.38	22536.38	24	1.22	1.22	1.22	39	Cloudy	143.6	260		
20-Apr-18	07:50	21-Apr-18	07:50	2.8418	2.91	22536.38	22560.38	24	1.22	1.22	1.22	39	Cloudy	143.6	260		
26-Apr-18	10:45	27-Apr-18	10:45	2.8560	2.9156	22560.38	22584.38	24	1.22	1.22	1.22	34	Cloudy	143.6	260		

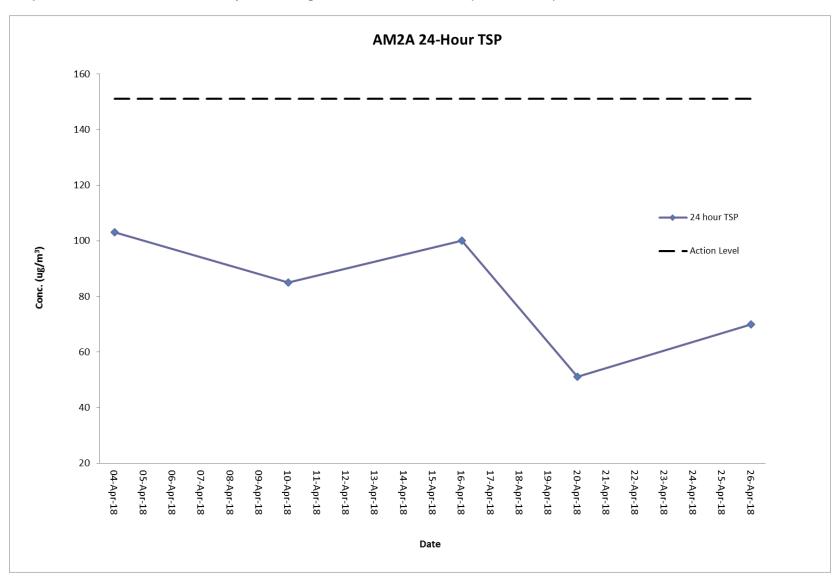
Remarks: *24-hour TSP impact monitoring at AM1 station on 29/03/2018 was suspended due to electricity issue, the monitoring was rescheduled to 03/04/2018.



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

Start	t	Finish	n	Filter \	Weight	•	d Time ding	Sampling	Flow Rate (m3/min)		Flow Rate (m3/min) Conc.		Weather	Action	Limit
Date	Time	Date	Time	Initial	Final	Initial	Final	Time (hrs)	Initial	Final	Average	(μg/m3)	Condition	Level	Level
04-Apr-18	10:54	05-Apr-18	10:54	2.8391	3.0208	18119.59	18143.59	24	1.22	1.22	1.22	103	Sunny	151.1	260
10-Apr-18	10:52	11-Apr-18	10:52	2.8704	3.0194	18143.59	18167.59	24	1.22	1.22	1.22	85	Sunny	151.1	260
16-Apr-18	10:57	17-Apr-18	10:57	2.8896	3.0689	18167.59	18191.59	24	1.24	1.24	1.24	100	Cloudy	151.1	260
20-Apr-18	08:02	21-Apr-18	08:02	2.8593	2.9510	18191.59	18215.59	24	1.24	1.24	1.24	51	Cloudy	151.1	260
26-Apr-18	10:57	27-Apr-18	10:57	2.8741	2.9983	18215.59	18239.59	24	1.24	1.24	1.24	70	Cloudy	151.1	260

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



Noise Monitoring Result at Station NM1A

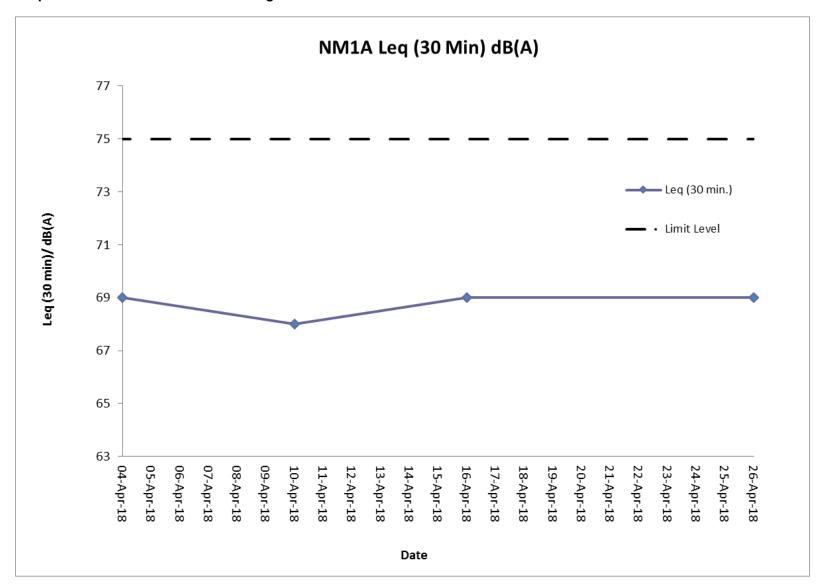
Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
04-Apr-18	14:00	67.4	63.1	
04-Apr-18	14:05	68.3	64.1	
04-Apr-18	14:10	66.9	62.7	CO
04-Apr-18	14:15	67.5	63.4	69
04-Apr-18	14:20	68.0	64.1	
04-Apr-18	14:25	67.9	63.9	
10-Apr-18	14:00	66.0	62.1	
10-Apr-18	14:05	68.2	64.0	
10-Apr-18	14:10	67.9	63.4	68
10-Apr-18	14:15	68.4	64.3	80
10-Apr-18	14:20	66.4	62.5	
10-Apr-18	14:25	66.7	62.9	
16-Apr-18	14:00	67.0	62.1	
16-Apr-18	14:05	68.4	64.7	
16-Apr-18	14:10	67.9	63.7	60
16-Apr-18	14:15	68.4	63.9	69
16-Apr-18	14:20	66.9	62.5	
16-Apr-18	14:25	67.7	63.0	
26-Apr-18	14:00	68.4	63.8	
26-Apr-18	14:05	67.9	62.7	
26-Apr-18	14:10	66.7	62.4	60
26-Apr-18	14:15	67.9	63.9	69
26-Apr-18	14:20	68.2	63.9	
26-Apr-18	14:25	68.7	64.0	

Remarks:

