



# **Development at West Kowloon Cultural District**

Monthly Environmental Monitoring and Audit  
(EM&A) Report for March 2020

6 April 2020



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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).**

**Certified by:**



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Environmental Team Leader (ETL)  
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Date

09 April 2020

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9 Apr 2020

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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), L1 Contract (Contract No. CC/2017/3A/030) and L2 Contract (Contract No. CC/2017/3A/031) at West Kowloon Cultural District (WKCD) (The Project) as part of the WKCD development. The Project Proponent is the West Kowloon Cultural District Authority (WKCDA). The construction works and EM&A programme for M+ Museum and Lyric Theatre Complex commenced on 31 October 2015 and 1 March 2016 respectively.

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

This Monthly EM&A Report presents the monitoring works at M+ Museum and Lyric Theatre Complex (L1 and L2 Contract) from 1 March to 31 March 2020.

## **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 3, 10, 17, 24 and 31 March 2020 for M+ Museum and 4, 11, 18 and 25 March 2020 for Lyric Theatre Complex (L1 and L2 Contract) 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.

FEHD site inspection with contractor was conducted on 11 March 2020 at M+ Museum. No adverse comment was made.

FEHD site inspection with contractor was conducted on 13 March 2020 at Lyric Theatre Complex. No adverse comment was made.

## **Record of Complaints**

One environmental complaint was recorded in the reporting month.

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

No notifications of summons and successful prosecutions were recorded in the reporting month.

### **Future Key Issues**

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

- Structure
  - M+ Podium: Structural works completed
  - CSF RF: Structural works completed
  - RDE RF: Structural works completed
- MEP
  - BEL, BLT, ELV, BFS, BPD, BME works from B2 to 16/F of M+
  - BEL, BLT, ELV, BFS, BPD, BME works from G/F to 15/F of RDE
  - MEP works at CSF building majority finished
  - T&C for M+ / CSF
- ABWF
  - M+ B2F – 3/F Basement & Podium, Screeding, wall plastering, finishing & Paving works, installation of fire shutter, toilets / sanitary fitment installation
  - M+ Tower - paint/sealer, plaster, toilets / sanitary fitment installation, make good & finishes works
  - CSF – majority ABWF works at CSF accomplished, make good & defect rectification
  - RDE up to 15F – blockwall, plastering, Artwall/drywall stud erection, False ceiling sub-frame installation, paving & flooring works
- Other
  - M+ G/F - Paving works;
  - M+ 3F Podium Roof - landscaping works (soil mix), drainage mat / cable installation, Gallery Roof Panel installation
  - Paving works at M+ 1/F, G/F & B1/F

The major site works for L1 scheduled to be commissioned in the coming month include:

- Excavation work at Main Cofferdam
- Drainage work (PIW works)
- Extended basement structure construction of Area 06 and Main Cofferdam

The major site works for L2 scheduled to be commissioned in the coming month include:

- Visual Mock Up
  - VMU interior work
- LTC construction
  - B2 construction
  - B2U/F and B1L/F construction
  - B1 construction
  - Formwork
  - Reinforcement work

- Concrete work
- Extended Basement
  - BS installation (south B2)
- DSC Cofferdam A
  - DCS Cofferdam A - Section 2
- Remaining Works for M+ Promenade
- Modification to Existing Pump Cell
  - Re provision of Sea Water Pump Cell
  - Modification of Extg Pump Cell, & Connection to New Pump Cell

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), L1 Contract (Contract No. CC/2017/3A/030) and L2 Contract (Contract No. CC/2017/3A/031) 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 M+ Museum and Lyric Theatre Complex (L1 and L2 Contract) from 1 March to 31 March 2020. 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:

- Structure
  - M+ Podium: Structural works completed
  - CSF RF: Structural works completed
  - RDE RF: Structural works completed
- Facade
  - Installation of panels on M+ tower completed
  - Installation of panels on RDE completed
- MEP
  - BEL, ELV, BFS, BPD, BME works from B2 to 16/F of M+
  - BEL, ELV, BFS, BPD, BME works from G/F to 15/F of RDE
  - MEP works at CSF building majority finished
- ABWF
  - Floor screed for plant room area and corridor area, wall plastering, raised floor, timber finishes works - M+ G/F – 3/F
  - Blockwork plaster, paint/sealer, plaster, drywall subframe, Front of house work wall plastering work up to M+ 16/F
  - Steel platform, plastering, Artwall/drywall stud erection, False ceiling sub-frame installation of RDE up to 15/F
  - ABWF works at CSF building from 1/F to 8/F majority finished
- Other
  - Paving works & landscaping works (soil mix) at M+ Podium 3/F
  - Paving works at M+ 1/F, G/F & B1/F

During the reporting period, construction works at L1 undertaken include:

- Excavation work at Main Cofferdam
- Drainage work (PIW works)
- Extended basement structure construction of Area 06 and Main Cofferdam

During the reporting period, construction works at L2 undertaken include:

- Visual Mock Up
  - VMU interior work
- LTC construction
  - VIS Installation
  - B2 construction
  - B2U/F and B1L/F construction
  - Formwork
  - Reinforcement work
  - Concrete work

- Extended Basement
  - BS installation (south B2)

The Construction Works Programme of M+ Museum and Lyric Theatre Complex (L1 and L2 Contract) is provided in **Appendix B**. A layout plan of the Project is provided in **Figure 1**. Please refer to **Table 4.4**, **Table 4.5** and **Table 4.6** 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	AM2B - 1st Floor of Gammon's Site Office	At least once every 6 days
	1-Hour TSP	AM2B - 1st Floor of Gammon's Site Office	At least 3 times every 6 days
Noise	Leq, 30 minutes	NM1A - International Commerce Centre	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. Due to works programme, the air monitoring location AM2A has been relocated to the alternative

monitoring location AM2B at the 1st floor of Gammon's site office, which was approved by EPD on 21 February 2019. Meanwhile, the opportunity of setting up the air monitoring location at The Harbourside is being explored. 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 AM2B 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)
AM2B	1st Floor of Gammon's Site Office

#### 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	



Equipment	Model
High Volume Sampler	TE-5170 (Serial No.: 0767 and 8919)
Calibrator	TE-5025A (Orifice I.D.: 2454)
<b>1-hour TSP monitoring</b>	
Portable direct reading dust meter	Sibata LD-3B (Serial No.: 235780 and 6Z7784)

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

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

## 2.2.4 Monitoring Methodology

### 24-hour TSP Monitoring

#### **Installation**

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

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

#### **Preparation of Filter Papers**

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

#### **Field Monitoring Procedures**

- The power supply was checked to ensure the HVS works properly.
- The filter holder and the area surrounding the filter were cleaned.

- The filter holder was removed by loosening the four bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully.
- The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter.
- The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied should be sufficient to avoid air leakage at the edges.
- The shelter lid was closed and was secured with the aluminium strip.
- The HVS was warmed-up for about 5 minutes to establish run-temperature conditions.
- A new flow rate record sheet was set into the flow recorder.
- The flow rate of the HVS was checked and adjusted at around 1.3 m<sup>3</sup>/min. The range specified in the EM&A Manual was between 0.6-1.7 m<sup>3</sup>/min.
- The programmable timer was set for a sampling period of 24 hours, and the starting time, weather condition and the filter number were recorded.
- The initial elapsed time was recorded.
- At the end of sampling, the sampled filter was removed carefully and folded in half length so that only surfaces with collected particulate matter were in contact.
- It was then placed in a clean plastic envelope and sealed.
- All monitoring information was recorded on a standard data sheet.
- Filters were sent to a Hong Kong Laboratory Accreditation Scheme (HOKLAS) accredited laboratory for analysis.

### **Maintenance and Calibration**

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

### 1-hour TSP Monitoring

#### **Field Monitoring**

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

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

## Maintenance and Calibration

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

## Weather Condition

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

## 2.3 Noise

### 2.3.1 Monitoring Parameters, Frequency and Duration

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

**Table 2.4: Noise Monitoring Parameters, Period and Frequency**

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

### 2.3.2 Monitoring Location

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

**Table 2.5: Noise Monitoring Station**

Monitoring Station	Location
NM1A	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 Equipment**

Monitoring Station	Equipment Model	
	Integrating Sound Level Meter	Calibrator
NM1A	Rion NL-52 (Serial No. 00175561)	LARSON DAVIS CAL200 (Serial No. 11333)

### 2.3.4 Monitoring Methodology

#### Field Monitoring

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

### Maintenance and Calibration

- The microphone head of the sound level meter and calibrator is cleaned with soft cloth at quarterly intervals.
- The sound level meter and calibrator are sent to the supplier or HOKLAS laboratory to check and calibrate at yearly intervals.
- Calibration records are shown in **Appendix F**.

### Weather Condition

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

## 2.4 Landscape and Visual

### 2.4.1 Monitoring Program

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

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

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

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

## 3 Monitoring Results

### 3.1 Impact Monitoring

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

### 3.2 Air Quality Monitoring

#### 3.2.1 1-hour TSP

Results of 1-hour TSP at the monitoring location AM1 and AM2B are summarised in **Table 3.1**. Graphical plots of the monitoring results are shown in **Appendix G**.

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

Monitoring Station	Monitoring Date	Start Time	1-hour TSP ( $\mu\text{g}/\text{m}^3$ )			Range ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
			1st Result	2nd Result	3rd Result			
AM1	05-Mar-20	8:10	66	73	80	28-112	273.7	500
	11-Mar-20	7:53	36	42	40			
	17-Mar-20	7:50	30	28	55			
	23-Mar-20	8:14	99	104	112			
	27-Mar-20	13:22	80	68	60			
AM2B	05-Mar-20	8:24	67	75	82	27-107	274.2	500
	11-Mar-20	8:35	80	66	60			
	17-Mar-20	8:30	27	38	42			
	23-Mar-20	8:28	62	48	61			
	27-Mar-20	13:37	104	98	107			

#### 3.2.2 24-hour TSP

Results of 24-hour TSP at the monitoring location AM1 and AM2B are summarised in **Table 3.2**. Graphical plots of the monitoring results are shown in **Appendix G**.

**Table 3.2: Summary of 24-hour TSP monitoring results**

Monitoring Station	Monitoring Date	Start Time	Monitoring Results ( $\mu\text{g}/\text{m}^3$ )	Range ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
AM1	05-Mar-20	8:08	30	16-42	143.6	260
	11-Mar-20	7:50	19			
	17-Mar-20	7:48	16			
	23-Mar-20	8:12	23			
	27-Mar-20	8:20	42			
AM2B	05-Mar-20	8:22	99	47-101	151.1	260
	11-Mar-20	8:33	50			
	17-Mar-20	8:32	47			
	23-Mar-20	8:26	101			
	27-Mar-20	8:35	101			

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

### 3.3 Noise Monitoring

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

**Table 3.3: Summary of noise monitoring results during normal weekdays**

Monitoring Date	Start Time	End Time	Leq (30 mins)*, dB(A)	Limit Level for Leq (dB(A))
05-Mar-20	10:30	11:00	68.2	75
11-Mar-20	7:44	8:14	68.1	
17-Mar-20	7:45	8:15	69.7	
23-Mar-20	10:36	11:06	69.2	

Remarks:

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

No exceedance (Action/Limit Level) of construction noise was recorded in the reporting period.

One noise related environmental complaint was received during the reporting period and noise levels recorded during the monitoring period were below 75 dB(A).

### 3.4 Landscape and Visual Impact

Landscape and visual impact inspections were conducted as part of the weekly site inspections on 3, 17 and 31 March 2020 for M+ Museum, and 11 and 25 March 2020 for Lyric Theatre Complex (L1 and L2 Contract) 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 is provided in **Appendix J**.

## 4 Environmental Site Inspection

### 4.1 Site Inspection

#### 4.1.1 M+ Museum

Construction phase weekly site inspections were carried out on 3, 10, 17, 24 and 31 March 2020. The joint site inspection with IEC, ET, ER and Contractor was held on 17 March 2020. All observations have been recorded in the site inspection checklist and passed to the Contractor together with the appropriate recommended mitigation measures where necessary.

FEHD site inspection with contractor was conducted on 11 March 2020. No adverse comment was made. FEHD reminded stagnant water trapped in the uneven ground and dark corners should be removed regularly or applied with larvicide if necessary, and water barriers shall be properly covered to avoid mosquito breeding.

The key observations from the site inspections and associated recommendations are summarized in **Table 4.1**.

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

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
03-Mar-20	Air Quality	Dusty haul road was observed at the soil storage area. The contractor was reminded to increase water spraying frequency to avoid dust impact.	The contractor has increased water spraying frequency to avoid dust impact.	04-Mar-20
03-Mar-20	Water Quality	Effluent quality of wetsep was checked. It was found visually clear when compared with standard solution and within proper pH range.	N/A	N/A
10-Mar-20	Waste Management	Drip tray for wetsep chemical was observed broken. The contractor was reminded to replace a new drip tray.	The contractor has replaced a new drip tray for the wetsep chemical.	17-Mar-20
10-Mar-20	Water Quality	Effluent quality of wetsep was checked. It was found visually clear when compared with standard solution and within proper pH range.	N/A	N/A
10-Mar-20	Air Quality	The contractor was reminded to enhance the dust mitigation measures, especially at the soil storage area to avoid dust impact.	The contractor has covered the stockpile with impervious sheeting.	17-Mar-20
17-Mar-20	Air Quality	Stockpiles were observed without cover at Gate No. 1. The contractor was reminded to cover the stockpiles with impervious sheeting.	The contractor has covered the stockpiles with impervious sheeting.	17-Mar-20
17-Mar-20	Water Quality	Effluent quality of wetsep was checked. It was found visually	N/A	N/A

Inspection Date	Parameter	Observation / Recommendation	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
		clear when compared with standard solution and within proper pH range.		
24-Mar-20	Air Quality	The contractor was reminded to enhance the dust mitigation measures at the soil storage area.	The contractor has covered the stockpile with impervious sheeting.	26-Mar-20
24-Mar-20	Waste Management	The contractor was reminded to enhance the site waste management to maintain a high standard of housekeeping.	The contractor has enhanced the site cleaning to maintain a high standard of housekeeping.	30-Mar-20
24-Mar-20	Water Quality	Effluent quality of wetsep was checked. It was found visually clear when compared with standard solution and within proper pH range.	N/A	N/A
31-Mar-20	Air Quality	The contractor was reminded to cover the stockpile with impervious sheeting or remove it as soon as possible at the soil storage area to prevent dust impact.	The stockpile has been cleared away.	03-Apr-20
31-Mar-20	Water Quality	Effluent quality of wetsep was checked. It was found visually clear when compared 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 March 2020 (L1 and L2 Contract). The joint site inspection with IEC, ET, ER and Contractor was held on 18 March 2020. All observations have been recorded in the site inspection checklist and passed to the Contractor together with the appropriate recommended mitigation measures where necessary.

FEHD site inspection with contractor was conducted on 13 March 2020. No adverse comment and recommendation were made.

The key observations from the site inspections and associated recommendations are summarized in **Table 4.2 and Table 4.3**.

**Table 4.2: Summary of Site Inspections and Recommendations for L1**

Inspection Date	Parameter	Observation / Recommendation	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
04-Mar-20	Water Quality	The contractor was reminded to enhance the mitigation measure at the site boundary to prevent effluent discharge out of the site.	Cement bunding has been provided near the site entrance.	10-Mar-20
11-Mar-20	Air Quality	The contractor was reminded to enhance the dust mitigation measures to prevent dust impact.	The contractor has provided water spraying to prevent dust impact.	18-Mar-20



**Table 4.3: Summary of Site Inspections and Recommendations for L2**

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
11-Mar-20	Air Quality	The contractor was reminded to enhance the dust mitigation measures to prevent dust impact.	The contractor has provided regularly water spraying at haul road and automatic sprinkler has been installed.	12-Mar-20

## 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, 20.69 tonnes and 438.74 tonnes of inert C&D material were disposed of at Tuen Mun Area 38 and Tseung Kwan O Area 137 Public Fill respectively. 10.39 tonnes of inert C&D material was disposed of at Sorting Facility at Tseung Kwan O Area 137. 394.9 tonnes of general refuse was disposed of at SENT landfill. 220.0 tonnes of metal, 0.6 tonnes of paper/cardboard packaging, 0.7 tonnes of plastic and 120.0 tonnes of timber were collected by recycling contractors in the reporting month. 0.0 tonne of inert C&D material was reused on site. 144.0 tonnes of inert C&D material was reused in other projects. 0.0 tonne of chemical waste was collected by licensed contractors in the reporting period.

The cumulative waste generation records for M+ Museum are shown in **Appendix I**.

### 4.2.2 Lyric Theatre Complex

As advised by the L1 Contractor, 1,976.12 tonnes and 4,582.91 tonnes of inert C&D material were disposed of at Tseung Kwan O Area 137 and Tuen Mun Area 38 Public Fill respectively, while 138.3 tonnes of general refuse was disposed of at SENT and WENT landfill. 63.1 tonnes of metal, 0.0 tonne of paper/cardboard packaging, 0.0 tonne of plastic and 0.0 tonne of timber were collected by recycling contractors in the reporting month. 0.0 tonne of inert C&D material was reused on site. 0.0 tonne of inert C&D materials was reused in other projects and 110.4 tonnes of inert C&D material was imported for reuse at site. 0.0 tonne of inert C&D material was disposed to sorting facility and 0.0 tonne of chemical waste was collected by licensed contractors in the reporting period.

As advised by the L2 Contractor, 0.0 tonne of inert C&D material was disposed of as public fill, and 0.0 tonne of general refuse was disposed to landfill. 0.0 tonne of metal, 0.0 tonne of paper/cardboard packaging, 0.0 tonne of plastic and 0.0 tonne of timber were collected by recycling contractors in the reporting month. 0.0 tonne of inert C&D material was reused on site. 0.0 tonne of inert C&D material was reused in other projects and 0.0 tonne of inert C&D material was imported for reuse at site. 0.0 tonne of inert C&D material was disposed to sorting facility and 0.0 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 (L1 and L2 Contract) 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 4.4** and **Table 4.5** and **Table 4.6**.

#### 4.3.1 M+ Museum

**Table 4.4: Status of Environmental Submissions, Licenses and Permits for M+ Museum**

Permit / License No. / Notification / Reference No.	Valid Period		Status	Remarks
	From	To		
<b>Chemical Waste Producer Registration</b>				
WPN5213-217-G2347-53	04-Oct-18	--	Valid	--
<b>Billing Account Construction Waste Disposal</b>				
7031993	03-Oct-18	--	Account Active	--
<b>Construction Noise Permit</b>				
GW-RE0973-19	10-Dec-19	26-May-20	Valid	--
<b>Wastewater Discharge License</b>				
WT-00033363-2019	21-Mar-19	31-Mar-24	Valid	--
WT-00035338-2019	20-Jan-20	31-Jan-25	Valid	--
<b>Notification under Air Pollution Control (Construction Dust) Regulation</b>				
437339	12-Sep-18	--	Notified	--

#### 4.3.2 Lyric Theatre Complex

**Table 4.5: Status of Environmental Submissions, Licenses and Permits for L1**

Permit / License No. / Notification / Reference No.	Valid Period		Status	Remarks
	From	To		
<b>Chemical Waste Producer Registration</b>				
WPN5213-217-G2347-39	17-Feb-16	--	Valid	--
<b>Billing Account Construction Waste Disposal</b>				
7029925	22-Jan-18	--	Account Active	--
<b>Billing Account Vessel Disposal</b>				
7033007	2-Dec-19	2-Mar-20	Account Active	--
<b>Construction Noise Permit</b>				
GW-RE0833-19	22-Oct-19	9-Apr-20	Cancelled on 4-Mar-20	--
GW-RE0109-20	4-Mar-20	3-May-20	Valid	--
<b>Wastewater Discharge License</b>				
WT-00030694-2018	11-Apr-18	30-Apr-23	Valid	--
<b>Notification under Air Pollution Control (Construction Dust) Regulation</b>				
429708	16-Jan-18	--	Notified	--

**Table 4.6: Status of Environmental Submissions, Licenses and Permits for L2**

Permit / License No. / Notification / Reference No.	Valid Period		Status	Remarks
	From	To		
<b>Chemical Waste Producer Registration</b>				
WPN5213-217-G2347-39	17-Feb-16	--	Valid	This license/permit is share with L1
<b>Billing Account Construction Waste Disposal</b>				
7032787	02-Jan-19	--	Account Active	--
<b>Construction Noise Permit</b>				
GW-RE0833-19	22-Oct-19	9-Apr-20	Cancelled on 4-Mar-20	This license/permit is share with L1
GW-RE0109-20	4-Mar-20	3-May-20	Valid	This license/permit is share with L1
<b>Wastewater Discharge License</b>				
WT-00030694-2018	11-Apr-18	30-Apr-23	Valid	This license/permit is share with L1
<b>Notification under Air Pollution Control (Construction Dust) Regulation</b>				
448474	27-Aug-19	--	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

###### Air Quality

- Increase water spraying frequency to dusty road to avoid dust impact.
- Any stockpiles/debris should cover by impervious sheeting.

###### Waste Management

- Container used for storage chemicals should maintain in good condition.
- All wastes generated at site should be collected and disposed to an appropriate facility.

##### 4.4.2 Lyric Theatre Complex

###### L1

###### Water Quality

- Channels, earth bunds or sand bag barriers should be provided to prevent untreated wastewater discharge out of the site.

###### Air Quality

- Maintain in high standard of housekeeping to prevent emission of fugitive dust.

###### L2

###### Air Quality

- Maintain in high standard of housekeeping to prevent emission of fugitive dust.

## 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 February 2020	13 March 2020

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

### 6.1 Record on Non-compliance of Action and Limit Levels

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

### 6.2 Record on Environmental Complaints Received

One environmental complaint was received in the reporting month.

EPD referred a letter dated 6 March 2020 from the District Council Member Mr Derek Hung. It was about a complaint from the Harbourside's resident about noise nuisance from drilling works from the WKCD construction site from 7:00 am and reminded the site to enhance the dust mitigation measures to nearby residents.

After the investigation, it revealed that no noisy works including drilling works were conducted during 7:00 – 9:00 am at the concerned period for both M+ Museum and Lyric Theatre Complex (L1 and L2 Contract). The contractors have already been implementing various noise mitigation measures to reduce noise impact. For the concerned area, there are several construction sites, M+ Museum and Lyric Theatre Complex (L1 and L2 Contract) are two of the WKCD construction sites. Therefore, it does not directly imply the complaint is attributable to M+ Museum and Lyric Theatre Complex (L1 and L2 Contract). However, noise mitigation measures will continue to be strictly implemented on site. Nevertheless, the contractors are reminded to strengthen the implementation of the recommended for noise and dust mitigation measures to reduce impacts to the nearby residents.

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 prosecutions were received this month. The cumulative statistics on notifications of summons and successful prosecutions were provided in **Appendix K**.

## 7 Future Key Issues

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

#### 7.1.1 M+ Museum

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

- Structure
  - M+ Podium: Structural works completed
  - CSF RF: Structural works completed
  - RDE RF: Structural works completed
- MEP
  - BEL, BLT, ELV, BFS, BPD, BME works from B2 to 16/F of M+
  - BEL, BLT, ELV, BFS, BPD, BME works from G/F to 15/F of RDE
  - MEP works at CSF building majority finished
  - T&C for M+ / CSF
- ABWF
  - M+ B2F – 3/F Basement & Podium, Screeding, wall plastering, finishing & Paving works, installation of fire shutter, toilets / sanitary fitment installation
  - M+ Tower - paint/sealer, plaster, toilets / sanitary fitment installation, make good & finishes works
  - CSF – majority ABWF works at CSF accomplished, make good & defect rectification
  - RDE up to 15F – blockwall, plastering, Artwall/drywall stud erection, False ceiling sub-frame installation, paving & flooring works
- Other
  - M+ G/F - Paving works;
  - M+ 3F Podium Roof - landscaping works (soil mix), drainage mat / cable installation, Gallery Roof Panel installation
  - Paving works at M+ 1/F, G/F & B1/F

#### 7.1.2 Lyric Theatre Complex

The major site works for L1 scheduled to be commissioned in the coming month include:

- Excavation work at Main Cofferdam
- Drainage work (PIW works)
- Extended basement structure construction of Area 06 and Main Cofferdam

The major site works for L2 scheduled to be commissioned in the coming month include:

- Visual Mock Up
  - VMU interior work
- LTC construction
  - B2 construction

- B2U/F and B1L/F construction
- B1 construction
- Formwork
- Reinforcement work
- Concrete work
- Extended Basement
  - BS installation (south B2)
- DSC Cofferdam A
  - DCS Cofferdam A - Section 2
- Remaining Works for M+ Promenade
- Modification to Existing Pump Cell
  - Re-provision of Sea Water Pump Cell
  - Modification of Extg Pump Cell, & Connection to New Pump Cell

## 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  $L_{eq}$ , 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.

One environmental complaint was recorded in the reporting month. No notifications of summons or successful prosecutions were received during the reporting month.

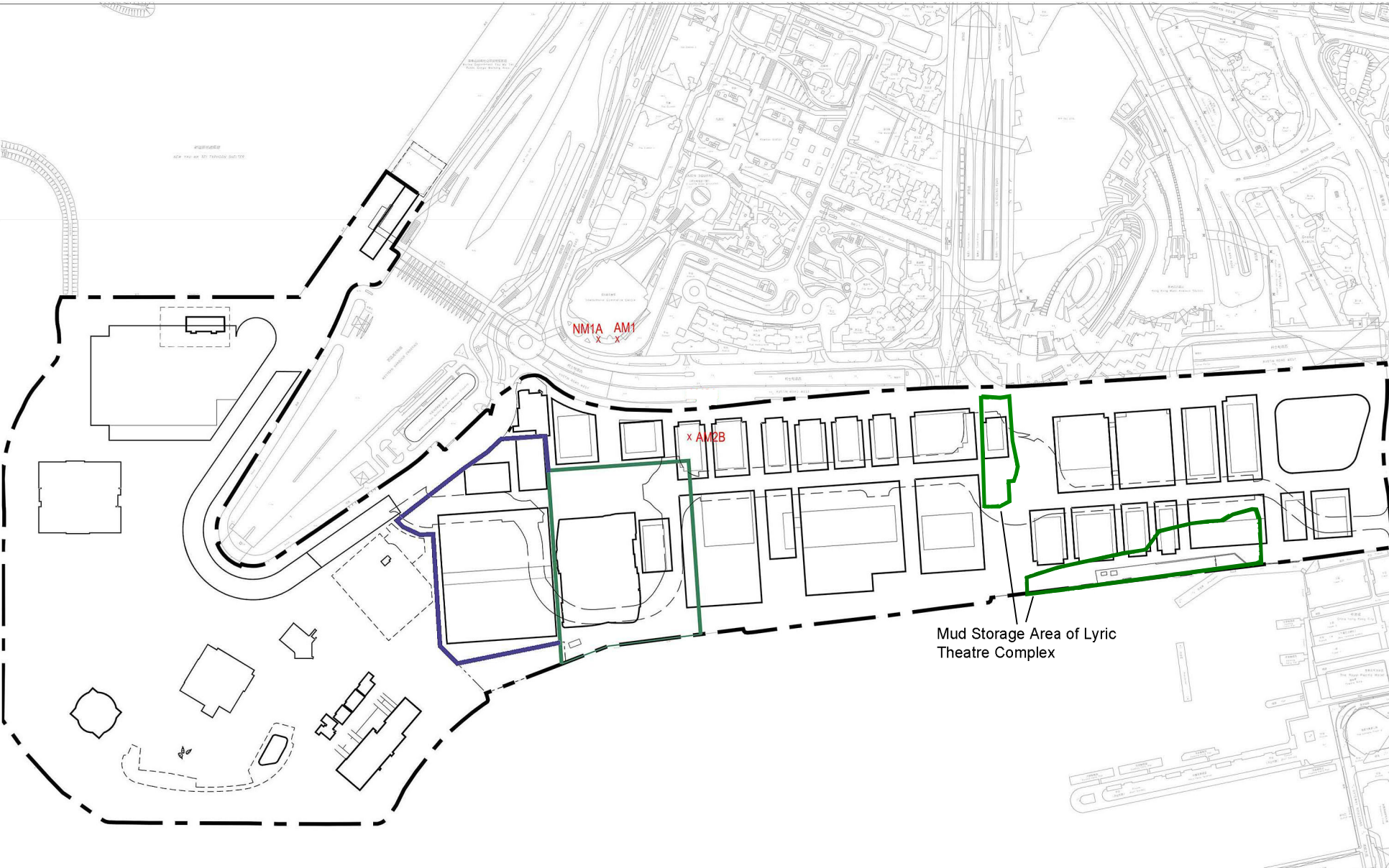
Weekly construction phase site inspections and bi-weekly landscape and visual impact inspections were conducted during the reporting month as required. It was observed that the Contractors had implemented all possible and feasible mitigation measures to mitigate the potential environmental impacts during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



B.D. REF:  
F.S.D. REF:

KEY PLAN

NOTES:

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

REMARKS:  
THE AIR MONITORING STATION AM2A HAS BEEN RELOCATED TO THE ALTERNATIVE MONITORING STATION AM2B AT 1ST FLOOR OF GAMMON'S SITE OFFICE ON 26 FEBRUARY 2019.

REV.	DATE	DESCRIPTION	INITIAL

JOB TITLE **DEVELOPMENT AT WEST KOWLOON CULTURAL DISTRICT**

DRAWING TITLE **SITE LAYOUT PLAN AND MONITORING STATIONS**

SCALE 1:100 PRINTED A1

CHECKED DATE

APPROVED DATE

DRAWN TY DATE 16-10-2015

CONTRACT NO.

DRAWING NO. **FIGURE 1** REV. XA

CAD REF NAME: XXXXX-AUT-RWS-DWG-P00-L00-0000-XXX.dwg

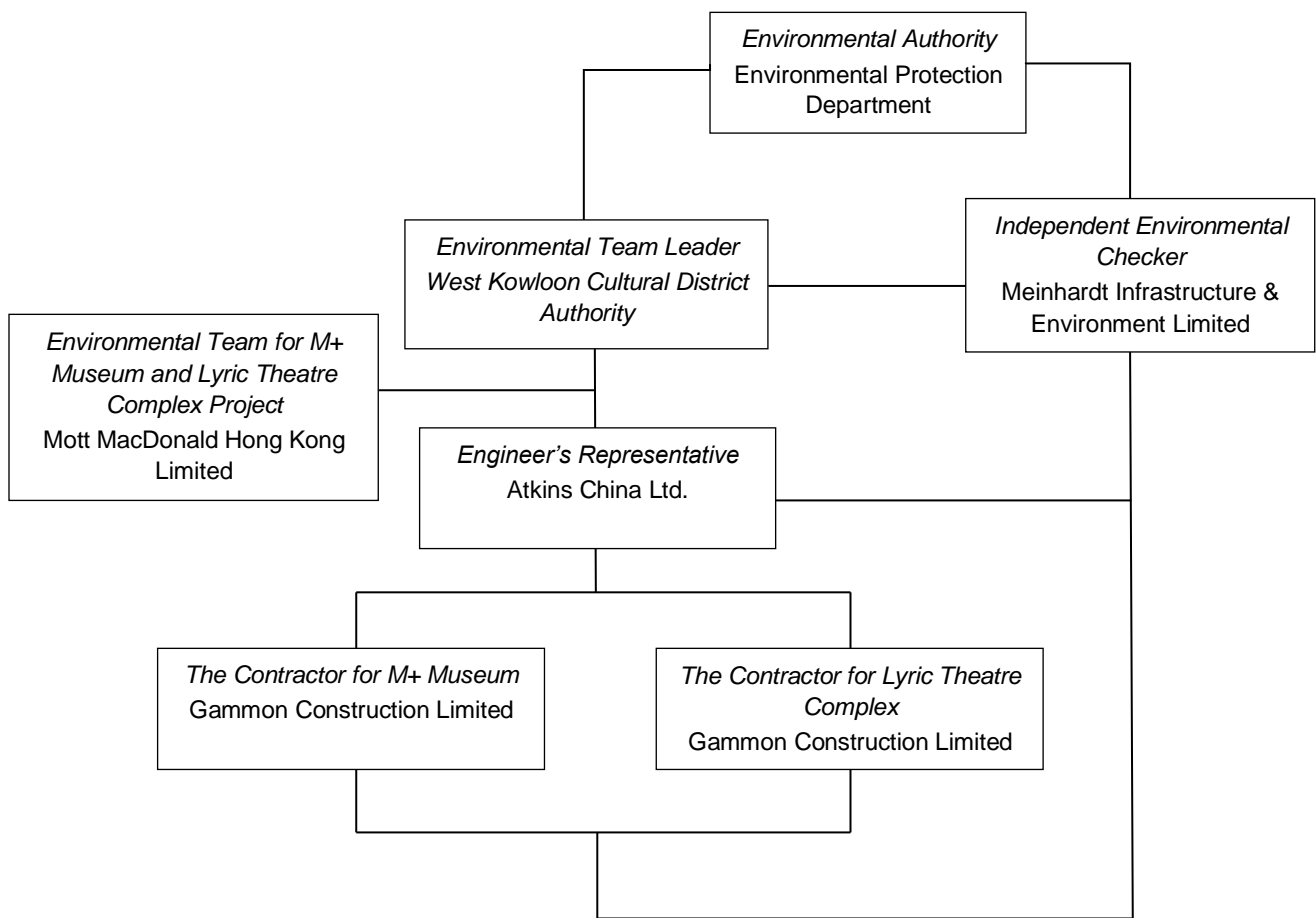
AUTHORITY

**westKowloon**  
西九文化區

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- 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
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- 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**

Company Name	Role	Name	Telephone
Atkins China Ltd.	Assistant Resident Engineer	Ms. Gloria Lui	5506 6361
Meinhardt Infrastructure & Environment Limited	Independent Environmental Checker	Ms. Helen Cochrane	2859 1734
Gammon Construction Limited (M+ Museum)	Environmental Manager	Mr. Andy Leung	9489 0035
Gammon Construction Limited (L1)	Environmental Manager	Ms. Sammie Chan	9864 4296
Gammon Construction Limited (L2)	Environmental Manager	Mr. Ivan Chiu	9416 1664
Mott MacDonald Hong Kong Ltd.	Contractor's Environmental Team Leader	Mr. Thomas Chan	2828 5757
West Kowloon Cultural District Authority	Senior Project Manager (Safety, Health and Environment)	Mr. C.K. Wu	5506 9178

# westKowloon

## 西九文化區

By Fax and Post

Our Ref: PRD-C005-01-W04523

Mott MacDonald Hong Kong Limited  
3/F International Trade Tower,  
348 Kwun Tong Road,  
Kwun Tong, Kowloon

17 January 2020

**Attn: Mr. Thomas CHAN**

Dear Sir,

**WEST KOWLOON CULTURAL DISTRICT AUTHORITY**

**Environmental Permit No. EP-453/2013/B**  
**Environmental Team Leader (ETL)**

Please be advised the ETL on this project has been changed from Mr. Brian Tam to Mr. C. K. Wu (Senior Project Manager – SHE) with effective from 7 January 2020. Both EPD and IEC has been notified the change.

Mr. C. K. Wu can be contacted at telephone no. 22048247 and email at [ck.wu@wkcda.hk](mailto:ck.wu@wkcda.hk).

Yours sincerely,



( Jeremy STOWE )  
Chief Projects Officer  
West Kowloon Cultural District Authority

C.C.

Meinhardt Infrastructure & Environment Ltd. – Mr. Frederick Leong (By post)

## **B. Tentative Construction Programme**

**M+ Museum**



ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020										
										Qtr 1		Qtr 2			Qtr 3		Sep			
										Feb	Mar	Apr	May	Jun	Jul	Aug				
CMWP - M+ Project Remaining Works @ 10 Sep 2018 Approved Target CMWP (Rev. 0_13 UPD_DD_29 Feb 20)																				
<b>GENERAL &amp; PRELIMINARIES (Remaining Works @ 10 SEP 2018)</b>																				
<b>Establishment</b>																				
<b>Tower Cranes Establishment &amp; De-establishment</b>																				
7410	TC_3.1 - Demob Tower Crane (crane base @ POD L3 GLE-L11-12)	12	12-Dec-19	27-Dec-19	30-Mar-20	13-Apr-20	-84	100%	0%											
7415	TC_1.B - Demobilise Tower Crane (crane base @ GL2'+J)	6	04-Jan-20	17-Jan-20	20-May-20	26-May-20	-102	100%	0%											
<b>BASEMENT &amp; PODIUM</b>																				
<b>Construction</b>																				
<b>Initial Works, Establishment &amp; Miscellaneous</b>																				
14238a	POD - Architectural Lightings Installation (C41/42/86/90)	12	03-Feb-20	15-Feb-20	06-Jul-20	18-Jul-20	-128	100%	0%											
14238b	POD - Architectural Lightings Installation (C41/42/43/82/83/86)	12	10-Feb-20	22-Feb-20	07-Jul-20	20-Jul-20	-123	100%	0%											
14238c	POD - Architectural Lightings Installation (C50/65/88)	12	17-Feb-20	29-Feb-20	08-Jul-20	21-Jul-20	-118	100%	0%											
<b>*Auditorium &gt; GF (SZ7)</b>																				
<b>ABWF Works &amp; MEP Works</b>																				
9328	POD_AUD - All Other Finishes/Remedial/Cleaning Works	30	17-Jan-20	28-Feb-20	13-May-20	16-Jun-20	-91	100%	0%											
<b>Inclined structure High Level Works</b>																				
10054	POD_AUD - MEP works Final Fix in TWG panels	9			24-Feb-20A	11-Mar-20		0%	10%											
1159	POD_AUD - Remove Susp. Work Platform for HL Ceiling Wrks above Inclined Struct	12	15-Nov-19	28-Nov-19	12-Mar-20	25-Mar-20	-92	100%	0%											
9062	POD_AUD - Install LED Screen Panels	12	03-Oct-19	17-Oct-19	04-Jul-20	17-Jul-20	-222	100%	0%											
<b>Inclined structure Low Level Works</b>																				
6859	POD_AUD - Clean Concrete & Glazing Walls	6	10-Jan-20	16-Jan-20	23-Dec-19A	07-Mar-20	-37	100%	90%											
6857	POD_AUD - Install Metal Balustrade (* 2 shifts)	8	21-Dec-19	02-Jan-20	16-Mar-20*	24-Mar-20	-63	100%	0%											
6858	POD_AUD - Erect Metal Scaffold along the wall for curtain install	6	03-Jan-20	09-Jan-20	25-Mar-20	31-Mar-20	-63	100%	0%											
6860	POD_AUD - Install Curtains	9	17-Jan-20	07-Feb-20	16-May-20	26-May-20	-91	100%	0%											
6861	POD_AUD - Dismantle Scaffold (after curtains, conc. glazing remedial wrks)	6	24-Jan-20	14-Feb-20	27-May-20	02-Jun-20	-91	100%	0%											
6856	POD_AUD - Install Plywood Base & Timber Flooring (* 2 shifts) and door/iron	20	28-Nov-19	21-Dec-19	02-Jun-20	26-Jun-20	-149	100%	0%											
<b>Cinemas (B1-GF)</b>																				
<b>ABWF Works &amp; MEP Works</b>																				
4037	POD_Cinema - All Other Finishes/Remedial/Cleaning Works	36	26-Nov-19	08-Jan-20	14-Apr-20	26-May-20	-110	100%	0%											
<b>180 Seats Cinema - POD_LG_Z18a</b>																				
4016	POD_LG_Z18a_C180 - Low level MEP final fix (temp lighting for FS inspection, perman	6	22-Nov-19	03-Dec-19	19-Oct-19A	07-Mar-20	-73	100%	60%											
4023	POD_LG_Z18a_C180 - Install Cinema Screen & MEP	6	12-Nov-19	25-Nov-19	19-Oct-19A	07-Mar-20	-80	100%	60%											
4011	POD_LG_Z18a_C180 - Ceiling MEP final fix (*2 shifts) (temp lighting for FS inspection)	7	04-Sep-19	11-Sep-19	20-Jan-20A	09-Mar-20	-142	100%	60%											
4019	POD_LG_Z18a_C180 - Door & Ironmong	3	19-Nov-19	21-Nov-19	24-Feb-20A	04-Mar-20	-80	100%	20%											
4014	POD_LG_Z18a_C180 - Steps Plywood (*2shifts)	6	27-Sep-19	05-Oct-19	10-Mar-20	16-Mar-20	-129	100%	0%											
4017	POD_LG_Z18a_C180 - Walls finishes (acoustic panels)	21	15-Oct-19	11-Nov-19	31-Mar-20	24-Apr-20	-132	100%	0%											
4010a	POD_LG_Z18a_C180 - Close Ceilings (acoustic panels over with permanent lighting)	12			17-Apr-20*	02-May-20		0%	0%											
4015	POD_LG_Z18a_C180 - Install Carpets (*2 shifts)	7	21-Nov-19	29-Nov-19	24-Apr-20	04-May-20	-123	100%	0%											
4036	POD_LG_Z18a_C180 - Install Curtain	3	26-Nov-19	28-Nov-19	16-May-20	19-May-20	-137	100%	0%											
4020	POD_LG_Z18a_C180 - Install Seating	12	30-Nov-19	13-Dec-19	04-Jul-20	17-Jul-20	-173	100%	0%											
<b>60 Seats Cinema - POD_LG_Z18b</b>																				
1115	POD_LG_Z18b_C60 - Install Cinema Screen & MEP	6	17-Oct-19	23-Oct-19	17-Oct-19A	07-Mar-20	-108	100%	60%											
1119	POD_LG_Z18b_C60 - Low level MEP final fix (temp lighting for FS inspection, perman	6	30-Oct-19	07-Nov-19	18-Oct-19A	07-Mar-20	-95	100%	60%											
1109	POD_LG_Z18b_C60 - Ceiling MEP final fix	6	29-Aug-19	04-Sep-19	20-Jan-20A	07-Mar-20	-147	100%	60%											
1116	POD_LG_Z18b_C60 - Door & Ironmong	3	24-Oct-19	26-Oct-19	24-Feb-20A	04-Mar-20	-102	100%	20%											
1112	POD_LG_Z18b_C60 - Steps Plywood	6	20-Sep-19	26-Sep-19	09-Mar-20	14-Mar-20	-135	100%	0%											
1113	POD_LG_Z18b_C60 - Walls finishes (acoustic panels)	12	02-Oct-19	16-Oct-19	11-Apr-20	24-Apr-20	-154	100%	0%											
1108a	POD_LG_Z18b_C60 - Close Ceilings (acoustic panels incl permanent lighting)	8			18-Apr-20*	27-Apr-20		0%	0%											
1118	POD_LG_Z18b_C60 - Install Carpets	4	28-Oct-19	31-Oct-19	25-Apr-20	29-Apr-20	-145	100%	0%											
1117	POD_LG_Z18b_C60 - Install Curtain	2	24-Oct-19	25-Oct-19	16-May-20	18-May-20	-165	100%	0%											
1121	POD_LG_Z18b_C60 - Install Seating	7	21-Oct-19	08-Nov-19	18-Jul-20	25-Jul-20	-210	100%	0%											
<b>40 Seats Cinema - POD_LG_Z18c</b>																				
1137	POD_LG_Z18c_C40 - Install Cinema Screen & MEP	6	04-Oct-19	11-Oct-19	17-Oct-19A	07-Mar-20	-118	100%	60%											
1142	POD_LG_Z18c_C40 - Low level MEP final fix (temp lighting for FS inspection, perman	6	18-Oct-19	26-Oct-19	18-Oct-19A	07-Mar-20	-105	100%	60%											
1131	POD_LG_Z18c_C40 - Ceiling MEP final fix	6	19-Aug-19	24-Aug-19	20-Jan-20A	07-Mar-20	-156	100%	60%											
1139	POD_LG_Z18c_C40 - Door & Ironmong	3	12-Oct-19	15-Oct-19	24-Feb-20A	04-Mar-20	-112	100%	20%											
1134	POD_LG_Z18c_C40 - Steps Plywood	6	07-Sep-19	13-Sep-19	09-Mar-20*	14-Mar-20	-145	100%	0%											
1141	POD_LG_Z18c_C40 - Install Carpets	4	16-Oct-19	19-Oct-19	16-Mar-20	19-Mar-20	-121	100%	0%											
1135	POD_LG_Z18c_C40 - Walls finishes (acoustic panels)	12	19-Sep-19	03-Oct-19	16-Mar-20	24-Apr-20	-164	100%	0%											
1130a	POD_LG_Z18c_C40 - Close Ceilings (acoustic panels incl permanent lighting)	6			17-Apr-20*	24-Apr-20		0%	0%											
1140	POD_LG_Z18c_C40 - Install Curtain	2	12-Oct-19	14-Oct-19	16-May-20	18-May-20	-175	100%	0%											
1143	POD_LG_Z18c_C40 - Install Seating	7	21-Oct-19	28-Oct-19	27-Jul-20	03-Aug-20	-227	100%	0%											
<b>Moving Image Centre Lobby/Bar &amp; Museum Shop No.2 (B1-GF) - POD_B1_Z09b</b>																				
<b>ABWF &amp; MEP Works (SZ7)</b>																				
8725	POD_B1_Z09b - MEP 1st fix (*2 shifts)	3	24-Aug-19	09-Oct-19	16-Sep-19A	04-Mar-20	-117	100%	86%											
8728	POD_B1_Z09b - MEP 2nd fix (*2 shifts)	5	19-Oct-19	06-Nov-19	18-Nov-19A	06-Mar-20	-95	100%	42%											
8727	POD_B1_Z09b - Ceiling Grids Moving Image & Espresso Only (*2 shifts)	2	09-Oct-19	19-Oct-19	13-Jan-20A	04-Mar-20	-108	100%	90%											
8734	POD_B1_Z09b - Door / Ironmong	3	24-Dec-19	31-Dec-19	20-Jan-20A	05-Mar-20	-47	100%	50%											
8730	POD_B1_Z09b - Close ceiling (panels) w/ In-situ Cut-Out of Openings (*2 shifts)	12	06-Nov-19	22-Nov-19	05-Mar-20	18-Mar-20	-91	100%	0%											
8726a	POD_B1_Z09b - Install security shutter	6			05-Mar-20	11-Mar-20		0%	0%											
8731	POD_B1_Z09b - MEP final fix	9	23-Nov-19	03-Dec-19	13-Mar-20	24-Mar-20	-86	100%	0%											
8732	POD_B1_Z09b - Wall finishes (subframe, ply + timber) @ Espresso Bar	12	27-Nov-19	10-Dec-19	11-May-20*	23-May-20	-131	100%	0%											
8729	POD_B1_Z09b - Floor finishes (resilient layer, ply + timber) @ MIC Lob & Esp. Bar	11	11-Dec-19	23-Dec-19	25-May-20	05-Jun-20	-131	100%	0%											
8735	POD_B1_Z09b - Install FF&E	12	24-Dec-19	08-Jan-20	04-Jul-20	17-Jul-20	-153	100%	0%											
8733	POD_B1_Z09b - All Other Finishes / Make Good & Clean	12	02-Jan-20	15-Jan-20	11-Jul-20	24-Jul-20	-153	100%	0%											
<b>Lecture Theatre &amp; Adjacent Areas</b>																				
<b>ABWF Works &amp; MEP Works</b>																				
8076	POD_GF_Z04 - All Other Finishes (blackout curtain)/Make Good & Clean	24	12-Dec-19	10-Jan-20	04-Jul-20	31-Jul-20	-163	100%	0%											
<b>Lecture Theatre, Lobby &amp; Adjacent BoH Rooms @ G.L.C-D+/-11-14 - POD_GF_Z04</b>																				
8089	POD_GF_Z04_LTH - MEP 2nd Fix	2	10-Sep-19	02-Oct-19	19-Aug-19A	07-Mar-20	-125	100%	99%											
8088	POD_GF_Z04_LTH - Dry Wall Frame & Board (one side)	3	11-Jul-19	22-Jul-19	18-Nov-19A	04-Mar-20	-182	100%	60%											
8090	POD_GF_Z04_LTH - Dry Wall MEP Services/Conduits MEP 1st fix	2	23-Jul-19	05-Aug-19	21-Nov-19A	05-Mar-20	-171	100%	90%											
8097	POD_GF_Z04_LTH - Ceiling rods	2	11-Jul-19	18-Jul-19	21-Nov-19A	03-Mar-20	-184	100%	55%											
8098	POD_GF_Z04_LTH - Ceiling grids	4	30-Aug-19	07-Sep-19	25-Nov-19A	05-Mar-20	-142	100%	55%											
8091	POD_GF_Z04_LTH - Close Dry Wall	5	18-Sep-19	02-Oct-19	20-Jan-20A	10-Mar-20	-127	100%	35%											
8095	POD_GF_Z04_LTH - Door / Ironmong	6	03-Dec-19	09-Dec-19	22-Jan-20A	10-Mar-20	-70	100%												