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

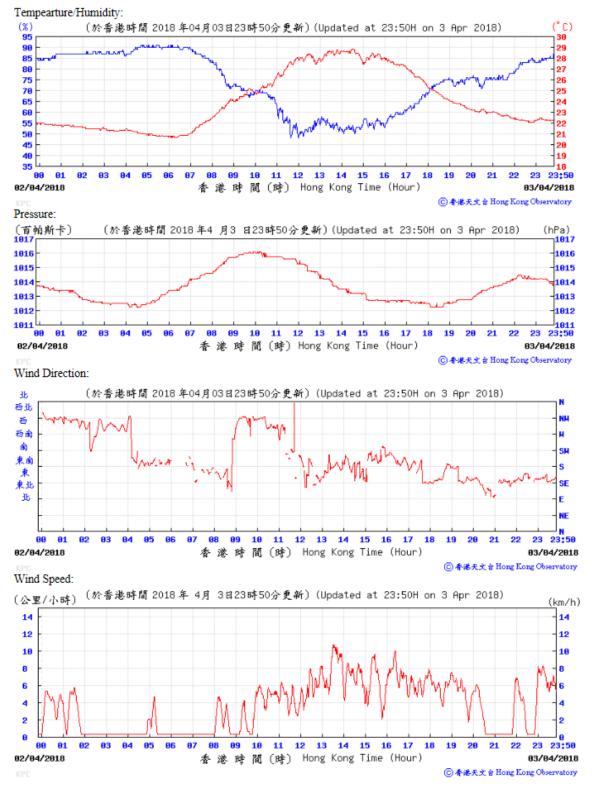


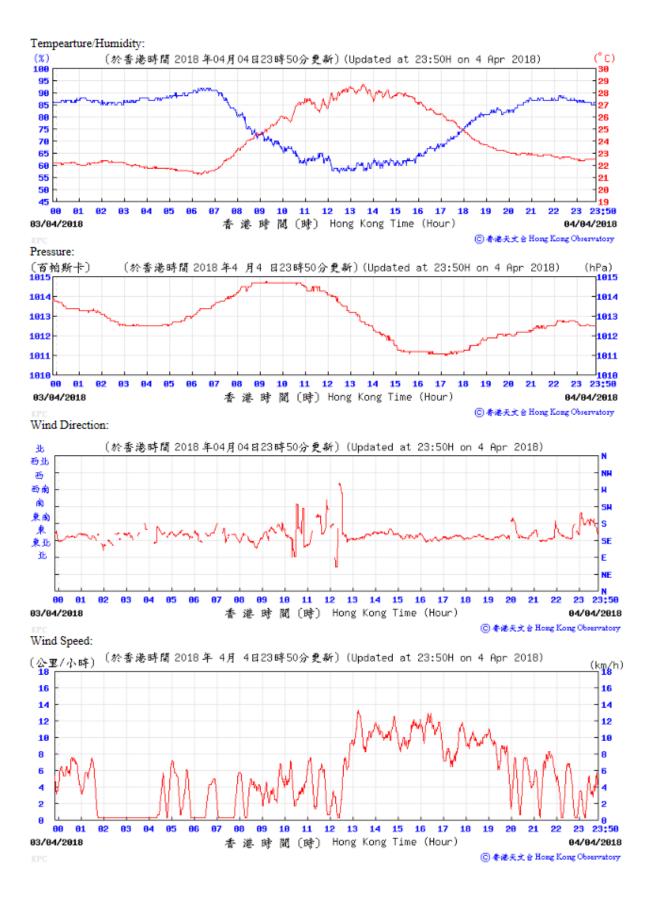
The station set-up of a free-field measurement at Station NM1A.

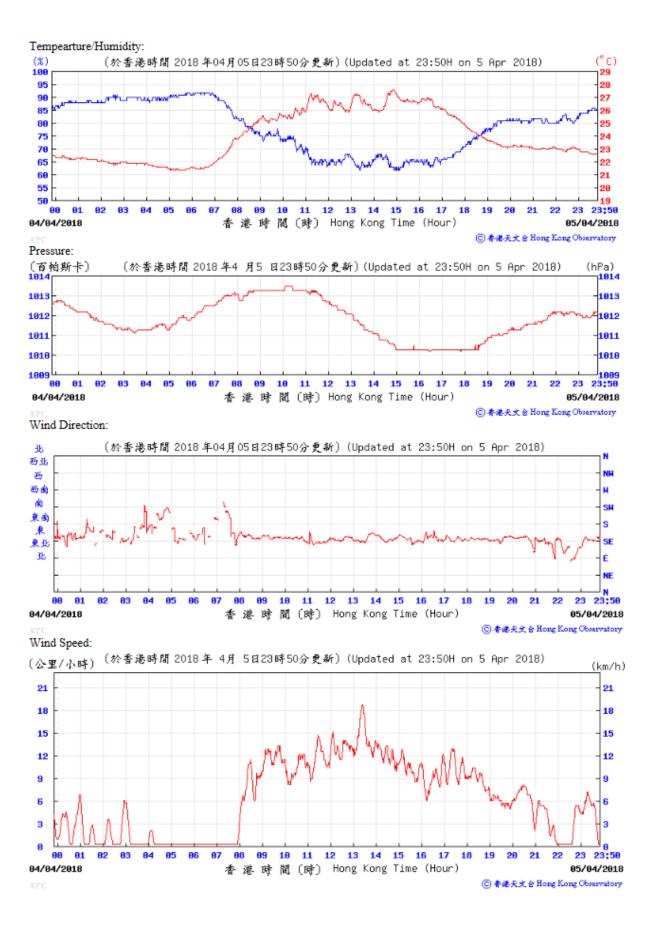


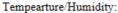
H. Meteorological Data Extracted from Hong Kong Observatory

Extract of Meteorological Observations for King's Park Automatic Weather Station, April 2018



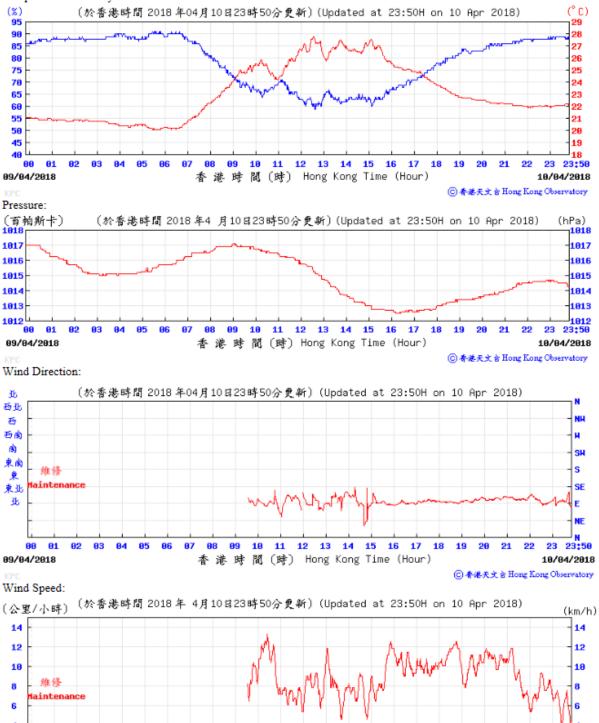






00 01

09/04/2018



11 12 13 14 15 16 17

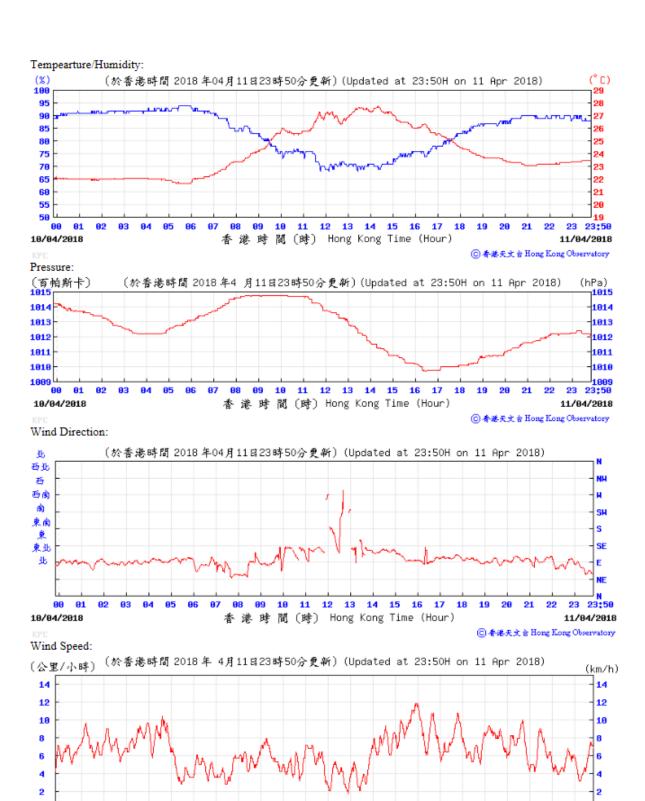
香港時間 (時) Hong Kong Time (Hour)

23 23:50

10/04/2018

◎ 香港天文台 Hong Kong Observatory

08 09 10



10 11 12 13 14 15 16 17 18

香港時間(時) Hong Kong Time (Hour)

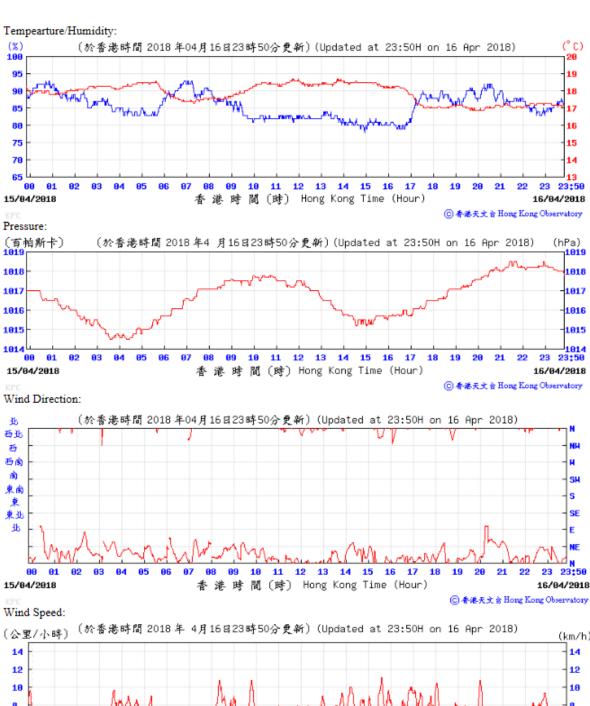
23:50

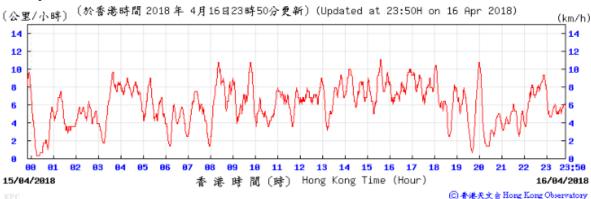
11/04/2018

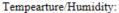
⑥香港天文 à Hong Kong Observatory

00 01

10/04/2018





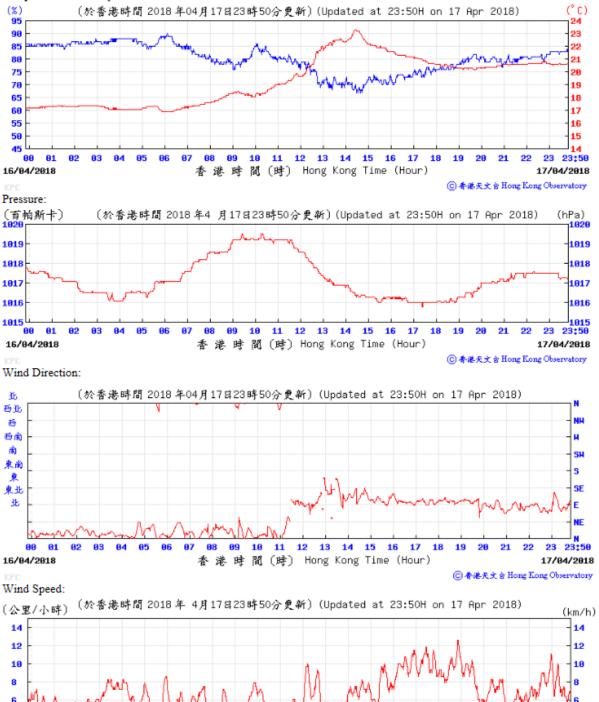


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99

16/04/2018

03 04 05 06



10 11 12 13 14

香港時間(時) Hong Kong Time (Hour)