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020										
										Qtr 1			Qtr 2			Qtr 3				
										Feb	Mar	Apr	May	Jun	Jul	Aug	Sep			
8026	POD_GF_Z06a_FoHToilet - Conc flr curing, polishing & install protection	4	21-Aug-19	03-Oct-19	14-Nov-19A	05-Mar-20	-122	100%	93%											
8006	POD_GF_Z06a_FoHToilet - Wall Tile Finishes	3	04-Oct-19	15-Oct-19	13-Jan-20A	07-Mar-20	-115	100%	95%											
7999	POD_GF_Z06a_FoHToilet - Close ceiling (board) incl. Cut-Outs	5	02-Aug-19	09-Aug-19	17-Feb-20A	06-Mar-20	-168	100%	60%											
8010	POD_GF_Z06a_FoHToilet - Ceiling finishes final coat	3	10-Aug-19	13-Aug-19	24-Feb-20A	09-Mar-20	-167	100%	40%											
8003	POD_GF_Z06a_FoHToilet - MEP final fix	6	14-Aug-19	20-Aug-19	10-Mar-20	16-Mar-20	-167	100%	0%											
8007	POD_GF_Z06a_FoHToilet - Cubicle partitions & sanitary ware & fittings	6	16-Oct-19	22-Oct-19	14-Apr-20	20-Apr-20	-145	100%	0%											
7996	POD_GF_Z06a_FoHToilet - Door/Ironmong	2	23-Oct-19	24-Oct-19	21-Apr-20	22-Apr-20	-145	100%	0%											
<b>Toilet Lobby/Vestibule &amp; Baby Care Room</b>																				
8021	POD_GF_Z06a_FoHToiletLob - Conc flr curing, polishing & install protection	3	21-Aug-19	03-Oct-19	14-Nov-19A	05-Mar-20	-122	100%	90%											
8022	POD_GF_Z06a_FoHToiletLob - Ceiling rods	2	18-May-19	21-May-19	27-Nov-19A	03-Mar-20	-232	100%	30%											
8017	POD_GF_Z06a_FoHToiletLob - Ceiling grids	2	13-Jun-19	14-Jun-19	17-Feb-20A	04-Mar-20	-213	100%	20%											
8019a	POD_GF_Z06a_FoHToiletLob - Ceiling finishes (MR Gypsum/Plywood backing for fir	6	02-Oct-19	12-Oct-19	04-Mar-20	10-Mar-20		0%	0%											
8020	POD_GF_Z06a_FoHToiletLob - MEP final fix	6	19-Jul-19	25-Jul-19	11-Mar-20	17-Mar-20	-190	100%	0%											
8019	POD_GF_Z06a_FoHToiletLob - Ceiling finishes (Timber)	6	11-Jul-19	17-Jul-19	24-Jun-20	02-Jul-20	-285	100%	0%											
8025	POD_GF_Z06a_FoHToiletLob - Wall Finishes (Ply + Timber)	6	04-Oct-19	11-Oct-19	03-Jun-20	09-Jul-20	-220	100%	0%											
<b>BoH of Learning Centre (Lift Lobby &amp; MEP) - POD_GF_Z06b</b>																				
8036	POD_GF_Z06b_BoH - B'wall, tie bolt holes, plaster, screed, Sealer	2	18-May-19	08-Jun-19	23-Sep-19A	03-Mar-20	-217	100%	95%											
8041	POD_GF_Z06b_BoH - Door & Ironmong, access panels	3	25-Jul-19	31-Jul-19	23-Dec-19A	05-Mar-20	-175	100%	90%											
8039	POD_GF_Z06b_BoH - MEP final fix	3	19-Jul-19	22-Jul-19	02-Mar-20	04-Mar-20	-182	100%	0%											
8040	POD_GF_Z06b_BoH - Floor sealer	2	23-Jul-19	24-Jul-19	05-Mar-20	06-Mar-20	-182	100%	0%											
<b>Learning Centre &amp; Associated Areas - POD_L1_Z01</b>																				
<b>FoH Learning Centre incl. Corridor &amp; Lift Lobby - POD_L1_Z01</b>																				
9682	POD_L1_Z01_LC - Install Glazing Partition	6	25-Nov-19	07-Dec-19	21-Nov-19A	20-Mar-20	-80	100%	90%											
9732	POD_L1_Z01_LC - Close Dry Wall	3	09-Jul-19	11-Jul-19	16-Dec-19A	04-Mar-20	-191	100%	50%											
8141	POD_L1_Z01_LC - Doors & Ironmong	3	23-Dec-19	30-Dec-19	20-Jan-20A	04-Mar-20	-48	100%	70%											
8144	POD_L1_Z01_LC - MEP final fix	9	02-Oct-19	12-Oct-19	02-Mar-20	11-Mar-20	-120	100%	0%											
9678	POD_L1_Z01_LC - Install Metal Guard Rail @ Slab Edges	12	13-Jun-19	26-Jun-19	05-Mar-20	18-Mar-20	-215	100%	0%											
9733	POD_L1_Z01_LC - Wall finishes on dry wall (timber panels)	6	02-Oct-19	09-Oct-19	01-Jun-20	06-Jun-20	-196	100%	0%											
9681	POD_L1_Z01_LC - Install Movable Partition	6	17-Sep-19	30-Sep-19	03-Jun-20	09-Jun-20	-204	100%	0%											
8142	POD_L1_Z01_LC - Floor finishes (resilient layer, ply + timber, floor sealer)	12	18-Nov-19	30-Nov-19	10-Jun-20	23-Jun-20	-165	100%	0%											
8191	POD_L1_Z01_LC - Facade timber mullion capping	12	02-Dec-19	14-Dec-19	24-Jun-20	09-Jul-20	-165	100%	0%											
8146	POD_L1_Z01_LC - Install FF&E	12	09-Dec-19	21-Dec-19	18-Jul-20	31-Jul-20	-178	100%	0%											
8143	POD_L1_Z01_LC - All Other Finishes / Make Good & Clean	12	23-Dec-19	07-Jan-20	25-Jul-20	07-Aug-20	-172	100%	0%											
<b>Toilets - Learning Centre - POD_L1_Z01</b>																				
<b>Toilet Block</b>																				
8178	POD_L1_Z01_FoHToilet - Conc flr curing, polishing & install protection	3	31-Aug-19	15-Oct-19	15-Nov-19A	04-Mar-20	-112	100%	90%											
8154	POD_L1_Z01_FoHToilet - Door Frame	2	06-Jul-19	08-Jul-19	25-Nov-19A	03-Mar-20	-193	100%	30%											
8158	POD_L1_Z01_FoHToilet - Wall Tile Finishes	2	16-Oct-19	24-Oct-19	13-Jan-20A	06-Mar-20	-106	100%	90%											
8151	POD_L1_Z01_FoHToilet - Close ceiling (board) incl. Cut-Outs	3	14-Aug-19	20-Aug-19	10-Feb-20A	04-Mar-20	-157	100%	70%											
8162	POD_L1_Z01_FoHToilet - Ceiling finishes final coat	3	21-Aug-19	23-Aug-19	17-Feb-20A	06-Mar-20	-156	100%	40%											
8155	POD_L1_Z01_FoHToilet - MEP final fix	6	24-Aug-19	30-Aug-19	07-Mar-20	13-Mar-20	-156	100%	0%											
8159	POD_L1_Z01_FoHToilet - Cubicle partitions & sanitary ware & fittings	6	25-Oct-19	31-Oct-19	14-Apr-20	20-Apr-20	-137	100%	0%											
8148	POD_L1_Z01_FoHToilet - Door/Ironmong	2	01-Nov-19	02-Nov-19	21-Apr-20	22-Apr-20	-137	100%	0%											
<b>Toilet Lobby/Vestibule</b>																				
8174	POD_L1_Z01_FoHToiletLob - Ceiling rods	2	25-May-19	28-May-19	02-Mar-20*	03-Mar-20	-226	100%	0%											
8171a	POD_L1_Z01_FoHToiletLob - Ceiling finishes (MR Gypsum/Plywood backing for timb	6			02-Mar-20	07-Mar-20		0%	0%											
8169	POD_L1_Z01_FoHToiletLob - Ceiling grids	2	13-Jun-19	14-Jun-19	04-Mar-20	05-Mar-20	-214	100%	0%											
8172	POD_L1_Z01_FoHToiletLob - MEP final fix	6	25-Jul-19	31-Jul-19	09-Mar-20	14-Mar-20	-183	100%	0%											
8171	POD_L1_Z01_FoHToiletLob - Ceiling finishes (Timber)	6	11-Jul-19	17-Jul-19	10-Jul-20	16-Jul-20	-297	100%	0%											
8177	POD_L1_Z01_FoHToiletLob - Wall finishes (Ply + Timber)	6	18-Jul-19	24-Jul-19	17-Jul-20	23-Jul-20	-297	100%	0%											
8173	POD_L1_Z01_FoHToiletLob - Floor finishes (resilient layer, ply + timber)	6	18-Nov-19	23-Nov-19	24-Jul-20	30-Jul-20	-201	100%	0%											
<b>Moving Image Centre (GF-1M) - POD_GF_Z01</b>																				
<b>ABWF &amp; MEP Works (SZ7)</b>																				
8790	POD_GF-1M_Z01 - MEP 2nd fix	3	12-Aug-19	31-Aug-19	07-Oct-19A	10-Mar-20	-152	100%	98%											
8738	POD_GF-1M_Z01 - Ceiling & wall sealer	3	08-May-19	21-May-19	21-Oct-19A	04-Mar-20	-233	100%	25%											
8743a	POD_GF-1M_Z01 - Install security shutters	3			10-Feb-20A	06-Mar-20		0%	80%											
8744	POD_GF-1M_Z01 - Floor concrete pavers	15	20-Sep-19	15-Oct-19	24-Feb-20A	18-Mar-20	-124	100%	30%											
8742	POD_GF-1M_Z01 - MEP final fix	9	09-Sep-19	19-Sep-19	04-Mar-20	13-Mar-20	-140	100%	0%											
8746	POD_GF-1M_Z01 - Install FF&E	12	16-Oct-19	29-Oct-19	25-Jul-20	07-Aug-20	-230	100%	0%											
8745	POD_GF-1M_Z01 - All Other Finishes / Make Good & Clean	12	23-Oct-19	05-Nov-19	01-Aug-20	14-Aug-20	-230	100%	0%											
<b>Found &amp; Industrial Spaces (B2-GF) - POD_B2_Z13</b>																				
<b>ABWF Works &amp; MEP Works</b>																				
7839	POD_B2_Z13_Found/Indust_S - Doors & Ironmong	2	20-Jan-20	21-Jan-20	20-Mar-20	21-Mar-20	-45	100%	0%											
7827	POD_Found/Indust_S - All Other Finishes/Remedials	30	22-Jan-20	04-Mar-20	30-Jun-20	04-Aug-20	-127	90%	0%											
<b>Industrial Space</b>																				
3932b	POD_B2_Z13_Indust_S - MEP Light Fittings (under Deck) final fix	2			08-Jan-20A	03-Mar-20		0%	94%											
8923b	POD_B2_Z13_Indust_S - Floor Finishes (resilient layer, plywood base)	24			11-Apr-20	09-May-20		0%	0%											
8923	POD_B2_Z13_Indust_S - Floor Finishes (Timber)	30	20-Nov-19	16-Jan-20	11-May-20	13-Jun-20	-119	100%	0%											
<b>Found Space (SZ1, SZ2a &amp; SZ2b)</b>																				
6931	POD_B2_Z13_Found_S - MEP 1st, 2nd & final fix	3	04-Jul-19	26-Sep-19	24-Sep-19A	04-Mar-20	-126	100%	83%											
6929	POD_B2_Z13_Found_S - Wall Sealer	6	19-Jun-19	10-Jul-19	22-Oct-19A	07-Mar-20	-195	100%	10%											
6927	POD_B2_Z13_Found_S - Ceiling Sealer	3	06-Jun-19	18-Jun-19	18-Nov-19A	04-Mar-20	-210	100%	80%											
7851	POD_B2_Z13_Found_S - 2no. SR3 O'S Door & Iron. (Use Temp for FSD)	3	16-Sep-19	18-Sep-19	10-Feb-20A	06-Mar-20	-135	100%	50%											
7851a	POD_B2_Z13_Found_S - 2no. SR3 O'S Door & Iron. (Permanent)	4			17-Feb-20A	02-Jun-20		0%	50%											
6935a	POD_B2_Z13_Found_S - Floor Finishes (resilient layer, plywood base)	24			18-May-20	13-Jun-20		0%	0%											
6935	POD_B2_Z13_Found_S - Floor Finishes (Timber)	30	22-Nov-19	18-Jan-20	15-Jun-20	21-Jul-20	-147	100%	0%											
<b>Found Industrial Space Passages (2 Nos)</b>																				
7833	POD_B2_Z13_Found/Indust_S - MEP 1st fix	2	03-Aug-19	16-Aug-19	23-Sep-19A	03-Mar-20	-159	100%	90%											
7835	POD_B2_Z13_Found/Indust_S - MEP 2nd fix	5	20-Aug-19	26-Aug-19	18-Nov-19A	06-Mar-20	-154	100%	65%											
7837	POD_B2_Z13_Found/Indust_S - MEP final fix	4	03-Sep-19	06-Sep-19	23-Dec-19A	11-Mar-20	-148	100%	30%											
7834	POD_B2_Z13_Found/Indust_S - Metal Ceiling Grids	2	17-Aug-19	19-Aug-19	04-Mar-20	05-Mar-20	-159	100%	0%											
7836	POD_B2_Z13_Found/Indust_S - Close ceiling (panels)	4	27-Aug-19	31-Aug-19	05-Mar-20															

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020							
										Qtr 1		Qtr 2			Qtr 3		Sep
										Feb	Mar	Apr	May	Jun	Jul	Aug	
7559	POD_B2_Z05.06 Toilets - All Other Finishes / Make Good & Clean	12	25-Nov-19	07-Dec-19	18-May-20	30-May-20	-139	100%	0%								
<b>Toilet Block</b>																	
6739	POD_B2_Z05_FoH Toilet - MEP 1st fix Ceiling	2	06-May-19	29-May-19	23-Apr-19A	03-Mar-20	-225	100%	95%								
6729	POD_B2_Z05_FoH Toilet - MEP 2nd fix	4	12-Jun-19	25-Jun-19	07-Oct-19A	07-Mar-20	-207	100%	80%								
6731	POD_B2_Z05_FoH Toilet - MEP final fix	9	08-Jul-19	13-Jul-19	14-Oct-19A	16-Mar-20	-199	100%	35%								
6763	POD_B2_Z05_FoH Toilet - Conc flr curing, polishing & install protection	9	15-Jul-19	24-Aug-19	16-Dec-19A	19-Mar-20	-166	100%	50%								
6726	POD_B2_Z05_FoH Toilet - Ceiling Rods & Grids	3	06-Jun-19	11-Jun-19	25-Dec-19A	05-Mar-20	-217	100%	40%								
6734	POD_B2_Z05_FoH Toilet - Wall tile finishes	6	26-Aug-19	04-Sep-19	24-Feb-20A	07-Mar-20	-147	100%	30%								
6727	POD_B2_Z05_FoH Toilet - Close ceiling (board) incl. Cut-Outs	6	26-Jun-19	03-Jul-19	04-Mar-20	10-Mar-20	-203	100%	0%								
6730	POD_B2_Z05_FoH Toilet - Door Frame	2	30-May-19	31-May-19	04-Mar-20	05-Mar-20	-225	100%	0%								
6738	POD_B2_Z05_FoH Toilet - Ceiling finishes final coat	3	04-Jul-19	06-Jul-19	10-Mar-20	12-Mar-20	-202	100%	0%								
6735	POD_B2_Z05_FoH Toilet - Cubicle partitions & sanitary ware & fittings	6	05-Sep-19	11-Sep-19	14-Apr-20	20-Apr-20	-177	100%	0%								
6724	POD_B2_Z05_FoH Toilet - Door/Ironmong	2	12-Sep-19	13-Sep-19	21-Apr-20	22-Apr-20	-177	100%	0%								
<b>Toilet Lobby/Vestibule</b>																	
7552	POD_B2_Z05_FoH ToiletLob - MEP 1st fix	2	15-Apr-19	27-Apr-19	13-May-19A	03-Mar-20	-251	100%	94%								
7554	POD_B2_Z05_FoH ToiletLob - MEP 2nd fix	5	02-May-19	08-May-19	07-Oct-19A	07-Mar-20	-247	100%	80%								
7557	POD_B2_Z05_FoH ToiletLob - MEP final fix	8	22-Jul-19	27-Jul-19	14-Oct-19A	13-Mar-20	-185	100%	10%								
7556a	POD_B2_Z05_FoH ToiletLob - Wall finishes (Plywood backing)	4			16-Jan-20A	07-Mar-20		0%	70%								
7551	POD_B2_Z05_FoH ToiletLob - Ceiling rods	2	11-Apr-19	13-Apr-19	02-Mar-20	03-Mar-20	-263	100%	0%								
7553	POD_B2_Z05_FoH ToiletLob - Ceiling grids	2	29-Apr-19	30-Apr-19	04-Mar-20	05-Mar-20	-251	100%	0%								
7555a	POD_B2_Z05_FoH ToiletLob - Ceiling finishes (Plywood backing for Timber fin)	4			06-Mar-20	10-Mar-20		0%	0%								
7558a	POD_B2_Z05_FoH ToiletLob - Floor finishes (resilient layer, plywood base)	4			09-Mar-20	12-Mar-20		0%	0%								
7555	POD_B2_Z05_FoH ToiletLob - Ceiling finishes (Timber)	4	11-Jul-19	15-Jul-19	11-May-20*	14-May-20	-247	100%	0%								
7556	POD_B2_Z05_FoH ToiletLob - Wall finishes (Timber)	4	15-Jul-19	20-Jul-19	15-May-20	19-May-20	-246	100%	0%								
7558	POD_B2_Z05_FoH ToiletLob - Floor finishes (Timber)	4	18-Nov-19	23-Nov-19	20-May-20	23-May-20	-145	100%	0%								
<b>BoH Toilets - POD_B2_Z06</b>																	
6751	POD_B2_Z06_BoH Toilet - MEP 1st fix (rem works)	2	13-Apr-19	29-Apr-19	23-Apr-19A	03-Mar-20	-250	100%	95%								
6755	POD_B2_Z06_BoH Toilet - MEP 2nd fix	4	14-May-19	27-May-19	26-Apr-19A	06-Mar-20	-230	100%	90%								
6759	POD_B2_Z06_BoH Toilet - MEP final fix	6	24-Jun-19	29-Jun-19	28-Oct-19A	11-Mar-20	-206	100%	50%								
6756	POD_B2_Z06_BoH Toilet - Close ceiling (board) incl. Cut-Outs	6	28-May-19	05-Jun-19	18-Nov-19A	09-Mar-20	-224	100%	40%								
6761	POD_B2_Z06_BoH Toilet - Door/Ironmong	2	02-Jul-19	03-Jul-19	23-Dec-19A	03-Mar-20	-197	100%	90%								
6760	POD_B2_Z06_BoH Toilet - Cubicle partitions & sanitary ware & fittings	6	24-Jun-19	29-Jun-19	17-Feb-20A	20-Apr-20	-239	100%	65%								
6757	POD_B2_Z06_BoH Toilet - Ceiling finishes final coat	4	06-Jun-19	11-Jun-19	10-Mar-20	13-Mar-20	-224	100%	0%								
<b>BoH Other Rooms, Lobbies, Non-FR Corridors, Loading/Unloading Bays/Docks - POD_B2_Z07 &amp; B2_Z08</b>																	
6843	POD_B2_Z07.08 BoH - All Other Finishes / Make Good & Clean	18	10-Feb-20	29-Feb-20	24-Jun-20	16-Jul-20	-114	100%	0%								
<b>BoH Loading/Unloading Bays/Docks - POD_B2_Z07</b>																	
7425	POD_B2_Z07_BoH - MEP 2nd fix	2	19-Jun-19	07-Aug-19	08-Apr-19A	03-Mar-20	-167	100%	99%								
6888	POD_B2_Z07_BoH - MEP final fix	3	08-Aug-19	04-Sep-19	19-Sep-19A	05-Mar-20	-145	100%	95%								
6890	POD_B2_Z07_BoH - Self leveling screed & Floor sealer	6	05-Sep-19	19-Sep-19	21-Oct-19A	09-Mar-20	-136	100%	20%								
6887	POD_B2_Z07_BoH - Speed gate instrn & testing @ Loading/Unloading/Ramp, Door &	4	29-Jun-19	13-Jul-19	10-Feb-20A	05-Mar-20	-190	100%	80%								
<b>BoH Rooms - Raised Floor &amp; Susp. Ceiling Area - POD_B2_Z08a</b>																	
6777	POD_B2_Z08a_BoH - MEP final fix	6	19-Jul-19	08-Aug-19	14-Oct-19A	10-Mar-20	-172	100%	92%								
6773	POD_B2_Z08a_BoH - Close ceiling (panels) incl. Cut-Outs	6	14-May-19	28-May-19	13-Nov-19A	07-Mar-20	-230	100%	25%								
6776	POD_B2_Z08a_BoH - Doors & Ironmong	2	13-Aug-19	19-Aug-19	16-Dec-19A	03-Mar-20	-157	100%	90%								
6778	POD_B2_Z08a_BoH - Carpet flooring/rubber tiling	3	09-Aug-19	12-Aug-19	11-Mar-20	13-Mar-20	-172	100%	0%								
<b>BoH Rooms - Susp. Ceiling Area - POD_B2_Z08b</b>																	
6814	POD_B2_Z08b_BoH - MEP 1st fix	2	04-May-19	15-Jul-19	13-May-19A	03-Mar-20	-187	100%	99%								
6816	POD_B2_Z08b_BoH - MEP 2nd fix	3	12-Aug-19	07-Sep-19	08-Jul-19A	06-Mar-20	-143	100%	94%								
6822	POD_B2_Z08b_BoH - Wall final paint	6	25-Oct-19	31-Oct-19	22-Aug-19A	07-Mar-20	-101	100%	75%								
6824	POD_B2_Z08b_BoH - MEP final fix	5	25-Oct-19	14-Nov-19	14-Oct-19A	14-Mar-20	-95	100%	85%								
6817	POD_B2_Z08b_BoH - Close ceiling (panels) incl. Cut-Outs	9	09-Sep-19	10-Oct-19	06-Jan-20A	11-Mar-20	-122	100%	20%								
6821	POD_B2_Z08b_BoH - Floor sealer	4	15-Nov-19	19-Nov-19	16-Mar-20	19-Mar-20	-95	100%	0%								
<b>BoH Rooms - Refuse/Recycling Rooms @ North of G.L. 6' - POD_B2_Z08c</b>																	
6825	POD_B2_Z08c_BoH - MEP 1st fix (rem works)	2	26-Feb-19	25-Mar-19	08-Apr-19A	03-Mar-20	-279	100%	98%								
6827	POD_B2_Z08c_BoH - MEP 2nd fix	3	26-Mar-19	23-Apr-19	17-Apr-19A	05-Mar-20	-257	100%	98%								
6833	POD_B2_Z08c_BoH - MEP final fix	6	19-Jul-19	01-Aug-19	15-Aug-19A	09-Mar-20	-177	100%	85%								
<b>BoH Rooms, Lobbies, Non-FR Corr, Non Raised Floor &amp; Susp. Ceiling Area - POD_B2_Z08d</b>																	
6837	POD_B2_Z08d_BoH - MEP 1st fix (rem works) (*2 shifts)	2	02-May-19	03-Aug-19	11-Mar-19A	03-Mar-20	-170	100%	97%								
7424	POD_B2_Z08d_BoH - MEP 2nd fix	4	05-Aug-19	16-Oct-19	15-Apr-19A	07-Mar-20	-113	100%	92%								
6839	POD_B2_Z08d_BoH - Door & Ironmong	2	22-Jan-20	19-Feb-20	11-Sep-19A	03-Mar-20	-11	100%	95%								
6840	POD_B2_Z08d_BoH - MEP final fix	6	24-Oct-19	20-Nov-19	16-Sep-19A	10-Mar-20	-86	100%	85%								
6846	POD_B2_Z08d_BoH - Install security shutters (5nos. SR3/ 3nos. normal)	3	24-Sep-19	23-Oct-19	14-Oct-19A	10-Mar-20	-110	100%	85%								
6847	POD_B2_Z08d_BoH - 10nos. SR3 Doors/3nos. O'S SR3 Doors & Iron., (Use temp for F	6	17-Oct-19	30-Oct-19	25-Nov-19A	13-Mar-20	-107	100%	80%								
8931	POD_B2_Z08d_BoH - Wall final paint	6	14-Nov-19	07-Jan-20	18-Dec-19A	09-Mar-20	-46	100%	50%								
6841a	POD_B2_Z08d_BoH - Remove Bench Mark/Mock-up Panel at Rm B2-1-040	4			20-Jan-20A	05-Mar-20		0%	15%								
6842	POD_B2_Z08d_BoH - Floor sealer	24	29-Nov-19	21-Jan-20	11-Mar-20	08-Apr-20	-59	100%	0%								
6847a	POD_B2_Z08d_BoH - 3nos. O'S SR3 Doors & Iron., (Permanent)	5			04-Jul-20	09-Jul-20		0%	0%								
<b>Level B1</b>																	
<b>ABWF Works &amp; MEP Works</b>																	
<b>BoH Plant Rooms &amp; Corridors @ GL (2 to 10/L to M) - POD_B1_Z02</b>																	
8765	POD_B1_Z02_BoH - MEP 1st fix	2	29-Jul-19	23-Sep-19	13-May-19A	03-Mar-20	-128	100%	95%								
7056	POD_B1_Z02_BoH - MEP 2nd fix	5	24-Sep-19	23-Oct-19	15-Jul-19A	06-Mar-20	-107	100%	81%								
7059	POD_B1_Z02_BoH - Door & Ironmong	3	26-Nov-19	02-Dec-19	16-Sep-19A	09-Mar-20	-75	100%	95%								
7063	POD_B1_Z02_BoH - Ceiling & wall epoxy/emulsion paint	6	24-Oct-19	06-Nov-19	14-Oct-19A	09-Mar-20	-97	100%	95%								
7060	POD_B1_Z02_BoH - MEP final fix	9	07-Nov-19	20-Nov-19	17-Dec-19A	11-Mar-20	-87	100%	35%								
7061	POD_B1_Z02_BoH - Floor sealer	4	21-Nov-19	25-Nov-19	12-Mar-20	12-Mar-20	-87	100%	0%								
7062	POD_B1_Z02_BoH - All Other Finishes / Make Good & Clean	12	26-Nov-19	09-Dec-19	10-Mar-20	23-Mar-20	-81	100%	0%								
<b>BoH Rooms &amp; Plant Rooms @ GL (2 to 4/E to J+) - POD_B1_Z03</b>																	
7093	POD_B1_Z03_BoH - Door & Ironmong	3	02-Aug-19	08-Aug-19	23-Sep-19A	04-Mar-20	-167	100%	80%								
7096	POD_B1_Z03_BoH - Floor sealer	3	30-Jul-19	01-Aug-19	05-Mar-20	07-Mar-20	-176	100%	0%								
7097	POD_B1_Z03_BoH - All Other Finishes / Make Good & Clean	9	02-Aug-19	15-Aug-19	17-Feb-20A	14-Mar-20	-170	100%	20%								
<b>BoH Plant Rooms @ GL (2 to 12/A to D+) - POD_B1_Z04</b>																	
7107	POD_B1_Z04_BoH - All Other Finishes / Make Good & Clean	18	08-Oct-19	28-Oct-19	02-Mar-20	21-Mar-20	-116	100%	0%								
<b>BoH Plant Rooms @ GL (2 to 12/A to D+) - Raised Floor Areas - POD_B1_Z04b</b>																	
7100	POD_B1_Z04b_BoH - MEP 2nd fix	2	02-Apr-19	29-May-19	23-Apr-19A	03-Mar-20	-225	100%	99%								
7105	POD_B1_Z04b_BoH - Rubber tiles on floor	6	28-Sep-19	05-Oct-19	18-Sep-19A	13-Mar-20	-127	100%	95%								
7108	POD_B1_Z04b_BoH - MEP final fix	6	30-Aug-19	27-Sep-19	14-Oct-19A	10-Mar-20	-130	100%	50%								
<b>Cafe &amp; Catering Kitchen - POD_B1_Z05</b>																	
6926	POD_B1_Z05_Kitchen - MEP 1st, 2nd & final fix	3	28-Jun-19	28-Sep-19	26-Jun-19A	04-Mar-20	-124	100%	96%								
6928	POD_B1_Z05_Kitchen - Door & Ironmong</																

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020							
										Qtr 1		Qtr 2			Qtr 3		Sep
										Feb	Mar	Apr	May	Jun	Jul	Aug	
8883	POD_B1_Z06d_FoHToilet- Conc ftr curing, polishing & install protection	6	26-Sep-19	08-Nov-19	16-Dec-19A	16-Mar-20	-101	100%	75%								
8863	POD_B1_Z06d_FoHToilet- Wall finishes	6	09-Nov-19	19-Nov-19	20-Jan-20A	18-Mar-20	-94	100%	80%								
8859	POD_B1_Z06d_FoHToilet- Door Frame	2	03-Aug-19	05-Aug-19	17-Feb-20A	03-Mar-20	-169	100%	75%								
8853	POD_B1_Z06d_FoHToilet- Door/Ironmong	2	27-Nov-19	28-Nov-19	20-Feb-20A	04-Mar-20	-74	100%	75%								
8856	POD_B1_Z06d_FoHToilet- Close ceiling (board) incl. Cut-Outs	8	05-Sep-19	13-Sep-19	02-Mar-20	10-Mar-20	-141	100%	0%								
8867	POD_B1_Z06d_FoHToilet- Ceiling finishes final coat	3	16-Sep-19	18-Sep-19	11-Mar-20	13-Mar-20	-141	100%	0%								
8864	POD_B1_Z06d_FoHToilet- Cubicle partitions & sanitary ware & fittings	6	20-Nov-19	26-Nov-19	14-Apr-20	20-Apr-20	-115	100%	0%								
<b>Toilet Lobby/Vestibule</b>																	
8880	POD_B1_Z06d_FoHToiletLob - MEP 1st fix	2	11-Jun-19	24-Jun-19	16-Sep-19A	03-Mar-20	-204	100%	90%								
8875	POD_B1_Z06d_FoHToiletLob - MEP 2nd fix	4	28-Jun-19	05-Jul-19	19-Sep-19A	07-Mar-20	-199	100%	80%								
8877	POD_B1_Z06d_FoHToiletLob - MEP final fix	6	10-Jul-19	16-Jul-19	23-Sep-19A	13-Mar-20	-195	100%	50%								
8879	POD_B1_Z06d_FoHToiletLob - Ceiling rods	2	06-Jun-19	10-Jun-19	02-Mar-20*	03-Mar-20	-216	100%	0%								
8874	POD_B1_Z06d_FoHToiletLob - Ceiling grids	3	25-Jun-19	27-Jun-19	03-Mar-20	05-Mar-20	-203	100%	0%								
8876a	POD_B1_Z06d_FoHToiletLob - Ceiling finishes (Plywood backing for Timber fin)	3			07-Mar-20	10-Mar-20		0%	0%								
8878	POD_B1_Z06d_FoHToiletLob - Conc ftr curing, polishing & install protection	36	26-Sep-19	08-Nov-19	10-Mar-20	21-Apr-20	-131	100%	0%								
8876	POD_B1_Z06d_FoHToiletLob - Ceiling finishes (Timber)	3	06-Jul-19	09-Jul-19	25-May-20	27-May-20	-263	100%	0%								
8882	POD_B1_Z06d_FoHToiletLob - Wall finishes (Timber)	6	09-Nov-19	15-Nov-19	28-May-20	03-Jun-20	-161	100%	0%								
<b>BoH Other Rooms, Lobbies, Non-FR Corr - GL (2 to 12/A to D+) - POD_B1_Z07a, B1_Z07B &amp; B1_Z07c</b>																	
7293	POD_B1_Z07_BoH- All Other Finishes / Make Good & Clean	18	06-Sep-19	27-Sep-19	02-Mar-20	21-Mar-20	-140	100%	0%								
<b>BoH Other Rooms - Acoustic &amp; Metal Susp. Ceiling Area - B1_Z07b</b>																	
7286	POD_B1_Z07b_BoH- MEP 2nd fix (revised)	2	17-Jun-19	15-Jul-19	15-Apr-19A	03-Mar-20	-187	100%	99%								
7294	POD_B1_Z07b_BoH- MEP final fix	4	17-Aug-19	30-Aug-19	15-Jul-19A	05-Mar-20	-149	100%	70%								
7290	POD_B1_Z07b_BoH- Doors & Ironmong	3	04-Sep-19	21-Oct-19A	04-Mar-20	04-Mar-20	-133	100%	95%								
7292	POD_B1_Z07b_BoH- Final paint- top coat	3	17-Aug-19	23-Aug-19	20-Jan-20A	04-Mar-20	-154	100%	90%								
7291	POD_B1_Z07b_BoH- Floor sealer	3	31-Aug-19	03-Sep-19	06-Mar-20	09-Mar-20	-149	100%	0%								
<b>BoH Rooms, Lobbies, Non-FR Corr - GL (2 to 12/A to D+) - Non Susp. Ceiling Area - POD_B1_Z07c</b>																	
7302	POD_B1_Z07c_BoH- MEP final fix	4	07-Aug-19	20-Aug-19	15-Jul-19A	07-Mar-20	-160	100%	80%								
7328	POD_B1_Z07c_BoH- Wall finishes (epoxy/anti fungal paint @ CBS)	4	31-Jul-19	06-Aug-19	14-Oct-19A	05-Mar-20	-170	100%	75%								
7301	POD_B1_Z07c_BoH- 14nos Door/1no. SR3 O'S Door & Iron. (Use Temp for FSD)	6	06-Sep-19	20-Sep-19	16-Jan-20A	10-Mar-20	-136	100%	75%								
7301a	POD_B1_Z07c_BoH- Door/1no. SR3 O'S Door & Iron. (Permanent)	3			04-Jul-20	07-Jul-20		0%	0%								
<b>FoH Group Check-in and Luggage / General Storage - POD_B1_Z07d</b>																	
7150	POD_B1_Z07d_FoH- MEP 1st fix (rem works)	2	08-Mar-19	19-Apr-19	08-Apr-19A	04-Mar-20	-259	100%	97%								
7155	POD_B1_Z07d_FoH- MEP 2nd fix	3	06-May-19	25-May-19	15-Apr-19A	09-Mar-20	-233	100%	91%								
7163	POD_B1_Z07d_FoH- Conc ftr curing, polishing & install protection	6	06-Aug-19	17-Sep-19	13-Jan-20A	24-Mar-20	-151	100%	75%								
7151	POD_B1_Z07d_FoH- Maintenance platform @ (B1-1-011)	6	20-Apr-19	04-May-19	15-Jan-20A	07-Mar-20	-250	100%	50%								
7153	POD_B1_Z07d_FoH- Ceiling rods	3	04-Mar-19	07-Mar-19	02-Mar-20*	04-Mar-20	-295	100%	0%								
9729	POD_B1_Z07d_FoH- Close Dry Wall	2	06-May-19	07-May-19	02-Mar-20*	03-Mar-20	-244	100%	0%								
7458	POD_B1_Z07d_FoH- Ceiling grids	4	20-Apr-19	24-Apr-19	03-Mar-20	06-Mar-20	-257	100%	0%								
7154a	POD_B1_Z07d_FoH- Ceiling finishes (Plywood backing for Timber fin)	12			07-Mar-20	20-Mar-20		0%	0%								
7162	POD_B1_Z07d_FoH- MEP final fix	9	26-Jul-19	05-Aug-19	14-Mar-20	24-Mar-20	-187	100%	0%								
7158	POD_B1_Z07d_FoH- Doors & Ironmong & access panels	6	18-Sep-19	24-Sep-19	21-Mar-20	27-Mar-20	-148	100%	0%								
7154	POD_B1_Z07d_FoH- Ceiling finishes (Timber)	13	11-Jul-19	25-Jul-19	28-May-20	11-Jun-20	-262	100%	0%								
7160	POD_B1_Z07d_FoH- Wall finishes (Timber)	21	18-Sep-19	14-Oct-19	01-Jun-20	24-Jun-20	-207	100%	0%								
7161	POD_B1_Z07d_FoH- Built-in lockers & shelvings	12	08-Oct-19	21-Oct-19	18-Jun-20	03-Jul-20	-207	100%	0%								
7164	POD_B1_Z07d_FoH- All Other Finishes / Make Good & Clean	18	30-Sep-19	22-Oct-19	18-Jun-20	10-Jul-20	-212	100%	0%								
<b>FoH Floating Slab - Museum Cafe &amp; Catering Table &amp; Chair Storage - POD_B1_Z08</b>																	
6923	POD_B1_Z08_FoH- MEP 1st, 2nd & final fix	4	24-Jun-19	17-Oct-19	02-Sep-19A	06-Mar-20	-112	100%	99%								
3943	POD_B1_Z08_FoH- B'wall, tie bolts, W_sealer, plaster, screed	3	17-Jun-19	22-Jun-19	16-Sep-19A	04-Mar-20	-206	100%	50%								
6922	POD_B1_Z08_FoH- Doors & Ironmong	3	18-Oct-19	24-Oct-19	17-Feb-20A	04-Mar-20	-104	100%	50%								
7459	POD_B1_Z08_FoH- All Other Finishes / Make Good & Clean	12	18-Oct-19	31-Oct-19	02-Mar-20	14-Mar-20	-107	100%	0%								
<b>BoH Plant Rooms (incl. AHU) Corr Adjacent to Cinemas - POD_B1_Z18A</b>																	
8764	POD_B1_Z18A_BoH- AHU- MEP 1st fix	2	23-Aug-19	05-Oct-19	18-Sep-19A	03-Mar-20	-118	100%	96%								
6898	POD_B1_Z18A_BoH- AHU- MEP 2nd fix (incl. EQP)	4	08-Oct-19	28-Oct-19	23-Sep-19A	05-Mar-20	-102	100%	80%								
6900	POD_B1_Z18A_BoH- AHU- Door & Ironmong	3	13-Nov-19	19-Nov-19	24-Sep-19A	04-Mar-20	-82	100%	80%								
6901	POD_B1_Z18A_BoH- AHU- MEP final fix	6	29-Oct-19	07-Nov-19	13-Jan-20A	07-Mar-20	-95	100%	50%								
6902	POD_B1_Z18A_BoH- AHU- Floor sealer	4	08-Nov-19	12-Nov-19	09-Mar-20	12-Mar-20	-95	100%	0%								
<b>BoH Rooms Associated with MIC Lobby &amp; Museum Shop No2 - POD_B1_Z09a</b>																	
3935	POD_B1_Z09a_BoH- B'wall, Drywall, tie bolts, plaster, screed, C_Sealer @Storage	2	20-Jul-19	16-Aug-19	09-Sep-19A	03-Mar-20	-159	100%	90%								
7460	POD_B1_Z09a_BoH- MEP 1st fix	2	21-Aug-19	03-Oct-19	16-Sep-19A	05-Mar-20	-122	100%	95%								
7065	POD_B1_Z09a_BoH- MEP 2nd fix	5	09-Oct-19	29-Oct-19	19-Sep-19A	09-Mar-20	-104	100%	80%								
7069	POD_B1_Z09a_BoH- Doors & Ironmong	6	02-Dec-19	09-Dec-19	23-Sep-19A	07-Mar-20	-69	100%	50%								
7070	POD_B1_Z09a_BoH- MEP final fix	6	16-Nov-19	26-Nov-19	14-Jan-20A	14-Mar-20	-85	100%	50%								
7064	POD_B1_Z09a_BoH- Ceiling rods @ AV Workm Studio, MIC Offices & Dressing Rms	3	17-Aug-19	20-Aug-19	02-Mar-20	04-Mar-20	-157	100%	0%								
7072	POD_B1_Z09a_BoH- Final paint	6	16-Nov-19	22-Nov-19	02-Mar-20*	07-Mar-20	-82	100%	0%								
7066	POD_B1_Z09a_BoH- Close ceiling (panels) w/ Cut-Outs @ AV Workm Studio, MIC Ofc	9	30-Oct-19	08-Nov-19	03-Mar-20	12-Mar-20	-98	100%	0%								
7461	POD_B1_Z09a_BoH- Ceiling grids @ AV Workm Studio, MIC Offices & Dressing Rms	3	04-Oct-19	08-Oct-19	03-Mar-20	05-Mar-20	-119	100%	0%								
7071	POD_B1_Z09a_BoH- Floor sealer @ AV Storage 2 & Museum Shop Storage	2	27-Nov-19	28-Nov-19	16-Mar-20	17-Mar-20	-85	100%	0%								
7074	POD_B1_Z09a_BoH- Floor filling & Install Protection @ Dressing Rms	4	27-Nov-19	02-Dec-19	16-Mar-20	20-Mar-20	-85	100%	0%								
7075	POD_B1_Z09a_BoH- Floor carpet @ AV Workroom Studio	4	27-Nov-19	02-Dec-19	16-Mar-20	20-Mar-20	-85	100%	0%								
7066a	POD_B1_Z09a_BoH- Ceiling finishes (Timber @ B1-1-336 corr only)	3			11-May-20*	13-May-20		0%	0%								
7073	POD_B1_Z09a_BoH- All Other Finishes / Make Good & Clean	12	02-Dec-19	16-Dec-19	14-May-20	27-May-20	-130	100%	0%								
7072a	POD_B1_Z09a_BoH- Wall finishes (Timber @ B1-1-336 corr only)	3			14-May-20	16-May-20		0%	0%								
7075a	POD_B1_Z09a_BoH- Floor finishes (Timber @ B1-1-336 corr only)	3			18-May-20	20-May-20		0%	0%								
<b>FoH Lobby - POD_B1_Z10 (S23 &amp; S24)</b>																	
6916	POD_B1_Z10_FoHLob - MEP 1st fix (*2 shifts)	2	21-Aug-19	19-Oct-19	21-Aug-19A	05-Mar-20	-109	100%	96%								
8792	POD_B1_Z10_FoHLob - MEP 2nd fix (*2 shifts)	5	19-Oct-19	16-Nov-19	26-Aug-19A	07-Mar-20	-87	100%	75%								
6915	POD_B1_Z10_FoHLob - Ceiling & wall sealer (*2 shifts)	2	09-Aug-19	20-Aug-19	09-Sep-19A	03-Mar-20	-157	100%	80%								
6919	POD_B1_Z10_FoHLob - MEP final fix (*2 shifts)	7	16-Nov-19	04-Dec-19	08-Jan-20A	11-Mar-20	-75	100%	50%								
6920a	POD_B1_Z10_FoHLob - Install security shutters	6			04-Mar-20*	11-Mar-20		0%	0%								
6917	POD_B1_Z10_FoHLob - Conc, curing, polishing & install protection - Part 1	7	05-Dec-19	17-Jan-20	11-Nov-19A	16-Mar-20	-42	100%	85%								
9643	POD_B1_Z10_FoHLob - Conc, curing, polishing & install protection - Part 2	7	18-Jan-20	07-Mar-20	18-Nov-19A	18-Mar-20	-9	83.33%	85%								
6921	POD_B1_Z10_FoHLob - All Other Finishes (DOOR) / Make Good & Clean	18	09-Mar-20	28-Mar-20	12-Mar-20	01-Apr-20	-3	0%	0%								
<b>Fire Rated Corridors (Major Routings) - POD_B1_Z11</b>																	
8849	POD_B1_Z11_Corr - All Other Finishes / Make Good & Clean	18	03-Dec-19	24-Dec-19	19-Mar-20	09-Apr-20	-83	100%	0%								