15 16 17 18

19

21

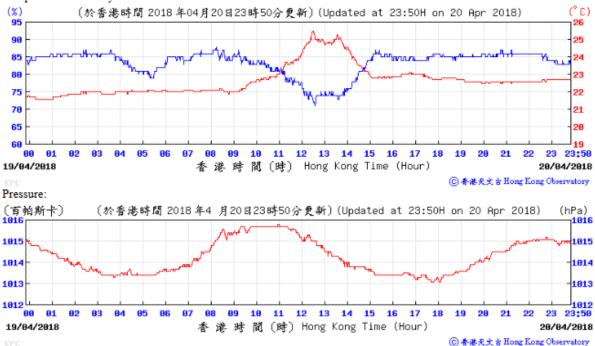
⑥ 香港天文 à Hong Kong Observatory

2

17/04/2018

23 23:50



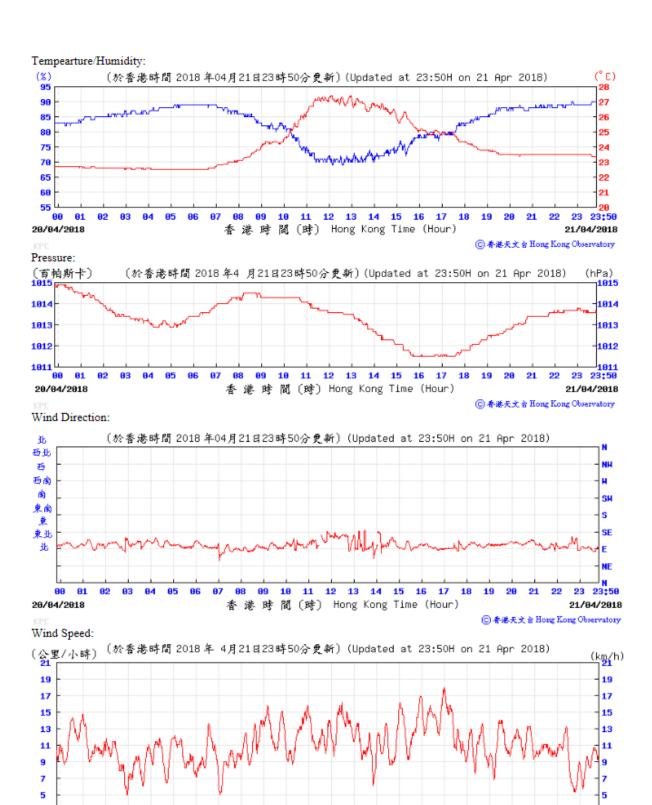


Wind Direction:



Wind Speed:





88 89 10 11 12 13 14 15 16 17 18

香港時間 (時) Hong Kong Time (Hour)

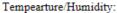
23 23:50

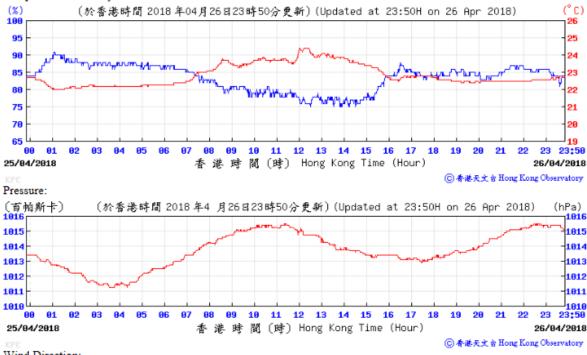
21/04/2018

⑥ 香港天文台 Hong Kong Observatory

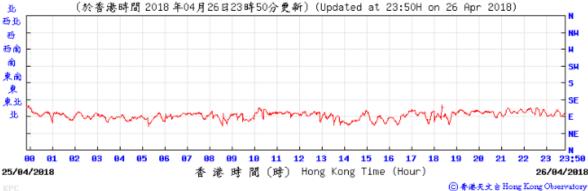
01

20/04/2018

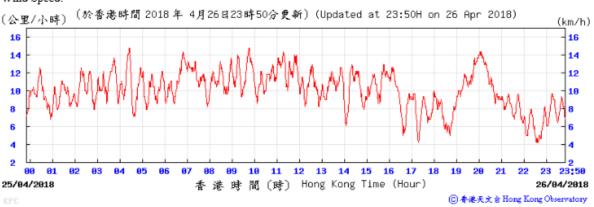


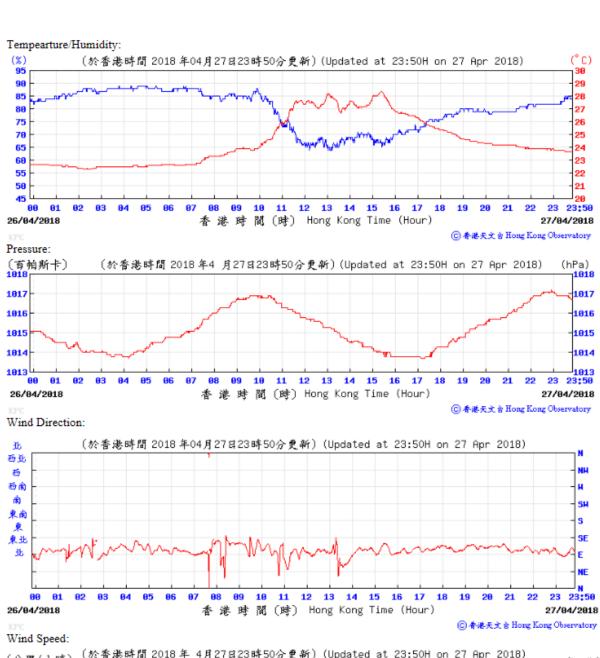


Wind Direction:

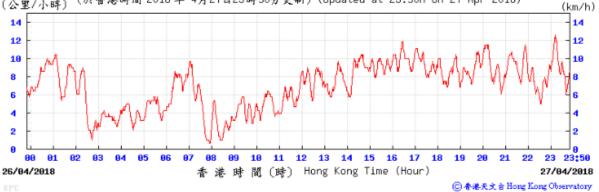


Wind Speed:





(於香港時間 2018 年 4月27日23時50分更新) (Updated at 23:50H on 27 Apr 2018) (公里/小時)



I. Waste Flow table

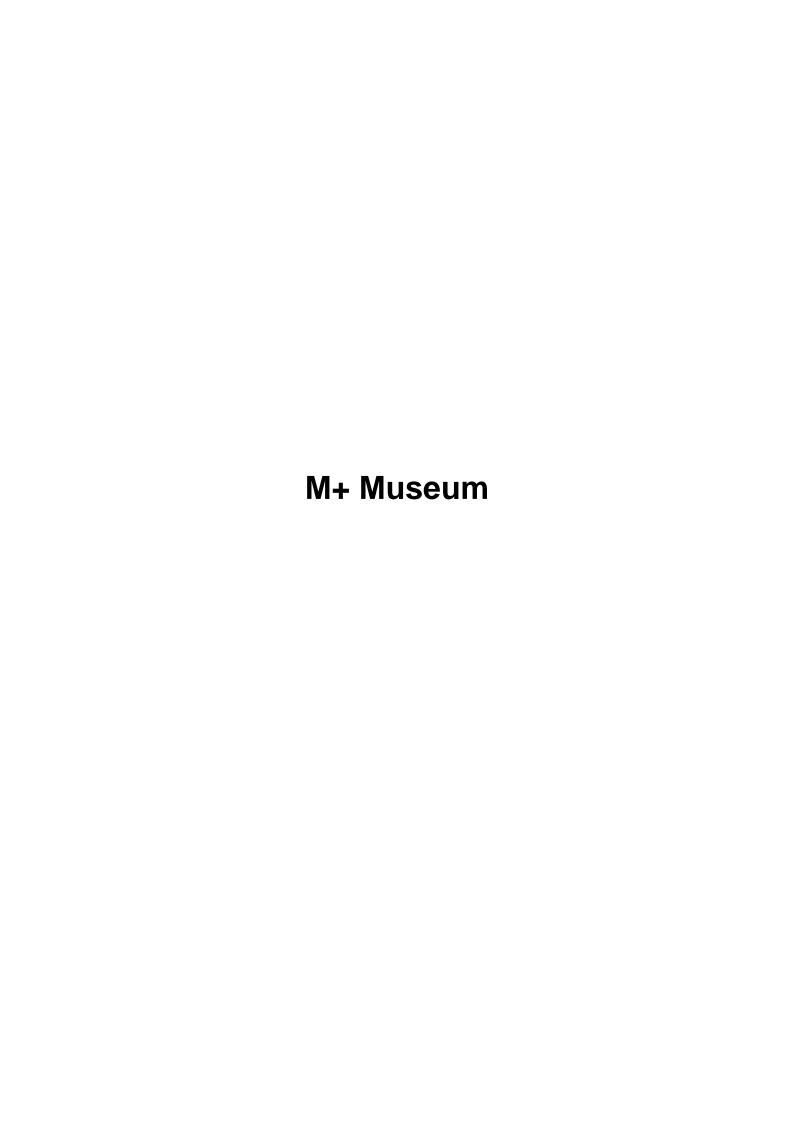


Table I-1: Monthly Waste Flow Table for M+ Museum

Table I-1: I	Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Generated Monthly Actual Quantities of C&D Wastes Generated Monthly							,, <u> </u>					
		Actual Qua	intities of the	rt C&D Mater	iais Generat	ea Monthly •		/	Actual Quanti	ties of C&D v	vastes Gene	rated Month	У
Month	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
2015													
Nov	46607.4	0.0	0.0	8240.0	38367.4	0.0	0.0	76.2	0.0	0.0	0.0	0.0	67.6
Dec	29652.9	0.0	0.0	29621.4	31.5	0.0	0.0	26.3	0.0	0.0	0.0	1.0	66.0
Sub-total (2015)	76260.3	0.0	0.0	37861.4	38398.9	0.0	0.0	102.5	0.0	0.0	0.0	1.0	133.6
2016													
Jan	21077.4	0.0	6352.0	14576.0	149.4	0.0	0.0	18.8	0.0	0.0	0.0	0.0	23.2
Feb	7626.2	0.0	3424.0	4048.0	154.2	0.0	0.0	59.8	0.0	0.0	0.0	0.0	20.5
Mar	10442.5	0.0	1600.0	7888.0	954.5	0.0	0.0	29.7	0.0	0.0	0.0	0.0	46.3
Apr	30413.2	0.0	6352.0	23408.0	653.2	0.0	0.0	25.8	0.1	0.0	27.8	0.0	34.5
May	24083.5	0.0	112.0	23216.0	755.5	0.0	0.0	61.5	0.4	0.0	33.6	0.0	62.3
Jun	7880.1	0.0	4736.0	2384.0	760.1	0.0	0.0	106.6	0.1	0.0	14.6	0.0	52.8
Jul	5893.1	0.0	2656.0	2240.0	997.1	0.0	0.0	77.6	0.0	0.0	33.6	0.0	83.1
Aug	13709.6	0.0	0.0	12432.0	1277.6	0.0	0.0	111.3	0.2	0.0	38.5	0.0	104.9
Sep	6702.0	0.0	0.0	5648.0	1000.1	53.9	0.0	104.2	0.0	0.0	45.5	0.2	107.9
Oct	2103.6	0.0	0.0	496.0	1595.4	12.2	0.0	83.0	0.4	0.0	73.5	0.0	108.2
Nov	3302.7	0.0	0.0	2384.0	855.5	63.2	0.0	88.4	0.6	0.0	63.0	0.0	129.1
Dec	899.8	0.0	0.0	736.0	126.8	37.0	0.0	48.3	0.6	0.0	70.0	0.0	89.0
Sub-total (2016)	134133.5	0.0	25232.0	99456.0	9279.3	166.3	0.0	814.9	2.3	0.0	400.1	0.2	861.8
2017													
Jan	675.2	0.0	0.0	432.0	237.9	5.3	0.0	79.5	1.0	0.0	70.0	0.0	79.7
Feb	927.7	0.0	0.0	768.0	125.6	34.0	0.0	70.5	0.6	0.0	84.0	0.0	81.4
Mar	1856.7	0.0	0.0	1280.0	466.9	109.8	0.0	62.8	0.4	0.0	98.0	0.0	148.5
Apr	642.4	0.0	0.0	160.0	324.9	157.5	0.0	87.5	0.7	0.0	175.0	0.0	102.5
May	1118.2	0.0	0.0	528.0	416.4	173.7	0.0	118.3	0.0	0.0	280.0	0.0	139.0
June	650.0	0.0	0.0	0.0	451.6	198.4	0.0	199.7	1.4	0.0	350.0	0.0	98.7
Jul	1762.0	0.0	0.0	0.0	1466.6	295.4	0.0	36.9	1.2	0.0	244.0	0.0	164.2
Aug	1231.5	0.0	0.0	0.0	867.5	364.0	0.0	50.9	0.9	0.0	59.0	0.0	186.9
Sep	1681.7	0.0	0.0	0.0	1342.0	339.7	0.0	52.3	0.7	0.0	77.0	0.0	265.3
Oct	483.6	0.0	0.0	0.0	242.5	241.1	0.0	374.8	0.6	0.0	24.1	0.0	128.5
Nov	822.8	0.0	0.0	0.0	344.5	478.3	0.0	948.5	0.7	0.0	140.0	0.2	219.1