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020								
										Qtr 1		Qtr 2			Qtr 3		Sep	
										Feb	Mar	Apr	May	Jun	Jul	Aug		
<b>Carriageway &amp; Ramp from B1 to B2 - POD_B1_Z15</b>																		
9081	POD-B1_Z15_Carriageway - MEP 1st fix @ GL. 1'-3"/A-M	2	23-Apr-19	25-Jul-19	24-Apr-19A	03-Mar-20	-178	100%	98%									
9077	POD-B1_Z15_Carriageway - MEP 2nd fix @ GL. 1'-3"/A-M	4	27-Aug-19	25-Oct-19	24-Jun-19A	05-Mar-20	-105	100%	95%									
9079	POD-B1_Z15_Carriageway - ABWF finishes @ GL. 1'-3"/A-M	9	25-Oct-19	21-Nov-19	14-Oct-19A	12-Mar-20	-87	100%	75%									
9083	POD-B1_Z15_Carriageway - MEP final fix @ GL. 1'-3"/A-M	15	03-Oct-19	31-Oct-19	03-Mar-20*	19-Mar-20	-111	100%	0%									
9088	POD-B1_Z15_Carriageway - MEP 1st fix @ GL. 3-12/J-M	2	15-May-19	25-Jul-19	17-Jun-19A	03-Mar-20	-178	100%	98%									
9089	POD-B1_Z15_Carriageway - MEP 2nd fix @ GL. 3-12/J-M	4	10-Sep-19	25-Oct-19	24-Jun-19A	06-Mar-20	-106	100%	95%									
9090	POD-B1_Z15_Carriageway - ABWF finishes @ GL. 3-12/J-M	9	25-Oct-19	21-Nov-19	14-Oct-19A	13-Mar-20	-88	100%	50%									
9091	POD-B1_Z15_Carriageway - MEP final fix @ GL. 3-12/J-M	12	18-Oct-19	31-Oct-19	04-Mar-20	17-Mar-20	-109	100%	0%									
9080	POD-B1_Z15_Carriageway - All Other Finishes (DOOR) / Make Good & Clean	21	01-Nov-19	28-Nov-19	06-Mar-20	30-Mar-20	-96	100%	0%									
<b>Landscaping</b>																		
9118	POD-B1_LAN - Softlandscaping	24	02-Dec-19	30-Dec-19	02-Mar-20	28-Mar-20	-69	100%	0%									
<b>Level LGF</b>																		
<b>ABWF Works &amp; MEP Works</b>																		
<b>BoH Plant &amp; Other Rooms/FR Corr &amp; Lob - North of GL 6' - POD_LG_Z01 &amp; LG_Z02</b>																		
7314	POD_LG_Z01_Z03 - All Other Finishes / Make Good & Clean	18	14-Oct-19	02-Nov-19	09-Mar-20	28-Mar-20	-117	100%	0%									
<b>BoH Plant Rooms - North of GL 6' - POD_LG_Z01</b>																		
7336	POD_LG_Z01_BoH - RDE ST Press - MEP 2nd (incl. EQP) & final fix	3	05-Jul-19	25-Jul-19	27-May-19A	04-Mar-20	-179	100%	91%									
7334	POD_LG_Z01_BoH - RDE ST Press final fins. (Misc. Metal, Door/Iron, PolyU on Floor)	6	12-Jul-19	25-Jul-19	18-Nov-19A	07-Mar-20	-182	100%	80%									
7340	POD_LG_Z01_BoH - ICT, Ext.Fans & Car. SEF Rms MEP 2nd (incl. EQP) & final fix	3	05-Jul-19	25-Jul-19	23-Apr-19A	04-Mar-20	-179	100%	96%									
7338	POD_LG_Z01_BoH - ICT, Extract Fan Rms & Car. SEF Rm final fins	9	12-Jul-19	01-Aug-19	20-Nov-19A	11-Mar-20	-179	100%	30%									
7342	POD_LG_Z01_BoH - M+ Water Tank final finishes	7	05-Jun-19	19-Jun-19	09-Sep-19A	09-Mar-20	-213	100%	90%									
7344	POD_LG_Z01_BoH - M+ Water Tank MEP 2nd (incl. EQP) & final fix	4	29-May-19	19-Jun-19	14-Oct-19A	05-Mar-20	-210	100%	90%									
<b>BoH Corridors &amp; Lobbies - North of GL 6' - POD_LG_Z02</b>																		
7315	POD_LG_Z02_BoH - MEP 1st fix	2	06-Mar-19	17-Apr-19	23-May-19A	03-Mar-20	-260	100%	99%									
7317	POD_LG_Z02_BoH - MEP 2nd fix	3	22-Apr-19	13-May-19	15-Jul-19A	05-Mar-20	-241	100%	99%									
7321	POD_LG_Z02_BoH - Doors & Ironmong	3	01-Aug-19	07-Aug-19	16-Sep-19A	04-Mar-20	-168	100%	90%									
7512	POD_LG_Z02_BoH - Ceiling grids	3	18-Apr-19	20-Apr-19	20-Jan-20A	04-Mar-20	-258	100%	60%									
7318	POD_LG_Z02_BoH - Close ceiling (board/panels) incl. Cut-Outs	5	14-May-19	21-May-19	17-Feb-20A	07-Mar-20	-236	100%	60%									
7320	POD_LG_Z02_BoH - Ceiling & wall paint undercoat	6	22-May-19	28-May-19	05-Mar-20	11-Mar-20	-233	100%	0%									
7325	POD_LG_Z02_BoH - MEP final fix	9	19-Jul-19	29-Jul-19	05-Mar-20	14-Mar-20	-185	100%	0%									
7323	POD_LG_Z02_BoH - Ceiling & wall final paint	6	29-May-19	04-Jun-19	12-Mar-20	18-Mar-20	-233	100%	0%									
7322	POD_LG_Z02_BoH - Floor sealer	2	30-Jul-19	31-Jul-19	16-Mar-20	17-Mar-20	-185	100%	0%									
<b>Carpark 2 Area - North of GL 6' - POD_LG_Z03</b>																		
8769	POD_LG_Z03_Carpark 2 - MEP 1st fix (Rem: CWS & CWR only)	2	26-Feb-19	29-May-19	25-Mar-19A	03-Mar-20	-225	100%	98%									
7311	POD_LG_Z03_Carpark 2 - MEP 2nd & final fix	4	30-May-19	16-Aug-19	15-Apr-19A	05-Mar-20	-161	100%	98%									
7312	POD_LG_Z03_Carpark 2 - Install fire shutters & door/ironmongery	3	10-Aug-19	23-Aug-19	21-Aug-19A	04-Mar-20	-154	100%	90%									
7313	POD_LG_Z03_Carpark 2 - Floor finishes (polyurethane coating)	45	17-Aug-19	19-Oct-19	08-Aug-20	29-Sep-20	-283	100%	0%									
<b>Add Room LG-2-321 (CAI291B &amp; 291C)</b>																		
9987	*POD_LG_Z03_LG-2-321 - Revised MEP 1st fix (excl add'l Fan)	2			05-Aug-19A	03-Mar-20		0%	98%									
9989	*POD_LG_Z03_LG-2-321 - MEP 2nd & final fix (incl add'l Fan & louvre)	4			14-Oct-19A	05-Mar-20		0%	98%									
9990	*POD_LG_Z03_LG-2-321 - Floor Coating & other Finishes	6			06-Mar-20	12-Mar-20		0%	0%									
<b>FoH Multi-Media Lounge, Viewing Balcony, Grp Cinema &amp; Corr - POD_LG_Z04 &amp; LG_Z05</b>																		
7354	POD_LG_Z04_Z05_FoH - All Other Finishes / Make Good & Clean	24	23-Dec-19	21-Jan-20	25-May-20	20-Jun-20	-121	100%	0%									
<b>FoH Multi-Media Lounge &amp; Group Cinema - Raised Fir Area - POD_LG_Z04 (SZ7)</b>																		
7355	POD_LG_Z04_FoH - MEP final fix	6	13-Nov-19	22-Nov-19	23-Dec-19A	07-Mar-20	-82	100%	80%									
7351	POD_LG_Z04_FoH - Doors & Ironmong	6	04-Dec-19	10-Dec-19	20-Jan-20A	07-Mar-20	-67	100%	60%									
7376	POD_LG_Z04_FoH - Install metal balustrade	18	23-Oct-19	29-Oct-19	21-Jan-20A	21-Mar-20	-115	100%	20%									
7360	POD_LG_Z04_FoH - Fabric covered mullions w/ frame on walls	18	23-Oct-19	12-Nov-19	16-Mar-20*	06-Apr-20	-115	100%	0%									
9683	POD_LG_Z04_FoH - Timber Capping to Metal Hand Rail/Timber Handrail	6	18-Nov-19	23-Nov-19	11-May-20*	16-May-20	-139	100%	0%									
<b>FoH Viewing Balcony &amp; Corridor - Non Raised Floor Area - POD_LG_Z05 (SZ7)</b>																		
7364	POD_LG_Z05_FoH - MEP final fix	6	26-Oct-19	05-Nov-19	13-Jan-20A	07-Mar-20	-97	100%	80%									
7366	POD_LG_Z05_FoH - Floor finishes (resilient layer, ply + timber)	12	18-Nov-19	30-Nov-19	11-May-20	23-May-20	-139	100%	0%									
7362	POD_LG_Z05_FoH - Fabric covered mullions w/ frame	18	02-Dec-19	21-Dec-19	25-May-20	13-Jun-20	-139	100%	0%									
<b>BoH Rooms, Corr &amp; Lobby Adjacent to MM Lounge &amp; Viewing Balcony - POD_LG_Z06</b>																		
7848	POD_LG_Z06_BoH - MEP final fix	6	23-Nov-19	03-Dec-19	20-Jan-20A	07-Mar-20	-73	100%	60%									
7845	POD_LG_Z06_BoH - Door & Ironmong	4	06-Dec-19	12-Dec-19	24-Feb-20A	05-Mar-20	-63	100%	20%									
7847	POD_LG_Z06_BoH - All Other Finishes / Make Good & Clean	9	06-Dec-19	19-Dec-19	25-Feb-20A	12-Mar-20	-63	100%	20%									
<b>BoH Rooms/FoH Cinema Lobby &amp; Sound Light Locks Adjacent to Cinemas - POD_LG_Z18d</b>																		
7377	POD_LG_Z18d_FoHBoH - All Other Finishes / Make Good & Clean	18	20-Dec-19	11-Jan-20	08-May-20	28-May-20	-109	100%	0%									
<b>FoH Cinema Lob &amp; Sound &amp; Light Lock 1, 2 &amp; 3 and Corr Adjacent to Cinemas - POD_LG_Z18d</b>																		
7378	POD_LG_Z18d_FoH - MEP final fix	6	16-Oct-19	25-Oct-19	20-Jan-20A	07-Mar-20	-106	100%	60%									
7374	POD_LG_Z18d_FoH - Doors & Ironmong	3	29-Nov-19	05-Dec-19	24-Feb-20A	04-Mar-20	-68	100%	80%									
7373	POD_LG_Z18d_FoH - Wall finishes (fabric panels)	12	29-Nov-19	12-Dec-19	16-Mar-20*	28-Mar-20	-83	100%	0%									
7371a	POD_LG_Z18d_FoH - Ceiling finishes (Timber @ LG-1-312 corr only 3m2)	2			11-May-20*	12-May-20		0%	0%									
7373a	POD_LG_Z18d_FoH - Wall finishes (Timber @ LG-1-312 corr only)	2			13-May-20	14-May-20		0%	0%									
7375	POD_LG_Z18d_FoH - Floor finishes (carpet, resilient layer, ply + timber)	6	13-Dec-19	19-Dec-19	15-May-20	21-May-20	-121	100%	0%									
<b>BoH Rooms Adjacent to Cinemas - Shared Control/Projection Rm, Storage - POD_LG_Z18d</b>																		
7388	POD_LG_Z18d_BoH - MEP final fix	5	02-Nov-19	12-Nov-19	09-Dec-19A	06-Mar-20	-90	100%	80%									
7384	POD_LG_Z18d_BoH - Doors & Ironmong	4	01-Nov-19	07-Nov-19	24-Feb-20A	05-Mar-20	-93	100%	20%									
<b>FoH Cinema Toilet Adjacent to Cinemas - POD_LG_Z18d</b>																		
7400	POD_LG_Z18d_FoH Toilet - Ceiling Rods/Grids	3	05-Aug-19	09-Aug-19	11-Nov-19A	04-Mar-20	-167	100%	50%									
7396	POD_LG_Z18d_FoH Toilet - Ceiling finishes (Susp. MRGypsum) + painting	6	13-Aug-19	20-Aug-19	18-Nov-19A	07-Mar-20	-161	100%	20%									
7399	POD_LG_Z18d_FoH Toilet - MEP final fix incl. sanitary ware & fittings	6	11-Oct-19	18-Oct-19	16-Mar-20*	21-Mar-20	-125	100%	0%									
7401	POD_LG_Z18d_FoH Toilet - Door & Ironmong	2	18-Oct-19	21-Oct-19	16-Apr-20	17-Apr-20	-145	100%	0%									
<b>Level GF</b>																		
<b>ABWF Works &amp; MEP Works</b>																		
<b>BoH Rooms/Toilets/Corr/ Lob adjacent to Auditorium &amp; MIC - POD_GF_Z02</b>																		
7952	POD_GF_Z02 - All Other Finishes / Make Good & Clean	18	25-Oct-19	14-Nov-19	15-May-20	04-Jun-20	-163	100%	0%									
<b>FoH Toilets - Public &amp; Auditorium - POD_GF_Z02a (SZ2a)</b>																		
<b>Toilet Block</b>																		
7928	POD_GF_Z02a_FoH Toilet - MEP 1st fix Ceiling	3	26-Feb-19	09-Apr-19	28-Aug-19A	04-Mar-20	-268	100%	94%									
7926	POD_GF_Z02a_FoH Toilet - MEP 1st fix Block Wall	2	15-Feb-19	23-Feb-19	23-Sep-19A	03-Mar-20	-304	100%	90%									
7929	POD_GF_Z02a_FoH Toilet - Dry Wall Frame & Board (one side)	4	28-Mar-19	19-Apr-19	11-Nov-19A	05-Mar-20	-260	100%	50%									
7943	POD_GF_Z02a_FoH Toilet - Conc flr curing, polishing & install protection	6	26-Jul-19	05-Sep-19	18-Nov-19A	13-Mar-20	-151	100%	85%									
7930	POD_GF_Z02a_FoH Toilet - Dry Wall MEP Services/Conduits (MEP 1st fix)	3	10-Apr-19	23-Apr-19	16-Dec-19A	07-Mar-20	-259	100%	80%									
7915	POD_GF_Z02a_FoH Toilet - Ceiling Rods & Grids	4	15-May-19	18-May-19	13-Jan-20A	06-Mar-20	-237	100%	30%									
7918	POD_GF_Z02a_FoH Toilet - MEP 2nd fix	6	20-May-19	10-Jun-19	15-Jan-20A	09-Mar-20	-221	10										

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020							
										Qtr 1		Qtr 2			Qtr 3		
										Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
8186	POD_GF_Z07_FoH-All Other Finishes / Make Good & Clean	18	21-Nov-19	11-Dec-19	12-Mar-20	01-Apr-20	-87	100%	0%								
<b>FoH External Perimeter Areas (GF-1MF) - POD_GF_Z08</b>																	
8798	POD_GF_Z08_Ext - Ceiling & wall sealer	5	25-May-19	19-Jun-19	03-May-19A	06-Mar-20	-211	100%	95%								
8797	POD_GF_Z08_Ext - Patching-up tie bolt holes	7	18-May-19	08-Jun-19	15-Jul-19A	09-Mar-20	-222	100%	95%								
8800	POD_GF_Z08_Ext - Floor concrete planks & Drains	14	18-May-19	20-Aug-19	24-Sep-19A	21-Mar-20	-172	100%	39%								
8802	POD_GF_Z08_Ext - Install Balustrade	6	03-Jul-19	03-Oct-19	12-Dec-19A	13-Mar-20	-129	100%	90%								
8808	POD_GF_Z08_Ext - MEP final fix @ floor level	18	07-Aug-19	03-Sep-19	15-Jan-20A	25-Mar-20	-163	100%	40%								
8801	POD_GF_Z08_Ext - All Other Finishes / Make Good & Clean	24	19-Sep-19	18-Oct-19	05-Mar-20	01-Apr-20	-133	100%	0%								
<b>FoH External Courtyard (GF-1MF) @ Top of Lect Theatre - POD_GF_Z04</b>																	
8817	POD_GF_Z04_Ext - MEP 1st & 2nd fix (floor/steps)	9	25-Jul-19	19-Sep-19	05-Nov-19A	18-Mar-20	-144	100%	85%								
8810	POD_GF_Z04_Ext - CS bedding, W/proof/screed & rail post/kickplate for balustrade & c	12	18-Jun-19	24-Jul-19	16-Dec-19A	14-Mar-20	-189	100%	20%								
8818	POD_GF_Z04_Ext - Install concrete planks	18	20-Sep-19	19-Oct-19	20-Dec-19A	28-Mar-20	-129	100%	12%								
8821	POD_GF_Z04_Ext - Install metal balustrade & drainage channel covers	18	05-Oct-19	02-Nov-19	23-Dec-19A	28-Mar-20	-117	100%	20%								
8819	POD_GF_Z04_Ext - MEP final fix (floor/steps)	18	21-Oct-19	16-Nov-19	05-Mar-20	25-Mar-20	-102	100%	0%								
8820	POD_GF_Z04_Ext - All Other Finishes / Make Good & Clean	12	11-Nov-19	23-Nov-19	23-Mar-20	06-Apr-20	-105	100%	0%								
<b>Temporary Exhibition 1A &amp; 1B (GF-1MF) - POD_GF_Z09</b>																	
8121	POD_GF_Z09_FoH - Raised floor panels incl. cut-outs	4	20-Sep-19	02-Oct-19	14-Oct-19A	05-Mar-20	-123	100%	90%								
8114	POD_GF_Z09_FoH - Close Dry Wall	6	03-Oct-19	19-Oct-19	16-Dec-19A	07-Mar-20	-111	100%	90%								
8111	POD_GF_Z09_FoH - Wall finishes (paint)	6	10-Oct-19	23-Oct-19	23-Dec-19A	10-Mar-20	-110	100%	50%								
8113	POD_GF_Z09_FoH - MEP final fix	12	17-Oct-19	30-Oct-19	04-Mar-20	17-Mar-20	-110	100%	0%								
8105	POD_GF_Z09_FoH - Door & Ironmong	6	10-Dec-19	16-Dec-19	09-Mar-20*	14-Mar-20	-68	100%	0%								
9668	POD_GF_Z09_FoH - 1no. SR3 O'S Door & Iron. (Use Temp for FSD)	3	03-Oct-19	05-Oct-19	09-Mar-20	11-Mar-20	-125	100%	0%								
8110	POD_GF_Z09_FoH - Floor finishes (resilient layer, ply + timber)	19	18-Nov-19	09-Dec-19	25-May-20*	15-Jun-20	-151	100%	0%								
9668a	POD_GF_Z09_FoH - 1no. SR3 O'S Door & Iron. (Permanent)	3			04-Jul-20	07-Jul-20		0%	0%								
<b>BoH Surrounding Temporary Exhibition 1A &amp; 1B - POD_GF_Z09a</b>																	
8829	POD_GF_Z09a_BoH - All Other Finishes / Make Good & Clean	18	10-Dec-19	31-Dec-19	20-Jun-20	13-Jul-20	-155	100%	0%								
<b>BoH Surrounding Temporary Exhibition 1A &amp; 1B @ G.L. 7-8/A-D - POD_GF_Z09a</b>																	
8126	POD_GF_Z09a_BoH - B'wall, plaster, screed, C, sealer (rem. works)	3	17-Apr-19	08-May-19	15-Jul-19A	04-Mar-20	-244	100%	85%								
8124	POD_GF_Z09a_BoH - MEP 2nd fix	6	17-Jun-19	08-Jul-19	16-Dec-19A	07-Mar-20	-197	100%	50%								
8127	POD_GF_Z09a_BoH - Wall paint/undercoat	6	09-Jul-19	15-Jul-19	02-Mar-20	07-Mar-20	-191	100%	0%								
8130	POD_GF_Z09a_BoH - Wall final paint	6	16-Jul-19	22-Jul-19	05-Mar-20	11-Mar-20	-188	100%	0%								
8132	POD_GF_Z09a_BoH - MEP final fix	9	23-Jul-19	01-Aug-19	12-Mar-20	21-Mar-20	-188	100%	0%								
8129	POD_GF_Z09a_BoH - Floor sealer	3	02-Aug-19	05-Aug-19	23-Mar-20	25-Mar-20	-188	100%	0%								
8128	POD_GF_Z09a_BoH - Doors/1no. SR3 Doors & Ironmong	6	06-Aug-19	12-Aug-19	26-Mar-20	01-Apr-20	-188	100%	0%								
<b>BoH Surrounding Temporary Exhibition 1A &amp; 1B @ G.L. 2-4/A-D+ - POD_GF_Z09a</b>																	
9735	POD_GF_Z09a_BoH - Dry Wall Frame & Board (one side)	5	09-May-19	25-May-19	25-Jul-19A	06-Mar-20	-231	100%	85%								
8824	POD_GF_Z09a_BoH - MEP 2nd fix	5	02-Jul-19	22-Jul-19	09-Dec-19A	06-Mar-20	-184	100%	80%								
9736	POD_GF_Z09a_BoH - Dry Wall MEP Services/Conduits MEP 1st fix	5	27-May-19	17-Jun-19	10-Feb-20A	11-Mar-20	-217	100%	80%								
9737	POD_GF_Z09a_BoH - Close Dry Wall	11	18-Jun-19	29-Jun-19	03-Mar-20	14-Mar-20	-209	100%	0%								
8830	POD_GF_Z09a_BoH - MEP final fix	9	23-Jul-19	01-Aug-19	09-Mar-20	18-Mar-20	-185	100%	0%								
9669	POD_GF_Z09a_BoH - 1no. SR3 Door & Ironmong @ Corridor	6	05-Aug-19	10-Aug-19	25-Mar-20	31-Mar-20	-188	100%	0%								
8826	POD_GF_Z09a_BoH - Staff Ent/Sec. Rm/Corr/Toilet/Lob floor concrete pavers	6	02-Aug-19	08-Aug-19	19-Mar-20	25-Mar-20	-185	100%	0%								
8825	POD_GF_Z09a_BoH - Staff Ent/Sec. Rm/Corr/Lob Ceiling finishes (ply + timber)	8	18-Nov-19	26-Nov-19	16-Jun-20	24-Jun-20	-170	100%	0%								
8828	POD_GF_Z09a_BoH - Staff Ent/Sec. Rm/Corr/Lob Wall finishes (ply + timber)	8	27-Nov-19	05-Dec-19	26-Jun-20	06-Jul-20	-170	100%	0%								
8834	POD_GF_Z09a_BoH - Toilets & Lobby Ceiling Finishes (gypsum + paint, metal)	6	03-Sep-19	09-Sep-19	21-Oct-19A	09-Mar-20	-144	100%	70%								
8835	POD_GF_Z09a_BoH - Toilets wall tiling, sanitary ware & fittings	5	16-Oct-19	21-Oct-19	16-Mar-20	20-Mar-20	-121	100%	0%								
8836	POD_GF_Z09a_BoH - Corr & Storage Wall finishes (paint)	6	23-Jul-19	29-Jul-19	16-Mar-20	21-Mar-20	-191	100%	0%								
8838	POD_GF_Z09a_BoH - Corr & Storage floor sealer	2	02-Aug-19	03-Aug-19	23-Mar-20	24-Mar-20	-188	100%	0%								
8827	POD_GF_Z09a_BoH - Doors & Ironmong	6	06-Dec-19	12-Dec-19	24-Feb-20A	17-Mar-20	-73	100%	20%								
<b>Courtyard Hanging Planter</b>																	
6988	POD_GF - Courtyard Irrigation & drainage pipe installation	24	29-Nov-19	18-Jan-20	10-Dec-19A	28-Mar-20	-53	100%	60%								
7040*	POD_GF - Courtyard Mock up installation for silicon pot & S.S cage	24	29-Nov-19	19-Dec-19	27-Dec-19A	28-Mar-20	-77	100%	10%								
7078	POD_GF - Courtyard installation of pots & cages	24	20-Dec-19	18-Jan-20	12-Mar-20	09-Apr-20	-62	100%	0%								
7088	POD_GF - Courtyard soft landscape	24	06-Jan-20	10-Feb-20	19-Mar-20	16-Apr-20	-56	100%	0%								
7090	POD_GF - Courtyard exterior frame	18	20-Jan-20	17-Feb-20	02-Apr-20	23-Apr-20	-56	100%	0%								
<b>Level 1</b>																	
<b>ABWF Works &amp; MEP Works</b>																	
<b>Museum Shop No.1 Offices/Storage &amp; Lift Lobby - POD_L1_Z02</b>																	
8195	POD_L1_Z02 - Patching-up tie bolt holes, wall & ceiling sealer, screed	2	11-Apr-19	02-May-19	20-May-19A	03-Mar-20	-248	100%	90%								
8197	POD_L1_Z02 - MEP 2nd fix	2	15-Jun-19	06-Jul-19	09-Dec-19A	05-Mar-20	-196	100%	98%								
8193	POD_L1_Z02 - Door/Ironmong	6	06-Aug-19	12-Aug-19	23-Dec-19A	07-Mar-20	-167	100%	70%								
8201	POD_L1_Z02 - Dry Wall MEP Services/Conduits MEP 1st fix	4	07-May-19	13-May-19	06-Jan-20A	05-Mar-20	-241	100%	30%								
8199	POD_L1_Z02 - Floor finishes (linoleum, sealer)	6	30-Jul-19	05-Aug-19	17-Feb-20A	14-Mar-20	-179	100%	40%								
8198	POD_L1_Z02 - Dry Wall Frame & Board (one side)	3	03-May-19	06-May-19	02-Mar-20	04-Mar-20	-246	100%	0%								
8202	POD_L1_Z02 - MEP final fix	9	19-Jul-19	29-Jul-19	02-Mar-20	11-Mar-20	-182	100%	0%								
8203	POD_L1_Z02 - Close Dry Wall	2	14-May-19	15-May-19	06-Mar-20	07-Mar-20	-241	100%	0%								
8211	POD_L1_Z02 - Install FF&E	12	06-Aug-19	19-Aug-19	01-Aug-20	14-Aug-20	-294	100%	0%								
8194	POD_L1_Z02 - All Other Finishes / Make Good & Clean	12	20-Aug-19	02-Sep-19	08-Aug-20	21-Aug-20	-288	100%	0%								
<b>Level 1MF</b>																	
<b>ABWF Works &amp; MEP Works</b>																	
8244	POD_1M_Z01-04 - All Other Finishes / Make Good & Clean	12	14-Dec-19	14-Jan-20	06-Jan-20A	14-Mar-20	-46	100%	30%								
<b>MEP Plantrooms, Lobbies &amp; Corridors - POD_1M_Z01</b>																	
8214	POD_1M_Z01 - MEP 2nd fix (incl. EQP)	4	02-Aug-19	15-Oct-19	08-Apr-19A	05-Mar-20	-114	100%	92%								
8283	POD_1M_Z01 - Install Catwalk	4	24-May-19	13-Jul-19	08-Jul-19A	05-Mar-20	-190	100%	96%								
8212	POD_1M_Z01 - MEP final fix	6	15-Oct-19	26-Nov-19	21-Oct-19A	07-Mar-20	-80	100%	75%								
8217	POD_1M_Z01 - Wall final paint @ all areas	6	15-Oct-19	05-Nov-19	09-Dec-19A	07-Mar-20	-98	100%	95%								
<b>MEP Plantrooms, Lobbies &amp; Corridors - POD_1M_Z02</b>																	
8218	POD_1M_Z02 - MEP 1st fix (Rem Works)	3	20-Mar-19	13-Jul-19	01-Mar-19A	04-Mar-20	-189	100%	92%								
8226	POD_1M_Z02 - MEP 2nd fix (incl. EQP)	4	02-Aug-19	15-Oct-19	08-Apr-19A	06-Mar-20	-115	100%	90%								
8284	POD_1M_Z02 - Install Catwalk	4	24-May-19	13-Jul-19	08-Jul-19A	05-Mar-20	-190	100%	98%								
8223	POD_1M_Z02 - MEP final fix	6	15-Oct-19	26-Nov-19	21-Oct-19A	09-Mar-20	-81	100%	70%								
8228	POD_1M_Z02 - Wall final paint @ all areas	6	15-Oct-19	24-Oct-19	10-Dec-19A	09-Mar-20	-109	100%	95%								
<b>MEP Plantrooms, Lobbies &amp; Corridors - POD_1M_Z03</b>																	
8229	POD_1M_Z03 - MEP 1st fix	2	26-Feb-19	19-Jul-19	02-Apr-19A	03-Mar-20	-183	100%	90%								
8229a	POD_1M_Z03 - MEP 1st fix Connect Duct Work to Pisa Louvres	4			21-Oct-19A	05-Mar-20		0%	90%								
8237	POD_1M_Z03 - MEP 2nd fix (incl. EQP)	4	02-Aug-19	15-Oct-19	08-Apr-19A	0											

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020								
										Qtr 1		Qtr 2			Qtr 3		Sep	
										Feb	Mar	Apr	May	Jun	Jul	Aug		
8464	POD_L2_Z02_FoH ToiletLob -All Other Finishes /Make Good & Clean	12	28-Nov-19	11-Dec-19	16-May-20	29-May-20	-135	100%	0%									
<b>Skylight Gallery and Gallery Circ. 2 - POD_L2_Z02a</b>																		
8479	POD_L2_Z02a_FoH -Close Dry Wall /Board	2	08-Oct-19	18-Oct-19	14-Oct-19A	03-Mar-20	-108	100%	98%									
8485a	POD_L2_Z02a_FoH - Ceiling finishes (board)	3			11-Dec-19A	04-Mar-20		0%	85%									
8481	POD_L2_Z02a_FoH - Raised floor pedestal	2	27-Jun-19	13-Jul-19	16-Dec-19A	03-Mar-20	-188	100%	90%									
9638	POD_L2_Z02a_FoH - Underfloor MEP 2nd fix	3	30-Aug-19	20-Sep-19	23-Dec-19A	04-Mar-20	-131	100%	95%									
8478	POD_L2_Z02a_FoH - MEP final fix	4	21-Sep-19	21-Oct-19	17-Jan-20A	11-Mar-20	-113	100%	60%									
8483	POD_L2_Z02a_FoH - Raised floor panels incl. cut-outs	4	21-Sep-19	05-Oct-19	05-Feb-20A	07-Mar-20	-122	100%	50%									
8470	POD_L2_Z02a_FoH - Door/ 1no. SR3 O'S Door /Ironmong	3	08-Oct-19	10-Oct-19	06-Apr-20	08-Apr-20	-145	100%	0%									
8537	POD_L2_Z02a_FoH - Roller Blind System Instn	24	17-Jan-20	21-Feb-20	18-Apr-20	18-May-20	-71	100%	0%									
8475a	POD_L2_Z02a_FoH - Flr finishes (resilient layer,ply)	18			11-May-20	30-May-20		0%	0%									
8485	POD_L2_Z02a_FoH - Ceiling finishes (insulation, acoustic plaster, Timber at Circ/Pass)	24	06-Dec-19	02-Jan-20	11-May-20	06-Jun-20	-125	100%	0%									
8476	POD_L2_Z02a_FoH - Wall finishes (Timber @ Circ-passage only)	30	03-Jan-20	07-Feb-20	18-May-20	20-Jun-20	-113	100%	0%									
8475	POD_L2_Z02a_FoH - Flr finishes (Timber) + flr grilles	30	08-Feb-20	24-Mar-20	01-Jun-20	07-Jul-20	-86	48.72%	0%									
<b>Gallery 1-6, Tall Gallery 1&amp;2, Plaza View Gallery and Gallery Circ. - POD_L2_Z02b</b>																		
8519	POD_L2_Z02b_FoH - MEP 2nd fix	2	04-Jul-19	07-Aug-19	08-Apr-19A	03-Mar-20	-167	100%	97%									
8528	POD_L2_Z02b_FoH - Underfloor MEP 1st fix	2	25-Jul-19	11-Sep-19	17-Jun-19A	03-Mar-20	-137	100%	99%									
9639	POD_L2_Z02b_FoH - Underfloor MEP 2nd fix	3	12-Sep-19	12-Oct-19	23-Sep-19A	05-Mar-20	-115	100%	95%									
8524	POD_L2_Z02b_FoH - MEP final fix	5	17-Oct-19	13-Nov-19	21-Oct-19A	10-Mar-20	-92	100%	75%									
8516	POD_L2_Z02b_FoH - 1no. SR3 O'S Door /Ironmong	3	31-Oct-19	02-Nov-19	17-Feb-20A	08-Apr-20	-125	100%	10%									
9685	POD_L2_Z02b_FoH - Install Roller Blinds	12	09-Jan-20	22-Jan-20	07-May-20	21-May-20	-93	100%	0%									
8521a	POD_L2_Z02b_FoH - Flr finishes (resilient layer,plywood base)	18			11-May-20	30-May-20		0%	0%									
8531	POD_L2_Z02b_FoH - Ceiling finishes (insulation, acoustic plaster/Timber @ Circ-pass)	24	18-Nov-19	08-Jan-20	11-May-20	06-Jun-20	-120	100%	0%									
8522	POD_L2_Z02b_FoH - Wall finishes (Timber @ Circ-passage only)	36	25-Nov-19	17-Jan-20	11-May-20	20-Jun-20	-124	100%	0%									
8521	POD_L2_Z02b_FoH - Flr finishes (Timber) + flr grilles	24	09-Jan-20	02-Mar-20	01-Jun-20	29-Jun-20	-99	97.44%	0%									
<b>Focus Gallery &amp; Gallery Circ. - POD_L2_Z02c</b>																		
8544	POD_L2_Z02c_FoH - MEP final fix	6	19-Jul-19	29-Jul-19	21-Oct-19A	09-Mar-20	-180	100%	60%									
9749	POD_L2_Z02c_FoH - Dry Wall MEP Services/Conduits MEP 1st fix	2	10-Jul-19	16-Jul-19	26-Nov-19A	03-Mar-20	-186	100%	90%									
8550	POD_L2_Z02c_FoH - Conc flr curing, polishing & install protection, door/iron	4	30-Jul-19	09-Sep-19	06-Jan-20A	11-Mar-20	-146	100%	80%									
8549	POD_L2_Z02c_FoH - Ceiling rods @ Gallery Circ.	2	19-Mar-19	22-Mar-19	24-Feb-20A	03-Mar-20	-282	100%	15%									
8543	POD_L2_Z02c_FoH - Ceiling Metal Cladding @ Gallery Circ	5	24-Jun-19	29-Jun-19	03-Mar-20	07-Mar-20	-203	100%	0%									
8541	POD_L2_Z02c_FoH - Ceiling Grids @ Gallery Circ.	2	06-May-19	08-May-19	04-Mar-20	05-Mar-20	-246	100%	0%									
8545	POD_L2_Z02c_FoH - Walls Sub-Frame & Metal Cladding @ Gallery Circ.	12	10-Sep-19	24-Sep-19	06-Mar-20	19-Mar-20	-141	100%	0%									
<b>GalleryBoH Perimeter - POD_L2_Z02d</b>																		
8492	POD_L2_Z02d_BoH - MEP 2nd fix	2	08-Aug-19	28-Aug-19	15-Apr-19A	03-Mar-20	-149	100%	97%									
8488	POD_L2_Z02d_BoH - PISA Louvres & duct interface work MEP 1st fix	3	11-Jun-19	24-Jun-19	13-May-19A	04-Mar-20	-205	100%	76%									
9640	POD_L2_Z02d_BoH - Underfloor MEP 2nd Fix	2	27-Sep-19	04-Oct-19	16-Dec-19A	03-Mar-20	-119	100%	95%									
8496	POD_L2_Z02d_BoH - MEP final fix	4	15-Oct-19	24-Oct-19	17-Dec-19A	06-Mar-20	-106	100%	90%									
<b>GalleryBoH Internal - POD_L2_Z02e</b>																		
8506	POD_L2_Z02e_BoH - MEP 2nd fix	2	28-Jun-19	19-Jul-19	05-Jun-19A	03-Mar-20	-183	100%	97%									
8503	POD_L2_Z02e_BoH - Door /Ironmong	5	04-Sep-19	18-Sep-19	18-Nov-19A	06-Mar-20	-135	100%	75%									
8510	POD_L2_Z02e_BoH - MEP final fix	6	24-Aug-19	03-Sep-19	23-Dec-19A	07-Mar-20	-148	100%	50%									
<b>BoH Rooms, Corridors &amp; Lobbies, Non Raised Floor Areas - POD_L2_Z02f</b>																		
8563	POD_L2_Z02f_BoH - MEP 2nd fix	3	01-Jun-19	22-Jun-19	10-Jun-19A	04-Mar-20	-206	100%	97%									
8570	POD_L2_Z02f_BoH - MEP final fix	6	19-Jul-19	29-Jul-19	20-Dec-19A	07-Mar-20	-179	100%	50%									
8568	POD_L2_Z02f_BoH - Wall final paint	3	05-Jul-19	15-Jul-19	10-Feb-20A	06-Mar-20	-190	100%	50%									
8566	POD_L2_Z02f_BoH - Doors / 11nos. SR3 Doors & Ironmong	6	02-Aug-19	15-Aug-19	17-Feb-20A	13-Mar-20	-169	100%	30%									
8567	POD_L2_Z02f_BoH - Floor sealer	3	30-Jul-19	01-Aug-19	09-Mar-20	11-Mar-20	-179	100%	0%									
<b>FoH Toilets - Public - POD_L2_Z02g</b>																		
<b>Toilet Block</b>																		
8440	POD_L2_Z02g_FoH Toilet - MEP 2nd fix	2	22-Jul-19	03-Aug-19	10-Jun-19A	03-Mar-20	-170	100%	96%									
8450	POD_L2_Z02g_FoH Toilet - Ceiling finishes final coat	2	14-Aug-19	16-Aug-19	15-Nov-19A	03-Mar-20	-159	100%	95%									
8442	POD_L2_Z02g_FoH Toilet - MEP final fix	3	17-Aug-19	23-Aug-19	18-Nov-19A	06-Mar-20	-156	100%	80%									
8447	POD_L2_Z02g_FoH Toilet - Cubicle partitions & sanitary ware & fittings	6	19-Oct-19	25-Oct-19	20-Jan-20A	18-Apr-20	-141	100%	70%									
8441	POD_L2_Z02g_FoH Toilet - Door Frame	2	27-Apr-19	29-Apr-19	24-Feb-20A	03-Mar-20	-250	100%	10%									
8435	POD_L2_Z02g_FoH Toilet - Door /Ironmong	2	26-Oct-19	28-Oct-19	20-Apr-20	21-Apr-20	-141	100%	0%									
<b>Toilet Lobby / Gallery Circ</b>																		
8465a	POD_L2_Z02g_FoH Toilet Lob - Wall Finishes (Plywood backing)	4			12-Feb-20A	06-Mar-20		0%	75%									
8459a	POD_L2_Z02g_FoH Toilet Lob - Ceiling finishes (Plywood backing for Timber fin)	3			17-Feb-20A	04-Mar-20		0%	10%									
8460	POD_L2_Z02g_FoH Toilet Lob - MEP final fix	6	21-Nov-19	27-Nov-19	05-Mar-20	11-Mar-20	-81	100%	0%									
8461a	POD_L2_Z02g_FoH Toilet Lob - Floor finishes (resilient layer,ply base)	4			11-May-20	14-May-20		0%	0%									
8459	POD_L2_Z02g_FoH Toilet Lob - Ceiling finishes (Timber)	3	18-Nov-19	20-Nov-19	11-May-20	13-May-20	-139	100%	0%									
8465	POD_L2_Z02g_FoH Toilet Lob - Wall Finishes (Timber)	4	21-Nov-19	27-Nov-19	14-May-20	18-May-20	-137	100%	0%									
8461	POD_L2_Z02g_FoH Toilet Lob - Floor finishes (timber)	4	28-Nov-19	04-Dec-19	19-May-20	22-May-20	-135	100%	0%									
<b>Galleries &amp; Gallery Circ, Gallery BOH, BOH Rms, Lobbies &amp; Corridors - POD_L2_Z03</b>																		
8612	POD_L2_Z03b_BoH - All Other Finishes /Make Good & Clean	12	06-Aug-19	19-Aug-19	11-Mar-20	24-Mar-20	-175	100%	0%									
8573	POD_L2_Z03a_FoH - All Other Finishes /Make Good & Clean	30	19-Mar-20	15-May-20	15-Jun-20	21-Jul-20	-55	0%	0%									
<b>Gallery 12 &amp; 13, Open Gallery, Harbour View Gallery 2 and Gallery Circ. - POD_L2_Z03a (S26)</b>																		
8574	POD_L2_Z03a_FoH - MEP 1st fix	2	27-Apr-19	24-Jun-19	25-Mar-19A	03-Mar-20	-204	100%	98%									
8575	POD_L2_Z03a_FoH - MEP 2nd fix (partly)	3	15-Jul-19	10-Aug-19	08-Apr-19A	05-Mar-20	-166	100%	95%									
8579	POD_L2_Z03a_FoH - Dry Wall MEP Services/Conduits MEP 1st fix	2	18-Jun-19	16-Jul-19	19-Aug-19A	03-Mar-20	-186	100%	90%									
8575a	POD_L2_Z03a_FoH - MEP 2nd fix	3			06-Nov-19A	05-Mar-20		0%	95%									
8588a	POD_L2_Z03a_FoH - Ceiling board	4			21-Oct-19A	06-Mar-20		0%	65%									
8575b	POD_L2_Z03a_FoH - MEP Final Fix	7			10-Feb-20A	09-Mar-20		0%	20%									
8583	POD_L2_Z03a_FoH - Raised floor pedestal	3	22-Jul-19	27-Aug-19	16-Dec-19A	06-Mar-20	-153	100%	85%									
8584	POD_L2_Z03a_FoH - Underfloor MEP 1st fix	3	05-Aug-19	23-Sep-19	19-Dec-19A	09-Mar-20	-133	100%	90%									
9641	POD_L2_Z03a_FoH - Underfloor MEP 2nd fix	4	24-Sep-19	23-Oct-19	21-Dec-19A	10-Mar-20	-110	100%	85%									
8585	POD_L2_Z03a_FoH - Raised floor panels incl. cut-outs	6	24-Oct-19	09-Nov-19	24-Dec-19A	12-Mar-20	-97	100%	50%									
8580	POD_L2_Z03a_FoH - MEP final fix (in Raised Floor)	9	28-Oct-19	23-Nov-19	27-Dec-19A	14-Mar-20	-87	100%	30%									
8572	POD_L2_Z03a_FoH - Door/ 2nos. SR3 O'S Doors /Ironmong	9	11-Nov-19	16-Nov-19	30-Dec-19A	11-Apr-20	-116	100%	25%									
8577a	POD_L2_Z03a_FoH - Flr finishes (resilient layer,ply base)	14			11-May-20	26-May-20		0%	0%									
9686	POD_L2_Z03a_FoH - Install Roller Blinds	12	11-Feb-20	24-Feb-20	11-May-20	25-May-20	-75	100%	0%									
8587	POD_L2_Z03a_FoH - Ceiling finishes (insulation/acoustic plaster, Timber at Circ/Pass)	30	06-Dec-19	07-Feb-20	11-May-20	13-Jun-20	-107	100%	0%									
8578	POD_L2_Z03a_FoH - Wall finishes (paint/Timber @ Circ-passage only)	36	20-Jan-20	25-Mar-20														