		Actual Qua	antities of Ine	rt C&D Mate	rials Generat	ed Monthly		,	Actual Quanti	ties of C&D V	Vastes Gene	rated Monthl	у
Month	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
Dec	601.3	0.0	0.0	0.0	236.2	365.1	0.0	903.6	0.8	0.0	320.0	0.0	241.9
Sub-total (2017)	12453.0	0.0	0.0	3168.0	6522.6	2762.4	0.0	2985.3	8.9	0.0	1921.1	0.2	1855.5
2018													
Jan	1015.3	0.0	0.0	0.0	574.1	441.2	0.0	773.3	1.5	0.0	100.0	0.0	183.6
Feb	847.6	0.0	0.0	0.0	608.3	239.3	0.0	34.0	1.0	0.0	25.0	0.0	154.9
Mar	1507.0	0.0	0.0	0.0	1102.1	404.9	0.0	39.5	1.5	0.0	120.0	0.0	264.1
Apr	2942.8	0.0	0.0	0.0	2542.4	400.4	0.0	60.1	0.3	0.0	50.0	0.0	252.5
Sub-total (2018)	6312.6	0.0	0.0	0.0	4826.8	1485.7	0.0	907.0	4.3	0.0	295.0	0.0	855.1
Total	229159.4	0.0	25232.0	140485.4	59027.6	4414.4	0.0	4809.7	15.6	0.0	2616.2	1.4	3706.0

Note:

- -65.96 tonnes, 280.00 tonnes and 2,196.43 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 in the reporting month.
- -For inert C&D materials reused in other projects, the projects refer to (1) Green Valley; (2) Advance Works for Shek Wu Hui Sewage Treatment Works (3) Design and Construction of Kai Tak Cable Tunnel, CLP; (4) MTR Contract 1002 Whampoa Station and Overrun Tunnel; (5) CEDD Tuen Mun Area 54 Contract No. CV/2015/03; (6) Union Construction Ltd.'s site; (7) Foundation Works at Marriot Hotel at Ocean Park.
- -Quantities of waste materials generated for the previous reporting months have been updated by Contractor.

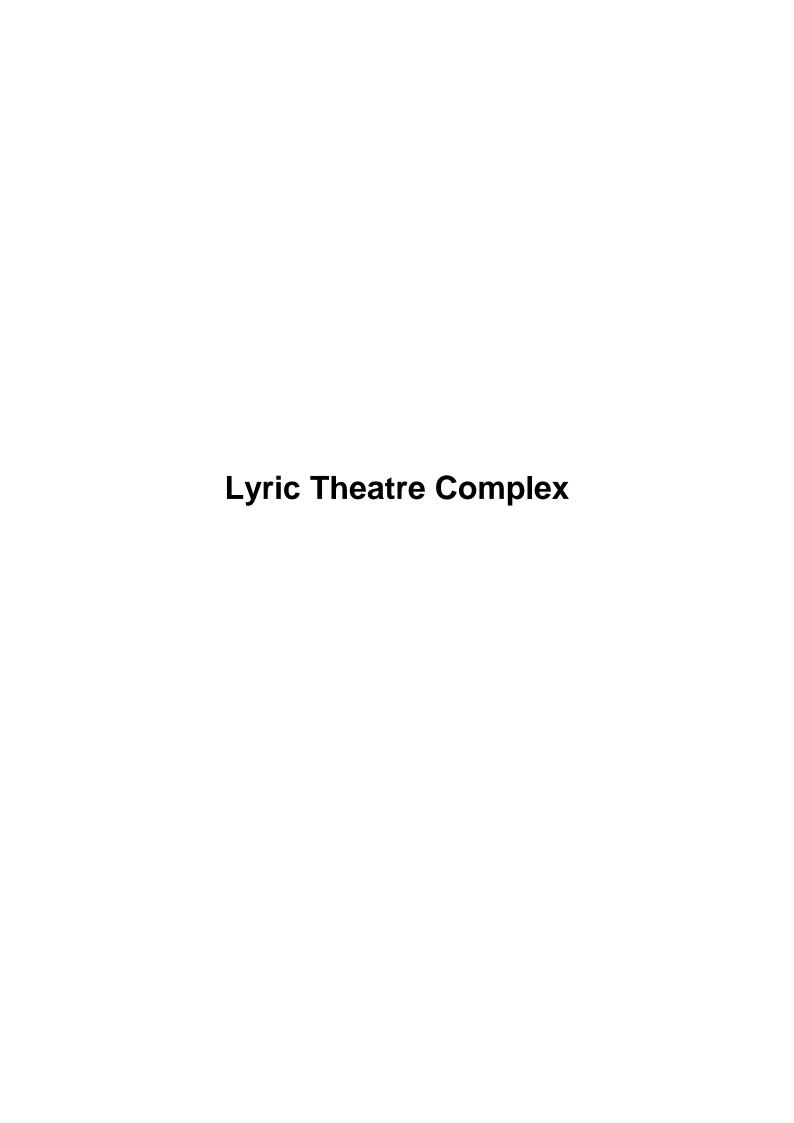


Table I-2: Monthly Waste Flow Table for Lyric Theatre Complex

	Actual Quantities of Inert C&D Materials Generated Monthly Actual Quantities of C&D Wastes Generated Monthly								Actual Quant	ities of C&D \	Vastes Gener	ated Monthly	
Month	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facilty	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
2016													
Mar	2702.1	0.0	0.0	0.0	2702.1	0.0	0.0	4.5	0.1	0.0	0.0	0.0	30.6
Apr	8631.5	0.0	0.0	0.0	8631.5	0.0	0.0	16.0	0.0	0.0	0.0	0.0	19.2
May	12487.8	0.0	0.0	0.0	12487.8	0.0	0.0	34.0	0.0	0.0	0.0	0.7	60.5
Jun	8600.8	0.0	0.0	0.0	8600.8	0.0	0.0	31.4	0.2	0.0	0.0	0.5	13.5
Jul	12624.2	0.0	0.0	0.0	12624.2	0.0	0.0	19.6	0.0	0.0	0.0	2.0	9.9
Aug	14419.9	0.0	0.0	0.0	14419.9	0.0	0.0	43.9	0.0	0.0	0.0	0.0	11.1
Sep	13671.3	0.0	0.0	0.0	13671.3	0.0	0.0	59.8	0.0	0.0	0.0	1.6	12.4
Oct	13088.9	0.0	0.0	0.0	13088.9	0.0	0.0	36.9	0.2	1.5	0.0	0.0	15.2
Nov	12424.7	0.0	0.0	0.0	12424.7	0.0	0.0	74.7	0.0	0.0	0.0	1.4	10.2
Dec	12487.6	0.0	0.0	0.0	12487.6	0.0	0.0	13.9	0.0	0.0	0.0	1.3	9.0
Sub-total (2016)	111138.8	0.0	0.0	0.0	111138.8	0.0	0.0	334.5	0.4	1.5	0.0	7.6	191.6
2017		•			•						•		•
Jan	9607.8	0.0	0.0	0.0	9607.8	0.0	0.0	29.5	0.0	0.0	0.0	0.0	7.3
Feb	9108.2	0.0	0.0	0.0	9108.2	0.0	0.0	50.2	0.2	0.0	0.0	0.7	9.8
Mar	11361.7	0.0	0.0	0.0	11361.7	0.0	0.0	16.1	0.0	0.0	0.0	1.4	8.5
Apr	2591.5	0.0	0.0	0.0	2591.5	0.0	0.0	35.7	0.0	0.0	0.0	0.0	4.7
May	2579.3	0.0	0.0	99.0	2480.3	0.0	0.0	20.9	0.1	0.0	0.0	0.5	10.0
Jun	476.0	0.0	0.0	341.0	129.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	7.6
Jul	3419.0	0.0	0.0	804.0	2615.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8
Aug	3730.9	0.0	0.0	1377.5	2353.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
Sep	2108.2	0.0	0.0	1133.5	974.7	0.0	0.0	34.6	0.2	0.0	0.0	0.0	10.8
Oct	9159.0	0.0	0.0	7868.0	1291.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	9.3
Nov	5095.4	0.0	0.0	4352.0	725.2	18.1	0.0	0.0	0.0	0.0	0.0	0.0	38.8
Dec	3856.2	0.0	0.0	3076.0	780.2	0.0	0.0	0.0	0.2	0.0	0.0	0.4	8.4
Sub-total (2017)	63093.1	0.0	0.0	19051.0	44018.7	23.4	0.0	187.1	0.7	0.0	0.0	3.8	137.3