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020							
										Qtr 1		Qtr 2			Qtr 3		ep
										Feb	Mar	Apr	May	Jun	Jul	Aug	
8751	POD_L2_Z04d_BoH-Doors/7nos.SR3 Doors & Ironmong	6	02-Aug-19	15-Aug-19	17-Feb-20A	07-Mar-20	-164	100%	30%								
8752	POD_L2_Z04d_BoH-Floor sealer	3	30-Jul-19	01-Aug-19	09-Mar-20	11-Mar-20	-179	100%	0%								
<b>FoH Toilets - Public - POD_L2_Z04e</b>																	
<b>Toilet Block</b>																	
8685	POD_L2_Z04e_FoHToilet-MEPFinal Fix	4	27-Jul-19	02-Aug-19	18-Nov-19A	06-Mar-20	-174	100%	85%								
8692	POD_L2_Z04e_FoHToilet-Ceiling Finishes Final Coat	3	20-Jul-19	26-Jul-19	18-Dec-19A	04-Mar-20	-178	100%	90%								
8689	POD_L2_Z04e_FoHToilet-Cubicle partitions & sanitary ware & fittings	18	28-Sep-19	14-Oct-19	23-Dec-19A	17-Apr-20	-150	100%	80%								
8684	POD_L2_Z04e_FoHToilet-Door Frame	2	06-May-19	07-May-19	24-Feb-20A	03-Mar-20	-244	100%	10%								
8678	POD_L2_Z04e_FoHToilet-Door/Ironmong	6	15-Oct-19	21-Oct-19	18-Apr-20	24-Apr-20	-150	100%	0%								
<b>Toilet Lobby/Corridor</b>																	
8702	POD_L2_Z04e_FoHToiletLob-MEPfinal fix	6	21-Nov-19	27-Nov-19	18-Dec-19A	07-Mar-20	-78	100%	70%								
8703a	POD_L2_Z04e_FoHToiletLob-Floor finishes (resilient layer, plywood base)	4			11-May-20	14-May-20			0%								
8701	POD_L2_Z04e_FoHToiletLob-Ceiling finishes (Timber)	3	18-Nov-19	20-Nov-19	25-May-20	27-May-20	-151	100%	0%								
8707	POD_L2_Z04e_FoHToiletLob-Wall Finishes (Timber)	4	21-Nov-19	27-Nov-19	28-May-20	01-Jun-20	-149	100%	0%								
8703	POD_L2_Z04e_FoHToiletLob-Floor finishes (Timber)	4	28-Nov-19	04-Dec-19	02-Jun-20	05-Jun-20	-147	100%	0%								
<b>Plaza</b>																	
<b>Plaza-POD_L2_Z05 (S25)</b>																	
8715	POD_L2_Z05_Plaza-MEP 1st fix	2	08-Jul-19	17-Sep-19	08-Apr-19A	03-Mar-20	-134	100%	95%								
8794	POD_L2_Z05_Plaza-MEP 2nd fix	3	17-Sep-19	24-Oct-19	10-Jun-19A	04-Mar-20	-105	100%	95%								
8718	POD_L2_Z05_Plaza-MEP final fix	6	24-Oct-19	14-Nov-19	15-Jul-19A	10-Mar-20	-92	100%	60%								
8720	POD_L2_Z05_Plaza-Floor screeding	7	25-Jun-19	11-Jul-19	14-Oct-19A	09-Mar-20	-195	100%	40%								
9739	POD_L2_Z05_Plaza-Dry Wall Frame	3	04-Jul-19	22-Jul-19	21-Oct-19A	04-Mar-20	-182	100%	95%								
9741	POD_L2_Z05_Plaza-Close Dry Wall	4	13-Aug-19	26-Aug-19	20-Nov-19A	05-Mar-20	-153	100%	95%								
9542	POD_L2_Z05_Plaza-Install Metal Balustrade	3	24-Oct-19	14-Nov-19	20-Dec-19A	12-Mar-20	-94	100%	95%								
9742	POD_L2_Z05_Plaza-Wall finishes (paint on dry wall)	6	27-Aug-19	12-Sep-19	23-Dec-19A	07-Mar-20	-140	100%	50%								
8716a	POD_L2_Z05_Plaza-Floor finishes (resilient layer, plywood backing)	24			11-May-20	06-Jun-20			0%								
8716	POD_L2_Z05_Plaza-Floor finishes (Timber)	48	18-Nov-19	09-Jan-20	01-Jun-20	28-Jul-20	-161	100%	0%								
8717	POD_L2_Z05_Plaza-All Other Finishes/Make Good & Clean	18	30-Dec-19	20-Jan-20	22-Jul-20	11-Aug-20	-164	100%	0%								
<b>Plaza Mezzanine Level BoH Corridor - POD_L2M_Z05a</b>																	
9650	POD_L2M_Z05a_BoH-LL MEP 1st, 2nd & Final Fix (Ducts, FS Pipe, Drainage-no cabl)	3	29-Jun-19	10-Aug-19	24-Jun-19A	04-Mar-20	-165	100%	97%								
<b>Level L3</b>																	
<b>ABWF Works &amp; MEP Works</b>																	
<b>FoH &amp; BoH Areas @ Tower Footprint - POD_L3_Z01a, L3_Z01b &amp; L3_Z01c</b>																	
8332	POD_L3_Z01a_d_FoH-All Other Finishes (floor mat) / Make Good & Clean	12	08-Nov-19	22-Nov-19	03-Jun-20	16-Jun-20	-167	100%	0%								
8363	POD_L3_Z01b & L3_Z01c_BoH-All Other Finishes / Make Good & Clean	12	02-Aug-19	15-Aug-19	28-Mar-20	11-Apr-20	-193	100%	0%								
8280	POD_L3_Z01d_FoHToiletLob-All Other Finishes / Make Good & Clean	12	27-Sep-19	14-Oct-19	12-May-20	25-May-20	-182	100%	0%								
<b>FoH - Museum Cafe 2 &amp; Warming Kitchen and BOH @ Tower Footprint - POD_L3_Z01a</b>																	
8321	POD_L3_Z01a_FoH-MEP 1st fix	6	08-Jun-19	05-Aug-19	02-May-19A	07-Mar-20	-174	100%	83.11%								
8795	POD_L3_Z01a_FoH-MEP 2nd fix	9	05-Aug-19	02-Sep-19	09-Dec-19A	12-Mar-20	-154	100%	90.01%								
8322	POD_L3_Z01a_FoH-MEP final fix	13	02-Sep-19	17-Sep-19	18-Jan-20A	16-Mar-20	-145	100%	19.97%								
8323	POD_L3_Z01a_FoH-Floor sealer @ Museum Cafe 2 & BOH	5	02-Oct-19	09-Oct-19	17-Mar-20	21-Mar-20	-133	100%	0%								
8319	POD_L3_Z01a_FoH-Door/Ironmong	2	09-Oct-19	11-Oct-19	23-Mar-20	24-Mar-20	-133	100%	0%								
<b>BoH Plantrooms, Corridors &amp; Lobbies @ Tower Footprint - POD_L3_Z01b &amp; L3_Z01c</b>																	
8355	POD_L3_Z01b & L3_Z01c_BoH-MEP 1st fix	4	19-Apr-19	31-May-19	01-Aug-19A	05-Mar-20	-225	100%	90%								
8357	POD_L3_Z01b & L3_Z01c_BoH-MEP 2nd fix	6	05-Jun-19	26-Jun-19	19-Aug-19A	11-Mar-20	-209	100%	90.24%								
8360	POD_L3_Z01b & L3_Z01c_BoH-MEP final fix	18	19-Jul-19	29-Jul-19	18-Jan-20A	24-Mar-20	-193	100%	19.95%								
8354	POD_L3_Z01b & L3_Z01c_BoH-Ceiling rods	3	16-Apr-19	18-Apr-19	03-Mar-20*	05-Mar-20	-261	100%	0%								
8356	POD_L3_Z01b & L3_Z01c_BoH-Ceiling grids	3	01-Jun-19	04-Jun-19	06-Mar-20	09-Mar-20	-225	100%	0%								
8358	POD_L3_Z01b & L3_Z01c_BoH-Ceiling finishes (boards + paint)	6	27-Jun-19	04-Jul-19	09-Mar-20	14-Mar-20	-206	100%	0%								
8359	POD_L3_Z01b & L3_Z01c_BoH-Wall finishes (paint)	6	05-Jul-19	11-Jul-19	16-Mar-20	21-Mar-20	-206	100%	0%								
8361	POD_L3_Z01b & L3_Z01c_BoH-Floor sealer	3	30-Jul-19	01-Aug-19	25-Mar-20	27-Mar-20	-193	100%	0%								
8362	POD_L3_Z01b & L3_Z01c_BoH-Doors & Ironmong	6	02-Aug-19	08-Aug-19	28-Mar-20	03-Apr-20	-193	100%	0%								
<b>FoH - Corridor &amp; Concourse @ Tower Footprint - POD_L3_Z01d</b>																	
8796	POD_L3_Z01d_FoH-MEP 1st fix	4	17-Jun-19	12-Aug-19	17-Jul-19A	07-Mar-20	-167	100%	89.46%								
8328	POD_L3_Z01d_FoH-MEP 2nd fix	6	02-Sep-19	02-Oct-19	12-Aug-19A	12-Mar-20	-130	100%	90.45%								
8333	POD_L3_Z01d_FoH-MEP final fix	14	18-Oct-19	29-Oct-19	18-Jan-20A	17-Mar-20	-112	100%	19.95%								
8327	POD_L3_Z01d_FoH-Ceiling rods	3	16-Apr-19	19-Apr-19	03-Mar-20*	05-Mar-20	-260	100%	0%								
8330	POD_L3_Z01d_FoH-Doors & Ironmong	2	13-Nov-19	15-Nov-19	10-Mar-20	11-Mar-20	-92	100%	0%								
8329	POD_L3_Z01d_FoH-Ceiling finishes (bamboo slats)	13	02-Oct-19	18-Oct-19	11-May-20	25-May-20	-178	100%	0%								
8331	POD_L3_Z01d_FoH-Floor finishes (concrete pavers)	13	29-Oct-19	13-Nov-19	26-May-20	09-Jun-20	-169	100%	0%								
<b>FoH Toilets - Cafe Toilets @ Tower Footprint - POD_L3_Z01d</b>																	
<b>Toilet Block</b>																	
8267	POD_L3_Z01d_FoHToilet-MEP 1st fix Ceiling	4	13-May-19	05-Jun-19	08-Aug-19A	05-Mar-20	-221	100%	80.52%								
8265	POD_L3_Z01d_FoHToilet-MEP 1st fix Block Wall	3	04-May-19	13-May-19	04-Nov-19A	04-Mar-20	-240	100%	79.79%								
8269	POD_L3_Z01d_FoHToilet-Dry Wall MEP Services/Conduits (MEP 1st fix)	5	11-May-19	24-May-19	09-Dec-19A	06-Mar-20	-232	100%	79.87%								
8257	POD_L3_Z01d_FoHToilet-MEP 2nd fix	9	21-Jun-19	05-Jul-19	16-Dec-19A	11-Mar-20	-202	100%	59.93%								
8268	POD_L3_Z01d_FoHToilet-Dry Wall Frame & Board (one side)	3	08-May-19	13-May-19	01-Feb-20A	04-Mar-20	-240	100%	20%								
8259	POD_L3_Z01d_FoHToilet-MEP final fix	18	19-Jul-19	25-Jul-19	17-Feb-20A	21-Mar-20	-194	100%	10.03%								
8254	POD_L3_Z01d_FoHToilet-Ceiling Rods & Grids	6	14-Jun-19	20-Jun-19	02-Mar-20	07-Mar-20	-211	100%	0%								
8256	POD_L3_Z01d_FoHToilet-Seal Wall Opening	3	14-May-19	16-May-19	02-Mar-20	04-Mar-20	-237	100%	0%								
8258	POD_L3_Z01d_FoHToilet-Door Frame	2	06-Jun-19	08-Jun-19	06-Mar-20	07-Mar-20	-221	100%	0%								
8270	POD_L3_Z01d_FoHToilet-Close Dry Wall	3	25-May-19	28-May-19	07-Mar-20	10-Mar-20	-232	100%	0%								
8255	POD_L3_Z01d_FoHToilet-Close ceiling (board) incl. Cut-Outs	7	06-Jul-19	13-Jul-19	09-Mar-20	16-Mar-20	-199	100%	0%								
8251	POD_L3_Z01d_FoHToilet-Wall Plastering (internal & external)	4	10-Jun-19	13-Jun-19	11-Mar-20	14-Mar-20	-223	100%	0%								
8262	POD_L3_Z01d_FoHToilet-Wall Tile Finishes	8	06-Sep-19	16-Sep-19	16-Mar-20	24-Mar-20	-152	100%	0%								
8266	POD_L3_Z01d_FoHToilet-Ceiling finishes final coat	3	15-Jul-19	17-Jul-19	17-Mar-20	19-Mar-20	-199	100%	0%								
8263	POD_L3_Z01d_FoHToilet-Cubicle partitions & sanitary ware & fittings	6	17-Sep-19	23-Sep-19	14-Apr-20	20-Apr-20	-168	100%	0%								
8252	POD_L3_Z01d_FoHToilet-Door/Ironmong	2	24-Sep-19	25-Sep-19	21-Apr-20	22-Apr-20	-168	100%	0%								
<b>Toilet Lobby/Vestibule</b>																	
8279	POD_L3_Z01d_FoHToiletLob-MEP 1st fix	5	05-Aug-19	17-Aug-19	02-Dec-19A	06-Mar-20	-161	100%	80.52%								
8274	POD_L3_Z01d_FoHToiletLob-MEP 2nd fix	7	02-Sep-19	09-Sep-19	16-Dec-19A	09-Mar-20	-145	100%	59.93%								
8276	POD_L3_Z01d_FoHToiletLob-MEP final fix	12	27-Sep-19	05-Oct-19	17-Feb-20A	14-Mar-20	-129	100%	10%								
8278	POD_L3_Z01d_FoHToiletLob-Ceiling rods	2	01-Aug-19	03-Aug-19	03-Mar-20	04-Mar-20	-171	100%	0%								
8273	POD_L3_Z01d_FoHToiletLob-Ceiling grids	2	19-Aug-19	20-Aug-19	05-Mar-20	06-Mar-20	-159	100%	0%								
8275a	POD_L3_Z01d_FoHToiletLob-Ceiling finishes (MR Gypsum/ Plywood backing for Tir	3			09-Mar-20	11-Mar-20			0%								
8281a	POD_L3_Z01d_FoHToiletLob-Wall finishes (Plywood backing)	4			12-Mar-20	16-Mar-20			0%								
8277	POD_L3_Z01d_FoHToiletLob-Floor concrete pavers	3	09-Sep-19	12-Sep-19	23-Mar-20	25-Mar-20	-156	100%	0%								



ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020										
										Qtr 1		Qtr 2			Qtr 3		Sep			
										Feb	Mar	Apr	May	Jun	Jul	Aug				
<b>Level 3 Hard &amp; Soft Landscaping</b>																				
<b>General</b>																				
14238g	POD_LAN - Architectural Lightings Installation (EX5A5B6)	12	17-Feb-20	29-Feb-20	04-Jul-20	17-Jul-20	-115	100%	0%											
9061	POD_LAN_ALL - Install balustrades along perimeter/Benches	24	19-Aug-19	31-Oct-19	02-Dec-19A	28-Mar-20	-120	100%	80%											
9063	POD_LAN_ALL - Hard landscape	45	12-Dec-19	13-Feb-20	30-Mar-20	22-May-20	-84	100%	0%											
<b>North Section AM1-6.5</b>																				
9048	POD_LAN_N - AM1-6.5 Levelling screed/W/proof & testing	20	03-May-19	03-Aug-19	18-Mar-19A	24-Mar-20	-188	100%	94%											
9049	POD_LAN_N - AM1-6.5 Lay insulation & screed to fall	24	15-Jun-19	17-Aug-19	21-May-19A	28-Mar-20	-180	100%	92%											
9050	POD_LAN_N - AM1-6.5 Construct RC screed	28	22-Jun-19	16-Sep-19	03-Jun-19A	02-Apr-20	-160	100%	90%											
9051	POD_LAN_N - AM1-6.5 Construct sleeper wall + ducts & drawpits	28	22-Jul-19	30-Sep-19	10-Jul-19A	03-Apr-20	-149	100%	80%											
9053	POD_LAN_N - AM1-6.5 Soft landscaping	36	28-Nov-19	06-Feb-20	11-Nov-19A	17-Apr-20	-60	100%	30%											
9052	POD_LAN_N - AM1-6.5 Install precast concrete pavers	18	02-Sep-19	27-Nov-19	25-Nov-19A	23-Mar-20	-91	100%	70%											
9071	POD_LAN_N - AM1-6.5 MEP 1st & 2nd fix	30	02-Sep-19	09-Oct-19	27-Nov-19A	08-Apr-20	-146	100%	15%											
9072	POD_LAN_N - AM1-6.5 MEP final fix (FS hose reel system)	12	17-Sep-19	30-Sep-19	29-Nov-19A	03-Apr-20	-149	100%	26.99%											
9075	POD_LAN_N - AM1-6.5 MEP final fix (rem)	12	28-Nov-19	11-Dec-19	01-Apr-20	15-Apr-20	-98	100%	0%											
<b>South Section AM8.5-14</b>																				
7041	POD_LAN_S - AM8.5-14 Lay insulation & screed to fall	4	19-Jun-19	22-Aug-19	05-Jul-19A	05-Mar-20	-157	100%	95%											
7042	POD_LAN_S - AM8.5-14 Construct RC screed	10	26-Jun-19	20-Sep-19	15-Jul-19A	12-Mar-20	-139	100%	95%											
7043	POD_LAN_S - AM8.5-14 Construct sleeper wall + ducts & drawpits	20	25-Jul-19	05-Oct-19	04-Sep-19A	24-Mar-20	-137	100%	60%											
7125	POD_LAN_S - AM8.5-14 MEP 1st & 2nd fix	26	05-Sep-19	14-Oct-19	25-Nov-19A	31-Mar-20	-137	100%	15%											
7130	POD_LAN_S - AM8.5-14 MEP final fix (FS hose reel system)	12	20-Sep-19	05-Oct-19	27-Nov-19A	19-Mar-20	-133	100%	15%											
7111	POD_LAN_S - AM8.5-14 Soft landscaping	36	02-Dec-19	11-Feb-20	23-Dec-19A	13-Apr-20	-53	100%	20%											
7057	POD_LAN_S - AM8.5-14 Pp/cast pavers & Interface with Escalator localised area (w/pr	24	05-Sep-19	02-Dec-19	02-Jan-20A	28-Mar-20	-93	100%	30%											
7187	POD_LAN_S - AM8.5-14 MEP final fix (rem)	12	02-Dec-19	16-Dec-19	25-Mar-20	08-Apr-20	-89	100%	0%											
<b>Middle Section - AM6.5-8.5</b>																				
9056	POD_LAN_M - AM6.5-8.5 Construct RC screed	4	17-Oct-19	14-Nov-19	09-Dec-19A	05-Mar-20	-88	100%	92.99%											
9057	POD_LAN_M - AM6.5-8.5 Construct sleeper wall + ducts & drawpits	12	31-Oct-19	28-Nov-19	20-Dec-19A	14-Mar-20	-84	100%	80%											
9066	POD_LAN_M - AM6.5-8.5 MEP 1st & 2nd fix (no FSD services)	12	12-Dec-19	27-Dec-19	06-Jan-20A	21-Mar-20	-66	100%	15%											
9058	POD_LAN_M - AM6.5-8.5 Install precast concrete pavers	18	28-Nov-19	12-Dec-19	17-Jan-20A	21-Mar-20	-78	100%	2%											
9059	POD_LAN_M - AM6.5-8.5 Soft landscaping	24	11-Jan-20	17-Feb-20	16-Mar-20	13-Apr-20	-48	100%	0%											
9074	POD_LAN_M - AM6.5-8.5 MEP final fix (no FSD)	12	27-Dec-19	11-Jan-20	23-Mar-20	06-Apr-20	-66	100%	0%											
<b>EWS (External Wall System)</b>																				
<b>Skylight, Glazing, Internal Glass Walls &amp; Cladding</b>																				
<b>B1/F - Southern Perimeter Glass Wall</b>																				
<b>Installation</b>																				
7189	POD_B1_GW - G+M13+ Pisa Glass M_Shop 2M_Image (B1_Z09b) (Pisa 08-04; 08-	3	27-Jun-19	25-Jul-19	14-Oct-19A	04-Mar-20	-179	100%	88%											
7191	POD_B1_GW - E+G12+ Pisa Glass (South Entrance)	3	22-Aug-19	11-Sep-19	08-Jan-20A	04-Mar-20	-138	100%	75%											
6895	POD_B1_GW - Pisa Inner Glass Museum Caffe (B1_Z08) (Pisa 08-02) Oct_UPD:EF 1	3	04-May-19	15-Jun-19	13-Jan-20A	04-Mar-20	-212	100%	88%											
6895a	POD_B1_GW - Pisa Outer Glass Museum Caffe (B1_Z08) (Pisa 08-02) Oct_UPD:EF 1	4			13-Jan-20A	05-Mar-20		0%	88%											
7191a	POD_B1_GW - E+G3+ Pisa Glass (North Entrance) (Pisa: 08-05) - Oct_UPD:EF 7Dec	3			21-Jan-20A	04-Mar-20		0%	75%											
7191c	POD_B1_GW - E+G12+ Glass Door Actuator Installation + test (South Entrance - 6 Nos	12			09-Mar-20	21-Mar-20		0%	0%											
<b>GF to 1MF Soffit - Glass Walls, Columns &amp; Walls Ceramic Cladding</b>																				
<b>Priority 1 - Atrium Circ_Box &amp; Cer_Tubes (MEP Plenum Voids)</b>																				
<b>Installation</b>																				
1001	POD_GF_Z07_P1 - G-M8-13 Pisa Glass & Tube Walls (ACC 16Oct)	3	08-Jul-19	17-Aug-19	19-Aug-19A	04-Mar-20	-159	100%	90%											
8596	POD_GF_Z07_P1 - B-G8-13 Pisa Balance Glass & Tube Walls (ACC 19Oct)	5	08-Jun-19	20-Jul-19	16-Sep-19A	06-Mar-20	-185	100%	83%											
8935	POD_GF_Z07_P1 - AE/9-11 Pisa Install Ceramic Tube Learning Centre (ACC 21 Sep) t	3	29-Jul-19	07-Sep-19	07-Oct-19A	04-Mar-20	-141	100%	90%											
8946	POD_GF_Z07_P1 - AM1-7 Pisa Glass & Tube Walls (ACC 19Oct)	3	17-May-19	28-Jun-19	26-Oct-19A	04-Mar-20	-201	100%	82%											
8335	POD_GF_Z07_P1 - B-G8-13 Pisa Lecture Theatre/Wshops Install Glass (ACC 9Oct) C	3	06-Aug-19	17-Sep-19	03-Dec-19A	04-Mar-20	-134	100%	90%											
1001b	POD_GF - Glass Door Actuator Installation + 6d test (South Entrance - 27 Nos + 1 mock	21			15-Apr-20	09-May-20		0%	0%											
<b>Priority 2 - External Glass; Cer_Tubes (MEP Jet Nozzles)</b>																				
<b>Installation</b>																				
9874	POD_GF_Z07_P2 - Pisa (all P2 areas) - Install 1st Fix (shared access with MEP)	4	08-May-19	06-Jun-19	15-Jun-19A	05-Mar-20	-220	100%	83%											
8558	POD_GF_Z07_P2 - Pisa (all P2 areas) - Install Ceramic Tube Wall (ACC 26Nov)	3	29-Jun-19	10-Aug-19	16-Sep-19A	07-Mar-20	-168	100%	87%											
8945	POD_GF_Z07_P2 - GM8-13 Pisa - Install Glass Wall (ACC 26Nov) OctUPD:EF 6Dec	3	08-Jun-19	20-Jul-19	11-Nov-19A	07-Mar-20	-186	100%	90%											
10111	POD_GF_Z07_P2 - BG8-13 Pisa - Install Glass Wall (LC area) (ACC 18Nov) OctUPD:EF	3			06-Jan-20A	04-Mar-20		0%	90%											
10109	POD_GF_Z07_P2 - AM1-7 Pisa - Install Windows (3 off) (ACC 4Nov) OctUPD:EF 9Dec	7			02-Mar-20	09-Mar-20		0%	0%											
<b>Priority 3 - Decorative Walls &amp; Dry Fix</b>																				
<b>Installation</b>																				
9884	POD_GF_Z07_P3 - AM1-7 Pisa - Ext. & Decorative Walls (ACC 5Dec) OctUPD:EF 2 Dec	3	30-Apr-19	13-Jun-19	01-Aug-19A	04-Mar-20	-215	100%	90%											
9885	POD_GF_Z07_P3 - GM8-13 Pisa - Ext. & Decorative Walls (ACC 2Dec) OctUPD:EF 3C	3	23-Apr-19	05-Jun-19	23-Sep-19A	04-Mar-20	-221	100%	90%											
9886	POD_GF_Z07_P3 - BG8-13 Pisa - Ext. & Decorative Walls (ACC 30Nov) OctUP:EF 30	3	18-May-19	29-Jun-19	04-Nov-19A	04-Mar-20	-200	100%	90%											
<b>2F - Glass With Pre-cast Concrete Mullions</b>																				
8603	POD_L2_Z04a_GW - BF/11-13 Pisa Install East GW	3	03-Jul-19	30-Jul-19	01-Oct-19A	04-Mar-20	-175	100%	94%											
8953	POD_L2_Z04a_GW - BF/11-13 Pisa Install West GW	3	14-Aug-19	10-Sep-19	01-Oct-19A	04-Mar-20	-139	100%	94%											
<b>Comugated Aluminium Perf. Panels &amp; Pre-Cast Concrete Tubes</b>																				
1228	POD_GF - SetOut & Install Angle Supports/Panels/Louvers - Type A Angle 186-End	12	16-Aug-19	04-Nov-19	27-Jul-19A	24-Mar-20	-112	100%	80%											
1229	POD_GF - SetOut & Install Angle Supports/Panels/Louvers - Type B Cway GL_A-G	20	28-Jun-19	13-Sep-19	09-Sep-19A	24-Mar-20	-153	100%	80%											
1225	POD_GF - SetOut & Install Angle Supports/Panels/Louvers - Type C GL_1-H	20	10-Apr-19	22-May-19	21-Oct-19A	24-Mar-20	-249	100%	80%											
1226	POD_GF - SetOut & Install Angle Supports/Panels/Louvers - Type C G_LH-F	20	23-May-19	27-Jun-19	21-Oct-19A	24-Mar-20	-219	100%	80%											
1230	POD_GF - SetOut & Install Angle Supports/Panels/Louvers - Type B Cway GL_HM	20	16-Sep-19	05-Nov-19	21-Oct-19A	24-Mar-20	-111	100%	80%											
1227	POD_GF - SetOut & Install Angle Supports/Panels/Louvers - Type A C GL_F-angle 186	20	19-Jul-19	05-Sep-19	18-Nov-19A	24-Mar-20	-160	100%	80%											
1231	POD_GF - SetOut & Install Angle Supports/Panels/Louvers - Type A Cway GL_A-End	12	06-Nov-19	24-Dec-19	08-Jan-20A	26-Mar-20	-71	100%	80%											
9780	POD_GF - Install Pre-Cast Concrete Tube at West (A+3/7)	24	23-Aug-19	20-Sep-19	02-Mar-20*	28-Mar-20	-152	100%	0%											
<b>Vertical Transportation</b>																				
<b>Lifts</b>																				
9333	POD_LT07 - Passenger Lift (B2 - 3F) - Lift Pit/Shaft/Machine Room MEP 1st,2nd & Fin	6	11-Apr-19	21-Jun-19	23-Jul-19A	07-Mar-20	-210	100%	92%											
9341	POD_LT08 - Passenger Lift (B2 - 2F) - Lift Pit/Shaft/Machine Room MEP 1st,2nd & Fin	6	11-Apr-19	21-Jun-19	23-Jul-19A	07-Mar-20	-210	100%	92%											
9327	POD_LT22 - Passenger/Disabled Lift (GF - 3F) - Lift Installation MEP 1st,2nd & Final Fix	10	04-Jun-19	14-Aug-19	18-Nov-19A	12-Mar-20	-169	100%	72%											
<b>Escalators</b>																				
<b>Escalator No. and grid location by user_ (SZ1)</b>																				
9498	POD_ES01-02_GL D-E8-10_B2 to B1 - Install Truss Assy/Steps/Hand Rail MEP 1st,2nd	6	04-May-19	15-Jul-19	22-Oct-19A	07-Mar-20	-191	100%	81%											
9499	POD_ES01-02_GL D-E8-10_B2 to B1 - High Level MEP 1st,2nd & final fix/ABWF wor	12	16-Jul-19	12-Aug-19	02-Mar-20	14-Mar-20	-173	100%	0%											
9500	POD_ES01-02_GL D-E8-10_B2 to B1 - Escalator Finishes (glazing, cladding																			

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020											
										Qtr 1		Qtr 2			Qtr 3						
										Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
9032	POD_ST20B_FS - Ceiling Dust Sealer	26	05-Jun-19	06-Jul-19	02-Mar-20*	31-Mar-20	-218	100%	0%												
9034	POD_ST20B_FS - MEP 1st fix, 2nd fix	12	08-Aug-19	19-Sep-19	02-Mar-20*	14-Mar-20	-141	100%	0%												
9035	POD_ST20B_FS - Wall Dust Sealer	26	03-Sep-19	04-Oct-19	12-Mar-20	11-Apr-20	-152	100%	0%												
9578	POD_ST51B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	19-Jul-19	01-Aug-19	26-Nov-19A	15-Apr-20	-208	100%	89.98%												
9572	POD_ST51B_FS - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	05-Mar-20*	03-Apr-20	-247	100%	0%												
9575	POD_ST51B_FS - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	12-Mar-20	11-Apr-20	-219	100%	0%												
9584	POD_ST53B_FS - Permanent Hand Rail	6	09-Jul-19	23-Jul-19	14-Oct-19A	07-Mar-20	-184	100%	95.05%												
9586	POD_ST53B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	19-Jul-19	01-Aug-19	25-Nov-19A	18-Apr-20	-211	100%	89.98%												
9582	POD_ST53B_FS - MEP 1st fix, 2nd fix	11	20-May-19	02-Jul-19	02-Mar-20*	13-Mar-20	-207	100%	0%												
9580	POD_ST53B_FS - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	09-Mar-20*	08-Apr-20	-250	100%	0%												
9583	POD_ST53B_FS - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	12-Mar-20	11-Apr-20	-219	100%	0%												
9590	POD_ST54B_FS - MEP 1st fix, 2nd fix	10	15-Jun-19	27-Jul-19	23-Sep-19A	12-Mar-20	-184	100%	45%												
9592	POD_ST54B_FS - Permanent Hand Rail	13	03-Aug-19	17-Aug-19	18-Nov-19A	16-Mar-20	-169	100%	95.05%												
9594	POD_ST54B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	14-Aug-19	27-Aug-19	18-Nov-19A	22-Apr-20	-192	100%	89.98%												
9588	POD_ST54B_FS - Ceiling Dust Sealer	26	31-May-19	02-Jul-19	12-Mar-20*	11-Apr-20	-231	100%	0%												
9591	POD_ST54B_FS - Wall Dust Sealer	26	12-Jul-19	10-Aug-19	19-Mar-20	18-Apr-20	-203	100%	0%												
<b>Staircases Not Required for Pressurisation</b>																					
9097	POD_ST81 - Permanent Hand Rail	13	16-Sep-19	30-Sep-19	10-Dec-19A	16-Mar-20	-133	100%	90%												
9093	POD_ST81 - Ceiling Dust Sealer	26	15-Jul-19	13-Aug-19	02-Mar-20*	31-Mar-20	-186	100%	0%												
9095	POD_ST81 - MEP 1st fix, 2nd fix	12	29-Jul-19	07-Sep-19	02-Mar-20	14-Mar-20	-150	100%	0%												
9096	POD_ST81 - Wall Dust Sealer	26	23-Aug-19	23-Sep-19	09-Mar-20	08-Apr-20	-158	100%	0%												
9099	POD_ST81 - All Other Finishes / Make Good & Clean	12	26-Sep-19	11-Oct-19	01-Apr-20	15-Apr-20	-150	100%	0%												
9103	POD_ST17B - MEP 1st fix, 2nd fix	12	08-Jul-19	17-Aug-19	01-Apr-19A	14-Mar-20	-168	100%	75%												
9105	POD_ST17B - Permanent Hand Rail	6	24-Aug-19	07-Sep-19	21-Oct-19A	07-Mar-20	-144	100%	95%												
9107	POD_ST17B - All Other Finishes (DOOR) / Make Good & Clean	12	04-Sep-19	18-Sep-19	18-Nov-19A	25-Apr-20	-177	100%	89.98%												
9101	POD_ST17B - Ceiling Dust Sealer	26	22-Jun-19	23-Jul-19	16-Mar-20*	15-Apr-20	-216	100%	0%												
9104	POD_ST17B - Wall Dust Sealer	26	02-Aug-19	31-Aug-19	23-Mar-20	22-Apr-20	-188	100%	0%												
9111	POD_ST15B - MEP 1st fix, 2nd fix	12	15-Jul-19	24-Aug-19	19-Jun-19A	14-Mar-20	-162	100%	75%												
9113	POD_ST15B - Permanent Hand Rail	13	31-Aug-19	16-Sep-19	21-Nov-19A	16-Mar-20	-145	100%	95%												
9115	POD_ST15B - All Other Finishes (DOOR) / Make Good & Clean	12	11-Sep-19	25-Sep-19	25-Nov-19A	25-Apr-20	-171	100%	89.98%												
9109	POD_ST15B - Ceiling Dust Sealer	26	29-Jun-19	30-Jul-19	16-Mar-20*	15-Apr-20	-210	100%	0%												
9112	POD_ST15B - Wall Dust Sealer	26	09-Aug-19	07-Sep-19	23-Mar-20	22-Apr-20	-182	100%	0%												
9248	POD_ST71 - MEP 1st fix, 2nd fix	12	24-Jun-19	05-Aug-19	16-Sep-19A	14-Mar-20	-179	100%	80%												
9250	POD_ST71 - Permanent Hand Rail	6	12-Aug-19	26-Aug-19	03-Feb-20A	14-Mar-20	-161	100%	80%												
9247	POD_ST71 - Floor Wproof Screenshot	26	17-Jun-19	17-Jul-19	12-Mar-20*	11-Apr-20	-218	100%	0%												
9246	POD_ST71 - Ceiling Dust Sealer	26	10-Jun-19	10-Jul-19	16-Mar-20*	15-Apr-20	-227	100%	0%												
9249	POD_ST71 - Wall Dust Sealer	26	20-Jul-19	19-Aug-19	23-Mar-20	22-Apr-20	-199	100%	0%												
9251	POD_ST71 - Stair Nosing Tile	13	14-Aug-19	28-Aug-19	27-Mar-20	11-Apr-20	-182	100%	0%												
9252	POD_ST71 - All Other Finishes / Make Good & Clean	12	22-Aug-19	04-Sep-19	13-Apr-20	25-Apr-20	-188	100%	0%												
9176	POD_ST30-31-32-33 - MEP 1st fix, 2nd fix	12	06-Aug-19	17-Sep-19	16-Sep-19A	14-Mar-20	-143	100%	45%												
9178	POD_ST30-31-32-33 - Permanent Hand Rail	13	24-Sep-19	10-Oct-19	21-Oct-19A	16-Mar-20	-126	100%	90%												
9174	POD_ST30-31-32-33 - Ceiling Dust Sealer	26	23-Jul-19	21-Aug-19	02-Mar-20*	31-Mar-20	-179	100%	0%												
9177	POD_ST30-31-32-33 - Wall Dust Sealer	26	31-Aug-19	02-Oct-19	09-Mar-20	08-Apr-20	-151	100%	0%												
9180	POD_ST30-31-32-33 - All Other Finishes (DOOR) / Make Good & Clean	12	05-Oct-19	19-Oct-19	28-Mar-20	11-Apr-20	-140	100%	0%												
9184	POD_ST73 - MEP 1st fix, 2nd fix	12	14-Aug-19	25-Sep-19	16-Sep-19A	14-Mar-20	-136	100%	82.5%												
9186	POD_ST73 - Permanent Hand Rail	13	03-Oct-19	18-Oct-19	08-Feb-20A	21-Mar-20	-124	100%	50.05%												
9183	POD_ST73 - Floor Wproof Screenshot	26	07-Aug-19	05-Sep-19	16-Mar-20*	15-Apr-20	-178	100%	0%												
9182	POD_ST73 - Ceiling Dust Sealer	26	31-Jul-19	29-Aug-19	19-Mar-20*	18-Apr-20	-187	100%	0%												
9185	POD_ST73 - Wall Dust Sealer	26	09-Sep-19	11-Oct-19	26-Mar-20	25-Apr-20	-159	100%	0%												
9187	POD_ST73 - Stair Nosing Tile	13	05-Oct-19	21-Oct-19	31-Mar-20	15-Apr-20	-142	100%	0%												
9188	POD_ST73 - All Other Finishes / Make Good & Clean	12	15-Oct-19	28-Oct-19	16-Apr-20	29-Apr-20	-148	100%	0%												
9192	POD_ST74 - MEP 1st fix, 2nd fix	12	03-Aug-19	13-Sep-19	16-Sep-19A	14-Mar-20	-145	100%	82.5%												
9191	POD_ST74 - Floor Wproof Screenshot	26	27-Jul-19	26-Aug-19	09-Mar-20*	08-Apr-20	-181	100%	0%												
9190	POD_ST74 - Ceiling Dust Sealer	26	20-Jul-19	19-Aug-19	12-Mar-20*	11-Apr-20	-190	100%	0%												
9194	POD_ST74 - Permanent Hand Rail	13	21-Sep-19	08-Oct-19	12-Mar-20	26-Mar-20	-137	100%	0%												
9193	POD_ST74 - Wall Dust Sealer	26	29-Aug-19	28-Sep-19	19-Mar-20	18-Apr-20	-162	100%	0%												
9195	POD_ST74 - Stair Nosing Tile	13	24-Sep-19	10-Oct-19	24-Mar-20	08-Apr-20	-145	100%	0%												
9196	POD_ST74 - All Other Finishes / Make Good & Clean	12	03-Oct-19	17-Oct-19	09-Apr-20	22-Apr-20	-151	100%	0%												
9200	POD_ST34 - MEP 1st fix, 2nd fix	12	03-Aug-19	13-Sep-19	02-Sep-19A	14-Mar-20	-145	100%	45%												
9202	POD_ST34 - Permanent Hand Rail	13	21-Sep-19	08-Oct-19	18-Nov-19A	16-Mar-20	-128	100%	90%												
9198	POD_ST34 - Ceiling Dust Sealer	26	20-Jul-19	19-Aug-19	12-Mar-20*	11-Apr-20	-190	100%	0%												
9201	POD_ST34 - Wall Dust Sealer	26	29-Aug-19	28-Sep-19	19-Mar-20	18-Apr-20	-162	100%	0%												
9204	POD_ST34 - All Other Finishes / Make Good & Clean	12	03-Oct-19	17-Oct-19	09-Apr-20	22-Apr-20	-151	100%	0%												
9208	POD_ST72 - MEP 1st fix, 2nd fix	12	03-Aug-19	13-Sep-19	09-Sep-19A	14-Mar-20	-145	100%	75%												
9210	POD_ST72 - Permanent Hand Rail	13	21-Sep-19	08-Oct-19	15-Feb-20A	25-Mar-20	-136	100%	50.05%												
9207	POD_ST72 - Floor Wproof Screenshot	26	27-Jul-19	26-Aug-19	16-Mar-20*	15-Apr-20	-187	100%	0%												
9206	POD_ST72 - Ceiling Dust Sealer	26	20-Jul-19	19-Aug-19	19-Mar-20*	18-Apr-20	-196	100%	0%												
9209	POD_ST72 - Wall Dust Sealer	26	29-Aug-19	28-Sep-19	26-Mar-20	25-Apr-20	-168	100%	0%												
9211	POD_ST72 - Stair Nosing Tile	13	24-Sep-19	10-Oct-19	31-Mar-20	15-Apr-20	-151	100%	0%												
9212	POD_ST72 - All Other Finishes / Make Good & Clean	12	03-Oct-19	17-Oct-19	16-Apr-20	29-Apr-20	-157	100%	0%												
9218	POD_ST75 - Permanent Hand Rail & Balustrade	13	09-Jul-19	23-Jul-19	03-Feb-20A	25-Mar-20	-199	100%	50.05%												
9216	POD_ST75 - MEP 1st fix, 2nd fix	12	20-May-19	02-Jul-19	02-Mar-20	14-Mar-20	-208	100%	0%												
9215	POD_ST75 - Timber step treads and landing	26	13-May-19	12-Jun-19	19-Mar-20*	18-Apr-20	-253	100%	0%												
9214	POD_ST75 - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	23-Mar-20*	22-Apr-20	-262	100%	0%												
9217	POD_ST75 - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	30-Mar-20	29-Apr-20	-234	100%	0%												
9220	POD_ST75 - All Other Finishes / Make Good & Clean	12	19-Jul-19	01-Aug-19	20-Apr-20	04-May-20	-223	100%	0%												
9224	POD_ST16 - MEP 1st fix, 2nd fix	12	05-Jun-19	18-Jul-19	14-Oct-19A	14-Mar-20	-194	100%	75%												
9222	POD_ST16 - Ceiling Dust Sealer	26	22-May-19	21-Jun-19	09-Mar-20*	08-Apr-20	-236	100%	0%												
9225	POD_ST16 - Wall Dust Sealer	26	03-Jul-19	01-Aug-19	16-Mar-20	15-Apr-20	-208	100%	0%												
9228	POD_ST16 - All Other Finishes (DOOR) / Make Good & Clean	12	05-Aug-19	17-Aug-19	09-Apr-20	22-Apr-20	-200	100%	0%												
9232	POD_ST09 - MEP 1st fix, 2nd fix	9	20-May-19	02-Jul-19	26-Apr-19A	11-Mar-20	-205	100%	90%												
9230	POD_ST09 - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	09-Mar-20*	08-Apr-20	-250	100%	0%												
9233	POD_ST09 - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	16-Mar-20	15-Apr-20	-222	100%	0%												
9236	POD_ST09 - All Other Finishes (DOOR) / Make Good & Clean	12	19-Jul-19	01-Aug-19	06-Apr-20	18-Apr-20	-211	100%	0%												
9240	POD_ST11 - MEP 1st fix, 2nd fix	7	20-May-19	02-Jul-19	06-May-19A	09-Mar-20	-203	100%	90%												
9239	POD_ST11 - Floor Wproof Screenshot	13	13-May-19	12-Jun-19	26-Aug-19A	16-Mar-20	-225	100%	70%												
9243	POD_ST11 - Stair Nosing Tile	13	11-Jul-19	25-Jul-19	02-Sep-19A	16-Mar-20	-189	100%	70%												

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020								
										Qtr 1			Qtr 2			Qtr 3		
										Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
9422	POD_ST07 - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	19-Mar-20	18-Apr-20	-225	100%	0%									
9425	POD_ST07 - All Other Finishes / Make Good & Clean	12	19-Jul-19	01-Aug-19	09-Apr-20	22-Apr-20	-214	100%	0%									
9430	POD_ST06 - MEP 1st fix, 2nd fix	9	16-Apr-19	28-May-19	29-Apr-19A	11-Mar-20	-233	100%	90%									
9428	POD_ST06 - Ceiling Dust Sealer	26	01-Apr-19	02-May-19	09-Mar-20*	08-Apr-20	-278	100%	0%									
9431	POD_ST06 - Wall Dust Sealer	26	13-May-19	12-Jun-19	16-Mar-20	15-Apr-20	-250	100%	0%									
9434	POD_ST06 - All Other Finishes (DOOR) / Make Good & Clean	12	15-Jun-19	28-Jun-19	06-Apr-20	18-Apr-20	-239	100%	0%									
9438	POD_ST17 - MEP 1st fix, 2nd fix	9	20-May-19	02-Jul-19	19-Jun-19A	11-Mar-20	-205	100%	80%									
9436	POD_ST17 - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	16-Mar-20*	15-Apr-20	-256	100%	0%									
9439	POD_ST17 - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	23-Mar-20	22-Apr-20	-228	100%	0%									
9442	POD_ST17 - All Other Finishes (DOOR) / Make Good & Clean	12	19-Jul-19	01-Aug-19	13-Apr-20	25-Apr-20	-217	100%	0%									
9446	POD_ST76 - MEP 1st fix, 2nd fix	12	16-Apr-19	28-May-19	17-Feb-20A	14-Mar-20	-236	100%	50%									
9448	POD_ST76 - Permanent Hand Rail	13	04-Jun-19	19-Jun-19	14-Mar-20	28-Mar-20	-230	100%	0%									
9445	POD_ST76 - Floor Wproof Screenshot	26	09-Apr-19	09-May-19	16-Mar-20*	15-Apr-20	-278	100%	0%									
9444	POD_ST76 - Ceiling Dust Sealer	26	01-Apr-19	02-May-19	19-Mar-20*	18-Apr-20	-287	100%	0%									
9447	POD_ST76 - Wall Dust Sealer	26	13-May-19	12-Jun-19	26-Mar-20	25-Apr-20	-259	100%	0%									
9449	POD_ST76 - Stair Nosing Tile	13	06-Jun-19	21-Jun-19	31-Mar-20	15-Apr-20	-242	100%	0%									
9450	POD_ST76 - All Other Finishes / Make Good & Clean	12	15-Jun-19	28-Jun-19	16-Apr-20	29-Apr-20	-248	100%	0%									
9596	POD_ST52B - Ceiling Dust Sealer	14	22-Jul-19	20-Aug-19	20-May-19A	17-Mar-20	-168	100%	50%									
9598	POD_ST52B - MEP 1st fix, 2nd fix	10	05-Aug-19	16-Sep-19	09-Sep-19A	12-Mar-20	-142	100%	92.5%									
9600	POD_ST52B - Permanent Hand Rail	13	23-Sep-19	09-Oct-19	11-Nov-19A	16-Mar-20	-127	100%	95.05%									
9602	POD_ST52B - All Other Finishes / Make Good & Clean	12	04-Oct-19	18-Oct-19	18-Nov-19A	24-Mar-20	-126	100%	89.98%									
9599	POD_ST52B - Wall Dust Sealer	26	30-Aug-19	30-Sep-19	13-Mar-20	13-Apr-20	-156	100%	0%									
9610	POD_ST22 - All Other Finishes (DOOR) / Make Good & Clean	36	21-Aug-19	03-Sep-19	22-Jul-19A	13-Apr-20	-178	100%	5%									
9606	POD_ST22 - MEP 1st fix, 2nd fix	12	22-Jun-19	03-Aug-19	16-Sep-19A	14-Mar-20	-180	100%	75%									
9608	POD_ST22 - Permanent Hand Rail	13	10-Aug-19	24-Aug-19	21-Nov-19A	16-Mar-20	-163	100%	95.05%									
9604	POD_ST22 - Ceiling Dust Sealer	26	08-Jun-19	09-Jul-19	02-Mar-20*	31-Mar-20	-216	100%	0%									
9607	POD_ST22 - Wall Dust Sealer	26	19-Jul-19	17-Aug-19	09-Mar-20	08-Apr-20	-188	100%	0%									
10065	POD_ST78 - Permanent Hand Rail	13	17-Oct-19	31-Oct-19	25-Nov-19A	16-Mar-20	-108	100%	90%									
10063	POD_ST78 - MEP 1st fix, 2nd fix	12	27-Aug-19	10-Oct-19	02-Mar-20	14-Mar-20	-125	100%	0%									
10061	POD_ST78 - Ceiling Dust Sealer	26	13-Aug-19	11-Sep-19	05-Mar-20*	03-Apr-20	-164	100%	0%									
10064	POD_ST78 - Wall Dust Sealer	26	23-Sep-19	24-Oct-19	12-Mar-20	11-Apr-20	-136	100%	0%									
10067	POD_ST78 - All Other Finishes / Make Good & Clean	12	28-Oct-19	09-Nov-19	01-Apr-20	15-Apr-20	-125	100%	0%									
10073	POD_ST79 - Permanent Hand Rail	13	17-Oct-19	31-Oct-19	26-Nov-19A	16-Mar-20	-108	100%	90%									
10071	POD_ST79 - MEP 1st fix, 2nd fix	12	27-Aug-19	10-Oct-19	02-Mar-20	14-Mar-20	-125	100%	0%									
10069	POD_ST79 - Ceiling Dust Sealer	26	13-Aug-19	11-Sep-19	05-Mar-20	03-Apr-20	-164	100%	0%									
10072	POD_ST79 - Wall Dust Sealer	26	23-Sep-19	24-Oct-19	12-Mar-20	11-Apr-20	-136	100%	0%									
10075	POD_ST79 - All Other Finishes / Make Good & Clean	12	28-Oct-19	09-Nov-19	01-Apr-20	15-Apr-20	-125	100%	0%									
10081	POD_ST24 - Permanent Hand Rail	13	21-Jun-19	06-Jul-19	04-Nov-19A	16-Mar-20	-205	100%	90%									
10083	POD_ST24 - All Other Finishes / Make Good & Clean	12	03-Jul-19	16-Jul-19	18-Nov-19A	22-Apr-20	-228	100%	50.01%									
10079	POD_ST24 - MEP 1st fix, 2nd fix	12	03-May-19	14-Jun-19	02-Mar-20	14-Mar-20	-222	100%	0%									
10077	POD_ST24 - Ceiling Dust Sealer	26	18-Apr-19	18-May-19	12-Mar-20*	11-Apr-20	-267	100%	0%									
10080	POD_ST24 - Wall Dust Sealer	26	29-May-19	28-Jun-19	19-Mar-20	18-Apr-20	-239	100%	0%									
10091	POD_ST55B - All Other Finishes / Make Good & Clean	12	12-Nov-19	25-Nov-19	25-Nov-19A	22-Apr-20	-118	100%	89.98%									
10087	POD_ST55B - MEP 1st fix, 2nd fix	12	11-Sep-19	25-Oct-19	02-Mar-20*	14-Mar-20	-112	100%	0%									
10085	POD_ST55B - Ceiling Dust Sealer	26	28-Aug-19	27-Sep-19	12-Mar-20	11-Apr-20	-157	100%	0%									
10088	POD_ST55B - Wall Dust Sealer	26	10-Oct-19	08-Nov-19	19-Mar-20	18-Apr-20	-129	100%	0%									
<b>Testing &amp; Commissioning</b>																		
<b>HVAC</b>																		
7564	POD_MEP_Wild_Air - Pipes Flushing w/ Water Sample Test (Excl. Cinema Areas CWS)	12	06-Nov-19	22-Nov-19	26-Oct-19A	16-Mar-20	-89	100%	95%									
7568	POD_MEP_Wild_Air - AHU SAT & LMCP SAT	9	02-Nov-19	03-Dec-19	26-Oct-19A	11-Mar-20	-77	100%	95.02%									
7569	POD_MEP_Wild_Air - Start Up AHU @ Each Level	12	03-Dec-19	17-Dec-19	30-Nov-19A	14-Mar-20	-68	100%	40.01%									
7570	POD_MEP_Wild_Air - Air Flow Test	24	17-Dec-19	16-Jan-20	06-Jan-20	02-Apr-20	-60	100%	0%									
7572	POD_MEP_Wild_Air - Air System Balancing	60	07-Feb-20	11-May-20	03-Apr-20*	13-Jun-20	-30	25.07%	0%									
7571	POD_MEP_Wild_Air - AHU Performance Test	15	16-Jan-20	07-Feb-20	15-May-20*	01-Jun-20	-97	100%	0%									
<b>Electrical &amp; Controls</b>																		
9469	POD_EL - Test non-FSD Lifts w/ Permanent Power (9 nos)	18	15-Aug-19	11-Sep-19	02-Sep-19A	21-Mar-20	-153	100%	80%									
7585	POD_EL - Power & Distribution Insulation/Polarity Checks	32	26-Nov-19	09-Jan-20	13-Nov-19A	08-Apr-20	-70	100%	65%									
9468	POD_EL - Test FSD Lifts w/ Permanent Power (4 nos)	22	13-Sep-19	21-Sep-19	19-Nov-19A	26-Mar-20	-150	100%	74.99%									
7586	POD_EL - Power & Distribution Functional Components Test	42	03-Dec-19	16-Jan-20	21-Nov-19A	20-Apr-20	-74	100%	40%									
9470	POD_EL - Test Escalators w/ Permanent Power for ES01 to 06, ES11 to 12	28	02-Nov-19	29-Nov-19	15-Jan-20A	06-Apr-20	-100	100%	50%									
7580	POD_EL - Lighting & Control T&C	36	17-Dec-19	07-Feb-20	25-Feb-20A	27-Apr-20	-68	100%	5%									
7583	POD_EL - AV Systems Test	36	17-Dec-19	07-Feb-20	25-Feb-20A	27-Apr-20	-68	100%	10%									
9540	POD_EL - Test Escalators w/ Permanent Power for ES 03 to 06, ES11 to 14 (High Level)	24	02-Nov-19	29-Nov-19	09-Mar-20	07-Apr-20	-100	100%	0%									
7584	POD_EL - BMS Systems Test	24	02-Jan-20	07-Feb-20	30-Mar-20	27-Apr-20	-68	100%	0%									
7577	POD_EL - UPS T&C	24	02-Jan-20	07-Feb-20	07-Apr-20A	27-Apr-20	-68	100%	20%									
<b>Plumbing &amp; Drainage</b>																		
1195	POD_P&D - Hydraulic Tests P&D	30	08-Oct-19	02-Dec-19	25-Sep-19A	06-Apr-20	-98	100%	85.02%									
1197	POD_P&D - Equipment Test & Pumps Rotation Checks	36	05-Nov-19	02-Dec-19	04-Nov-19A	13-Apr-20	-104	100%	30%									
<b>Fire Services</b>																		
1196	POD_FS - FS Hydraulic Test Pipe Works	36	11-Oct-19	05-Dec-19	28-Sep-19A	15-Apr-20	-103	100%	80%									
7587	POD_FS - FS Power & Controls Insulation/Continuity/Polarity Checks	26	24-Oct-19	05-Dec-19	22-Oct-19A	31-Mar-20	-92	100%	75%									
7589	POD_FS - Staircases Pressurisation Test	18	05-Nov-19	17-Dec-19	05-Dec-19A	21-Mar-20	-74	100%	30%									
9293	POD_FS - Fire Shutters & Smoke Curtains Test (*2 shifts)	8	07-Nov-19	05-Dec-19	18-Feb-20A	24-Mar-20	-85	100%	10%									
7595	POD_FS - Gas Flooding Test	18	14-Nov-19	05-Dec-19	02-Mar-20	21-Mar-20	-84	100%	0%									
AUDIT	POD_FS - Auditorium Air Flow Test	18	02-Dec-19	21-Dec-19	02-Mar-20	02-Mar-20	-69	100%	0%									
POD_L2	POD_FS - L2 Galleries and Lobby Air Flow Test (*assume temp doors/windows, if late)	30	02-Dec-19	07-Jan-20	02-Mar-20	06-Apr-20	-69	100%	0%									
ATRIUM	POD_FS - Atrium & Circulation Box Air Flow Test (*assume temp doors/windows, if late)	36	02-Dec-19	14-Jan-20	10-Mar-20	21-Apr-20	-76	100%	0%									
7592	POD_FS - AFA Devices Loop & Function Test (*2 shifts)	24	21-Nov-19	19-Dec-19	17-Mar-20	15-Apr-20	-91	100%	0%									
7594	POD_FS - Smoke Extraction Test	30	08-Feb-20	21-Feb-20	24-Mar-20	28-Apr-20	-56	100%	0%									
7590	POD_FS - Sprinkler & Pre-action System Test (*2 shifts)	24	21-Nov-19	19-Dec-19	24-Mar-20	22-Apr-20	-97	100%	0%									
7596	POD_FS - Integrated Systems Test & Hot Smoke Test (w/ FSD)	12	08-Feb-20	21-Feb-20	04-Jun-20	17-Jun-20	-98	100%	0%									
<b>M+ TOWER</b>																		
<b>Construction</b>																		
<b>Initial Works, Establishment &amp; Miscellaneous</b>																		
14238e	TW - Architectural Lightings Installation (C45/48/52/54A&B&84)	12	03-Feb-20	15-Feb-20	08-Jul-20	21-Jul-20	-130	100%	0%									
<b>Level 4</b>																		
<b>ABWF &amp; MEP Works</b>																		
<b>Raised Floor Area (Offices, Concourse, Lobbies) - TW_L4_Z01</b>																		
3493	TW_L4_Z01_RFArea - MEP 2nd fix	2	12-Jul-19	01-Aug-19	15-Apr-19A	03-Mar-20	-172	100%	99%									
3517	TW_L4_Z01_RFOffices - Glass Partition & Doors/Ironmong	9	18-Oct-19	23-Oct-19	08-Jul-19A	11-Mar-20	-111	100%	70%									
3540	TW_L4_Z01_RFArea - Close ceiling (Open Cell Metal) incl. Cut-Outs (excl. offices)	9	02-Aug-19	13-Aug-19	10-Jul-19A	11-Mar-20	-169	100%	49.54%									
3520	TW_L4_Z01_RFOffices - Wall Painting	5	26-Sep-19	02-Oct-19	09-Sep-19A	06-Mar-20	-124	100%	50%									
3495	TW_L4_Z01_RFArea - MEP final fix (excl. offices)	6	07-Aug-19	20-Aug-19	16-Sep-19A	07-Mar-20	-160	100%	90%									
3515	TW_L4_Z01_RFOffices - MEP 2nd & final fix (offices)	8	12-Sep-19	26-Sep-19	16-Sep-19A	10-Mar-20	-131	100%	90%									
3514	TW_L4_Z01_RFOffices - Close ceiling (Open Cell Metal) incl. Cut-Outs	12	26-Aug-19	10-Sep-1														