		Actual Qu	uantities of Ine	rt C&D Mater	ials Generate	d Monthly			Actual Quant	ities of C&D V	Vastes Gener	ated Monthly	
Month	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facilty	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
2018		-	-		-	-	-		-		-	-	
Jan	4083.7	0.0	0.0	1455.0	2628.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Mar	5959.2	0.0	0.0	5610.1	349.1	0.0	0.0	0.0	0.0	0.0	0.0	600.0	17.6
Apr	10854.2	0.0	0.0	8878.0	1976.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6
Sub-total (2018)	20897.2	0.0	0.0	7065.1	2628.7	0.0	0.0	0.0	0.0	0.0	0.0	600.0	22.0
Total	183925.7	0.0	0.0	26116.1	157786.2	23.4	0.0	521.5	1.1	1.5	0.0	611.3	350.9

Note:
-1,628.65 tonnes and 347.60 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137 and Tuen Mun Area 38 Public Fill respectively in the reporting month.

J. Environmental Mitigation Measures – Implementation Status

Table J-1: Environmental Mitigation Measures Implementation Status

		Implementation Stage			
EM&A Ref.	Recommendation Measures	M+ Museum	Lyric Theatre Complex		
Air Quality I	Impact (Construction)				
2.1 &	General Dust Control Measures				
10.3.1	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)	✓	✓		
.1 &	Best Practice For Dust Control				
10.3.1	The relevant best practices for dust control as stipulated in the Air Pollution Control (construction Dust) Regulation should be adopted to further reduce the construction dust impacts from the Project. These best practices include:				
	Good Site Management				
	• Good site management is important to help reducing potential air quality impact down to an acceptable level. As a general guide, the Contractor should maintain high standard of housekeeping to prevent emission of fugitive dust. Loading, unloading, handling and storage of raw materials, wastes or byproducts 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.	Obs	✓		
	Disturbed Parts of the Roads				
	 Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials; or 	✓	✓		
	 Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet. 	✓	✓		
	Exposed Earth				
	 Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies. 	N/A	N/A		
	Loading, Unloading or Transfer of Dusty Materials				
		,			

• All dusty materials should be sprayed with water immediately prior to any loading or transfer operation

EM&A Ref.	Recommendation Measures	M+ Museum	Lyric Theatre Complex
	so as to keep the dusty material wet.		
	Debris Handling		
	 Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides. 	✓	✓
	 Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped. 	✓	✓
	Transport of Dusty Materials		
	 Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards. 	·	·
	Wheel washing	,	
	 Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels. 	√	Obs
	Use of vehicles		
	 The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site. 	✓	✓
	 Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels. 	✓	✓
	 Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle. 	✓	✓
	Site hoarding		
	 Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit. 	✓	✓
2.1 & 10.3.1	Best Practicable Means for Cement Works (Concrete Batching Plant)		
	The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant) BPM 3/2(93) should be followed and implemented to further reduce the construction dust impacts of the Project. These best practices include:		
	Exhaust from Dust Arrestment Plant		

EM&A Ref.	Recommendation Measures	M+ Museum	Lyric Theatre Complex
	 Wherever possible the final discharge point from particulate matter arrestment plant, where is not necessary to achieve dispersion from residual pollutants, should be at low level to minimise the effect on the local community in the case of abnormal emissions and to facilitate maintenance and inspection 	√	✓
	Emission Limits		
	 All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke 	✓	✓
	Engineering Design/Technical Requirements		
	 As a general guidance, the loading, unloading, handling and storage of fuel, raw materials, products, wastes or by-products should be carried out in a manner so as to prevent the release of visible dust and/or other noxious or offensive emissions 	√	√
-	Non-Road Mobile Machinery (NRMM):		
	All NRMMs operating on-site which are subject to emission control of Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation are approved/exempted (as the case may be) and affixed with the requisite approval/exemption labels.	✓	Obs
Noise Impa	ct (Construction)		
3.1 & 10.4.1	Good Site Practice Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:		
	 only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works; 	✓	Obs
	 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. 	✓	✓
3.1 &	Adoption of Quieter PME		
10.4.1	The recommended quieter PME adopted in the assessment were taken from the EPD's QPME Inventory and "Sound Power Levels of Other Commonly Used PME" are presented in Table 4.26 in the EIA report. It should be noted that the silenced PME selected for assessment can be found in Hong Kong.	N/A	N/A

EMOA Def	Parameter de la marane	Mr. Manager	Louis Theatre Commission
EM&A Ref.	Recommendation Measures	M+ Museum	Lyric Theatre Complex
3.1 & 10.4.1	Use of Movable Noise Barriers Movable noise barriers can be very effective in screening noise from particular items of plant when constructing the Project. Noise barriers located along the active works area close to the noise generating component of a PME could produce at least 10 dB(A) screening for stationary plant and 5 dB(A) for mobile plant provided the direct line of sight between the PME and the NSRs is blocked.	N/A	✓
.1 & 0.4.1	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 & 0.4.1	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.	✓	✓
0.4.1	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
Vater Qualit	y Impact (Construction)		
.1 &	Construction site runoff and drainage		
10.5.1	The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended to protect water quality and sensitive uses of the coastal area, and when properly implemented should be sufficient to adequately control site discharges so as to avoid water quality impacts:		
	At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the WKCDA's Contractor prior to the commencement of construction; Sand (sitt removal facilities such as analysis) and additionable begins about the provided to removal.	Obs	~
	 Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the WKCDA's Contractor prior to the commencement of construction. 	√	√
	All drainage facilities and erosion and sediment control structures should be regularly inspected and	Obs	Obs