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020											
										Qtr 1			Qtr 2			Qtr 3					
										Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
4109	TW_L5_Z02_BoH-All Other Finishes /Make Good & Clean	12	17-Sep-19	30-Sep-19	05-Mar-20	18-Mar-20	-135	100%	0%												
4133	TW_L5_Z02_BoH-Floor sealer	2	21-Sep-19	23-Sep-19	09-Mar-20	10-Mar-20	-134	100%	0%												
<b>Toilets - TW_L5_Z03</b>																					
4120	TW_L5_Z03_Toilet-MEP Final Fix	8	27-Jul-19	02-Aug-19	16-Sep-19A	10-Mar-20	-177	100%	60.16%												
4123	TW_L5_Z03_Toilet-Sanitary ware & fittings	10	03-Oct-19	10-Oct-19	23-Sep-19A	12-Mar-20	-123	100%	20%												
4115	TW_L5_Z03_Toilet-Ceiling Rods/Grids	2	19-Jun-19	22-Jun-19	11-Nov-19A	03-Mar-20	-205	100%	30%												
4121	TW_L5_Z03_Toilet-Wall finishes (tiling)	8	16-Sep-19	02-Oct-19	03-Feb-20A	10-Mar-20	-127	100%	35%												
4117	TW_L5_Z03_Toilet-Door Frame	2	03-Jun-19	04-Jun-19	02-Mar-20	03-Mar-20	-220	100%	0%												
4119	TW_L5_Z03_Toilet-Close ceiling (board) incl. Cut-Outs	2	16-Jul-19	22-Jul-19	04-Mar-20	05-Mar-20	-183	100%	0%												
4131	TW_L5_Z03_Toilet-Ceiling Finishes (painting)	4	23-Jul-19	26-Jul-19	04-Mar-20	07-Mar-20	-181	100%	0%												
4125	TW_L5_Z03_Toilet-All Other Finishes /Make Good & Clean	12	05-Oct-19	19-Oct-19	10-Apr-20	23-Apr-20	-150	100%	0%												
4124	TW_L5_Z03_Toilet-Door/Ironmong	2	11-Oct-19	12-Oct-19	15-Apr-20	16-Apr-20	-150	100%	0%												
<b>Level 6</b>																					
<b>ABWF &amp; MEP Works</b>																					
<b>Raised Floor Area (Offices, Concourse, Lobbies) - TW_L6_Z01</b>																					
3434	TW_L6_Z01_RFArea-MEP Final Fix (excl. offices)	6	18-Jul-19	31-Jul-19	12-Aug-19A	07-Mar-20	-177	100%	90%												
3457	TW_L6_Z01_RFArea-Final floor finishes (timber flooring)	22	05-Sep-19	02-Oct-19	24-Jun-20	21-Jul-20	-237	100%	0%												
3480	TW_L6_Z01_RFArea-Bamboo Capping	6	03-Oct-19	10-Oct-19	10-Oct-19	22-Jul-20	-237	100%	0%												
3458	TW_L6_Z01_RFOffices-Glass Partition & Doors/Ironmong	6	30-Sep-19	10-Oct-19	01-Jul-19A	07-Mar-20	-119	100%	80%												
3461	TW_L6_Z01_RFOffices-Wall Painting	2	10-Sep-19	16-Sep-19	05-Aug-19A	03-Mar-20	-134	100%	85%												
3456	TW_L6_Z01_RFOffices-MEP2nd & final fix (offices)	6	29-Aug-19	11-Sep-19	12-Aug-19A	07-Mar-20	-141	100%	90.02%												
4249	TW_L6_Z01_RFOffices-Fixed Furniture	6	04-Oct-19	11-Oct-19	09-Jul-20	15-Jul-20	-225	100%	0%												
3462	TW_L6_Z01_RFArea-All Other Finishes /Make Good & Clean	12	04-Oct-19	18-Oct-19	22-Jul-20	04-Aug-20	-236	100%	0%												
<b>BoH Plant Rooms, Corridors &amp; Lift Lobbies - TW_L6_Z02</b>																					
3485	TW_L6_Z02_BoH-MEP final fix	6	14-Aug-19	20-Aug-19	12-Aug-19A	07-Mar-20	-160	100%	89.89%												
3470	TW_L6_Z02_BoH-Door Frame & Plastering of Perimeter Edges	2	02-Apr-19	11-Apr-19	02-Sep-19A	03-Mar-20	-265	100%	78.57%												
3463	TW_L6_Z02_BoH-Door/Ironmong/Hose Reel Cabs	5	16-Jul-19	26-Jul-19	07-Oct-19A	06-Mar-20	-180	100%	64.29%												
3464	TW_L6_Z02_BoH-All Other Finishes /Make Good & Clean	9	16-Aug-19	29-Aug-19	01-Feb-20A	13-Mar-20	-157	100%	50%												
3481	TW_L6_Z02_BoH-Floor sealer	2	21-Aug-19	22-Aug-19	09-Mar-20	10-Mar-20	-160	100%	0%												
<b>Toilets - TW_L6_Z03</b>																					
3448	TW_L6_Z03_Toilet-MEP final fix	6	13-Aug-19	19-Aug-19	16-Sep-19A	07-Mar-20	-161	100%	90.23%												
3452	TW_L6_Z03_Toilet-Sanitary ware & fittings	6	02-Nov-19	08-Nov-19	23-Sep-19A	07-Mar-20	-94	100%	40.1%												
3451	TW_L6_Z03_Toilet-Wall finishes (tiling)	3	17-Oct-19	01-Nov-19	14-Oct-19A	04-Mar-20	-97	100%	90%												
3441	TW_L6_Z03_Toilet-All Other Finishes /Make Good & Clean	23	05-Nov-19	18-Nov-19	11-Feb-20A	20-Apr-20	-122	100%	50%												
3440	TW_L6_Z03_Toilet-Door/Ironmong	21	09-Nov-19	11-Nov-19	26-Feb-20A	16-Apr-20	-125	100%	50%												
<b>Level 7</b>																					
<b>ABWF &amp; MEP Works</b>																					
<b>Raised Floor Area (Offices, Concourse, Lobbies) - TW_L7_Z01</b>																					
3373	TW_L7_Z01_RFArea-MEP final fix (excl. offices)	6	18-Jul-19	31-Jul-19	12-Aug-19A	07-Mar-20	-177	100%	90%												
3396	TW_L7_Z01_RFArea-Final floor finishes (timber flooring)	20	05-Sep-19	28-Sep-19	24-Jun-20	18-Jul-20	-237	100%	0%												
3419	TW_L7_Z01_RFArea-Bamboo Capping	6	30-Sep-19	08-Oct-19	08-Oct-19	20-Jul-20	-237	100%	0%												
3397	TW_L7_Z01_RFOffices-Glass Partition & Doors/Ironmong	9	27-Sep-19	08-Oct-19	08-Jul-19A	11-Mar-20	-124	100%	60%												
3395	TW_L7_Z01_RFOffices-MEP2nd & final fix (offices)	6	29-Aug-19	11-Sep-19	12-Aug-19A	07-Mar-20	-141	100%	80.02%												
3400	TW_L7_Z01_RFOffices-Wall Painting	6	13-Sep-19	19-Sep-19	09-Sep-19A	07-Mar-20	-135	100%	70%												
4250	TW_L7_Z01_RFOffices-Fixed Furniture	6	02-Oct-19	09-Oct-19	20-Jul-20	25-Jul-20	-236	100%	0%												
3401	TW_L7_Z01_RFArea-All Other Finishes /Make Good & Clean	12	02-Oct-19	16-Oct-19	20-Jul-20	01-Aug-20	-236	100%	0%												
<b>BoH Plant Rooms, Corridors &amp; Lift Lobbies - TW_L7_Z02</b>																					
3427	TW_L7_Z02_BoH-Close Dry Wall	2	17-May-19	23-May-19	08-Jul-19A	03-Mar-20	-230	100%	95%												
3424	TW_L7_Z02_BoH-MEP final fix	7	10-Sep-19	17-Sep-19	12-Aug-19A	09-Mar-20	-138	100%	90%												
3409	TW_L7_Z02_BoH-Door Frame & Plastering of Perimeter Edges	2	02-Aug-19	10-Aug-19	02-Sep-19A	03-Mar-20	-164	100%	70%												
3407	TW_L7_Z02_BoH-Seal Wall Opening	6	02-Aug-19	08-Aug-19	09-Sep-19A	07-Mar-20	-170	100%	80%												
3422	TW_L7_Z02_BoH-Wall Epoxy/Emulsion Paint	5	23-Aug-19	09-Sep-19	02-Oct-19A	06-Mar-20	-142	100%	50%												
3402	TW_L7_Z02_BoH-Door/Ironmong/Hose Reel Cabs	5	23-Aug-19	03-Sep-19	21-Oct-19A	06-Mar-20	-147	100%	70%												
3403	TW_L7_Z02_BoH-All Other Finishes /Make Good & Clean	9	12-Sep-19	26-Sep-19	09-Mar-20	18-Mar-20	-138	100%	0%												
3420	TW_L7_Z02_BoH-Floor sealer	2	18-Sep-19	19-Sep-19	10-Mar-20	11-Mar-20	-138	100%	0%												
<b>Toilets - TW_L7_Z03</b>																					
3415	TW_L7_Z03_Toilet-Dry Wall Closing Board	2	24-May-19	28-May-19	15-Jul-19A	03-Mar-20	-226	100%	95%												
3387	TW_L7_Z03_Toilet-MEP final fix	9	06-Aug-19	12-Aug-19	16-Sep-19A	11-Mar-20	-170	100%	60.16%												
3391	TW_L7_Z03_Toilet-Sanitary ware & fittings	10	07-Nov-19	13-Nov-19	23-Sep-19A	13-Mar-20	-95	100%	20%												
3378	TW_L7_Z03_Toilet-Dry Wall Frame & Board - DR63 (external)	3	15-Jun-19	28-Jun-19	01-Oct-19A	04-Mar-20	-201	100%	90%												
3381	TW_L7_Z03_Toilet-Ceiling Rods/Grids	4	28-Jun-19	03-Jul-19	18-Nov-19A	05-Mar-20	-199	100%	30%												
3390	TW_L7_Z03_Toilet-Wall finishes (tiling)	5	22-Oct-19	06-Nov-19	04-Jan-20A	06-Mar-20	-95	100%	70%												
3386	TW_L7_Z03_Toilet-Door Frame	2	13-Jun-19	14-Jun-19	02-Mar-20	03-Mar-20	-212	100%	0%												
3416	TW_L7_Z03_Toilet-Ceiling Finishes (painting)	4	01-Aug-19	05-Aug-19	05-Mar-20	09-Mar-20	-174	100%	0%												
3382	TW_L7_Z03_Toilet-Close ceiling (board) incl. Cut-Outs	3	25-Jul-19	31-Jul-19	06-Mar-20	09-Mar-20	-178	100%	0%												
3380	TW_L7_Z03_Toilet-All Other Finishes /Make Good & Clean	12	09-Nov-19	22-Nov-19	09-Apr-20	22-Apr-20	-120	100%	0%												
3379	TW_L7_Z03_Toilet-Door/Ironmong	2	14-Nov-19	15-Nov-19	14-Apr-20	15-Apr-20	-120	100%	0%												
<b>Level 8</b>																					
<b>ABWF &amp; MEP Works</b>																					
<b>Raised Floor Area (Offices, Concourse, Lobbies) - TW_L8_Z01</b>																					
6450	TW_L8_Z01_RFArea-MEP final fix (excl. offices)	6	26-Jul-19	08-Aug-19	14-Oct-19A	07-Mar-20	-170	100%	90%												
3365	TW_L8_Z01_RFArea-Close ceiling (Open Cell Metal) w/ In-situ Cut-Out (excl. offices)	9	16-Jul-19	01-Aug-19	18-Dec-19A	11-Mar-20	-179	100%	30%												
3335	TW_L8_Z01_RFArea-Final floor finishes (timber flooring)	22	13-Sep-19	11-Oct-19	24-Jun-20	21-Jul-20	-230	100%	0%												
3358	TW_L8_Z01_RFArea-Bamboo Capping	6	12-Oct-19	18-Oct-19	22-Jul-20	28-Jul-20	-230	100%	0%												
3336	TW_L8_Z01_RFOffices-Glass Partition & Doors/Ironmong	6	10-Oct-19	18-Oct-19	01-Jul-19A	07-Mar-20	-112	100%	80%												
3339	TW_L8_Z01_RFOffices-Wall Painting	15	06-Sep-19	11-Sep-19	02-Oct-19A	18-Mar-20	-150	100%	70%												
3334	TW_L8_Z01_RFOffices-MEP2nd & final fix (offices)	6	06-Sep-19	20-Sep-19	14-Oct-19A	07-Mar-20	-134	100%	70.02%												
3333	TW_L8_Z01_RFOffices-Close ceiling (Open Cell Metal) incl. Cut-Outs	12	13-Aug-19	23-Aug-19	16-Dec-19A	14-Mar-20	-163	100%	50%												
6461	TW_L8_Z01_RFOffices-Movable Partition	6	09-Oct-19	15-Oct-19	18-Jul-20	24-Jul-20	-230	100%	0%												
4251	TW_L8_Z01_RFOffices-Fixed Furniture	6	14-Oct-19	19-Oct-19	24-Jul-20	30-Jul-20</															

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020							
										Qtr 1		Qtr 2			Qtr 3		Sep
										Feb	Mar	Apr	May	Jun	Jul	Aug	
<b>Level 10</b>																	
<b>ABWF &amp; MEP Works</b>																	
<b>Raised Floor Area (Offices, Concourse, Lobbies) - TW_L10_Z01</b>																	
3191	TW_L10_Z01_RFArea - MEP final fix (excl. offices)	5	12-Aug-19	24-Aug-19	21-Oct-19A	06-Mar-20	-155	100%	90.06%								
3243	TW_L10_Z01_RFArea - Close ceiling (Open Cell Metal) w/ In-situ Cut-Out (excl. offices)	8	09-Aug-19	17-Aug-19	07-Mar-20	16-Mar-20	-169	100%	0%								
3214	TW_L10_Z01_RFArea - Final floor finishes (timber flooring)	22	24-Sep-19	21-Oct-19	29-Jun-20	24-Jul-20	-225	100%	0%								
3237	TW_L10_Z01_RFArea - Bamboo Capping	6	22-Oct-19	28-Oct-19	25-Jul-20	31-Jul-20	-225	100%	0%								
3215	TW_L10_Z01_RFOffices - Glass Partition & Doors/Ironmong	8	19-Oct-19	28-Oct-19	01-Aug-19A	10-Mar-20	-106	100%	50%								
3217	TW_L10_Z01_RFOffices - Close Dry Wall	2	24-Sep-19	02-Oct-19	15-Aug-19A	03-Mar-20	-121	100%	92%								
3218	TW_L10_Z01_RFOffices - Wall Painting	5	03-Oct-19	09-Oct-19	18-Sep-19A	06-Mar-20	-119	100%	50%								
3213	TW_L10_Z01_RFOffices - MEP2nd & final fix (offices)	5	17-Sep-19	30-Sep-19	21-Oct-19A	06-Mar-20	-125	100%	70.02%								
3212	TW_L10_Z01_RFOffices - Close ceiling (Open Cell Metal) incl. Cut-Outs	11	29-Aug-19	18-Sep-19	02-Mar-20	13-Mar-20	-141	100%	0%								
4253	TW_L10_Z01_RFOffices - Fixed Furniture	6	23-Oct-19	29-Oct-19	03-Aug-20	08-Aug-20	-231	100%	0%								
3219	TW_L10_Z01_RFArea - All Other Finishes / Make Good & Clean	12	23-Oct-19	05-Nov-19	03-Aug-20	15-Aug-20	-231	100%	0%								
<b>BoH Plant Rooms, Corridors &amp; Lift Lobbies - TW_L10_Z02</b>																	
3227	TW_L10_Z02_BoH - Door Frame & Plastering of Perimeter Edges	4	18-Apr-19	26-Apr-19	09-Sep-19A	05-Mar-20	-254	100%	60%								
3225	TW_L10_Z02_BoH - Seal Wall Opening	2	18-Apr-19	24-Apr-19	10-Sep-19A	03-Mar-20	-254	100%	85%								
3242	TW_L10_Z02_BoH - MEP final fix	3	30-Aug-19	05-Sep-19	23-Sep-19A	04-Mar-20	-143	100%	80%								
3240	TW_L10_Z02_BoH - Wall Epoxy/Emulsion Paint	7	30-Aug-19	17-Sep-19	02-Oct-19A	09-Mar-20	-138	100%	30%								
3220	TW_L10_Z02_BoH - Door / Ironmong / Hose Reel Cabs	7	30-Aug-19	10-Sep-19	10-Feb-20A	09-Mar-20	-143	100%	60%								
3221	TW_L10_Z02_BoH - All Other Finishes / Make Good & Clean	12	11-Sep-19	25-Sep-19	04-Mar-20	17-Mar-20	-138	100%	0%								
3238	TW_L10_Z02_BoH - Floor sealer	2	17-Sep-19	18-Sep-19	09-Mar-20	10-Mar-20	-138	100%	0%								
<b>Toilets - TW_L10_Z03</b>																	
3233	TW_L10_Z03_Toilet - Dry Wall Closing Board	1	05-Jul-19	09-Jul-19	22-Jul-19A	02-Mar-20	-191	100%	95%								
3205	TW_L10_Z03_Toilet - MEP final fix	9	16-Sep-19	21-Sep-19	21-Oct-19A	11-Mar-20	-136	100%	60.16%								
3209	TW_L10_Z03_Toilet - Sanitary ware & fittings	20	22-Nov-19	28-Nov-19	21-Oct-19A	25-Mar-20	-92	100%	20%								
3204	TW_L10_Z03_Toilet - Door Frame	2	24-Jul-19	25-Jul-19	11-Nov-19A	03-Mar-20	-178	100%	70%								
3196	TW_L10_Z03_Toilet - Dry Wall Frame & Board - DR63 (external)	2	26-Jul-19	08-Aug-19	03-Feb-20A	03-Mar-20	-166	100%	60%								
3197	TW_L10_Z03_Toilet - Door / Ironmong	21	29-Nov-19	30-Nov-19	10-Feb-20A	16-Apr-20	-108	100%	30%								
3200	TW_L10_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	6	03-Sep-19	09-Sep-19	02-Mar-20	07-Mar-20	-143	100%	0%								
3208	TW_L10_Z03_Toilet - Wall finishes (tiling)	14	06-Nov-19	21-Nov-19	03-Mar-20	18-Mar-20	-92	100%	0%								
3234	TW_L10_Z03_Toilet - Ceiling Finishes (painting)	4	10-Sep-19	13-Sep-19	06-Mar-20	10-Mar-20	-141	100%	0%								
3198	TW_L10_Z03_Toilet - All Other Finishes / Make Good & Clean	12	25-Nov-19	07-Dec-19	10-Apr-20	23-Apr-20	-108	100%	0%								
<b>Level 11</b>																	
<b>ABWF &amp; MEP Works</b>																	
<b>Raised Floor Area (Offices, Concourse, Lobbies) - TW_L11_Z01</b>																	
4505	TW_L11_Z01_RFArea - MEP 1st fix	3	26-Feb-19	23-Apr-19	16-Apr-19A	04-Mar-20	-256	100%	95%								
4506	TW_L11_Z01_RFArea - MEP 2nd fix	8	02-Jul-19	22-Jul-19	15-Jul-19A	10-Mar-20	-187	100%	95.01%								
3183	TW_L11_Z01_RFArea - MEP 1st fix (Lighting Conduits)	2	08-Nov-18	14-Nov-18	23-Sep-19A	03-Mar-20	-383	100%	94.44%								
4508	TW_L11_Z01_RFArea - MEP final fix (except offices)	10	23-Jul-19	05-Aug-19	04-Nov-19A	13-Mar-20	-178	100%	40.03%								
4507	TW_L11_Z01_RFArea - Extend Droppers & Install Ceiling Grids (except offices)	6	24-Apr-19	06-May-19	03-Feb-20A	07-Mar-20	-249	100%	60%								
3184	TW_L11_Z01_RFArea - Close ceiling (slat ceiling) (excl. offices)	18	23-Jul-19	29-Jul-19	24-Jun-20	16-Jul-20	-287	100%	0%								
3154	TW_L11_Z01_RFArea - Final floor finishes (timber flooring)	17	11-Sep-19	02-Oct-19	14-Jul-20	01-Aug-20	-247	100%	0%								
3177	TW_L11_Z01_RFArea - Bamboo Capping	6	03-Oct-19	10-Oct-19	03-Aug-20	08-Aug-20	-247	100%	0%								
3501	TW_L11_Z01_RFArea - Bamboo Planks Finish on Wall & Ceiling	4	03-Oct-19	09-Oct-19	03-Aug-20	07-Aug-20	-247	100%	0%								
3158	TW_L11_Z01_RFOffices - Wall Painting	22	16-Sep-19	20-Sep-19	18-Sep-19A	26-Mar-20	-150	100%	70%								
3153	TW_L11_Z01_RFOffices - MEP 2nd fix & final fix (offices)	10	04-Sep-19	18-Sep-19	04-Nov-19A	12-Mar-20	-140	100%	40.01%								
3152	TW_L11_Z01_RFOffices - Close ceiling (slat ceiling)	15	14-Aug-19	30-Aug-19	24-Jun-20	13-Jul-20	-256	100%	0%								
4254	TW_L11_Z01_RFOffices - Fixed Furniture	6	09-Oct-19	15-Oct-19	07-Aug-20	13-Aug-20	-247	100%	0%								
3159	TW_L11_Z01_RFArea - All Other Finishes / Make Good & Clean	12	09-Oct-19	22-Oct-19	07-Aug-20	20-Aug-20	-247	100%	0%								
<b>BoH Plant Rooms, Corridors &amp; Lift Lobbies - TW_L11_Z02</b>																	
3164	TW_L11_Z02_BoH - MEP 1st fix	2	11-Mar-19	15-Apr-19	01-Apr-19A	05-Mar-20	-264	100%	96.72%								
3166	TW_L11_Z02_BoH - MEP 2nd fix	5	09-Aug-19	29-Aug-19	22-Jul-19A	07-Mar-20	-152	100%	95.01%								
3163	TW_L11_Z02_BoH - Wall & Ceiling Sealer	3	04-Mar-19	08-Mar-19	05-Aug-19A	04-Mar-20	-294	100%	5%								
3165	TW_L11_Z02_BoH - Seal Wall Opening	0	16-Apr-19	22-Apr-19	10-Sep-19A	04-Mar-20	-256	100%	70%								
3180	TW_L11_Z02_BoH - Wall Epoxy/Emulsion Paint	10	30-Aug-19	17-Sep-19	18-Sep-19A	12-Mar-20	-141	100%	30%								
3162	TW_L11_Z02_BoH - Misc Metal Works / Access Panels	9	30-Aug-19	05-Sep-19	07-Oct-19A	11-Mar-20	-149	100%	90%								
3182	TW_L11_Z02_BoH - MEP final fix	9	30-Aug-19	05-Sep-19	04-Nov-19A	11-Mar-20	-149	100%	39.95%								
3160	TW_L11_Z02_BoH - Door / Ironmong / Hose Reel Cabs	10	30-Aug-19	10-Sep-19	13-Feb-20A	12-Mar-20	-146	100%	80%								
3161	TW_L11_Z02_BoH - All Other Finishes / Make Good & Clean	20	11-Sep-19	25-Sep-19	18-Feb-20A	24-Mar-20	-144	100%	50%								
3178	TW_L11_Z02_BoH - Floor sealer	2	17-Sep-19	18-Sep-19	12-Mar-20	13-Mar-20	-141	100%	0%								
<b>Toilets - TW_L11_Z03</b>																	
3175	TW_L11_Z03_Toilet - MEP 1st fix Ceiling	3	19-Jun-19	17-Jul-19	02-May-19A	04-Mar-20	-186	100%	89.87%								
4520	TW_L11_Z03_Toilet - MEP 2nd fix	5	07-Aug-19	27-Aug-19	11-Nov-19A	07-Mar-20	-154	100%	70.01%								
4522	TW_L11_Z03_Toilet - MEP final fix	9	09-Sep-19	16-Sep-19	16-Dec-19A	14-Mar-20	-144	100%	20%								
3149	TW_L11_Z03_Toilet - Sanitary ware & fittings	24	16-Nov-19	26-Nov-19	20-Dec-19A	28-Mar-20	-97	100%	20%								
3171	TW_L11_Z03_Toilet - Dry Wall Frame & One Side Board	3	11-Jun-19	13-Jun-19	06-Jan-20A	04-Mar-20	-214	100%	70%								
4516	TW_L11_Z03_Toilet - Ceiling Rods / Grids	5	02-Aug-19	06-Aug-19	05-Feb-20A	06-Mar-20	-171	100%	50%								
3173	TW_L11_Z03_Toilet - Dry Wall Closing Board	2	28-Jun-19	29-Jun-19	10-Feb-20A	03-Mar-20	-199	100%	50%								
4513	TW_L11_Z03_Toilet - Dry Wall Frame & Board (external)	12	20-Jul-19	02-Aug-19	18-Feb-20A	24-Mar-20	-189	100%	50%								
4517	TW_L11_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	6	28-Aug-19	03-Sep-19	04-Mar-20	10-Mar-20	-150	100%	0%								
4521	TW_L11_Z03_Toilet - Door Frame	2	18-Jul-19	19-Jul-19	05-Mar-20	06-Mar-20	-186	100%	0%								
4513a	TW_L11_Z03_Toilet - Wall Plastering (internal)	12			07-Mar-20	20-Mar-20		0%	0%								
3174	TW_L11_Z03_Toilet - Ceiling Finishes (painting)	4	04-Sep-19	07-Sep-19	09-Mar-20	12-Mar-20	-148	100%	0%								
3148	TW_L11_Z03_Toilet - Wall finishes (bamboo planks)	14	31-Oct-19	15-Nov-19	24-Jun-20	11-Jul-20	-192	100%	0%								
3502	TW_L11_Z03_Toilet - Cubicle Partition (with bamboo veneer)	6	30-Apr-19	07-May-19	24-Jun-20	02-Jul-20	-344	100%	0%								
4515	TW_L11_Z03_Toilet - All Other Finishes / Make Good & Clean	12	23-Nov-19	06-Dec-19	09-Jul-20	22-Jul-20	-183	100%	0%								
4514	TW_L11_Z03_Toilet - Door / Ironmong	3	27-Nov-19	29-Nov-19	13-Jul-20	15-Jul-20	-183	100%	0%								
<b>Level 12</b>																	
<b>ABWF &amp; MEP Works</b>																	
<b>FoH Areas (Offices, Concourse &amp; Lobbies) - TW_L12_Z01</b>																	
3543	TW_L12_Z01_FoH - MEP 2nd fix	6	24-Apr-19	15-May-19	15-Jul-19A	07-Mar-20	-241	100%	90.01%								
3544	TW_L12_Z01_FoH - MEP final fix	12	05-Jul-19	18-Jul-19	16-Dec-19A	14-Mar-20	-194	100%	20%								
3549	TW_L12_Z01_FoH - Wall finishes (painting or sealer)	3	19-Jun-19	24-Jun-19	20-Feb-20A	11-Mar-20	-211	100%	50%								
3550	TW_L12_Z01_FoH - All Other Finishes / Make Good & Clean	12	18-Jul-19	31-Jul-19	09-Mar-20	21-Mar-20	-189	100%	0%								
<b>BoH Plant Rooms, Corridors &amp; Lift Lobbies - TW_L12_Z02</b>																	
3558	TW_L12_Z02_BoH - MEP 2nd fix	3	31-Jul-19	20-Aug-19	22-Jul-19A	04-Mar-20	-157	100%	90.01%								
3555	TW_L12_Z02_BoH - Wall & Ceiling Sealer	3	04-Mar-19	08-Mar-19	05-Aug-19A	04-Mar-20	-294	100%	50%								
3554	TW_L12_Z02_BoH - Misc Metal Works / Access Panels	9	21-Aug-19	27-Aug-19	14-Oct-19A	11-Mar-20	-157	100%	71%								
3566	TW_L12_Z02_BoH - Wall Epoxy/Emulsion Paint	6	21-Aug-19	29-Aug-19	09-Dec-19A	07-Mar-20	-152	100%	40%								
3568	TW_L12_Z02_BoH - MEP final fix	9	30-Aug-19	05-Sep-19	16-Dec-19A	11-Mar-20	-149	100%	39.95%								
3552	TW_L12_Z02_BoH - Door / Ironmong / Hose Reel Cabs	9	21-Aug-19	31-Aug-19	10-Feb-20A	11-Mar-20	-153	100%	50%								
3553	TW_L12_Z02_BoH - All Other Finishes / Make Good & Clean	15	02-Sep-19	16-Sep-19	14-Feb-20A	18-Mar-20	-147	100%	50%								
3564	TW_L12_Z02_BoH - Floor sealer	2	06-Sep-19	07-Sep-19	12-Mar-20	13-Mar-20	-149	100%	0%								
<b>Toilets - TW_L12_Z03</b>																	
3651	TW_L12_Z03_Toilet - MEP 1st fix Ceiling	3	27-May-19	03-Jun-19	02-May-19A	05-Mar-20	-223	100%	79.93%								
3647	TW_L12_Z03_Toilet - Dry Wall Frame & One Side Board	3	23-Apr-19	30-Apr-19	01-Oct-19A	04-Mar-20	-250	100%	90%								
3637	TW_L12_Z03_Toilet - MEP 1st fix Dry Wall	3	02-May-19	15-May-19	04-Nov-19A	06-Mar-20	-240	100%	90.05%								
3639	TW_L12_Z03_Toilet - MEP 2nd fix	7	25-Jun-19	16-Jul-19	11-Nov-19A	09-Mar-20	-191	100%	40%								
3649	TW_L12_Z03_Toilet - Dry Wall Closing Board	9	16-May-19	21-May-19	02-Dec-19A	11-Mar-20	-239	100%	50%								
3641	TW_L12_Z03_Toilet - MEP final fix	9	29-Jul-19	03-Aug-19	16-Dec-19A	13-Mar-20	-179	100%	20%								
3645	TW_L12_Z03_Toilet - Sanitary ware & fittings	22	27-Nov-19	03-Dec-1													



ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020										
										Qtr 1		Qtr 2			Qtr 3		Sep			
										Feb	Mar	Apr	May	Jun	Jul	Aug				
<b>Vertical Transportation</b>																				
<b>Lifts</b>																				
6533	TW_LT03/04 Central - Staff Lifts (B2F - 13F) - Lift Pit/Shaft/Machine Rm MEP 1st,2nd,F	14	19-Jun-19	28-Aug-19	26-Dec-19A	17-Mar-20	-161	100%	40%											
6535	TW_LT05/06 Central - Public Lifts (B2F - 16F) - Lift Pit/Shaft/Machine Rm MEP 1st,2nd	6	18-Jun-19	27-Aug-19	23-Jul-19A	07-Mar-20	-154	100%	92%											
6537	TW_LT09_FS/10 East - Service Lifts (GF - 16F) - Lift Pit/Shaft/Machine Rm MEP 1st,2n	10	18-Jun-19	28-Aug-19	16-Aug-19A	12-Mar-20	-158	100%	86%											
6437	TW_Lifts -All Other Finishes /Make Good & Clean	24	29-Aug-19	26-Sep-19	09-Mar-20	06-Apr-20	-153	100%	0%											
<b>Staircases</b>																				
<b>ST-02a Central</b>																				
4195	TW_ST02a Central - MEP 1st fix, 2nd fix	6	14-Feb-19	27-Mar-19	06-May-19A	07-Mar-20	-281	100%	95%											
4193	TW_ST02a Central - Ceiling Dust Sealer	26	24-Jan-19	01-Mar-19	02-Mar-20*	31-Mar-20	-323	100%	0%											
4196	TW_ST02a Central - Wall Dust Sealer	26	12-Mar-19	11-Apr-19	02-Mar-20	31-Mar-20	-289	100%	0%											
4198	TW_ST02a Central - Floor Bamboo Plank 4F to 11/F	16	11-Jul-19	29-Jul-19	24-Jun-20	14-Jul-20	-285	100%	0%											
6438	TW_ST02a Central -All Other Finishes (DOOR) / Make Good & Clean	12	23-Jul-19	05-Aug-19	08-Jul-20	21-Jul-20	-285	100%	0%											
<b>ST-02 Central</b>																				
4186	TW_ST02 Central - MEP 1st fix, 2nd fix	7	14-Feb-19	27-Mar-19	06-May-19A	09-Mar-20	-282	100%	95%											
4184	TW_ST02 Central - Ceiling Dust Sealer	26	24-Jan-19	01-Mar-19	02-Mar-20*	31-Mar-20	-323	100%	0%											
4188	TW_ST02 Central - Wall Dust Sealer	26	12-Mar-19	11-Apr-19	02-Mar-20	31-Mar-20	-295	100%	0%											
4191	TW_ST02 Central - Floor Dust Sealer	13	22-Apr-19	07-May-19	16-Mar-20	30-Mar-20	-267	100%	0%											
6440	TW_ST02 Central -All Other Finishes (DOOR) / Make Good & Clean	12	08-May-19	21-May-19	01-Apr-20	15-Apr-20	-268	100%	0%											
<b>ST-03 East Core</b>																				
4180	TW_ST03_East - MEP 1st fix, 2nd fix	7	01-Aug-19	12-Sep-19	02-May-19A	09-Mar-20	-142	100%	95%											
6441	TW_ST03_East -All Other Finishes (DOOR) / Make Good & Clean	36	30-Sep-19	16-Oct-19	16-Sep-19A	13-Apr-20	-145	100%	25.01%											
4182	TW_ST03_East -Permanent Hand Rail	6	19-Sep-19	05-Oct-19	23-Sep-19A	07-Mar-20	-123	100%	95%											
9872	TW_ST03_East - Metal Balustrade	12	27-Jul-19	24-Aug-19	14-Oct-19A	14-Mar-20	-163	100%	95%											
4179	TW_ST03_East - Floor W/proof Screed	26	25-Jul-19	24-Aug-19	25-Nov-19A	31-Mar-20	-177	100%	95.01%											
4183	TW_ST03_East - Stair Nosing Tile	13	21-Sep-19	09-Oct-19	02-Mar-20	16-Mar-20	-128	100%	0%											
4178	TW_ST03_East - Ceiling & Beam Dust Sealer	21	18-Jul-19	17-Aug-19	09-Mar-20*	01-Apr-20	-184	100%	0%											
4181	TW_ST03_East - Wall Dust Sealer	21	27-Aug-19	27-Sep-19	09-Mar-20	01-Apr-20	-150	100%	0%											
<b>ST-01 West Core</b>																				
4170	TW_ST01_East - MEP 1st fix, 2nd fix	7	01-Aug-19	12-Sep-19	06-May-19A	09-Mar-20	-142	100%	95%											
6442	TW_ST01_East -All Other Finishes (DOOR) / Make Good & Clean	33	30-Sep-19	16-Oct-19	16-Sep-19A	09-Apr-20	-142	100%	79.98%											
3982	TW_ST01_East - Floor W/proof Screed	21	25-Jul-19	24-Aug-19	24-Feb-20A	25-Mar-20	-172	100%	20%											
4168	TW_ST01_East - Ceiling & Beam Dust Sealer	21	18-Jul-19	17-Aug-19	02-Mar-20*	25-Mar-20	-178	100%	0%											
4171	TW_ST01_East - Wall Dust Sealer	26	27-Aug-19	27-Sep-19	02-Mar-20	31-Mar-20	-149	100%	0%											
4173	TW_ST01_East - Stair Nosing Tile	13	21-Sep-19	09-Oct-19	02-Mar-20	16-Mar-20	-128	100%	0%											
<b>Testing &amp; Commissioning</b>																				
<b>HVAC</b>																				
7603	TW_MEP_Wild_Air - Pipes Flushing w/Water Sample Test	18	03-Sep-19	20-Sep-19	26-Oct-19A	24-Mar-20	-148	100%	95.02%											
7599	TW_MEP_Wild_Air - Hydraulic Test (CWS/CWR)	14	06-Aug-19	02-Sep-19	23-Dec-19A	19-Mar-20	-159	100%	95.02%											
7607	TW_MEP_Wild_Air - AHU SAT & LMCP SAT	12	21-Sep-19	23-Oct-19	30-Jan-20A	20-Mar-20	-119	100%	35%											
7608	TW_MEP_Wild_Air - Start Up AHU @ Each Level	12	14-Oct-19	26-Oct-19	17-Feb-20A	24-Mar-20	-119	100%	35.01%											
7609	TW_MEP_Wild_Air - Air Flow Test	12	28-Oct-19	23-Nov-19	25-Mar-20	08-Apr-20	-107	100%	0%											
7637	TW_FS - Air Flow & Smoke Extraction Test (Pls Refer to 7609)	12	25-Oct-19	21-Nov-19	25-Mar-20	08-Apr-20	-109	100%	0%											
7610	TW_MEP_Wild_Air - Air System Balancing	12	25-Nov-19	07-Dec-19	09-Apr-20	22-Apr-20	-107	100%	0%											
7615	TW_MEP_Wild_Air - AHU Performance Test	36	09-Dec-19	18-Mar-20	23-Apr-20	04-Jun-20	-65	80.77%	0%											
<b>Electrical &amp; Controls</b>																				
9467	TW_POW - Test non-FSD Lifts w/ Permanent Power (8 nos)	12	19-Sep-19	18-Oct-19	01-Oct-19A	19-Mar-20	-122	100%	75%											
7628	TW_POW - Power & Distribution Insulation/Polarity Checks	21	25-Sep-19	24-Oct-19	09-Nov-19A	25-Mar-20	-122	100%	55.01%											
7629	TW_POW - Power & Distribution Functional Components Test	24	11-Oct-19	07-Nov-19	19-Nov-19A	01-Apr-20	-116	100%	35.01%											
7624	TW_POW - Lighting & Control T&C	24	25-Oct-19	21-Nov-19	18-Feb-20A	09-Apr-20	-110	100%	5%											
7625	TW_POW - IT Systems Test	24	25-Oct-19	21-Nov-19	12-Mar-20	09-Apr-20	-110	100%	0%											
7626	TW_POW - AV Systems Test	12	08-Nov-19	21-Nov-19	26-Mar-20	09-Apr-20	-110	100%	0%											
<b>Plumbing &amp; Drainage</b>																				
7612	TW_P&D - Hydraulic Tests P&D	14	12-Sep-19	28-Oct-19	15-Jul-19A	18-Mar-20	-114	100%	75%											
9463	TW_P&D - Equipment Test & Pumps Rotation Checks	22	28-Oct-19	25-Nov-19	03-Mar-20	27-Mar-20	-98	100%	0%											
<b>Fire Services</b>																				
7613	TW_FS - FS Hydraulic Test Pipe Works	18	12-Sep-19	28-Oct-19	15-Jul-19A	21-Mar-20	-117	100%	85%											
7632	TW_FS - FS Power & Controls Insulation/Continuity/Polarity Checks	21	25-Sep-19	24-Oct-19	04-Nov-19A	25-Mar-20	-122	100%	35%											
7634	TW_FS - Sprinkler System Test	24	28-Oct-19	25-Nov-19	16-Dec-19A	09-Apr-20	-108	100%	10%											
7635	TW_FS - AFA Devices Loop & Functional Test	30	25-Oct-19	21-Nov-19	16-Dec-19A	09-Apr-20	-110	100%	10%											
<b>CSF BUILDING</b>																				
<b>Construction</b>																				
<b>Level GF</b>																				
<b>ABWF &amp; MEP Works</b>																				
<b>FoH Areas (Storages, Offices, Lift Lobby etc) - CSF_GF_Z01</b>																				
5738	CSF_GF_Z01_FoH - Gypsum Block wall MEP Services/Conduits (MEP 1st fix)	2	17-May-19	30-May-19	22-Apr-19A	03-Mar-20	-224	100%	98.01%											
5733	CSF_GF_Z01_FoH - MEP 2nd fix	2	20-Jul-19	09-Aug-19	22-Apr-19A	03-Mar-20	-165	100%	99.04%											
5736	CSF_GF_Z01_FoH - MEP 2nd fix Gypsum Block wall	4	24-May-19	14-Jun-19	22-Jul-19A	05-Mar-20	-214	100%	98%											
5734	CSF_GF_Z01_FoH - MEP final fix	6	28-Aug-19	10-Sep-19	23-Sep-19A	07-Mar-20	-142	100%	94.06%											
5740	CSF_GF_Z01_FoH - Ceiling & wall finishes (painting)	6	10-Aug-19	03-Sep-19	28-Oct-19A	07-Mar-20	-148	100%	95.06%											
6112	CSF_GF_Z01_FoH - Exh. Layout Rm, Vis. Storage & Lift Lob Close ceiling (board) incl.	8	03-Aug-19	19-Aug-19	09-Dec-19A	10-Mar-20	-163	100%	70.02%											
5741	CSF_GF_Z01_FoH - All Other Finishes / Make Good & Clean	12	12-Feb-20	25-Feb-20	12-Feb-20A	02-Jun-20	-82	100%	50.01%											
5743	CSF_GF_Z01_FoH - Floor Sealer	2	04-Sep-19	06-Sep-19	09-Mar-20	10-Mar-20	-147	100%	0%											
6107	CSF_GF_Z01_FoH - Exh. Layout Rm & Vis. Storage Roller Blind System Insfrn	9	20-Aug-19	29-Aug-19	11-Mar-20*	20-Mar-20	-163	100%	0%											
6108	CSF_GF_Z01_FoH - Exh. Layout Rm Timber flooring	11	22-Jan-20	11-Feb-20	14-May-20	26-May-20	-88	100%	0%											
5737a	CSF_GF_Z01_FoH - 1no O'SSR3 Doors & Iron. (Permanent)	3			01-Jun-20	03-Jun-20		0%	0%											
111136	CSF_GF_Z01_FoH - Museum Storage System (Fixed Screen & Dwg Cabinets) Installa	30			04-Jul-20	07-Aug-20		0%	0%											
<b>Corridors with Suspended Ceilings - CSF_GF_Z02</b>																				
5748	CSF_GF_Z02_Corr - MEP final fix	2	03-Aug-19	09-Aug-19	19-Aug-19A	03-Mar-20	-165	100%	98.02%											
5757	CSF_GF_Z02_Corr - All Other Finishes (DOOR) / Make Good & Clean	10	07-Aug-19	13-Aug-19	22-Nov-19A	14-Mar-20	-172	100%	90.02%											
5756	CSF_GF_Z02_Corr - Floor Sealer	3	03-Aug-19	06-Aug-19	09-Mar-20*	11-Mar-20	-175	100%	0%											
<b>BOH (GL B'B'+; 5'-6' &amp; GL F, 4'+-5'+) - CSF_GF_Z03</b>																				
5767	CSF_GF_Z03_BoH - All Other Finishes (DOOR) / Make Good & Clean	10	01-Aug-19	07-Aug-19	23-Nov-19A	12-Mar-20	-175	100%	80.02%											
5766	CSF_GF_Z03_BoH - Floor Sealer	2	24-Jul-19	24-Jul-19	09-Mar-20*	10-Mar-20	-185	100%	0%											
<b>AHU Room - CSF_GF_Z04</b>																				
5781	CSF_GF_Z04_AHU - All Other Finishes (																			





ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020								
										Qtr 1		Qtr 2			Qtr 3			
										Feb	Mar	Apr	May	Jun	Jul	Aug	sep	
3950	CSF_LAN - Soft Landscaping with drip feed system	21	14-Mar-20	08-Apr-20	16-May-20	09-Jun-20	-52	0%	0%									
<b>Vertical Transportation</b>																		
<b>Lifts</b>																		
5488	CSF_LT53 - Service lift (B2 - L7) - Lift Pit/Shaft/Machine Room MEP 1st/2nd final fix	12	17-Sep-19	27-Nov-19	13-Nov-19A	14-Mar-20	-84	100%	60%									
<b>Staircases</b>																		
<b>Staircase ST-51</b>																		
6169	CSF_ST51_GL_4F - Wall Dust Sealer	18	29-Apr-19	23-May-19	02-May-19A	21-Mar-20	-246	100%	80%									
6172	CSF_ST51_GL_4F - All Other Finishes (DOOR) / Make Good & Clean	16	27-May-19	10-Jun-19	22-Jul-19A	19-Mar-20	-230	100%	79.98%									
<b>Staircase ST-52</b>																		
6178	CSF_ST52_GL_B6 - Ceiling Dust Sealer	16	29-Mar-19	23-Apr-19	22-Jul-19A	19-Mar-20	-269	100%	50%									
6181	CSF_ST52_GL_B6 - Wall Dust Sealer	18	11-May-19	04-Jun-19	23-Sep-19A	23-Mar-20	-237	100%	50.01%									
6184	CSF_ST52_GL_B6 - All Other Finishes (DOOR) / Make Good & Clean	22	08-Jun-19	21-Jun-19	25-Nov-19A	30-Mar-20	-229	100%	69.98%									
<b>Testing &amp; Commissioning</b>																		
<b>Wild Air Stage 2 - T&amp;C (Balance) - DCS &amp; Air Cooled Chillers</b>																		
6324	CSF_MEP - FLOORS GF & 6F to 8F - SAT	4	09-Oct-19	07-Nov-19	08-Nov-19A	05-Mar-20	-93	100%	85.04%									
6325	CSF_MEP - FLOORS GF & 6F to 8F - Start Up	6	08-Nov-19	14-Nov-19	25-Nov-19A	07-Mar-20	-89	100%	85.04%									
6327	CSF_MEP - FLOORS GF & 6F to 8F - AHU Performance Test	10	25-Nov-19	30-Nov-19	23-Dec-19A	12-Mar-20	-79	100%	50.06%									
6326	CSF_MEP - FLOORS GF & 6F to 8F - Air Flow Test	8	15-Nov-19	23-Nov-19	26-Dec-19A	10-Mar-20	-83	100%	50.01%									
<b>Electrical &amp; Controls</b>																		
7688	CSF_POW - Lighting & Control T&C	4	19-Nov-19	02-Dec-19	29-Jul-19A	06-Mar-20	-73	100%	90%									
7694	CSF_POW - Power & Distribution Functional Components Test	4	05-Nov-19	02-Dec-19	16-Sep-19A	06-Mar-20	-73	100%	98.02%									
7700	CSF_POW - EMSD Test Other Lifts w/ Permanent Power & Issue Cert.	22	28-Nov-19	28-Nov-19	23-Oct-19A	26-Mar-20	-94	100%	70%									
7692	CSF_POW - BMS Systems Test	12	03-Dec-19	16-Dec-19	23-Nov-19A	16-Mar-20	-69	100%	45.01%									
7685	CSF_POW - UPS T&C	10	12-Nov-19	25-Nov-19	03-Feb-20A	13-Mar-20	-85	100%	54.55%									
7689	CSF_POW - IT Systems Test	6	19-Nov-19	02-Dec-19	06-Feb-20A	09-Mar-20	-75	100%	35.01%									
7690	CSF_POW - AV Systems Test	12	03-Dec-19	16-Dec-19	07-Mar-20	20-Mar-20	-73	100%	0%									
<b>RDE BUILDING</b>																		
<b>Construction</b>																		
<b>Initial Works, Establishment &amp; Miscellaneous</b>																		
14238f	RDE - Architectural Lightings Installation (C46)	12	10-Feb-20	22-Feb-20	04-Jul-20	17-Jul-20	-121	100%	0%									
9699	RDE - ABWF - Close Off Slab & Sealer on Mat'l Hoist 16 opening @ L1-L5	30	25-Oct-19	28-Nov-19	02-Mar-20	06-Apr-20	-101	100%	0%									
9701	RDE - MEP - Minor MEP Works MH16 opening L1-L5	30	08-Nov-19	12-Dec-19	20-Mar-20	24-Apr-20	-105	100%	0%									
<b>Level GF</b>																		
<b>ABWF &amp; MEP Works</b>																		
<b>FoH Areas (Retail, Passenger Lift Lobbies &amp; Terrace) - RDE_GF_Z01</b>																		
4691	RDE_GF_Z01_FoH - MEP 1st fix (Part 1)	2	16-Jan-19	05-Mar-19	07-Jan-19A	03-Mar-20	-296	100%	95.04%									
4692	RDE_GF_Z01_FoH - MEP 2nd fix	18	30-Sep-19	29-Oct-19	02-Sep-19A	21-Mar-20	-115	100%	78.1%									
4698	RDE_GF_Z01_FoH - Floor Sealer	30	20-Nov-19	25-Nov-19	28-Feb-20A	08-Apr-20	-106	100%	4.98%									
4691a	RDE_GF_Z01_FoH - MEP 1st fix (Part 2) (after material hoist closure)	14			04-Mar-20	19-Mar-20		0%	0%									
4693	RDE_GF_Z01_FoH - MEP final fix	18	30-Oct-19	19-Nov-19	16-Mar-20	06-Apr-20	-109	100%	0%									
4746	RDE_GF_Z01_FoH - Glass Partition installation	26	05-Dec-19	11-Dec-19	18-Apr-20	19-May-20	-126	100%	0%									
4694	RDE_GF_Z01_FoH - All Other Finishes / Make Good & Clean	12	19-Nov-19	02-Dec-19	13-May-20	26-May-20	-140	100%	0%									
<b>BoH Plant Rooms, Corridors, FS &amp; Service Lift Lobbies - RDE_GF_Z02</b>																		
4686	RDE_GF_Z02_BoH - Wet Trades (plaster/screed/ceiling sealer/wall_sealer/undercoat)	8	29-Dec-18	15-Jan-19	07-Jan-19A	10-Mar-20	-338	100%	85.06%									
4680	RDE_GF_Z02_BoH - MEP 2nd fix	16	10-May-19	30-May-19	01-Apr-19A	19-Mar-20	-238	100%	93.02%									
4682	RDE_GF_Z02_BoH - Lobbies & Corr Ceiling Rods/Grids	10	20-Feb-19	23-Feb-19	12-Aug-19A	12-Mar-20	-312	100%	32.01%									
4679	RDE_GF_Z02_BoH - Seal Wall Opening	14	20-Feb-19	26-Feb-19	02-Sep-19A	17-Mar-20	-314	100%	52.01%									
4681	RDE_GF_Z02_BoH - Door Frame & Plastering of Perimeter Edges	4	27-Feb-19	04-Mar-19	02-Oct-19A	05-Mar-20	-299	100%	65.04%									
4677	RDE_GF_Z02_BoH - Misc Metal Works / Access Panels	48	31-May-19	06-Jun-19	01-Nov-19A	27-Apr-20	-264	100%	42.01%									
4687	RDE_GF_Z02_BoH - Wall epoxy/emulsion paint final coat	50	10-Jun-19	13-Jun-19	04-Nov-19A	30-Apr-20	-262	100%	72.02%									
4675	RDE_GF_Z02_BoH - Door / Ironmong / Hose Reel Cabs	18	31-May-19	08-Jun-19	11-Nov-19A	23-Mar-20	-234	100%	30.04%									
4684	RDE_GF_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	18	31-May-19	08-Jun-19	18-Nov-19A	23-Mar-20	-234	100%	32.01%									
4685	RDE_GF_Z02_BoH - WP / Screed / Floor sealer	52	13-Jun-19	14-Jun-19	25-Nov-19A	04-May-20	-263	100%	60.01%									
4688	RDE_GF_Z02_BoH - MEP final fix	12	24-Sep-19	09-Oct-19	18-Mar-20	31-Mar-20	-140	100%	0%									
4676	RDE_GF_Z02_BoH - All Other Finishes / Make Good & Clean	12	02-Oct-19	16-Oct-19	27-Apr-20	11-May-20	-167	100%	0%									
<b>Level 1</b>																		
<b>ABWF &amp; MEP Works</b>																		
<b>FoH Areas (Retail, Passenger Lift Lobbies &amp; Terrace) - RDE_L1_Z01</b>																		
4736	RDE_L1_Z01_FoH - MEP 2nd fix	18	07-Nov-19	04-Dec-19	02-May-19A	21-Mar-20	-84	100%	96.41%									
4735a	RDE_L1_Z01_FoH - MEP 1st fix (Part 2) (after material hoist closure)	16			02-Mar-20*	19-Mar-20		0%	0%									
4737	RDE_L1_Z01_FoH - MEP final fix	18	05-Dec-19	26-Dec-19	20-Mar-20	10-Apr-20	-82	100%	0%									
4741	RDE_L1_Z01_FoH - Floor Sealer	4	27-Dec-19	31-Dec-19	11-Apr-20	15-Apr-20	-82	100%	0%									
10116	RDE_L1_Z01_FoH - Glass Partition installation	26			21-Apr-20	21-May-20		0%	0%									
4738	RDE_L1_Z01_FoH - All Other Finishes / Make Good & Clean	12	24-Dec-19	08-Jan-20	15-May-20	28-May-20	-112	100%	0%									
<b>BoH Plant Rooms, Corridors, FS &amp; Service Lift Lobbies - RDE_L1_Z02</b>																		
4713	RDE_L1_Z02_BoH - Wet Trades (plaster/screed/C&W_sealer/undercoat)	10	29-Mar-19	15-Apr-19	16-Nov-18A	12-Mar-20	-270	100%	89%									
4708	RDE_L1_Z02_BoH - MEP 2nd fix	14	25-Oct-19	14-Nov-19	01-Apr-19A	17-Mar-20	-97	100%	89.11%									
4709	RDE_L1_Z02_BoH - Door Frame & Plastering of Perimeter Edges	4	15-May-19	21-May-19	12-Aug-19A	05-Mar-20	-234	100%	80.07%									
4704	RDE_L1_Z02_BoH - Misc Metal Works / Access Panels	51	15-Nov-19	21-Nov-19	02-Sep-19A	02-May-20	-129	100%	65.01%									
4711	RDE_L1_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	16	22-Nov-19	28-Nov-19	07-Oct-19A	19-Mar-20	-87	100%	36.01%									
4714	RDE_L1_Z02_BoH - Wall epoxy/emulsion paint final coat	55	29-Nov-19	02-Dec-19	04-Nov-19A	06-May-20	-123	100%	71.89%									
4702	RDE_L1_Z02_BoH - Door / Ironmong / Hose Reel Cabs	30	15-Nov-19	23-Nov-19	11-Nov-19A	07-Apr-20	-106	100%	34.99%									
4712	RDE_L1_Z02_BoH - Floor sealer	56	02-Dec-19	03-Dec-19	25-Nov-19A	07-May-20	-123	100%	31.01%									
4715	RDE_L1_Z02_BoH - MEP final fix	12	15-Nov-19	28-Nov-19	16-Mar-20	28-Mar-20	-95	100%	0%									
4703	RDE_L1_Z02_BoH - All Other Finishes / Make Good & Clean	12	27-Nov-19	10-Dec-19	30-Apr-20	14-May-20	-123	100%	0%									
<b>Toilets - RDE_L1_Z03</b>																		
4723	RDE_L1_Z03_Toilet - MEP 2nd fix	4	06-Mar-19	19-Mar-19	01-Apr-19A	05-Mar-20	-286	100%	98.2%									
4730	RDE_L1_Z03_Toilet - Cubicle partitions & sanitary ware & fittings	6	13-Apr-19	19-Apr-19	17-Jun-19A	07-Mar-20	-262	100%	90.02%									
4722	RDE_L1_Z03_Toilet - Seal Wall Opening	2	08-Dec-18	11-Dec-18	01-Aug-19A	03-Mar-20	-360	100%	78.08%									
4725	RDE_L1_Z03_Toilet - MEP final fix	18	24-Sep-19	30-Sep-19	20-Jan-20A	21-Mar-20	-138	100%	20.05%									
4733	RDE_L1_Z03_Toilet - Ceiling finishes final coat	3	27-Mar-19	29-Mar-19	06-Mar-20	09-Mar-20	-280	100%	0%									
4718	RDE_L1_Z03_Toilet - Door / Ironmong	2	30-Sep-19	02-Oct-19	31-Mar-20	01-Apr-20	-146	100%	0%									
4719	RDE_L1_Z03_Toilet - All Other Finishes / Make Good & Clean	1	03-Oct-19	10-Oct-19	16-Apr-20	16-Apr-20	-152	100%	0%									
<b>Level 2</b>																		
<b>ABWF &amp; MEP Works</b>																		
<b>FoH Areas (RDE, Passenger Lift Lobbies &amp; Terrace) - RDE_L2_Z01</b>																		
4780	RDE_L2_Z01_FoH - MEP 2nd fix	18	10-May-19	06-Jun-19	01-Apr-19A	21-Mar-20	-234	100%	94.2%									
4779a	RDE_L2_Z01_FoH - MEP 1st fix (Part 2) (after material hoist closure)	16			02-Mar-20	19-Mar-20		0%	0%									
4796	RDE_L2_Z01_FoH - Terrace Balustrade (base frame & glass)	18																

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020									
										Qtr 1			Qtr 2			Qtr 3			
										Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
4835	RDE_L3_Z01_FoH-Floor Sealer	28	17-Oct-19	22-Oct-19	24-Feb-20A	08-Apr-20	-136	100%	70.17%										
4829a	RDE_L3_Z01_FoH-MEP 1st fix (Part2) (after material hoist closure)	16			02-Mar-20	19-Mar-20		0%	0%										
4831	RDE_L3_Z01_FoH-MEP final fix	18	24-Sep-19	16-Oct-19	16-Mar-20	06-Apr-20	-138	100%	0%										
4832	RDE_L3_Z01_FoH-All Other Finishes / Make Good & Clean	12	15-Oct-19	29-Oct-19	02-Apr-20	16-Apr-20	-137	100%	0%										
<b>BoH Plant Rooms, Corridors, FS &amp; Service Lift Lobbies - RDE_L3_Z02</b>																			
4808	RDE_L3_Z02_BoH-Wet Trades (plaster/screed/C&W_sealer/undercoat)	8	18-Mar-19	02-Apr-19	19-Nov-19A	10-Mar-20	-278	100%	90%										
4803	RDE_L3_Z02_BoH-MEP 2nd fix	8	03-Jul-19	23-Jul-19	01-Apr-19A	10-Mar-20	-186	100%	90.08%										
4800	RDE_L3_Z02_BoH-Misc Metal Works / Access Panels	48	24-Jul-19	30-Jul-19	01-Aug-19A	27-Apr-20	-220	100%	91.02%										
4802	RDE_L3_Z02_BoH-Seal Wall Opening	10	03-Jul-19	09-Jul-19	01-Aug-19A	12-Mar-20	-200	100%	92.52%										
4806	RDE_L3_Z02_BoH-Lobbies & Corr Close ceiling (board) incl. Cut-Outs	12	31-Jul-19	08-Aug-19	23-Sep-19A	14-Mar-20	-176	100%	42.51%										
4798	RDE_L3_Z02_BoH-Door / Ironmong / Hose Reel Cabs	10	24-Jul-19	01-Aug-19	04-Nov-19A	12-Mar-20	-180	100%	45.01%										
4810	RDE_L3_Z02_BoH-MEP final fix	12	30-Sep-19	15-Oct-19	09-Mar-20	21-Mar-20	-127	100%	0%										
4799	RDE_L3_Z02_BoH-All Other Finishes / Make Good & Clean	12	09-Oct-19	22-Oct-19	25-Apr-20	09-May-20	-161	100%	0%										
4809	RDE_L3_Z02_BoH-Wall epoxy/emulsion paint final coat	4	09-Aug-19	13-Aug-19	27-Apr-20	30-Apr-20	-211	100%	0%										
4807	RDE_L3_Z02_BoH-Floor sealer	2	13-Aug-19	14-Aug-19	30-Apr-20	02-May-20	-211	100%	0%										
<b>Toilets - RDE_L3_Z03</b>																			
4817	RDE_L3_Z03_Toilet-MEP 2nd fix	8	17-Jul-19	30-Jul-19	09-Apr-19A	10-Mar-20	-180	100%	97.02%										
4823	RDE_L3_Z03_Toilet-Cubicle partitions & sanitary ware & fittings	6	08-Oct-19	16-Oct-19	17-Jun-19A	07-Mar-20	-114	100%	97.06%										
4818	RDE_L3_Z03_Toilet-Door Frame	2	28-Jun-19	29-Jun-19	12-Aug-19A	03-Mar-20	-199	100%	80.02%										
4815	RDE_L3_Z03_Toilet-Close ceiling (board) incl. Cut-Outs	12	31-Jul-19	08-Aug-19	01-Nov-19A	14-Mar-20	-176	100%	56.01%										
4812	RDE_L3_Z03_Toilet-Door / Ironmong	8	17-Oct-19	18-Oct-19	11-Nov-19A	10-Mar-20	-114	100%	35.01%										
4819	RDE_L3_Z03_Toilet-MEP final fix	16	08-Oct-19	14-Oct-19	20-Jan-20A	19-Mar-20	-126	100%	35.4%										
4826	RDE_L3_Z03_Toilet-Ceiling finishes final coat	3	09-Aug-19	12-Aug-19	16-Mar-20	18-Mar-20	-176	100%	0%										
4813	RDE_L3_Z03_Toilet-All Other Finishes / Make Good & Clean	6	19-Oct-19	25-Oct-19	10-Apr-20	16-Apr-20	-139	100%	0%										
<b>Kitchen - RDE_L3_Z04</b>																			
4840	RDE_L3_Z04_Kitchen-MEP 2nd fix	10	10-May-19	16-May-19	09-Apr-19A	12-Mar-20	-244	100%	90.23%										
4844	RDE_L3_Z04_Kitchen-Install door & ironmongeries / Make Good & Clean	18	24-Sep-19	30-Sep-19	19-Aug-19A	21-Mar-20	-138	100%	70.02%										
4828	RDE_L3_Z04_Kitchen-MEP final fix	3	24-Sep-19	26-Sep-19	12-Mar-20	14-Mar-20	-135	100%	0%										
<b>Level 4</b>																			
<b>ABWF &amp; MEP Works</b>																			
<b>FoH Areas (RDE, Passenger Lift Lobbies &amp; Terrace) - RDE_L4_Z01</b>																			
4879	RDE_L4_Z01_FoH-MEP 2nd fix	20	10-May-19	06-Jun-19	02-May-19A	24-Mar-20	-236	100%	92.08%										
4884	RDE_L4_Z01_FoH-Floor Sealer	32	17-Oct-19	22-Oct-19	26-Feb-20A	10-Apr-20	-138	100%	60.01%										
4878a	RDE_L4_Z01_FoH-MEP 1st fix (Part2) (after material hoist closure)	16			02-Mar-20	19-Mar-20		0%	0%										
4880	RDE_L4_Z01_FoH-MEP final fix	18	24-Sep-19	16-Oct-19	18-Mar-20	08-Apr-20	-140	100%	0%										
4881	RDE_L4_Z01_FoH-All Other Finishes / Make Good & Clean	12	15-Oct-19	29-Oct-19	03-Apr-20	17-Apr-20	-138	100%	0%										
<b>BoH Plant Rooms, Corridors, FS &amp; Service Lift Lobbies - RDE_L4_Z02</b>																			
4857	RDE_L4_Z02_BoH-Wet Trades (plaster/screed/C&W_sealer/undercoat)	10	18-Mar-19	02-Apr-19	11-Mar-19A	12-Mar-20	-280	100%	89%										
4852	RDE_L4_Z02_BoH-MEP 2nd fix	10	03-Jul-19	23-Jul-19	15-Apr-19A	12-Mar-20	-188	100%	85.01%										
4849	RDE_L4_Z02_BoH-Misc Metal Works / Access Panels	48	24-Jul-19	30-Jul-19	01-Aug-19A	27-Apr-20	-220	100%	86.02%										
4851	RDE_L4_Z02_BoH-Seal Wall Opening	16	03-Jul-19	09-Jul-19	05-Aug-19A	19-Mar-20	-206	100%	93.02%										
4853	RDE_L4_Z02_BoH-Door Frame & Plastering of Perimeter Edges	6	03-Jul-19	09-Jul-19	12-Aug-19A	07-Mar-20	-196	100%	75.02%										
4847	RDE_L4_Z02_BoH-Door / Ironmong / Hose Reel Cabs	12	24-Jul-19	01-Aug-19	04-Nov-19A	16-Mar-20	-183	100%	25.49%										
4855	RDE_L4_Z02_BoH-Lobbies & Corr Close ceiling (board) incl. Cut-Outs	12	31-Jul-19	08-Aug-19	11-Nov-19A	16-Mar-20	-177	100%	60.01%										
4858	RDE_L4_Z02_BoH-Wall epoxy/emulsion paint final coat	50	09-Aug-19	13-Aug-19	25-Nov-19A	30-Apr-20	-211	100%	30.09%										
4856	RDE_L4_Z02_BoH-Floor sealer	52	13-Aug-19	14-Aug-19	27-Feb-20A	04-May-20	-212	100%	5%										
4859	RDE_L4_Z02_BoH-MEP final fix	12	16-Oct-19	29-Oct-19	13-Mar-20	26-Mar-20	-119	100%	0%										
4848	RDE_L4_Z02_BoH-All Other Finishes / Make Good & Clean	12	23-Oct-19	05-Nov-19	27-Apr-20	11-May-20	-150	100%	0%										
<b>Toilets - RDE_L4_Z03</b>																			
4866	RDE_L4_Z03_Toilet-MEP 2nd fix	6	17-Jul-19	30-Jul-19	02-May-19A	07-Mar-20	-178	100%	87.3%										
4872	RDE_L4_Z03_Toilet-Cubicle partitions & sanitary ware & fittings	8	24-Oct-19	01-Nov-19	15-Jul-19A	10-Mar-20	-102	100%	90.03%										
4868	RDE_L4_Z03_Toilet-MEP final fix	16	24-Oct-19	30-Oct-19	20-Jan-20A	19-Mar-20	-112	100%	15.04%										
4875	RDE_L4_Z03_Toilet-Ceiling finishes final coat	3	09-Aug-19	12-Aug-19	09-Mar-20*	11-Mar-20	-170	100%	0%										
4861	RDE_L4_Z03_Toilet-Door / Ironmong	2	02-Nov-19	04-Nov-19	11-Mar-20	12-Mar-20	-102	100%	0%										
4862	RDE_L4_Z03_Toilet-All Other Finishes / Make Good & Clean	6	05-Nov-19	11-Nov-19	10-Apr-20	16-Apr-20	-125	100%	0%										
<b>Kitchen - RDE_L4_Z04</b>																			
4889	RDE_L4_Z04_Kitchen-MEP 2nd fix	6	10-May-19	16-May-19	03-Jun-19A	07-Mar-20	-240	100%	90.08%										
4893	RDE_L4_Z04_Kitchen-Install door & ironmongery / Make Good & Clean	14	24-Sep-19	30-Sep-19	02-Oct-19A	17-Mar-20	-134	100%	55.01%										
4877	RDE_L4_Z04_Kitchen-MEP final fix	3	24-Sep-19	26-Sep-19	10-Mar-20	12-Mar-20	-133	100%	0%										
<b>Level 5</b>																			
<b>ABWF &amp; MEP Works</b>																			
<b>FoH Areas (Offices, Passenger Lift Lobbies &amp; Terrace) - RDE_L5_Z01</b>																			
4928	RDE_L5_Z01_FoH-MEP 2nd fix	18	10-May-19	06-Jun-19	15-Apr-19A	21-Mar-20	-234	100%	93.08%										
4933	RDE_L5_Z01_FoH-Floor Sealer	28	17-Oct-19	22-Oct-19	26-Feb-20A	02-Apr-20	-132	100%	50.03%										
4927a	RDE_L5_Z01_FoH-MEP 1st fix (Part2) (after material hoist closure)	16			02-Mar-20	19-Mar-20		0%	0%										
4929	RDE_L5_Z01_FoH-MEP final fix	18	24-Sep-19	16-Oct-19	11-Mar-20	31-Mar-20	-134	100%	0%										
4930	RDE_L5_Z01_FoH-All Other Finishes / Make Good & Clean	12	15-Oct-19	29-Oct-19	02-Apr-20	16-Apr-20	-137	100%	0%										
<b>BoH Plant Rooms, Corridors, FS Lift Lobby - RDE_L5_Z02</b>																			
4907	RDE_L5_Z02_BoH-Wet Trades (plaster/screed/C&W_sealer/undercoat)	8	01-Apr-19	17-Apr-19	11-Mar-19A	10-Mar-20	-266	100%	90%										
4902	RDE_L5_Z02_BoH-MEP 2nd fix	10	09-Jul-19	29-Jul-19	15-Apr-19A	12-Mar-20	-183	100%	82.03%										
4899	RDE_L5_Z02_BoH-Misc Metal Works / Access Panels	49	30-Jul-19	05-Aug-19	12-Aug-19A	28-Apr-20	-216	100%	83%										
4901	RDE_L5_Z02_BoH-Seal Wall Opening	16	09-Jul-19	15-Jul-19	02-Sep-19A	21-Mar-20	-203	100%	90%										
4903	RDE_L5_Z02_BoH-Door Frame & Plastering of Perimeter Edges	4	09-Jul-19	15-Jul-19	16-Sep-19A	05-Mar-20	-189	100%	90%										
4897	RDE_L5_Z02_BoH-Door / Ironmong / Hose Reel Cabs	12	30-Jul-19	07-Aug-19	11-Nov-19A	14-Mar-20	-177	100%	30.01%										
4905	RDE_L5_Z02_BoH-Lobbies & Corr Close ceiling (board) incl. Cut-Outs	14	06-Aug-19	09-Aug-19	11-Nov-19A	17-Mar-20	-177	100%	10%										
4908	RDE_L5_Z02_BoH-Wall epoxy/emulsion paint final coat	52	10-Aug-19	13-Aug-19	25-Nov-19A	02-May-20	-212	100%	20.18%										
4909	RDE_L5_Z02_BoH-MEP final fix	12	16-Oct-19	29-Oct-19	09-Mar-20	21-Mar-20	-115	100%	0%										
4898	RDE_L5_Z02_BoH-All Other Finishes / Make Good & Clean	12	23-Oct-19	05-Nov-19	27-Apr-20	11-May-20	-150	100%	0%										
4906	RDE_L5_Z02_BoH-Floor sealer	2	13-Aug-19	14-Aug-19	02-May-20	04-May-20	-212	100%	0%										
<b>Toilets - RDE_L5_Z03</b>																			
4926	RDE_L5_Z03_Toilet-MEP 1st fix Ceiling	4	10-Jun-19	04-Jul-19	03-Jun-19A	05-Mar-20	-198	100%	98.03%										
4916	RDE_L5_Z03_Toilet-MEP 2nd fix	12	18-Jul-19	31-Jul-19	17-Jun-19A	14-Mar-20	-183	100%	83.05%										
4922	RDE_L5_Z03_Toilet-Cubicle partitions & sanitary ware & fittings	6	28-Sep-19	05-Oct-19	15-Jul-19A	07-Mar-20	-122	100%	8										

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020										
										Qtr 1		Qtr 2			Qtr 3		Sep			
										Feb	Mar	Apr	May	Jun	Jul	Aug				
<b>FoH Areas (Office/OACF/Passenger Lift Lobbies &amp; Terrace) - RDE_L7_Z01</b>																				
4966	RDE_L7_Z01_FoH-MEP 1st fix (Part 1)	2	16-Jan-19	05-Mar-19	03-Jun-19A	03-Mar-20	-296	100%	99.08%											
4973	RDE_L7_Z01_FoH-Terrace Balustrade (base frame & glass)	4	06-Jul-19	12-Jul-19	03-Jun-19A	05-Mar-20	-191	100%	95.02%											
4967	RDE_L7_Z01_FoH-MEP 2nd fix	18	06-Jul-19	05-Jul-19	09-Sep-19A	24-Mar-20	-213	100%	62.08%											
4972	RDE_L7_Z01_FoH-Raised Floor	22	17-Oct-19	22-Oct-19	14-Feb-20A	06-Apr-20	-134	100%	65.26%											
4966a	RDE_L7_Z01_FoH-MEP 1st fix (Part2) (after material hoist closure)	18			02-Mar-20*	21-Mar-20		0%	0%											
4967a	RDE_L7_Z01_FoH-Raised Floor MEP Containment/Wiring MEP 1st,2nd fix	12			16-Mar-20	28-Mar-20		0%	0%											
4968	RDE_L7_Z01_FoH-MEP final fix	18	24-Sep-19	16-Oct-19	25-Mar-20	15-Apr-20	-146	100%	0%											
4969	RDE_L7_Z01_FoH-All Other Finishes / Make Good & Clean	12	15-Oct-19	29-Oct-19	09-Apr-20	22-Apr-20	-142	100%	0%											
<b>BoH Plant Rooms, Corridors, FS Lift Lobby - RDE_L7_Z02</b>																				
4946	RDE_L7_Z02_BoH-Wet Trades (plaster/screed/C&W_sealer/undercoat)	4	01-Apr-19	17-Apr-19	11-Mar-19A	05-Mar-20	-262	100%	84%											
4939	RDE_L7_Z02_BoH-MEP 1st fix	10	10-Jun-19	08-Jul-19	16-Apr-19A	12-Mar-20	-201	100%	96.01%											
4941	RDE_L7_Z02_BoH-MEP 2nd fix	20	09-Jul-19	29-Jul-19	09-Sep-19A	24-Mar-20	-193	100%	45.06%											
4942	RDE_L7_Z02_BoH-Door Frame & Plastering of Perimeter Edges	14	09-Jul-19	13-Jul-19	23-Sep-19A	17-Mar-20	-200	100%	80.08%											
4938	RDE_L7_Z02_BoH-Misc Metal Works / Access Panels	48	30-Jul-19	05-Aug-19	02-Oct-19A	27-Apr-20	-215	100%	65.01%											
4940	RDE_L7_Z02_BoH-Seal Wall Opening	16	09-Jul-19	15-Jul-19	07-Oct-19A	19-Mar-20	-201	100%	55.01%											
4943	RDE_L7_Z02_BoH-Lobbies & Corr Ceiling Rods / Grids	14	09-Jul-19	12-Jul-19	11-Nov-19A	17-Mar-20	-201	100%	30%											
4944	RDE_L7_Z02_BoH-Lobbies & Corr Close ceiling (board) incl. Cut-Outs	22	06-Aug-19	09-Aug-19	15-Nov-19A	27-Mar-20	-186	100%	14%											
4936	RDE_L7_Z02_BoH-Door / Ironmong / Hose Reel Cabs	22	30-Jul-19	06-Aug-19	18-Nov-19A	27-Mar-20	-189	100%	28%											
4948	RDE_L7_Z02_BoH-MEP final fix	12	30-Oct-19	20-Mar-20	12-Nov-19	02-Apr-20	-113	100%	0%											
4947	RDE_L7_Z02_BoH-Wall epoxy/emulsion paint final coat	3	10-Aug-19	13-Aug-19	28-Mar-20	31-Mar-20	-186	100%	0%											
4945	RDE_L7_Z02_BoH-Floor sealer	2	13-Aug-19	14-Aug-19	31-Mar-20	01-Apr-20	-186	100%	0%											
4937	RDE_L7_Z02_BoH-All Other Finishes / Make Good & Clean	7	06-Nov-19	19-Nov-19	27-Apr-20	05-May-20	-133	100%	0%											
<b>Toilets - RDE_L7_Z03</b>																				
4965	RDE_L7_Z03_Toilet-MEP 1st fix Ceiling	6	10-Jun-19	04-Jul-19	09-Sep-19A	07-Mar-20	-200	100%	72.02%											
10004	RDE_L7_Z03_Toilet-Dry Wall Frame & One Side Board	8			04-Nov-19A	10-Mar-20		0%	95%											
4961	RDE_L7_Z03_Toilet-Cubicle partitions & sanitary ware & fittings	36	24-Oct-19	30-Oct-19	18-Nov-19A	21-Apr-20	-139	100%	25.01%											
4955	RDE_L7_Z03_Toilet-MEP 2nd fix	28	18-Jul-19	31-Jul-19	27-Dec-19A	07-Apr-20	-202	100%	31.03%											
10005	RDE_L7_Z03_Toilet-Dry Wall Closing Board	22			24-Feb-20A	26-Mar-20		0%	20%											
4956	RDE_L7_Z03_Toilet-Door Frame	2	05-Jul-19	06-Jul-19	09-Mar-20	10-Mar-20	-200	100%	0%											
4963	RDE_L7_Z03_Toilet-MEP 1st fix Dry Wall	8	14-Feb-19	22-Feb-19	11-Mar-20	19-Mar-20	-319	100%	0%											
4954	RDE_L7_Z03_Toilet-Seal Wall Opening	3	23-Feb-19	26-Feb-19	27-Mar-20	30-Mar-20	-325	100%	0%											
4952	RDE_L7_Z03_Toilet-Ceiling Rods / Grids	4	13-Jul-19	17-Jul-19	31-Mar-20	03-Apr-20	-212	100%	0%											
4953	RDE_L7_Z03_Toilet-Close ceiling (board) incl. Cut-Outs	7	01-Aug-19	08-Aug-19	03-Apr-20	11-Apr-20	-199	100%	0%											
4960	RDE_L7_Z03_Toilet-Finishes Walls & Floor Tiling	10	12-Oct-19	23-Oct-19	06-Apr-20	16-Apr-20	-141	100%	0%											
4964	RDE_L7_Z03_Toilet-Ceiling finishes final coat	3	09-Aug-19	12-Aug-19	13-Apr-20	15-Apr-20	-199	100%	0%											
4957	RDE_L7_Z03_Toilet-MEP final fix	6	24-Oct-19	30-Oct-19	17-Apr-20	23-Apr-20	-141	100%	0%											
4950	RDE_L7_Z03_Toilet-Door / Ironmong	2	31-Oct-19	01-Nov-19	22-Apr-20	23-Apr-20	-139	100%	0%											
4951	RDE_L7_Z03_Toilet-All Other Finishes / Make Good & Clean	6	02-Nov-19	08-Nov-19	24-Apr-20	30-Apr-20	-139	100%	0%											
<b>Level 8</b>																				
<b>ABWF &amp; MEP Works</b>																				
<b>FoH Areas (Office/OACF/Passenger Lift Lobbies &amp; Terrace) - RDE_L8_Z01</b>																				
5907	RDE_L8_Z01_FoH-MEP 1st fix (Part 1)	10	17-Jan-19	06-Mar-19	03-Jun-19A	12-Mar-20	-303	100%	97.07%											
5911	RDE_L8_Z01_FoH-Ceiling/Wall/Columns Sealer	4	04-Jan-19	09-Jan-19	03-Jun-19A	05-Mar-20	-339	100%	60.01%											
5912	RDE_L8_Z01_FoH-Wall/Columns Protection	6	10-Jan-19	16-Jan-19	10-Jun-19A	07-Mar-20	-335	100%	63.99%											
5914	RDE_L8_Z01_FoH-Terrace Balustrade (base frame & glass)	4	03-Aug-19	09-Aug-19	05-Aug-19A	05-Mar-20	-167	100%	95.02%											
5908	RDE_L8_Z01_FoH-MEP 2nd fix	20	06-Jul-19	02-Aug-19	09-Sep-19A	26-Mar-20	-191	100%	38.06%											
5907a	RDE_L8_Z01_FoH-MEP 1st fix (Part2) (after material hoist closure)	6			13-Mar-20	19-Mar-20		0%	0%											
5908a	RDE_L8_Z01_FoH-Raised Floor MEP Containment/Wiring MEP 1st,2nd fix	12			20-Mar-20	02-Apr-20		0%	0%											
5909	RDE_L8_Z01_FoH-MEP final fix	18	24-Sep-19	16-Oct-19	27-Mar-20	17-Apr-20	-148	100%	0%											
5913	RDE_L8_Z01_FoH-Raised Floor	12	17-Oct-19	22-Oct-19	27-Mar-20	10-Apr-20	-138	100%	0%											
5910	RDE_L8_Z01_FoH-All Other Finishes / Make Good & Clean	5	15-Oct-19	29-Oct-19	20-Apr-20	24-Apr-20	-144	100%	0%											
<b>BoH Plant Rooms, Corridors, FS Lift Lobby - RDE_L8_Z02</b>																				
4985	RDE_L8_Z02_BoH-Wet Trades (plaster/screed/C&W_sealer/undercoat)	6	15-Apr-19	30-Apr-19	02-May-19A	07-Mar-20	-253	100%	75%											
4978	RDE_L8_Z02_BoH-MEP 1st fix	14	17-Jun-19	15-Jul-19	03-Jun-19A	17-Mar-20	-199	100%	88.09%											
4980	RDE_L8_Z02_BoH-MEP 2nd fix	24	16-Jul-19	05-Aug-19	09-Sep-19A	28-Mar-20	-191	100%	43.1%											
4979	RDE_L8_Z02_BoH-Seal Wall Opening	20	16-Jul-19	22-Jul-19	07-Oct-19A	24-Mar-20	-199	100%	52.01%											
4977	RDE_L8_Z02_BoH-Misc Metal Works / Access Panels	48	06-Aug-19	12-Aug-19	08-Oct-19A	28-Apr-20	-210	100%	62.01%											
4982	RDE_L8_Z02_BoH-Lobbies & Corr Ceiling Rods / Grids	18	16-Jul-19	19-Jul-19	11-Nov-19A	21-Mar-20	-199	100%	25%											
4983	RDE_L8_Z02_BoH-Lobbies & Corr Close ceiling (board) incl. Cut-Outs	26	06-Aug-19	09-Aug-19	15-Nov-19A	01-Apr-20	-190	100%	15%											
4975	RDE_L8_Z02_BoH-Door / Ironmong / Hose Reel Cabs	26	06-Aug-19	13-Aug-19	18-Nov-19A	01-Apr-20	-187	100%	25%											
4986	RDE_L8_Z02_BoH-Wall epoxy/emulsion paint final coat	3	10-Aug-19	13-Aug-19	02-Apr-20	06-Apr-20	-190	100%	0%											
4984	RDE_L8_Z02_BoH-Floor sealer	2	13-Aug-19	14-Aug-19	06-Apr-20	07-Apr-20	-190	100%	0%											
4987	RDE_L8_Z02_BoH-MEP final fix	12	30-Oct-19	12-Nov-19	07-Apr-20	20-Apr-20	-127	100%	0%											
4976	RDE_L8_Z02_BoH-All Other Finishes / Make Good & Clean	12	06-Nov-19	19-Nov-19	22-Apr-20	06-May-20	-134	100%	0%											
<b>Toilets - RDE_L8_Z03</b>																				
5906	RDE_L8_Z03_Toilet-MEP 1st fix Ceiling	8	17-Jun-19	11-Jul-19	14-Oct-19A	10-Mar-20	-196	100%	77.16%											
10006	RDE_L8_Z03_Toilet-Dry Wall Frame & One Side Board	12			04-Nov-19A	14-Mar-20		0%	56%											
5902	RDE_L8_Z03_Toilet-Cubicle partitions & sanitary ware & fittings	38	15-Oct-19	21-Oct-19	18-Nov-19A	18-Apr-20	-145	100%	25.03%											
4998	RDE_L8_Z03_Toilet-Floor Screed	18	23-Apr-19	26-Apr-19	20-Nov-19A	21-Mar-20	-268	100%	62.01%											
4993	RDE_L8_Z03_Toilet-Seal Wall Opening	22	29-Apr-19	02-May-19	25-Nov-19A	30-Mar-20	-271	100%	34.99%											
4994	RDE_L8_Z03_Toilet-MEP 2nd fix	30	25-Jul-19	07-Aug-19	28-Dec-19A	07-Apr-20	-196	100%	23.16%											
5904	RDE_L8_Z03_Toilet-MEP 1st fix Dry Wall	8	19-Apr-19	27-Apr-19	11-Mar-20	19-Mar-20	-265	100%	0%											
10007	RDE_L8_Z03_Toilet-Dry Wall Closing Board	6			20-Mar-20	26-Mar-20		0%	0%											
4995	RDE_L8_Z03_Toilet-Door Frame	2	12-Jul-19	13-Jul-19	23-Mar-20	24-Mar-20	-206	100%	0%											
4991	RDE_L8_Z03_Toilet-Ceiling Rods / Grids	4	20-Jul-19	24-Jul-19	31-Mar-20	03-Apr-20	-206	100%	0%											
5901	RDE_L8_Z03_Toilet-Finishes Walls & Floor Tiling	10	02-Oct-19	14-Oct-19	06-Apr-20	16-Apr-20	-149	100%	0%											
4992	RDE_L8_Z03_Toilet-Close ceiling (board) incl. Cut-Outs	7	08-Aug-19	09-Aug-19	08-Apr-20	15-Apr-20	-201	100%	0%											
5905	RDE_L8_Z03_Toilet-Ceiling finishes final coat	3																		



ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020								
										Qtr 1		Qtr 2			Qtr 3			
										Feb	Mar	Apr	May	Jun	Jul	Aug	sep	
5182	RDE_L13_Z02_BoH-Wet Trades (plaster/screed/C&W_sealer/undercoat)	12	28-May-19	13-Jun-19	02-Sep-19A	14-Mar-20	-223	100%	73.02%									
5175	RDE_L13_Z02_BoH-MEP 1st fix	20	24-Jun-19	22-Jul-19	16-Sep-19A	24-Mar-20	-199	100%	44.04%									
5176	RDE_L13_Z02_BoH-Seal Wall Opening	26	23-Jul-19	29-Jul-19	18-Nov-19A	31-Mar-20	-199	100%	42.39%									
5174	RDE_L13_Z02_BoH-Misc Metal Works/Access Panels	46	13-Aug-19	19-Aug-19	20-Nov-19A	29-Apr-20	-205	100%	42.39%									
5172	RDE_L13_Z02_BoH-Door/Ironmong/Hose Reel Cabs	36	18-Sep-19	25-Sep-19	25-Nov-19A	13-Apr-20	-160	100%	23.03%									
5177	RDE_L13_Z02_BoH-MEP 2nd fix	32	23-Jul-19	12-Aug-19	24-Feb-20A	08-Apr-20	-193	100%	50.2%									
5178	RDE_L13_Z02_BoH-Door Frame & Plastering of Perimeter Edges	5	23-Jul-19	27-Jul-19	25-Mar-20	30-Mar-20	-199	100%	0%									
5179	RDE_L13_Z02_BoH-Lobbies & Corr Ceiling Rods/Grids	4	23-Jul-19	26-Jul-19	08-Apr-20	11-Apr-20	-210	100%	0%									
5184	RDE_L13_Z02_BoH-MEP final fix	12	24-Sep-19	09-Oct-19	09-Apr-20	22-Apr-20	-158	100%	0%									
5180	RDE_L13_Z02_BoH-Lobbies & Corr Close ceiling (board) incl. Cut-Outs	4	20-Aug-19	23-Aug-19	13-Apr-20	16-Apr-20	-190	100%	0%									
5183	RDE_L13_Z02_BoH-Wall epoxy/emulsion paint final coat	3	24-Aug-19	27-Aug-19	17-Apr-20	20-Apr-20	-190	100%	0%									
5181	RDE_L13_Z02_BoH-Floor sealer	2	27-Aug-19	28-Aug-19	20-Apr-20	21-Apr-20	-190	100%	0%									
5173	RDE_L13_Z02_BoH-All Other Finishes/Make Good & Clean	12	02-Oct-19	16-Oct-19	23-Apr-20	07-May-20	-164	100%	0%									
<b>Toilets - RDE_L13_Z03</b>																		
5202	RDE_L13_Z03_Toilet-MEP 1st fix Ceiling	20	24-Jun-19	18-Jul-19	11-Nov-19A	24-Mar-20	-202	100%	43.09%									
5197	RDE_L13_Z03_Toilet-Cubicle partitions & sanitary ware & fittings	48	03-Oct-19	10-Oct-19	28-Dec-19A	28-Apr-20	-162	100%	15.01%									
5191	RDE_L13_Z03_Toilet-MEP 2nd fix	12	01-Aug-19	14-Aug-19	24-Feb-20A	27-Apr-20	-207	100%	19.04%									
10016	RDE_L13_Z03_Toilet-Dry Wall Frame & One Side Board	12			14-Mar-20	27-Mar-20		0%	0%									
5194	RDE_L13_Z03_Toilet-Floor Screed	4	14-Jun-19	18-Jun-19	16-Mar-20*	19-Mar-20	-223	100%	0%									
5192	RDE_L13_Z03_Toilet-Door Frame	2	19-Jul-19	20-Jul-19	25-Mar-20	26-Mar-20	-202	100%	0%									
5200	RDE_L13_Z03_Toilet-MEP 1st fix Dry Wall	8	11-Jun-19	19-Jun-19	28-Mar-20	07-Apr-20	-237	100%	0%									
10017	RDE_L13_Z03_Toilet-Dry Wall Closing Board	6			08-Apr-20	14-Apr-20		0%	0%									
5190	RDE_L13_Z03_Toilet-Seal Wall Opening	3	20-Jun-19	22-Jun-19	15-Apr-20	17-Apr-20	-243	100%	0%									
5196	RDE_L13_Z03_Toilet-Finishes Walls & Floor Tiling	10	20-Sep-19	02-Oct-19	15-Apr-20	25-Apr-20	-166	100%	0%									
5188	RDE_L13_Z03_Toilet-Ceiling Rods/Grids	4	27-Jul-19	31-Jul-19	18-Apr-20	22-Apr-20	-215	100%	0%									
5189	RDE_L13_Z03_Toilet-Close ceiling (board) incl. Cut-Outs	7	15-Aug-19	22-Aug-19	28-Apr-20	06-May-20	-207	100%	0%									
5186	RDE_L13_Z03_Toilet-Door/Ironmong	2	11-Oct-19	12-Oct-19	29-Apr-20	30-Apr-20	-162	100%	0%									
5193	RDE_L13_Z03_Toilet-MEP final fix	6	03-Oct-19	10-Oct-19	07-May-20	13-May-20	-174	100%	0%									
5201	RDE_L13_Z03_Toilet-Ceiling finishes final coat	3	23-Aug-19	26-Aug-19	07-May-20	09-May-20	-207	100%	0%									
5187	RDE_L13_Z03_Toilet-All Other Finishes/Make Good & Clean	6	14-Oct-19	19-Oct-19	21-May-20	27-May-20	-178	100%	0%									
<b>Level 14</b>																		
<b>ABWF &amp; MEP Works</b>																		
<b>FoH Areas (Offices, Passenger Lift Lobbies &amp; Terrace) - RDE_L14_Z01</b>																		
5242	RDE_L14_Z01_FoH-MEP 1st fix	20	06-Jul-19	16-Aug-19	16-Sep-19A	24-Mar-20	-177	100%	3%									
5249	RDE_L14_Z01_FoH-Terrace Balustrade (base frame & glass)	6	08-Nov-19	14-Nov-19	18-Feb-20A	02-May-20	-135	100%	40.01%									
5246	RDE_L14_Z01_FoH-Ceiling/Wall/Columns Sealer	5	22-Jun-19	27-Jun-19	04-Mar-20*	09-Mar-20	-206	100%	0%									
5247	RDE_L14_Z01_FoH-Wall/Columns Protection	6	28-Jun-19	05-Jul-19	09-Mar-20	14-Mar-20	-205	100%	0%									
5244	RDE_L14_Z01_FoH-MEP final fix	18	08-Nov-19	28-Nov-19	14-Apr-20	05-May-20	-125	100%	0%									
5243	RDE_L14_Z01_FoH-MEP 2nd fix	7	11-Oct-19	07-Nov-19	17-Apr-20	24-Apr-20	-135	100%	0%									
5245	RDE_L14_Z01_FoH-All Other Finishes/Make Good & Clean	12	27-Nov-19	11-Dec-19	29-Apr-20	13-May-20	-122	100%	0%									
5248	RDE_L14_Z01_FoH-Floor Sealer	4	29-Nov-19	04-Dec-19	30-Apr-20	06-May-20	-122	100%	0%									
<b>BoH Plant Rooms, Corridors, FS Lift Lobby - RDE_L14_Z02</b>																		
5222	RDE_L14_Z02_BoH-Wet Trades (plaster/screed/C&W_sealer/undercoat)	10	05-Aug-19	20-Aug-19	04-Nov-19A	12-Mar-20	-164	100%	33.01%									
5215	RDE_L14_Z02_BoH-MEP 1st fix	16	02-Sep-19	30-Sep-19	11-Nov-19A	19-Mar-20	-136	100%	23.04%									
5216	RDE_L14_Z02_BoH-Seal Wall Opening	22	02-Oct-19	09-Oct-19	18-Nov-19A	26-Mar-20	-136	100%	13.96%									
5217	RDE_L14_Z02_BoH-MEP 2nd fix	18	02-Oct-19	23-Oct-19	18-Mar-20	08-Apr-20	-134	100%	0%									
5218	RDE_L14_Z02_BoH-Door Frame & Plastering of Perimeter Edges	5	02-Oct-19	08-Oct-19	20-Mar-20	25-Mar-20	-136	100%	0%									
5219	RDE_L14_Z02_BoH-Lobbies & Corr Ceiling Rods/Grids	4	02-Oct-19	05-Oct-19	20-Mar-20	24-Mar-20	-136	100%	0%									
5212	RDE_L14_Z02_BoH-Door/Ironmong/Hose Reel Cabs	7	24-Oct-19	31-Oct-19	09-Apr-20	16-Apr-20	-134	100%	0%									
5220	RDE_L14_Z02_BoH-Lobbies & Corr Close ceiling (board) incl. Cut-Outs	4	31-Oct-19	04-Nov-19	09-Apr-20	13-Apr-20	-128	100%	0%									
5224	RDE_L14_Z02_BoH-MEP final fix	12	04-Nov-19	16-Nov-19	09-Apr-20	22-Apr-20	-125	100%	0%									
5223	RDE_L14_Z02_BoH-Wall epoxy/emulsion paint final coat	3	05-Nov-19	07-Nov-19	14-Apr-20	16-Apr-20	-128	100%	0%									
5221	RDE_L14_Z02_BoH-Floor sealer	2	07-Nov-19	08-Nov-19	16-Apr-20	17-Apr-20	-128	100%	0%									
5213	RDE_L14_Z02_BoH-All Other Finishes/Make Good & Clean	12	11-Nov-19	23-Nov-19	25-Apr-20	09-May-20	-133	100%	0%									
5214	RDE_L14_Z02_BoH-Misc Metal Works/Access Panels	6	24-Oct-19	30-Oct-19	25-Apr-20	02-May-20	-148	100%	0%									
<b>Toilets - RDE_L14_Z03</b>																		
5238	RDE_L14_Z03_Toilet-Conc kerbs, steel posts & block wall	6	22-Jun-19	05-Jul-19	04-Nov-19A	07-Mar-20	-199	100%	65.06%									
5235	RDE_L14_Z03_Toilet-Wproof/Testing & Protective Screed	7	05-Aug-19	12-Aug-19	04-Mar-20	11-Mar-20	-170	100%	0%									
5239	RDE_L14_Z03_Toilet-MEP 1st fix Block Wall	8	09-Aug-19	17-Aug-19	09-Mar-20	17-Mar-20	-170	100%	0%									
5234	RDE_L14_Z03_Toilet-Floor Screed	4	13-Aug-19	16-Aug-19	12-Mar-20	17-Mar-20	-170	100%	0%									
5241	RDE_L14_Z03_Toilet-MEP 1st fix Ceiling	21	02-Sep-19	26-Sep-19	17-Mar-20	10-Apr-20	-157	100%	0%									
5230	RDE_L14_Z03_Toilet-Seal Wall Opening	3	19-Aug-19	21-Aug-19	18-Mar-20	20-Mar-20	-170	100%	0%									
5232	RDE_L14_Z03_Toilet-Door Frame	2	27-Sep-19	28-Sep-19	11-Apr-20	13-Apr-20	-157	100%	0%									
5225	RDE_L14_Z03_Toilet-Wall Plastering (internal & external)	5	30-Sep-19	05-Oct-19	14-Apr-20	18-Apr-20	-157	100%	0%									
5228	RDE_L14_Z03_Toilet-Ceiling Rods/Grids	4	08-Oct-19	11-Oct-19	20-Apr-20	23-Apr-20	-157	100%	0%									
5236	RDE_L14_Z03_Toilet-Finishes Walls & Floor Tiling	10	07-Nov-19	18-Nov-19	20-Apr-20	30-Apr-20	-131	100%	0%									
5231	RDE_L14_Z03_Toilet-MEP 2nd fix	12	12-Oct-19	25-Oct-19	24-Apr-20	08-May-20	-157	100%	0%									
5237	RDE_L14_Z03_Toilet-Cubicle partitions & sanitary ware & fittings	6	19-Nov-19	25-Nov-19	02-May-20	08-May-20	-131	100%	0%									
5226	RDE_L14_Z03_Toilet-Door/Ironmong	2	26-Nov-19	27-Nov-19	09-May-20	11-May-20	-131	100%	0%									
5229	RDE_L14_Z03_Toilet-Close ceiling (board) incl. Cut-Outs	7	26-Oct-19	02-Nov-19	09-May-20	16-May-20	-157	100%	0%									
5233	RDE_L14_Z03_Toilet-MEP final fix	6	19-Nov-19	25-Nov-19	18-May-20	23-May-20	-144	100%	0%									
5240	RDE_L14_Z03_Toilet-Ceiling finishes final coat	3	04-Nov-19	06-Nov-19	18-May-20	20-May-20	-157	100%	0%									
5227	RDE_L14_Z03_Toilet-All Other Finishes/Make Good & Clean	6	28-Nov-19	04-Dec-19	25-May-20	30-May-20	-142	100%	0%									
<b>Level 15</b>																		
<b>ABWF &amp; MEP Works</b>																		
<b>FoH Areas (RDE/Auction House, Passenger Lift Lobbies &amp; Terrace) - RDE_L15_Z01</b>																		
5282	RDE_L15_Z01_FoH-MEP 1st fix	18	17-Aug-19	28-Sep-19	11-Nov-19A	25-Mar-20	-142	100%	54.13%									
5286	RDE_L15_Z01_FoH-Ceiling/Wall/Columns Sealer	4	06-Aug-19	09-Aug-19	03-Mar-20*	06-Mar-20	-168	100%	0%									
5287	RDE_L15_Z01_FoH-Wall/Columns Protection	6	10-Aug-19	16-Aug-19	07-Mar-20	13-Mar-20	-168	100%	0%									
5358	RDE_L15_Z01_FoH-Dry Wall Frame & Board (one side)	17	19-Oct-19	07-Nov-19	25-Mar-20	14-Apr-20	-126	100%	0%									
5359	RDE_L15_Z01_FoH-Dry Wall MEP Services/Conduits (MEP 1st fix)	12	29-Oct-19	11-Nov-19	02-Apr-20	16-Apr-20	-125	100%	0%									
5283	RDE_L15_Z01_FoH-MEP 2nd fix	12	19-Oct-19	15-Nov-19	08-Apr-20	21-Apr-20	-125	100%	0%									
5360	RDE_L15_Z01_FoH-Close Dry Wall	12	12-Nov-19	25-Nov-19	17-Apr-20	30-Apr-20												



ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020								
										Qtr 1			Qtr 2		Qtr 3		Sep	
										Feb	Mar	Apr	May	Jun	Jul	Aug		
4642	RDE_ST-73 - Floor Screed	46	19-Aug-19	18-Sep-19	10-Jun-19A	24-Apr-20	-176	100%	87.5%									
4645	RDE_ST-73 - Permanent Hand Rail	44	16-Oct-19	30-Oct-19	17-Jun-19A	22-Apr-20	-140	100%	87.5%									
4646	RDE_ST-73 - Stair Nosing Tile	49	18-Oct-19	01-Nov-19	24-Jun-19A	28-Apr-20	-143	100%	87.5%									
4648	RDE_ST-73 - All Other Finishes (DOOR) / Make Good & Clean	50	16-Nov-19	29-Nov-19	24-Jun-19A	06-May-20	-125	100%	10%									
4641	RDE_ST-73 - Ceiling Dust Sealer	4	12-Aug-19	10-Sep-19	16-Sep-19A	05-Mar-20	-140	100%	87.5%									
<b>ST-74</b>																		
4653	RDE_ST-74 - MEP 1st fix, 2nd fix	24	26-Aug-19	09-Oct-19	02-May-19A	28-Mar-20	-138	100%	65%									
4652	RDE_ST-74 - Floor Screed	49	19-Aug-19	18-Sep-19	10-Jun-19A	28-Apr-20	-179	100%	87.5%									
4655	RDE_ST-74 - Permanent Hand Rail	54	16-Oct-19	30-Oct-19	17-Jun-19A	05-May-20	-150	100%	87.5%									
4656	RDE_ST-74 - Stair Nosing Tile	58	18-Oct-19	01-Nov-19	24-Jun-19A	09-May-20	-152	100%	87.5%									
4658	RDE_ST-74 - All Other Finishes (DOOR) / Make Good & Clean	62	16-Nov-19	29-Nov-19	24-Jun-19A	16-May-20	-134	100%	10%									
4651	RDE_ST-74 - Ceiling Dust Sealer	4	12-Aug-19	10-Sep-19	09-Sep-19A	05-Mar-20	-140	100%	87.5%									
<b>Inter-Floor Stair L9 to L12</b>																		
4787	RDE_FoH - Inter-Floor Stair L9 to L12 - Installation Works	52	24-Nov-18	29-Nov-18	09-Jan-20A	02-May-20	-420	100%	25%									
<b>Testing &amp; Commissioning</b>																		
<b>HVAC</b>																		
7645	RDE_MEP_Wild_Air - AHUSAT & LMCP SAT	26	20-Dec-19	21-Jan-20	02-May-20	01-Jun-20	-104	100%	0%									
7643	RDE_MEP_Wild_Air - Hydraulic Test (CWS/CWR) & Pipes Flushing w/ Water Sample Ti	24	06-Jan-20	10-Feb-20	14-May-20	10-Jun-20	-102	100%	0%									
7646	RDE_MEP_Wild_Air - Start Up AHU @ Each Level	12	22-Jan-20	12-Feb-20	02-Jun-20	15-Jun-20	-104	100%	0%									
7647	RDE_MEP_Wild_Air - Air Flow Test	24	13-Feb-20	11-Mar-20	16-Jun-20	15-Jul-20	-104	62.5%	0%									
7648	RDE_MEP_Wild_Air - AHU Performance Test	12	12-Mar-20	25-Mar-20	16-Jul-20	29-Jul-20	-104	0%	0%									
7651	RDE_MEP_Wild_Air - Air System Balancing	36	26-Mar-20	27-Jun-20	30-Jul-20	09-Sep-20	-62	0%	0%									
<b>Electrical &amp; Controls</b>																		
2129	RDE_POW - Test FSD Lifts with Permanenet Power	3	20-Jan-20	20-Jan-20	09-Apr-20	11-Apr-20	-64	100%	0%									
7660	RDE_POW - Power & Distribution Insulation/Polarity Checks	36	24-Dec-19	13-Feb-20	16-May-20	27-Jun-20	-113	100%	0%									
7662	RDE_POW - Power & Distribution Functional Components Test	36	09-Jan-20	27-Feb-20	30-May-20	13-Jul-20	-113	100%	0%									
7656	RDE_POW - Lighting & Control T&C	24	14-Feb-20	12-Mar-20	29-Jun-20	27-Jul-20	-113	58.33%	0%									
7659	RDE_POW - BMS Systems Test	24	14-Feb-20	12-Mar-20	29-Jun-20	27-Jul-20	-113	58.33%	0%									
7653	RDE_POW - UPS T&C	12	28-Feb-20	12-Mar-20	14-Jul-20	27-Jul-20	-113	16.67%	0%									
7657	RDE_POW - IT Systems Test	12	28-Feb-20	12-Mar-20	14-Jul-20	27-Jul-20	-113	16.67%	0%									
7658	RDE_POW - AV Systems Test	12	28-Feb-20	12-Mar-20	14-Jul-20	27-Jul-20	-113	16.67%	0%									
<b>Plumbing &amp; Drainage</b>																		
7649	RDE_P&D - Hydraulic Tests P&D	48	15-Nov-19	11-Jan-20	30-Dec-19A	27-May-20	-108	100%	35%									
7649a	RDE_P&D - Equipment Test & Pumps Rotation Checks	24			29-Apr-20	27-May-20		0%	0%									
<b>Fire Services</b>																		
7650	RDE_FS - FS Hydraulic Test Pipe Works	55	29-Nov-19	11-Jan-20	21-Nov-19A	25-May-20	-106	100%	55%									
7663	RDE_FS - FS Power & Controls Insulation/Continuity/Polarity Checks	36	24-Dec-19	13-Feb-20	15-May-20	26-Jun-20	-112	100%	0%									
7665	RDE_FS - Sprinkler System Test	24	16-Jan-20	20-Feb-20	26-May-20	22-Jun-20	-103	100%	0%									
7666	RDE_FS - AFA Devices Loop & Functional Test	24	23-Jan-20	27-Feb-20	12-Jun-20	11-Jul-20	-112	100%	0%									
7667	RDE_FS - Genset Test	12	07-Feb-20	20-Feb-20	12-Jun-20	26-Jun-20	-106	100%	0%									
<b>EXTERNAL WORKS</b>																		
<b>Construction</b>																		
<b>IPA - Portion 1</b>																		
4275	EXT_Port1 - EVA granite belt paving finishing (Defer start date to use as Temp Haul Rd)	18	01-Aug-19	28-Aug-19	01-Apr-20*	22-Apr-20	-191	100%	0%									
<b>IPA - Portion 4</b>																		
4307	EXT_Port4 - EVA granite belt paving	48	01-Aug-19	28-Aug-19	16-Sep-19A	27-Apr-20	-195	100%	90%									
<b>Along Buildings boundary</b>																		
4268	EXT_ABB - Construct Drainage slot & outlet along footpath	15	22-Oct-19	02-Dec-19	24-Feb-20A	18-Mar-20	-83	100%	5%									
4269	EXT_ABB - Reinstatement of footpath w/ U channel	24	03-Dec-19	15-Jan-20	02-Mar-20*	28-Mar-20	-56	100%	0%									
4267	EXT_ABB - Construct new road Junct. w/ sprinkler pipes/FTNS	24	16-Aug-19	12-Sep-19	16-Sep-19A	28-Mar-20	-158	100%	95%									
4266	EXT_ABB - Ext'l storm drainage (along M+ & Lyric Theatre)	32	11-Sep-19	25-Oct-19	16-Sep-19A	08-Apr-20	-132	100%	90%									
5003	EXT_ABB - (M+)'11+ & A-M+'6'-1 Lay granite belt paving	36	29-Aug-19	23-Nov-19	17-Oct-19A	13-Apr-20	-111	100%	30%									
5001	EXT_ABB - A-M+'13+--14+ Lay and compact sub-base	24	29-Mar-19	27-Jun-19	22-Nov-19A	28-Mar-20	-223	100%	60%									
5002	EXT_ABB - A-M+'13+--14+ Lay concrete planks	36	01-Nov-19	27-Dec-19	04-Dec-19A	13-Apr-20	-83	100%	25%									
<b>COMPLETION STATUTORY INSPECTIONS &amp; APPROVALS</b>																		
<b>Basement, Podium, M+ Tower &amp; CSF Building</b>																		
<b>CLP/HKE; EMSD</b>																		
1756	Lifts & Esc - EMSD Inspection	24	30-Nov-19	28-Dec-19	23-Mar-20	20-Apr-20	-88	100%	0%									
7427	Fireman's Lifts - EMSD Inspection	24	21-Sep-19	22-Oct-19	13-Mar-20	10-Apr-20	-138	100%	0%									
<b>DSD</b>																		
1167	Drainage - Last Manhole Connection	12	03-Dec-19	16-Dec-19	09-Apr-20	22-Apr-20	-100	100%	0%									
1168	Drainage - DSD Audit Checked	12	03-Dec-19	16-Dec-19	09-Apr-20	22-Apr-20	-100	100%	0%									
1169	Drainage - Inspection of Last Manhole	6	17-Dec-19	23-Dec-19	23-Apr-20	29-Apr-20	-100	100%	0%									
<b>WSD</b>																		
1172	Plumbing/Potable/Flushing Water - WA Inspection	6	15-Oct-19	21-Oct-19	02-Mar-20	07-Mar-20	-110	100%	0%									
1174	Plumbing/Potable/Flushing Water - Water Connection & Water Meter Installation	6	29-Oct-19	04-Nov-19	16-Mar-20	21-Mar-20	-110	100%	0%									
1190	Plumbing/Potable/Flushing Water - WSD Inspection	24	05-Nov-19	16-Dec-19	23-Mar-20	20-Apr-20	-98	100%	0%									
7454	FS Water - WA Inspection	6	26-Oct-19	01-Nov-19	02-Mar-20	07-Mar-20	-100	100%	0%									
7455	FS Water - Water Connection & Water Meter Installation	6	02-Nov-19	08-Nov-19	09-Mar-20	14-Mar-20	-100	100%	0%									
WSD	FS Water - WSD Inspection	24	09-Nov-19	06-Dec-19	16-Mar-20	13-Apr-20	-100	100%	0%									
<b>FSD &amp; BD</b>																		
FSD2a	FSD - FSD Informal Pre-inspection (at FSD Discretion. No separate form 501 allowed by	18	19-Dec-19	10-Jan-20	14-Mar-20	03-Apr-20	-65	100%	0%									
FSD2	FSD - FSD MAIN Inspection/Re-Inspection/Remedial Works - BASEMENT & PODIUM	36	20-Dec-19	23-Mar-20	14-May-20	24-Jun-20	-78	73.61%	0%									
FSD2b	FSD - FSD MAIN Inspection/Re-Inspection/Remedial Works - M+ TOWER	36	03-Jan-20	23-Jan-20	14-May-20	24-Jun-20	-122	100%	0%									
BD	BD - Inspection/Re-Inspection	24	25-Feb-20	23-Mar-20	28-May-20	24-Jun-20	-78	20.83%	0%									
<b>RDE Building</b>																		
<b>CLP/HKE; EMSD</b>																		
7478a	RDE_Fireman's Lifts - Submit F5 & EMSD Inspection LT_55	12			16-Mar-20	28-Mar-20		0%	0%									
7475	RDE_Lifts & Esc - EMSD Inspection	12	14-Feb-20	27-Feb-20	30-May-20	12-Jun-20	-89	100%	0%									
7478	RDE_Fireman's Lifts - EMSD Inspection	12	23-Jan-20	13-Feb-20	13-Apr-20	25-Apr-20	-61	100%	0%									
<b>DSD</b>																		
7466	RDE_Drainage - Last Manhole Connection	12	02-Nov-19	15-Nov-19	16-Mar-20	28-Mar-20	-106	100%	0%									
7468	RDE_Drainage - Inspection of Last Manhole	6	16-Nov-19	22-Nov-19	30-Mar-20	06-Apr-20	-106	100%	0%									
<b>WSD</b>																		
7471	RDE_Plumbing/Potable/Flushing Water - WA Inspection	6	20-Dec-19	27-Dec-19	09-May-20	15-May-20	-110	100%	0%									
7473	RDE_Plumbing/Potable/Flushing Water - Water Connection & Water Meter Installation	6	06-Jan-20	11-Jan-20	23-May-20	29-May-20	-110	100%	0%									
7491	RDE_Plumbing/Potable/Flushing Water - WSD Inspection	24	13-Jan-20	17-Feb-20	30-May-20	27-Jun-20	-110	100%	0%									
7493	RDE_FS Water - WA Inspection	6	28-Dec-19	04-Jan-20	12-May-20	18-May-20	-106	100%	0%									
7494	RDE_FS Water - Water Connection & Water Meter Installation	6	06-Jan-20	11-Jan-20	19-May-20	25-May-20	-106	100%	0%									
7496	RDE_FS Water - WSD Inspection	24	13-Jan-20	17-Feb-20	26-May-20	22-Jun-20	-106	100%	0%									
<b>FSD &amp; BD</b>																		
7463	RDE DG - FSD Regional Office Inspection (FSI Gen_Set & Fuel Tanks)	6	02-Jan-20	08-Jan-20	25-Apr-20	02-May-20	-90	100%	0%									
RDE_FSD	RDE_FSD - FSD Inspection/Re-Inspection/Remedial Works (layouts & systems)	48	28-Feb-20	24-Apr-20	13-Jul-20	05-Sep-20	-112	4.17%	0%									
RDE_BD	RDE_BD - Inspection/Re-Inspection	24	25-Apr-20	23-May-20	17-Aug-20	12-Sep-20	-94	0%	0%									

**L1**



Activity ID	Activity Name	Start Date	Finish Date	2020			
				Mar 27	Apr 28	May 29	Jun 30
<b>L1 Contract for Lyric Theatre Complex (3MRP)</b>							
<b>Cost Centre B - Excavation and Lateral Support (ELS) Stage 2</b>							
<b>Excavation and ELS Works (Stage 2)</b>							
CB161070	[South - Area 1 & 2] Install 6th Layer of Strut S6 ->incl. pre-load	26-Feb-20 A	28-Mar-20 A	█			
CB161100	[South - Area 1 & 2] Excavate East Berm to Formation Level -14.2mPD	09-Mar-20 A	15-Apr-20	█	█		
CB161200	[South - Area 1 & 2] Pile Head Treatment at East (14 nr BP)	13-Mar-20 A	25-Apr-20	█	█		
<b>Cost Centre C - Basement</b>							
<b>Cost Centre C1 - Essential Basement Structure (Excl. AET Protection &amp; Box Culvert)</b>							
<b>Central Area (GL. M1-X1 / 62-70.1)</b>							
CC100440	[South - L01] Construct Central B1 Beam & Slab	06-Dec-19 A	09-Apr-20	█	█		
CC100510	[South - L01] Construct B1-B1M Central Columns & Structural Walls	24-Feb-20 A	23-Apr-20	█	█		
CC100520	[South - L01] Construct B1M Central Beam & Slab	24-Apr-20	13-Jun-20			█	█
CC100560	[South - L01] Construct B1M- G/F Central Columns & Structural Walls	15-Jun-20	04-Aug-20				█
<b>South / West Area (GL. W1-AA1 / 62-71 &amp; M1-AA1 / 68.1-71)</b>							
CC100220	[South - L01] Construct South / West Pile Cap / B2 Slab at -12.4mPD	22-Dec-19 A	13-Mar-20 A	█			
CC100405	[South - L01] Remove Strut Layer S5 West	08-Feb-20 A	15-Feb-20 A				
CC100406	[South - L01] Remove Strut Layer S5 South	14-Mar-20 A	09-Apr-20	█	█		
CC100408a	[South - L01] Construct B2-B1 South / West Basement Wall 1st Pour	14-Mar-20 A	18-Apr-20	█	█		
CC100410a	[South - L01] Remove Strut Layer S4 South / West	15-Apr-20	29-Apr-20		█		
CC100410b	[South - L01] Construct B2-B1 South / West Basement Wall to bottom of S3	18-Apr-20	04-May-20		█		
CC100410c	[South - L01] Install Re-prop	29-Apr-20	13-May-20		█		
CC100410d	[South - L01] Remove Strut Layer S3 South / West	14-May-20	28-May-20		█		
CC100410e	[South - L01] Construct B2-B1 South / West Internal Walls / Columns	29-May-20	17-Jun-20			█	█
CC100415	[South - L01] Construct Mega Columns / Walls Supporting Wall Beam WF	21-Feb-20 A	07-Apr-20	█	█		
CC100418	[South - L01] Construct Beam & Slab Supporting Wall Beam WF	16-Mar-20 A	14-Apr-20	█	█		
CC100419	[South - L01] Construct Mega Columns & Walls up to Soffit Wall Beam WF	23-Mar-20 A	17-Apr-20	█	█		
CC100485a	[South - L01] Construct B1 South / West Beam & Slab	13-Jun-20	09-Jul-20				█

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				Mar	Apr	May	Jun
				27	28	29	30
CC100505	[South - L01] Remove Strut Layer S3 & S2 South / West	20-Jun-20	27-Jul-20				
<b>East Area (GL. M1-A1 / 60-62)</b>							
CC100290	[South - L01] Blinding Layer for Pile Cap / B2 Slab at East	27-Feb-20 A	07-May-20	█	█		
CC100300	[South - L01] Construct East Pile Cap / B2 Slab at -14.2mPD	04-Mar-20 A	22-May-20	█	█		
CC100305	[South/North] BA14 Completion of Pile Cap - BD Submission & Acknowledgement	23-May-20	29-May-20			█	
CC100400	[South - L01] Remove Strut Layer S6 East	06-May-20	29-May-20			█	
CC100400a	[South - L01] Construct B2-B1 East Internal Walls & Columns	21-May-20	15-Jun-20			█	
CC100400b	[South - L01] Construct B2-B1 Basement Wall to bottom of S4	15-May-20	04-Jun-20			█	
CC100400c	[South - L01] Install Re-prop	05-Jun-20	10-Jun-20				█
CC100400d	[South - L01] Remove Strut Layer S4 East	11-Jun-20	26-Jun-20				█
CC100400e	[South - L01] Construct B2-B1 Basement Wall to Soffit of B1	19-Jun-20	11-Jul-20				█
<b>North Area (GL. B1-M1 / 59.1 - 69)</b>							
CC101600	[North - L04] Remove Strut Layer S4 (Phase 2, affected by IC18)	23-Dec-19 A	09-Apr-20	█			
CC101665	[North - L04] Construct B2-B1 Columns (West)	07-Nov-19 A	09-Apr-20	█			
CC101675	[North - L04] Construct B2-B1 Internal Walls	12-Jan-20 A	15-Apr-20	█			
CC101685	[North - L04] Construct B2-B1 Perimeter Walls / Mega Columns (West)	06-Jan-20 A	15-Apr-20	█			
CC101700	[North - L04] Construct B2-B1 Perimeter Walls & Columns (East)	19-Jan-20 A	17-Apr-20	█			
CC101780	[North - L04] Construct B1 Beam & Slab	13-Jan-20 A	24-Apr-20	█			
CC101800	[North - L04] Remove Strut Layer S3 & S2	15-Apr-20	21-May-20		█		
CC101835	[North - L04] Construct B1-G/F Columns	12-May-20	03-Jun-20			█	
CC101845	[North - L04] Construct B1-G/F Internal Wall	20-May-20	11-Jun-20			█	
CC101855	[North - L04] Construct B1-G/F Perimeter Walls / Mega Columns (GL K1-G1/68-65.1)	30-May-20	19-Jun-20			█	
CC101865	[North - L04] Construct B1-G/F Perimeter Walls / Mega Columns (GL G1-C1/65.1-63.1)	08-Jun-20	29-Jun-20				█
CC101870	[North - L04] Construct B1-G/F Perimeter Walls & Columns (GL C1/63.1-59.1)	16-Jun-20	08-Jul-20				█
CC101900	[North - L04] Construct G/F Beam & Slab	02-Jun-20	29-Jul-20				█
<b>Area 6</b>							

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Activity ID	Activity Name	Start Date	Finish Date	2020			
				Mar	Apr	May	Jun
				27	28	29	30
CC102420	[Area 6 - L06] Construct B1-B1M Columns & Structural Walls	10-Dec-18 A	03-Apr-20				
CC102430	[Area 6 - L06] Construct B1M Beam & Slab	14-Jan-19 A	15-Apr-20				
CC102510	[Area 6 - L06] Construct B1M- G/F Columns & Structural Walls	13-May-19 A	18-Apr-20				
<b>Cost Centre C3 - AET Protection</b>							
<b>Design &amp; Submission</b>							
CC300070	Revise Design Calculation, Method Statement, Material Submission	02-Jan-20 A	08-Apr-20				
CC300075	CA Review Design Calc, Method Statement, Material Submission & Approve	25-Feb-20 A	15-Apr-20				
CC300080	Procure Material / Equipment (Strands / Jacks) & Deliver to Site	29-Feb-20 A	18-Apr-20				
<b>Wall Beam WF</b>							
CC300190a	WF: Stage 1.1 - Install Temporary Bearing	20-Apr-20	22-Apr-20				
CC300190b	WF: Stage 1.2 - Install Sand Layer & Soffit Formwork	27-Mar-20 A	03-Apr-20				
CC300190c	WF: Stage 1.3 - Cast Extended Base Slab	06-Apr-20	23-Apr-20				
CC300190d	WF: Stage 1.4 - Cast Wall Stem	24-Apr-20	02-May-20				
CC300200	WF: Stage 1.5 - Apply Pre-stress	04-May-20	07-May-20				
CC300205a	WF: Stage 2.1 - Washout Sand Layer	08-May-20	11-May-20				
CC300205b	WF: Stage 2.2 - Cast Side Section against ECM	12-May-20	22-May-20				
CC300210	WF: Stage 2.3 - Apply Pre-stress	23-May-20	27-May-20				
CC300215	WF: Stage 3.1 - Cast Remaining Side Section	28-May-20	10-Jun-20				
CC300220	WF: Stage 3.2 - Apply Pre-stress	11-Jun-20	15-Jun-20				
CC300225a	WF: Stage 4.1 - Cast Topping	16-Jun-20	19-Jun-20				
CC300225b	WF: Stage 4.2 - Apply Pre-stress	20-Jun-20	24-Jun-20				
CC300225d	WF: Stage 5.1 - Cast Column Monolithic Connection	26-Jun-20	29-Jun-20				
CC300225e	WF: Stage 5.2 - Pressure Grout at Temporary Bearing	30-Jun-20	30-Jun-20				
<b>Wall Beam W2</b>							
CC300795a	W2: Stage 1.1 - Install Temporary Bearing	25-Apr-20	28-Apr-20				
CC300795b	W2: Stage 1.2 - Install Sand Layer & Soffit Formwork	25-Apr-20	05-May-20				

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				Mar	Apr	May	Jun
				27	28	29	30
CC300795c	W2: Stage 1.3 - Cast Extended Base Slab	06-May-20	20-May-20			■	
CC300795d	W2: Stage 1.4 - Cast Wall Stem	21-May-20	27-May-20			■	
CC300800	W2: Stage 1.5 - Apply Pre-stress	28-May-20	01-Jun-20				■
CC300805a	W2: Stage 2.1 - Washout Sand Layer	02-Jun-20	04-Jun-20				■
CC300805b	W2: Stage 2.2 - Cast Side Section against ECM	05-Jun-20	16-Jun-20				■
CC300810	W2: Stage 2.3 - Apply Pre-stress	17-Jun-20	20-Jun-20				■
CC300815	W2: Stage 3.1 - Cast Remaining Side Section	22-Jun-20	07-Jul-20				■
<b>Wall Beam W1</b>							
CC300695a	W1: Stage 1.1 - Install Temporary Bearing	25-Apr-20	28-Apr-20		■		
CC300695b	W1: Stage 1.2 - Install Sand Layer & Soffit Formwork	25-Apr-20	05-May-20		■		
CC300695c	W1: Stage 1.3 - Cast Extended Base Slab	06-May-20	20-May-20			■	
CC300695d	W1: Stage 1.4 - Cast Wall Stem	21-May-20	27-May-20			■	
CC300700	W1: Stage 1.5 - Apply Pre-stress	28-May-20	01-Jun-20				■
CC300705a	W1: Stage 2.1 - Washout Sand Layer	02-Jun-20	04-Jun-20				■
CC300705b	W1: Stage 2.2 - Cast Side Section against ECM	05-Jun-20	16-Jun-20				■
CC300710	W1: Stage 2.3 - Apply Pre-stress	17-Jun-20	20-Jun-20				■
CC300715	W1: Stage 3.1 - Cast Remaining Side Section	22-Jun-20	07-Jul-20				■
<b>Wall Beam WB</b>							
CC300595a	WB: Stage 1.1 - Install Temporary Bracing	05-Jun-20	09-Jun-20				■
CC300595b	WB: Stage 1.2 - Install Temporary Corbel & Bearing	10-Jun-20	13-Jun-20				■
CC300600	WB: Stage 1.3 - Install Sand Layer & Soffit Formwork	15-Jun-20	18-Jun-20				■
CC300605a	W2: Stage 2.1 - Cast Extended Base Slab	19-Jun-20	27-Jun-20				■
CC300605b	W2: Stage 2.2 - Cast Wall Stem	29-Jun-20	07-Jul-20				■
<b>Cost Centre D - Public Infrastructure Works (PIW)</b>							
<b>Cost Centre D2 - Austin Road West Lay-by</b>							
<b>Cost Centre D2.1 Roadworks and Remaining</b>							
<b>MC30-Ch.170 to MC30-Ch.150</b>							

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Activity ID	Activity Name	Start Date	Finish Date	2020			
				Mar 27	Apr 28	May 29	Jun 30
CD210730	MC30-Ch170-150: Roadworks & Footpath	30-Jan-19 A	14-Apr-20				
CD210750	MC30-Ch170-150: Install Street Furniture & Lighting	15-Apr-20	07-May-20				
<b>MC30-Ch.150 to MC30-Ch.100</b>							
CD210650	MC30-Ch150-100: Install Street Furniture & Lighting	08-May-20	28-May-20				
<b>MC30-Ch.100 to MC30-Ch.50</b>							
CD210530	MC30-Ch100-50: Roadworks & Footpath	11-Jul-19 A	07-Mar-20 A				
CD210535	MC30-Ch100-50: Maintenance Staircase	01-Apr-20	25-Apr-20				
CD210550	MC30-Ch100-50: Install Street Furniture & Lighting	29-May-20	18-Jun-20				
<b>MC30-Ch.50 to MC30-Ch.00</b>							
CD210430	MC30-Ch50-00: Roadworks & Footpath	17-Jan-20 A	29-Apr-20				
CD210450	MC30-Ch50-00: Install Street Furniture & Lighting	19-Jun-20	11-Jul-20				
<b>MC20-Ch.140 to MC20-Ch.100</b>							
CD210310	MC20-Ch140-100: Road Drainage (WL1.12 to WL1.9)	06-Jun-19 A	29-Apr-20				
CD210320	MC20-Ch140-100: DN450 Freshwater (0+14 - 0+00)	17-Feb-20 A	08-Apr-20				
CD210325	MC20-Ch140-100: DN450 Salt Water (0+12 - 0+00)	17-Feb-20 A	08-Apr-20				
CD210330	MC20-Ch140-100: Roadworks & Footpath	02-May-20	12-Jun-20				
<b>Cost Centre D2.2 Drainage</b>							
<b>MC20-Ch.140 to MC20-Ch.00</b>							
CD220190	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1B) - 30m	02-Jul-19 A	15-Apr-20				
CD230200	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A) - 35m	25-Apr-20	15-Jun-20				
<b>Cost Centre D2.3 Sewerage</b>							
<b>MC20-Ch.140 to MC20-Ch.00</b>							
CD230160	MC20-Ch140-00: 450mm dia Sewer (F1.6B to F1.6A) - 16m	16-Jun-20	08-Jul-20				
<b>Cost Centre E - Miscellaneous Works</b>							
<b>Cost Centre E1 - DCS Outfall (Construct With Box Culvert Outfall)</b>							
<b>Cost Centre E1.1 - DCS Outfall Excavation</b>							
CE110815	Prepare Precast Design & Submit to CA (DCS Outfall)	30-Mar-20 A	02-May-20				
CE110820	CA Review Precast Design & Submit to DSD (DCS Outfall)	04-May-20	16-May-20				

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Activity ID	Activity Name	Start Date	Finish Date	2020			
				Mar	Apr	May	Jun
				27	28	29	30
CE110825	DSD Review Precast Design & Comment (DCS Outfall)	18-May-20	13-Jun-20				
CE110830	Revise Precast Design & Submit to CA/ DSD (DCS Outfall)	15-Jun-20	29-Jun-20				
CE110835	DSD Review Amended Precast Design & Approve (DCS Outfall)	30-Jun-20	28-Jul-20				
<b>Cost Centre E2 - External Utilities</b>							
<b>Cost Centre E2.1 - External Utilities - Drainage</b>							
CE210320	N: Install 600mm dia Storm Drainage (DMH1.2 to DMH1.2A) - 21m	01-Apr-20	05-May-20				
CE210330	N: Install 300mm dia Storm Drainage (DMH1.5 to DMH1.2) - 5m	10-Mar-20 A	21-Mar-20 A				
CE210340	N: Install 450mm dia Storm Drainage (DMH1.1 to DMH1.2) - 3m	06-May-20	19-May-20				
CE210410	N: Install 600mm dia Storm Drainage (DMH1.2A to DMH1.3) - 10m	20-May-20	02-Jun-20				
CE210420	N: Install 600mm dia Storm Drainage (DMH1.3 to SF1.1A) - 28m	16-Jun-20	17-Jul-20				
CE210520	N: Install 300mm dia Sewerage (SMH1.3 to SMH1.3A) - 20m	09-Mar-20 A	21-Mar-20 A				
CE210530	N: Install 300mm dia Sewerage (SMH1.3A to F1.3) - 12m	06-May-20	26-May-20				
CE210540	N: Install 300mm dia Sewerage (SMH1.1 to F1.5) - 18m	01-Aug-20	21-Aug-20				
<b>Cost Centre E2.2 - External Utilities - Water Works</b>							
CE220210	N: Install DN150 FR.N.P. Freshwater Main (FW) at GL 70 to 69 (12m)	27-May-20	23-Jun-20				
CE220220	N: Install DN100 F.S.P. Freshwater Main (Fire) at Grid 70 to 69 (12.3m)	27-May-20	23-Jun-20				
CE220230	N: Install DN100 FL.W.P. Saltwater Main at Grid 70 to 69 (13.7m)	27-May-20	23-Jun-20				

- Remaining Work
- Critical Remaining Work
- Actual Work
- Milestone

Project ID: L13MRP-20200331  
Layout: L1-3MRP (Env)  
Page: 6 of 6

**West Kowloon Cultural District Authority**  
**L1 Contract for Lyric Theatre Complex & Extended Basement**  
**Three Month Rolling Programme (3MRP) - Status as of 31 Mar 2020**



**L2**

# Mark up Rolling Programme (as of 20 Mar 2020)

Work Item	2019												2020			
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1 <u>Visual Mock Up</u>																
a) Material and shop drawing submission & approval																
b) Identify Location, Install VMU, Inspection/ Approval																
2 <u>PTMD and CPMD Compliance Review</u>																
3 <u>Major E&amp;M Submissions</u>																
a) Submission of CSD & CBWD LTC																
4 <u>DfMA Development (MEP Module)</u>																
a) DfMA Development - LB2																
b) DfMA Development - LB1 and LB1M																
5 <u>Main Contractor's Design Item</u>																
a) Façade shop drawings submission/ resubmission																
b) Stage Lighting Design Coordination																
c) AV Design Coordination																
d) Stage Machinery Design Coordination																
6 <u>MT Steel Truss Shop Drawings Submission and Approval</u>																
7 <u>LTC Construction</u>																
VIS Installation																
B2 Construction																
B2U/F and B1L/F Construction																
B1 Construction																
B1M Construction																
L00 Construction																
8 <u>Extended Basement</u>																
Builder's Works in Extended Basement (South)																
BS Installation (South B2)																
Builder's Works in Extended Basement (North)																
BS Installation (North B2)																
9 <u>DCS Cofferdam A</u>																
DCS Cofferdam A - Section 1																
DCS Cofferdam A - Section 2																
10 <u>Remaining Works for M+ Promenade</u>																
11 <u>Modification to Existing Pump Cell</u>																
Reprovision of Sea Water Pump Cell																
Modification of Extg Pump Cell, & Connection to New Pump Cell																

## Note

- VMU:** Delayed pending for design and material finalisation. VMU completion deadline moved by agreement.
- MEP:** Shop drawings submission dependent on resolution of BIM coordination issues and CAI issues.
- DfMA:** Delay due to CAI-026, CAI-031, L1 CAI-074 and L1 CAI-077, those are resolved with impact.  
L1 CAI-079 and L2 CAI-057 are under co-ordination
- Façade:** Delay due to unfrozen design and design changes.
- DCS, Remaining Works for M+ Promenade, Reprovision of Pump Cell:** Delay due to absence of site possession.