EM&A Ref.	Recommendation Measures	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.		
	 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. 	✓	✓
	 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. 	Rem	Obs
	 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. 	✓	✓
	 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. 	✓	✓
	 Precautions should be taken at any time of the year when rainstorms are likely. Actions should be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC Note PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes. 	Obs	Obs
	 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:		
	 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
_	 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 		

EM&A Ref.	Recommendation Measures	M+ Museum	Lyric Theatre Complex
	 materials or polluted water during loading or transportation; All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of 	N/A	N/A
	 material; and Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to 	N/A	N/A
	be present on the water within the site.	N/A	N/A
.1 &	Sewage effluent from construction workforce		
0.5.1	Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	✓	✓
.1 &	General construction activities		
0.5.1	 Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used. 	✓	✓
	 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. 	√	✓
Vaste Mana	gement Implications (Construction)		
.1 &	Good Site Practices		
0.7.1	Recommendations for good site practices during the construction activities include:		
	 Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site 	✓	✓
	Training of site personnel in proper waste management and chemical handling procedures	✓	✓
	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	✓	✓

EM&A Ref.	Recommendation Measures	M+ Museum	Lyric Theatre Complex
10.7.1	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 	✓	✓
.1 &	Inert and Non-inert C&D Materials		
0.7.1	In order to minimise impacts resulting from collection and transportation of inert C&D material for off-site disposal, the excavated materials should be reused on-site as fill material as far as practicable. In addition, inert C&D material generated from excavation works could be reused as fill materials in local projects that require public fill for reclamation.	✓	✓
	 The surplus inert C&D material will be disposed of at the Government's PFRFs for beneficial use by other projects in Hong Kong. 	✓	✓
	 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.	~	~
5.1 &	Chemical Waste		

		•	•
EM&A Ref.	Recommendation Measures	M+ Museum	Lyric Theatre Complex
10.7.1	• If chemical wastes are produced at the construction site, the Contractor will be required to register with the EPD as a chemical waste producer and to follow the guidelines stated in the "Code of Practice on the Packaging Labelling and Storage of Chemical Wastes". Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor should use a licensed collector to transport and dispose of the chemical wastes at the approved Chemical Waste Treatment Centre or other licensed recycling facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	Rem	Obs
	 Potential environmental impacts arising from the handling activities (including storage, collection, transportation and disposal of chemical waste) are expected to be minimal with the implementation of appropriate mitigation measures as recommended. 	✓	✓
6.1 &	General Refuse		
10.7.1	General refuse should be stored in enclosed bins or compaction units separated from inert C&D materials. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from inert C&D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	✓	✓
Land Contai	mination (Construction)		
7.1 & 10.8.1	The potential for land contamination issues at the TST Fire Station due to its future relocation will be confirmed by site investigation after land acquisition. Where necessary, mitigation measures for minimising potential exposure to contaminated materials (if any) or remediation measures will be identified. If contaminated land is identified (e.g., during decommissioning of fuel oil storage tanks) after the commencement of works, mitigation measures are proposed in order to minimise the potentially adverse effects on the health and safety of construction workers and impacts arising from the disposal of potentially contaminated materials.		
	The following measures are proposed for excavation and transportation of contaminated material:		
	To minimize the chance for construction workers to come into contact with any contaminated materials, bulk earth-moving excavation equipment should be employed;	N/A	N/A
	 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 	N/A	N/A
	contaminated material), provision of washing facilities and prohibition of smoking and eating on site;	N/A	N/A
	 Stockpiling of contaminated excavated materials on site should be avoided as far as possible; The use of contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out; 	N/A	N/A

EM&A Ref.	Recommendation Measures	M+ Museum	Lyric Theatre Complex
	 Vehicles containing any contaminated excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater: 	N/A	N/A
	 Truck bodies and tailgates should be sealed to stop any discharge; 	N/A	N/A
	 Only licensed waste haulers should be used to collect and transport contaminated material to treatment/disposal site and should be equipped with tracking system to avoid fly tipping; 	N/A	N/A
	 Speed control for trucks carrying contaminated materials should be exercised; 	N/A	N/A
	 Observe all relevant regulations in relation to waste handling, such as Waste Disposal Ordinance (Cap 354), Waste Disposal (Chemical Waste) (General) Regulation (Cap 354) and obtain all necessary permits where required; and 	N/A	N/A
	Maintain records of waste generation and disposal quantities and disposal arrangements.	N/A	N/A
Ecological li	mpact (Construction)		
	No mitigation measure is required.		
Landscape a	and Visual Impact (Construction)		
Table 9.1 & 10.8 (CM1)	Trees should be retained in situ on site as far as possible. Should tree removal be unavoidable due to construction impacts, trees will be transplanted or felled with reference to the stated criteria in the Tree Removal Applications to be submitted to relevant government departments for approval in accordance to ETWB TCW No. 29/2004 and 3/2006.	N/A	N/A
Table 9.1 & 10.8 (CM2)	Compensatory tree planting shall be incorporated to the proposed project and maximize the new tree, shrubs and other vegetation planting to compensate tree felled and vegetation removed. Also, implementation of compensatory planting should be of a ratio not less than 1:1 in terms of quality and quantity within the site.	N/A	N/A
Table 9.1 & 10.8 (CM3)	Buffer trees for screening purposes to soften the hard architectural and engineering structures and facilities.	N/A	N/A
Table 9.1 & 10.8 (CM4)	Softscape treatments such as vertical green wall panel /planting of climbing and/or weeping plants, etc, to maximize the green coverage and soften the hard architectural and engineering structures and facilities.	N/A	N/A
Table 9.1 & 10.8 (CM5)	Roof greening by means of intensive and extensive green roof to maximize the green coverage and improve aesthetic appeal and visual quality of the building/structure.	N/A	N/A
Table 9.1 & 10.8 (CM6)	Sensitive streetscape design should be incorporated along all new roads and streets.	N/A	N/A
Table 9.1 & 10.8 (CM7)	Structure, ornamental planting shall be provided along amenity strips to enhance the landscape quality.	N/A	N/A

EM&A Ref.	Recommendation Measures	M+ Museum	Lyric Theatre Complex
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 be 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) to the end of the reporting month and are summarised 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

	Complaints	Notifications of summons	Successful prosecutions
This reporting month	0	0	0
From 31 October 2015 to end of the reporting month	4	1	0

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

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