## **C. Action and Limit Levels for Construction Phase**

## Air Quality

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

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

Monitoring Station	Action Level (mg/m <sup>3</sup> )	Limit Level (mg/m <sup>3</sup> )
AM1	273.7	500
AM2B	274.2	500

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

Monitoring Station	Action Level (µg/m <sup>3</sup> )	Limit Level (µg/m <sup>3</sup> )
AM1	143.6	260
AM2B	151.1	260

## Noise

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

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

Time Period & Monitoring Locations	Action Level	Limit Level
NM1A 0700-1900 hours on normal weekdays	When one valid documented complaint is received.	75 dB(A)

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

## Air Quality

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

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

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

**Event****Action**

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2. Exceedance for two or more consecutive samples	1. Notify IEC, WKCDA, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and WKCDA to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and WKCDA informed of the results; 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss amongst WKCDA, ET, and Contractor on the potential remedial actions; 4. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the WKCDA accordingly; 5. Monitor the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree on the remedial measures to be implemented; 4. Ensure remedial measures properly implemented; 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within three working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 5. Stop the relevant portion of works as determined by the WKCDA until the exceedance is abated.
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## Construction Noise

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

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

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

## Landscape and Visual Impact

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

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

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

## **E. Monitoring Schedule**



# MARCH 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 M+ Landscape & Visual Inspection	4	5 AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	6	7
8	9	10	11 AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring Lyric Landscape & Visual Inspection	12	13	14
15	16	17 AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring M+ Landscape & Visual Inspection	18	19	20	21
22	23 AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	24	25 Lyric Landscape & Visual Inspection	26	27 AM1, AM2B - 24hrTSP, 1hr TSP x3	28
29	30	31 M+ Landscape & Visual Inspection				
		<b>Notes:</b> <b>AM1 - International Commerce Centre (ICC)</b> <b>AM2B - 1st Floor of Gammon's Site Office</b> <b>NM1A - International Commerce Centre (ICC)</b>				

# APRIL 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			<b>1</b>	<b>2</b> AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	<b>3</b>	<b>4</b>
<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b> AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	<b>9</b>	<b>10</b>	<b>11</b>
<b>12</b>	<b>13</b>	<b>14</b> AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b> AM1, AM2B - 24hrTSP, 1hr TSP x3
<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b> AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	<b>25</b>
<b>26</b>	<b>27</b>	<b>28</b> AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	<b>29</b>	<b>30</b>		
		<b>Notes:</b> <b>AM1 - International Commerce Centre (ICC)</b> <b>AM2B - 1st Floor of Gammon's Site Office</b> <b>NM1A - International Commerce Centre (ICC)</b>				

## F. Calibration Certifications

High-Volume TSP Sampler  
5-Point Calibration Record

Location : AM1 (ICC)  
 Calibrated by : K.T.Ho  
 Date : 20/01/2020

Sampler

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

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454  
 Service Date : 25 February 2019  
 Slope (m) : 2.07076  
 Intercept (b) : -0.02917  
 Correlation Coefficient(r) : 1.00000

Standard Condition

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

Calibration Condition

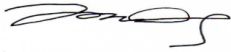
Pa (hpa) : 1019  
 Ta(K) : 293

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1   18 holes	11.2	3.385	1.649	58	58.67
2   13 holes	8.2	2.896	1.413	50	50.57
3   10 holes	6.2	2.519	1.230	42	42.48
4   7 holes	4.4	2.122	1.039	32	32.37
5   5 holes	2.6	1.631	0.802	20	20.23

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

Sampler Calibration Relationship

Slope(m): 45.930                      Intercept(b): -15.468                      Correlation Coefficient(r): 0.9960

Checked by:   
 \_\_\_\_\_  
 Magnum Fan

Date: 21/01/2020

High-Volume TSP Sampler  
5-Point Calibration Record

Location : AM2B (Gammon Office)  
 Calibrated by : K.T.Ho  
 Date : 20/01/2020

Sampler

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

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454  
 Service Date : 25 February 2019  
 Slope (m) : 2.07076  
 Intercept (b) : -0.02917  
 Correlation Coefficient(r) : 1.00000

Standard Condition

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

Calibration Condition

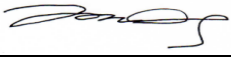
Pa (hpa) : 1019  
 Ta(K) : 293

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1   18 holes	12.4	3.562	1.734	62	62.71
2   13 holes	9.0	3.034	1.479	56	56.64
3   10 holes	6.4	2.559	1.250	46	46.53
4   7 holes	4.2	2.073	1.015	32	32.37
5   5 holes	2.2	1.500	0.739	22	22.25

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

Sampler Calibration Relationship

Slope(m): 42.777      Intercept(b): -9.089      Correlation Coefficient(r): 0.9910

Checked by:   
 \_\_\_\_\_  
 Magnum Fan

Date: 21/01/2020



RECALIBRATION

DUE DATE:

February 25, 2020

# Certificate of Calibration

## Calibration Certification Information

Cal. Date: February 25, 2019      Rootsmeter S/N: 438320      Ta: 294      °K  
 Operator: Jim Tisch      Pa: 762.0      mm Hg  
 Calibration Model #: TE-5025A      Calibrator S/N: 2454

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4400	3.2	2.00
2	3	4	1	1.0200	6.4	4.00
3	5	6	1	0.9120	7.9	5.00
4	7	8	1	0.8700	8.8	5.50
5	9	10	1	0.7180	12.8	8.00

## Data Tabulation

Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H \left( \frac{Pa}{Pstd} \right) \left( \frac{Tstd}{Ta} \right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H \left( \frac{Ta}{Pa} \right)}$ (y-axis)
1.0120	0.7028	1.4257	0.9958	0.6915	0.8784
1.0077	0.9880	2.0162	0.9916	0.9722	1.2423
1.0057	1.1028	2.2542	0.9896	1.0851	1.3889
1.0045	1.1546	2.3642	0.9885	1.1362	1.4567
0.9992	1.3916	2.8513	0.9832	1.3694	1.7569
<b>QSTD</b>	<b>m= 2.07076</b>		<b>QA</b>	<b>m= 1.29667</b>	
	<b>b= -0.02917</b>			<b>b= -0.01797</b>	
	<b>r= 1.00000</b>			<b>r= 1.00000</b>	

## Calculations

$Vstd = \Delta Vol \left( \frac{Pa - \Delta P}{Pstd} \right) \left( \frac{Tstd}{Ta} \right)$	$Va = \Delta Vol \left( \frac{Pa - \Delta P}{Pa} \right)$
$Qstd = Vstd / \Delta Time$	$Qa = Va / \Delta Time$
For subsequent flow rate calculations:	
$Qstd = 1/m \left( \left( \sqrt{\Delta H \left( \frac{Pa}{Pstd} \right) \left( \frac{Tstd}{Ta} \right)} \right) - b \right)$	$Qa = 1/m \left( \left( \sqrt{\Delta H \left( \frac{Ta}{Pa} \right)} \right) - b \right)$

## Standard Conditions

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)

Pa: actual barometric pressure (mm Hg)

b: intercept

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

High-Volume TSP Sampler  
5-Point Calibration Record

Location : AM1 (ICC)  
 Calibrated by : K.T.Ho  
 Date : 20/03/2020

Sampler

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

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454  
 Service Date : 18 February 2020  
 Slope (m) : 2.07134  
 Intercept (b) : -0.040910  
 Correlation Coefficient(r) : 0.99999

Standard Condition

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

Calibration Condition

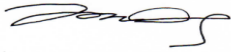
Pa (hpa) : 1015  
 Ta(K) : 297

Resistance Plate		dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1	18 holes	11.2	3.361	1.642	58	58.25
2	13 holes	8.2	2.876	1.408	50	50.22
3	10 holes	6.2	2.501	1.227	42	42.18
4	7 holes	4.4	2.107	1.037	32	32.14
5	5 holes	2.6	1.619	0.802	20	20.09

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

Sampler Calibration Relationship

Slope(m): 45.943                      Intercept(b): -15.624                      Correlation Coefficient(r): 0.9960

Checked by:   
 Magnum Fan

Date: 23/03/2020

High-Volume TSP Sampler  
5-Point Calibration Record

Location : AM2B (Gammon Office)  
 Calibrated by : K.T.Ho  
 Date : 20/03/2020

Sampler

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

Calibration Orifice and Standard Calibration Relationship

Serial Number : 2454  
 Service Date : 18 February 2020  
 Slope (m) : 2.07134  
 Intercept (b) : -0.040910  
 Correlation Coefficient(r) : 0.99999

Standard Condition

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

Calibration Condition

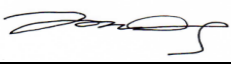
Pa (hpa) : 1015  
 Ta(K) : 297

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1   18 holes	12.0	3.479	1.699	60	60.26
2   13 holes	9.0	3.013	1.474	56	56.24
3   10 holes	6.6	2.580	1.265	48	48.21
4   7 holes	4.0	2.009	0.990	34	34.15
5   5 holes	2.0	1.420	0.705	24	24.10

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

Sampler Calibration Relationship

Slope(m): 38.403      Intercept(b): -2.521      Correlation Coefficient(r): 0.9906

Checked by:   
 \_\_\_\_\_  
 Magnum Fan

Date: 23/03/2020





RECALIBRATION DUE DATE: February 18, 2021
---

## Certificate of Calibration

Calibration Certification Information			
Cal. Date: February 18, 2020	Rootmeter S/N: 438320	Ta: 29.4 °K	
Operator: Jim Tisch		Pa: 753.1 mm Hg	
Calibration Model #: TE-5025A	Calibrator S/N: 2454		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4190	3.2	2.00
2	3	4	1	1.0100	6.4	4.00
3	5	6	1	0.9020	7.9	5.00
4	7	8	1	0.8600	8.8	5.50
5	9	10	1	0.7110	12.7	8.00

Data Tabulation					
Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H \left( \frac{Pa}{Pstd} \right) \left( \frac{Tstd}{Ta} \right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H (Ta/Pa)}$ (y-axis)
1.0001	0.7048	1.4173	0.9958	0.7017	0.8836
0.9959	0.9860	2.0044	0.9915	0.9817	1.2496
0.9939	1.1019	2.2410	0.9895	1.0970	1.3971
0.9927	1.1543	2.3504	0.9883	1.1492	1.4653
0.9875	1.3889	2.8347	0.9831	1.3828	1.7672
QSTD	m=	2.07134	QA	m=	1.29704
	b=	-0.04091		b=	-0.02551
	r=	0.99999		r=	0.99999

Calculations	
$Vstd = \Delta Vol [(Pa - \Delta P) / Pstd] (Tstd / Ta)$	$Va = \Delta Vol [(Pa - \Delta P) / Pa]$
$Qstd = Vstd / \Delta Time$	$Qa = Va / \Delta Time$
For subsequent flow rate calculations:	
$Qstd = 1/m \left( \sqrt{\Delta H \left( \frac{Pa}{Pstd} \right) \left( \frac{Tstd}{Ta} \right)} - b \right)$	$Qa = 1/m \left( \sqrt{\Delta H (Ta/Pa)} - b \right)$

Standard Conditions	
Tstd	298.15 °K
Pstd	760 mm Hg
Key	
ΔH	calibrator manometer reading (in H2O)
ΔP	rootmeter manometer reading (mm Hg)
Ta	actual absolute temperature (°K)
Pa	actual barometric pressure (mm Hg)
b	intercept
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



## ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

### SUB-CONTRACTING REPORT

CONTACT	: MR K.W. FAN	WORK ORDER	: <b>HK1950885</b>
CLIENT	: ENVIROTECH SERVICES CO.		
ADDRESS	: RM113, 1/F, MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T. HONG KONG	SUB-BATCH	: 1
		DATE RECEIVED	: 3-DEC-2019
		DATE OF ISSUE	: 13-DEC-2019
PROJECT	: ----	NO. OF SAMPLES	: 1
		CLIENT ORDER	: ----

#### General Comments

- Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition. The result(s) related only to the item(s) tested.
- Sample information (Project name, Sample ID, Sampling date/time, etc., if any) is provided by client.
- Calibration was subcontracted to and analysed by Action United Enviro Services.

#### Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories

Position

Richard Fung

Managing Director

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

ALS Technichem (HK) Pty Ltd  
Part of the ALS Laboratory Group

11/F, Chung Shun Knitting Centre 1 - 3 Wing Yip Street Kwai Chung N.T. Hong Kong  
Tel. +852 2610 1044 Fax. +852 2610 2021 www.alsglobal.com

WORK ORDER : HK1950885  
SUB-BATCH : 1  
CLIENT : ENVIROTECH SERVICES CO.  
PROJECT : ----



ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK1950885-001	S/N: 235780	Equipments	03-Dec-2019	235780

## Equipment Verification Report (TSP)

### Equipment Calibrated:

Type: Laser Dust monitor  
 Manufacturer: Sibata LD-3B  
 Serial No. 235780  
 Equipment Ref: Nil  
 Job Order HK1950885

### Standard Equipment:

Standard Equipment: Higher Volume Sampler (TSP)  
 Location & Location ID: AUES office (calibration room)  
 Equipment Ref: HVS 018  
 Last Calibration Date: 3 December 2019

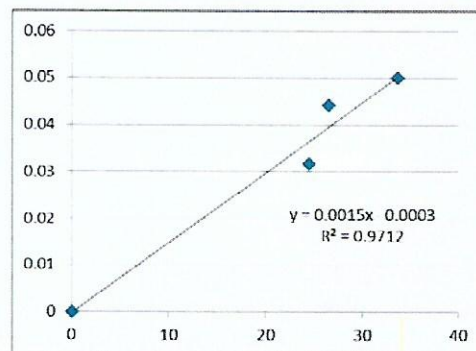
### Equipment Verification Results:

Verification Date: 10 December 2019

Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in mg/m <sup>3</sup> (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
2hr02min	09:08 ~ 11:10	18.4	1018.6	0.032	2989	24.5
2hr01min	11:15 ~ 13:16	18.4	1018.6	0.044	3203	26.6
2hr01min	13:22 ~ 15:23	18.4	1018.6	0.050	4060	33.7

### Linear Regression of Y or X

Slope (K-factor): 0.0015  
 Correlation Coefficient 0.9855  
 Date of Issue 13 December 2019



### Remarks:

1. **Strong Correlation (R>0.8)**
2. Factor 0.0015 should be applied for TSP monitoring

\*If R<0.5, repair or re-verification is required for the equipment

Operator : Fai So Signature : [Signature] Date : 13 December 2019

QC Reviewer : Ben Tam Signature : [Signature] Date : 13 December 2019



### SUB-CONTRACTING REPORT

CONTACT	: MR K.W. FAN	WORK ORDER	: <b>HK1950891</b>
CLIENT	: ENVIROTECH SERVICES CO.		
ADDRESS	: RM113, 1/F, MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T. HONG KONG	SUB-BATCH	: 1
		DATE RECEIVED	: 3-DEC-2019
		DATE OF ISSUE	: 13-DEC-2019
PROJECT	: ----	NO. OF SAMPLES	: 1
		CLIENT ORDER	: ----

#### General Comments

- Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition. The result(s) related only to the item(s) tested.
- Sample information (Project name, Sample ID, Sampling date/time, etc., if any) is provided by client.
- Calibration was subcontracted to and analysed by Action United Enviro Services.

#### Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories

Position

Richard Fung

Managing Director

This is the Final Report and supersedes any preliminary report with this batch number.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

ALS Technichem (HK) Pty Ltd  
Part of the ALS Laboratory Group

11/F, Chung Shun Knitting Centre 1 - 3 Wing Yip Street Kwai Chung N.T. Hong Kong  
Tel. +852 2610 1044 Fax. +852 2610 2021 www.alsglobal.com

WORK ORDER : HK1950891  
SUB-BATCH : 1  
CLIENT : ENVIROTECH SERVICES CO.  
PROJECT : ---



ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK1950891-001	S/N: 627784	Equipments	03-Dec-2019	627784

## Equipment Verification Report (TSP)

### Equipment Calibrated:

Type: Laser Dust monitor  
 Manufacturer: Sibata LD-3B  
 Serial No. 6Z7784  
 Equipment Ref: Nil  
 Job Order HK1950891

### Standard Equipment:

Standard Equipment: Higher Volume Sampler (TSP)  
 Location & Location ID: AUES office (calibration room)  
 Equipment Ref: HVS 018  
 Last Calibration Date: 3 December 2019

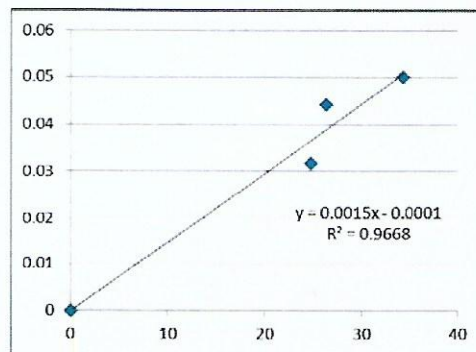
### Equipment Verification Results:

Verification Date: 10 December 2019

Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in mg/m <sup>3</sup> (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
2hr02min	09:08 ~ 11:10	18.4	1018.6	0.032	3020	24.8
2hr01min	11:15 ~ 13:16	18.4	1018.6	0.044	3185	26.4
2hr01min	13:22 ~ 15:23	18.4	1018.6	0.050	4141	34.3

### Linear Regression of Y or X

Slope (K-factor): 0.0015  
 Correlation Coefficient 0.9833  
 Date of Issue 13 December 2019



### Remarks:

- Strong Correlation (R>0.8)**
- Factor 0.0015 should be applied for TSP monitoring

\*If R<0.5, repair or re-verification is required for the equipment

Operator : Fai So Signature : [Signature] Date : 13 December 2019

QC Reviewer : Ben Tam Signature : [Signature] Date : 13 December 2019

# Certificate of Calibration

for

**Description:** *Sound Level Meter*  
**Manufacturer:** *RION*  
**Type No.:** *NL-52 (Serial No.: 00175561)*  
**Microphone:** *UC-53A (Serial No.: 99995)*  
**Preamplifier:** *NH-25 (Serial No.:65663)*

**Submitted by:**

**Customer:** *Envirotech Services Co.*  
**Address:** *Rm.113, 1/F., My Loft, 9 Hoi Wing Road,  
Tuen Mun, N.T., Hong Kong.*

Upon receipt for calibration, the instrument was found to be:

- Within**  
 **Outside**

the allowable tolerance.

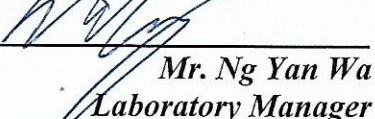
The test equipment used for calibration are traceable to National Standards via:

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt:** 24 September 2019

**Date of calibration:** 26 September 2019

**Calibrated by:**   
*Calibration Technician*

**Certified by:**   
*Mr. Ng Yan Wa*  
*Laboratory Manager*

**Date of issue:** 26 September 2019

**Certificate No.:** APJ19-095-CC001



Page 1 of 4





### 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

### 2. Calibration Conditions:

Air Temperature: 24.1 °C  
 Air Pressure: 1006 hPa  
 Relative Humidity: 54.2 %

### 3. Calibration Equipment:

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV180064	HOKLAS

### 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
			104		104.0	±0.3
			114		114.1	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
30-130	dBA SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

Certificate No.: APJ19-095-CC001

Page 2 of 4



Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB	
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz			
30-130	dB	SPL	Fast	94	31.5	94.3	±2.0
					63	94.2	±1.5
					125	94.1	±1.5
					250	94.0	±1.4
					500	94.0	±1.4
					1000	94.0	Ref
					2000	93.9	±1.6
					4000	93.7	±1.6
					8000	91.9	+2.1; -3.1

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB	
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz			
30-130	dBA	SPL	Fast	94	31.5	55.2	-39.4±2.0
					63	68.0	-26.2±1.5
					125	78.0	-16.1±1.5
					250	85.4	-8.6±1.4
					500	90.8	-3.2±1.4
					1000	94.0	Ref
					2000	95.1	+1.2±1.6
					4000	94.7	+1.0±1.6
					8000	90.9	-1.1±2.1; -3.1

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB	
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz			
30-130	dBC	SPL	Fast	94	31.5	91.3	-3.0±2.0
					63	93.4	-0.8±1.5
					125	93.9	-0.2±1.5
					250	94.0	-0.0±1.4
					500	94.0	-0.0±1.4
					1000	94.0	Ref
					2000	93.8	-0.2±1.6
					4000	92.9	-0.8±1.6
					8000	89.0	-3.0 +2.1: -3.1

Certificate No.: APJ19-095-CC001



Page 3 of 4

## 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.15
	63 Hz	± 0.10
	125 Hz	± 0.10
	250 Hz	± 0.05
	500 Hz	± 0.10
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.10
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)\*L shall not be liable for any loss or damage resulting from the use of the equipment.



# Certificate of Calibration 校正證書

Certificate No. : C192695  
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC19-0995)      Date of Receipt / 收件日期 : 17 May 2019  
Description / 儀器名稱 : Precision Acoustic Calibrator  
Manufacturer / 製造商 : LARSON DAVIS  
Model No. / 型號 : CAL200  
Serial No. / 編號 : 11333  
Supplied By / 委託者 : Envirotech Services Co.  
Room 113, 1/F, My Loft, 9 Hoi Wing Road, Tuen Mun,  
New Territories, Hong Kong

## TEST CONDITIONS / 測試條件

Temperature / 溫度 :  $(23 \pm 2)^{\circ}\text{C}$       Relative Humidity / 相對濕度 :  $(50 \pm 25)\%$   
Line Voltage / 電壓 : ---

## TEST SPECIFICATIONS / 測試規範

Calibration check

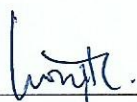
DATE OF TEST / 測試日期 : 26 May 2019

## 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
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Agilent Technologies / Keysight Technologies
- Fluke Everett Service Center, USA

Tested By :   
測試 : H T Wong  
Technical Officer

Certified By :   
核證 : K O Lee  
Engineer

Date of Issue : 29 May 2019  
簽發日期

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

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



# Certificate of Calibration

## 校正證書

Certificate No. : C192695  
證書編號

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

<u>Equipment ID</u>	<u>Description</u>	<u>Certificate No.</u>
CL130	Universal Counter	C183775
CL281	Multifunction Acoustic Calibrator	CDK1806821
TST150A	Measuring Amplifier	C181288

- Test procedure : MA100N.

- Results :

### 5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	93.8	± 0.2	± 0.2
114 dB, 1 kHz	113.8		

### 5.2 Frequency Accuracy

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	1.000	1 kHz ± 1 %	± 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.

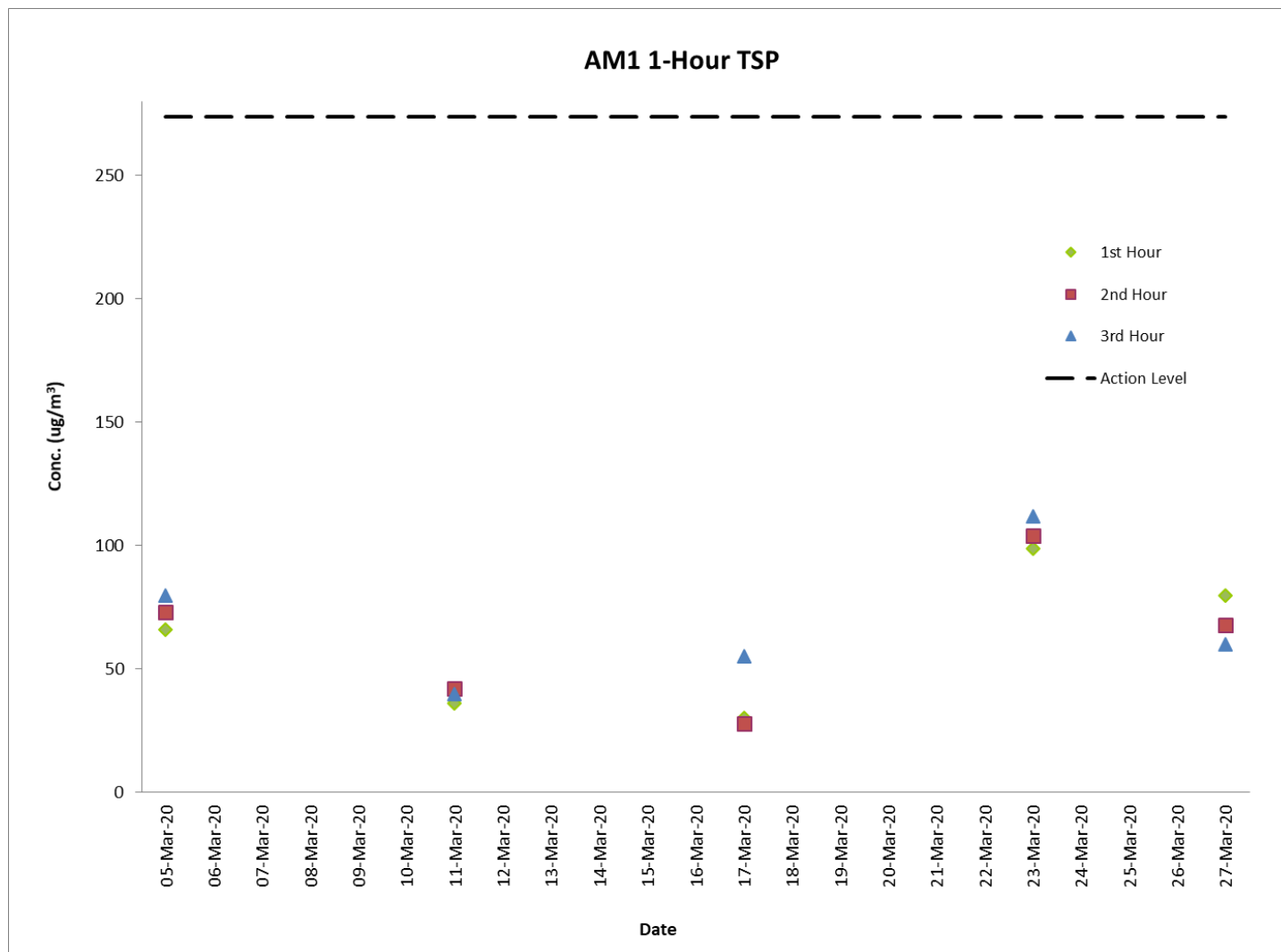
The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the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

## **G. Graphical Plots of the Monitoring Results**

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

Date	Weather Condition	Time	Conc. ( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
			1 <sup>st</sup> Hour	2 <sup>nd</sup> Hour	3 <sup>rd</sup> Hour		
05-Mar-20	Cloudy	8:10 - 11:10	66	73	80	273.7	500
11-Mar-20	Cloudy	7:53 - 10:53	36	42	40	273.7	500
17-Mar-20	Cloudy	7:50 - 10:50	30	28	55	273.7	500
23-Mar-20	Sunny	8:14 - 11:14	99	104	112	273.7	500
27-Mar-20	Cloudy	13:22 - 16:22	80	68	60	273.7	500

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

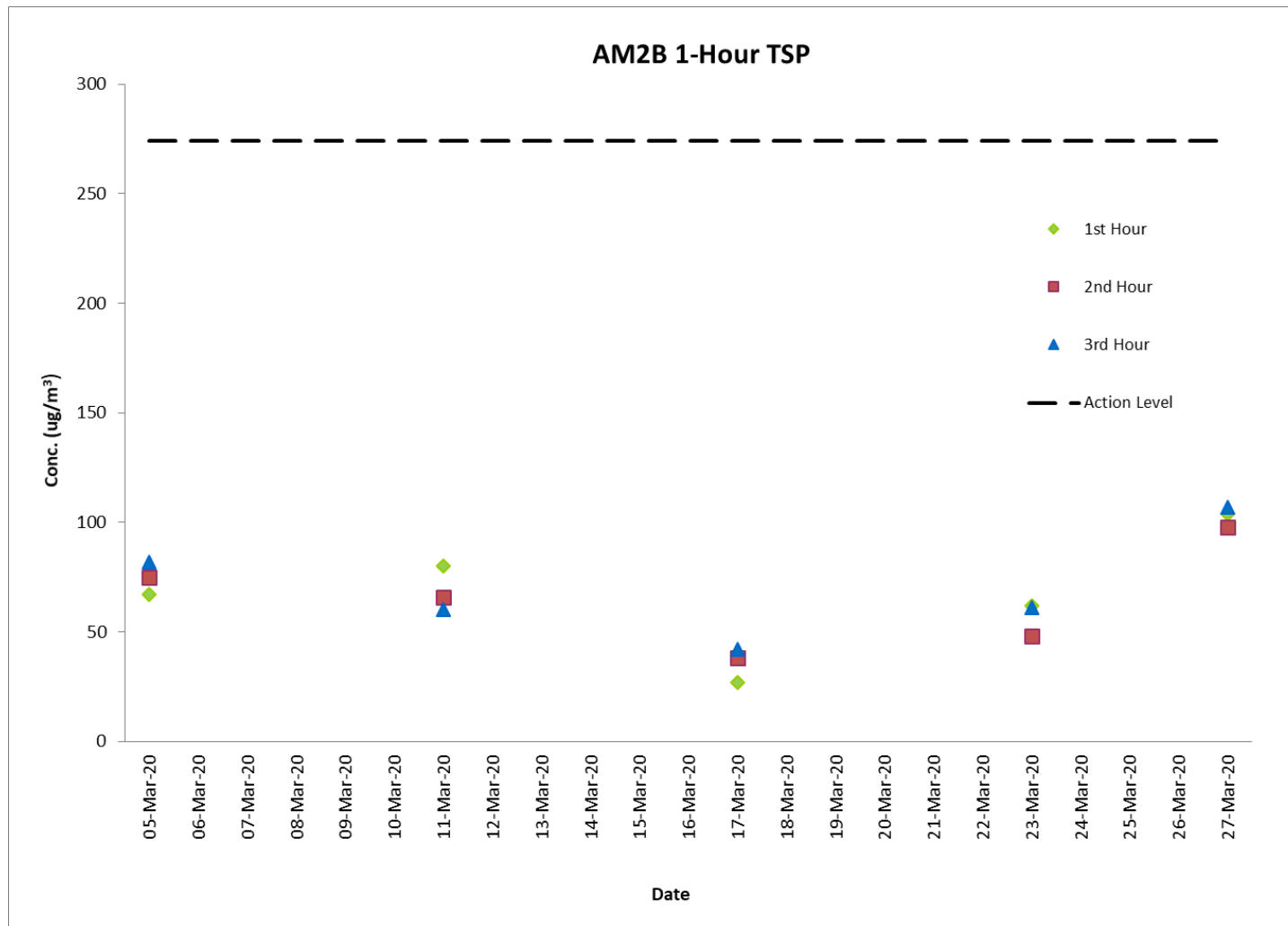




**Air Quality Monitoring Result at Station AM2B (1-hour TSP)**

Date	Weather Condition	Time	Conc. ( $\mu\text{g}/\text{m}^3$ )			Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
			1 <sup>st</sup> Hour	2 <sup>nd</sup> Hour	3 <sup>rd</sup> Hour		
05-Mar-20	Cloudy	8:24 - 11:24	67	75	82	274.2	500
11-Mar-20	Cloudy	8:35 - 11:35	80	66	60	274.2	500
17-Mar-20	Cloudy	8:30 - 11:30	27	38	42	274.2	500
23-Mar-20	Sunny	8:28 - 11:28	62	48	61	274.2	500
27-Mar-20	Cloudy	13:37 - 16:37	104	98	107	274.2	500

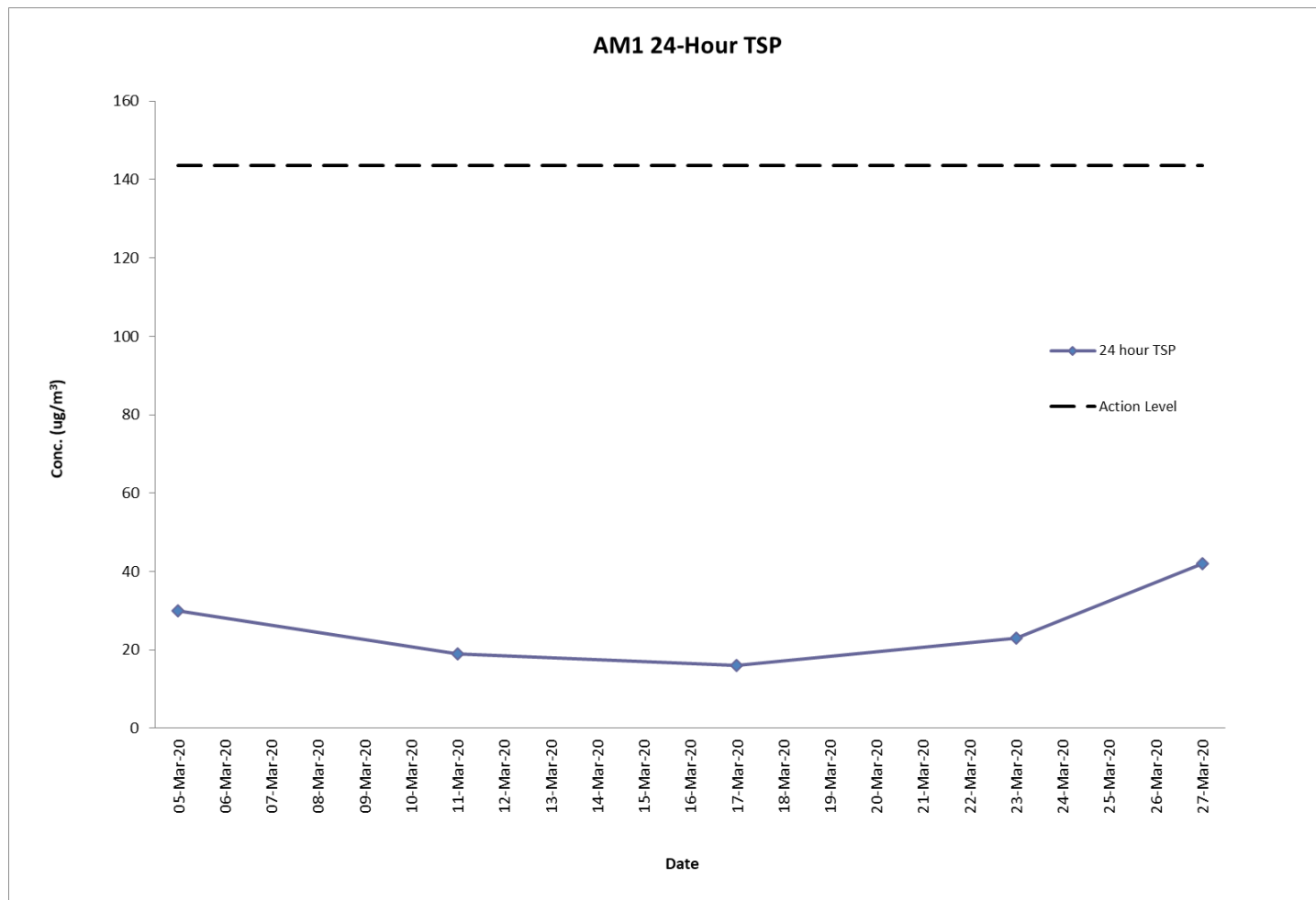
### Graphical Presentation of Air Quality Monitoring Result at Station AM2B (1-hour TSP)



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

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m <sup>3</sup> /min)			Conc. (µg/m <sup>3</sup> )	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
05-Mar-20	8:08	06-Mar-20	8:08	2.6856	2.7390	21488.38	21512.38	24	1.25	1.25	1.25	30	Cloudy	143.6	260
11-Mar-20	7:50	12-Mar-20	7:50	2.6804	2.7142	21512.38	21536.38	24	1.25	1.25	1.25	19	Cloudy	143.6	260
17-Mar-20	7:48	18-Mar-20	7:48	2.6913	2.7194	21536.38	21560.38	24	1.25	1.25	1.25	16	Cloudy	143.6	260
23-Mar-20	8:12	24-Mar-20	8:12	2.6600	2.7020	21560.38	21584.38	24	1.25	1.25	1.25	23	Sunny	143.6	260
27-Mar-20	8:20	28-Mar-20	8:20	2.6595	2.7353	21584.38	21608.38	24	1.25	1.25	1.25	42	Cloudy	143.6	260

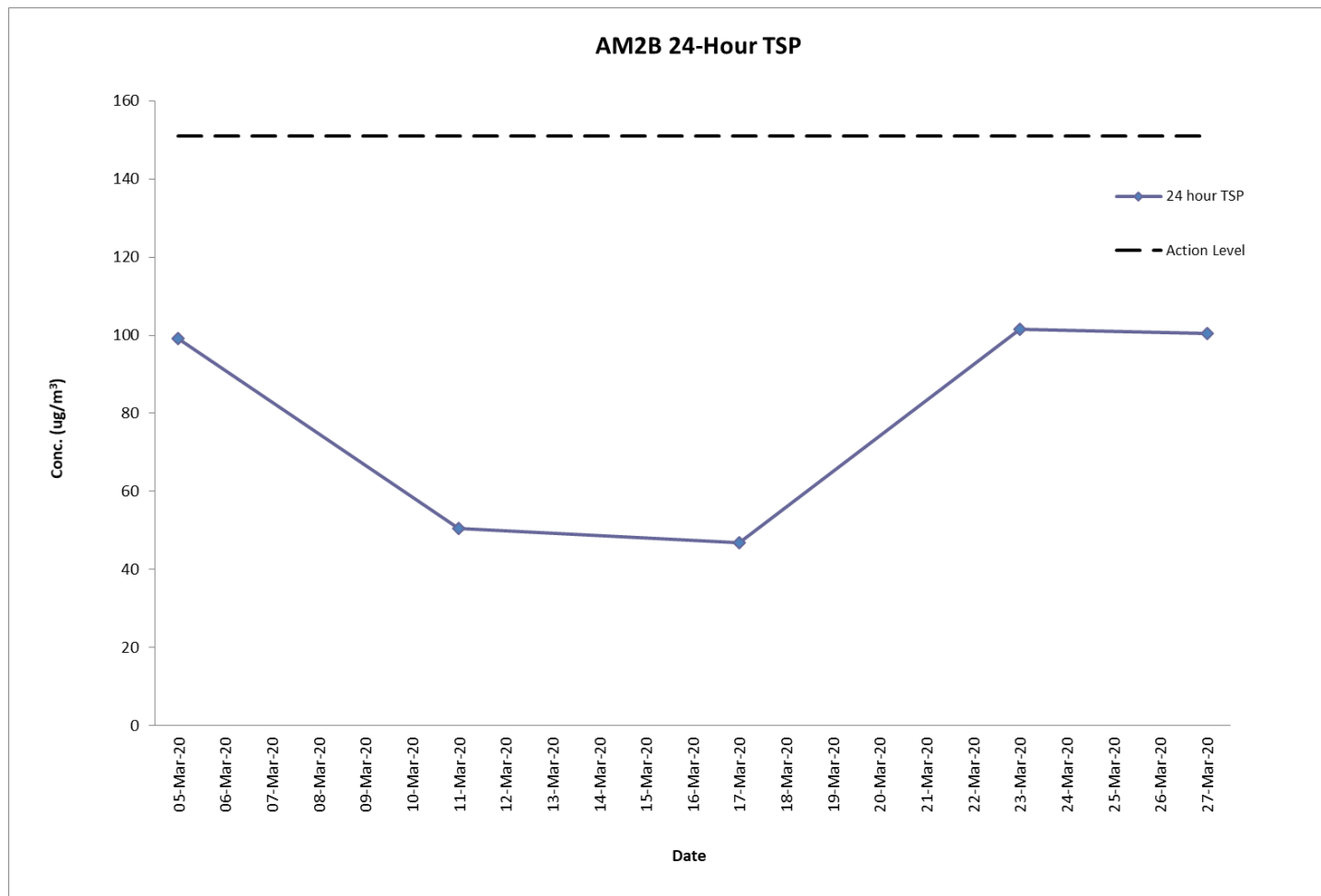
### Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)



**Air Quality Monitoring Result at Station AM2B (24-hour TSP)**

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m <sup>3</sup> /min)			Conc. (µg/m <sup>3</sup> )	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
05-Mar-20	8:22	06-Mar-20	8:22	2.6764	2.8463	21043.05	21067.05	24	1.19	1.19	1.19	99	Cloudy	151.1	260
11-Mar-20	8:33	12-Mar-20	8:33	2.6723	2.7587	21067.05	21091.05	24	1.19	1.19	1.19	50	Cloudy	151.1	260
17-Mar-20	8:32	18-Mar-20	8:32	2.6885	2.7688	21091.05	21115.05	24	1.19	1.19	1.19	47	Cloudy	151.1	260
23-Mar-20	8:26	24-Mar-20	8:26	2.6654	2.8348	21115.05	21139.05	24	1.16	1.16	1.16	101	Sunny	151.1	260
27-Mar-20	8:35	28-Mar-20	8:35	2.7725	2.9404	21139.05	21163.05	24	1.16	1.16	1.16	101	Cloudy	151.1	260

### Graphical Presentation of Air Quality Monitoring Result at Station AM2B (24-hour TSP)



### Noise Monitoring Result at Station NM1A

Date	Time	Measured L <sub>10</sub> , dB(A)	Measured L <sub>90</sub> , dB(A)	L <sub>eq</sub> (30 min.)*, dB(A)
05-Mar-20	10:30	68.3	64.1	68
05-Mar-20	10:35	67.1	63.5	
05-Mar-20	10:40	66.8	62.6	
05-Mar-20	10:45	66.9	62.3	
05-Mar-20	10:50	66.0	62.9	
05-Mar-20	10:55	67.4	63.6	
11-Mar-20	7:44	66.0	61.9	68
11-Mar-20	7:49	66.7	62.2	
11-Mar-20	7:54	67.4	61.2	
11-Mar-20	7:59	68.1	61.8	
11-Mar-20	8:04	67.9	62.0	
11-Mar-20	8:09	68.2	62.2	
17-Mar-20	7:45	69.1	63.4	70
17-Mar-20	7:50	68.4	62.4	
17-Mar-20	7:55	67.1	62.0	
17-Mar-20	8:00	66.9	62.4	
17-Mar-20	8:05	69.4	63.2	
17-Mar-20	8:10	69.0	63.6	
23-Mar-20	10:36	67.0	63.1	69
23-Mar-20	10:41	68.6	64.5	
23-Mar-20	10:46	67.8	63.7	
23-Mar-20	10:51	68.5	64.3	
23-Mar-20	10:56	68.6	64.5	
23-Mar-20	11:01	67.4	63.6	

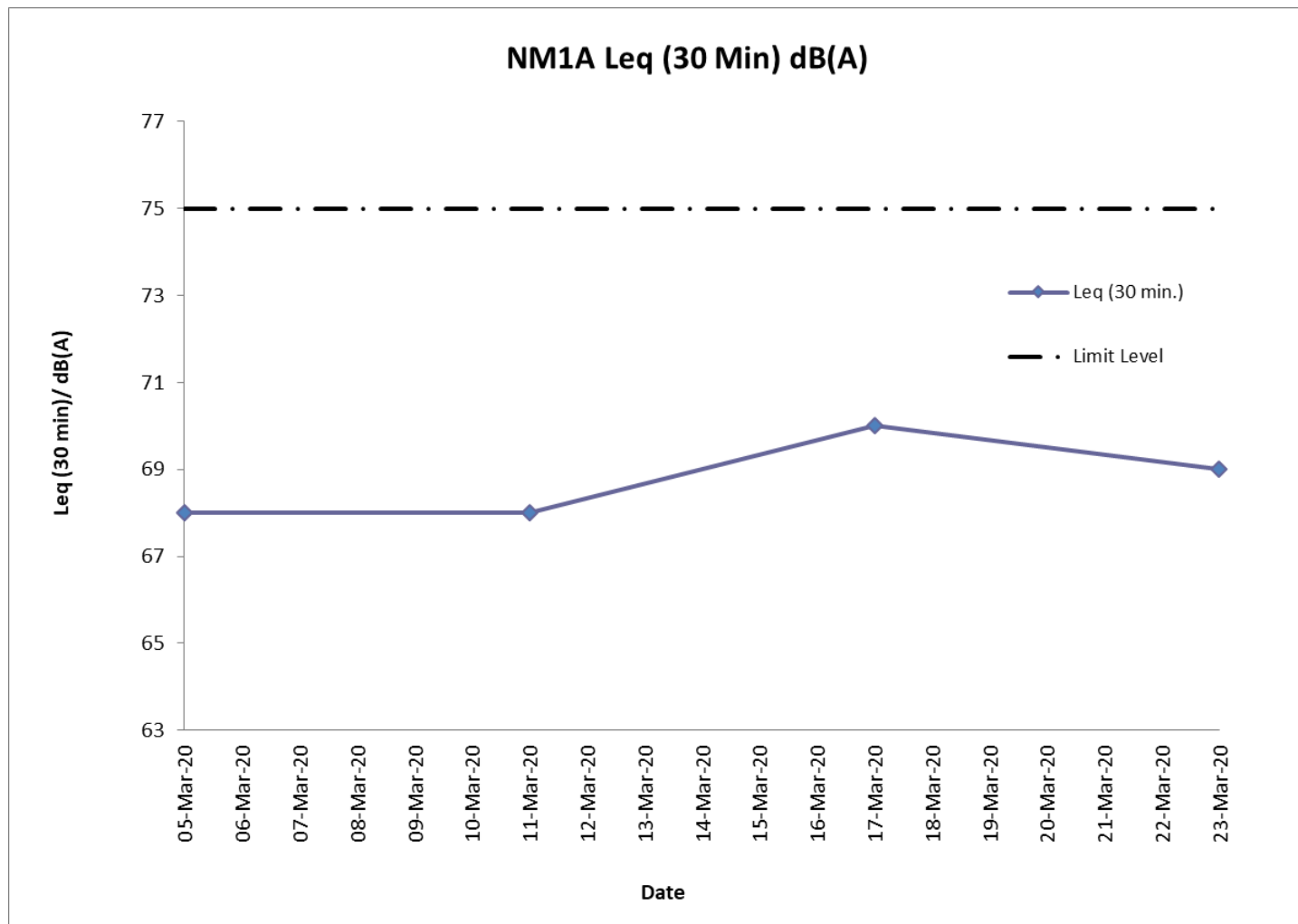
**Remarks:**

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



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

### Graphical Presentation Noise Monitoring Result at Station NM1A

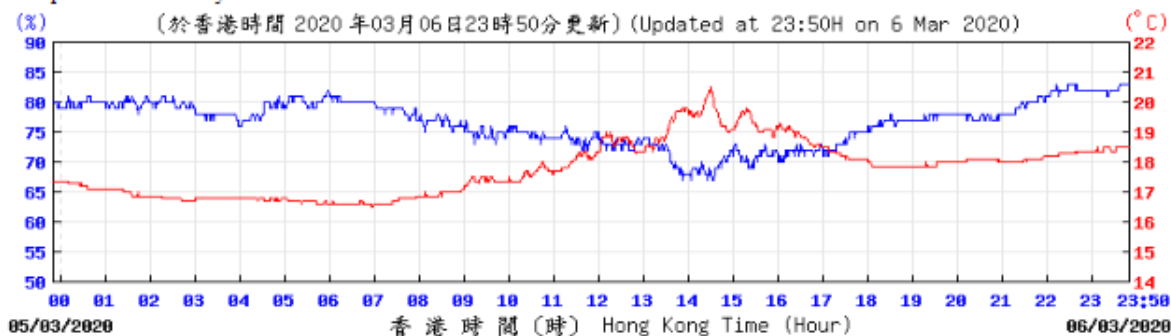




## **H. Meteorological Data Extracted from Hong Kong Observatory**

# Extract of Meteorological Observations for King's Park Automatic Weather Station, March 2020

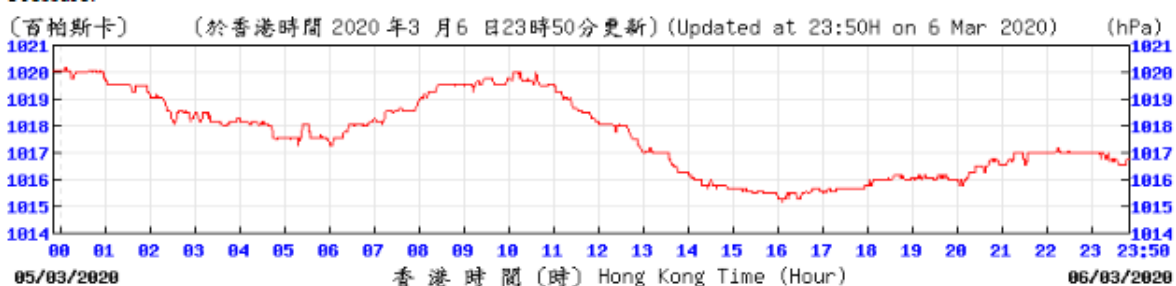
Temperature/Humidity:



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KPC

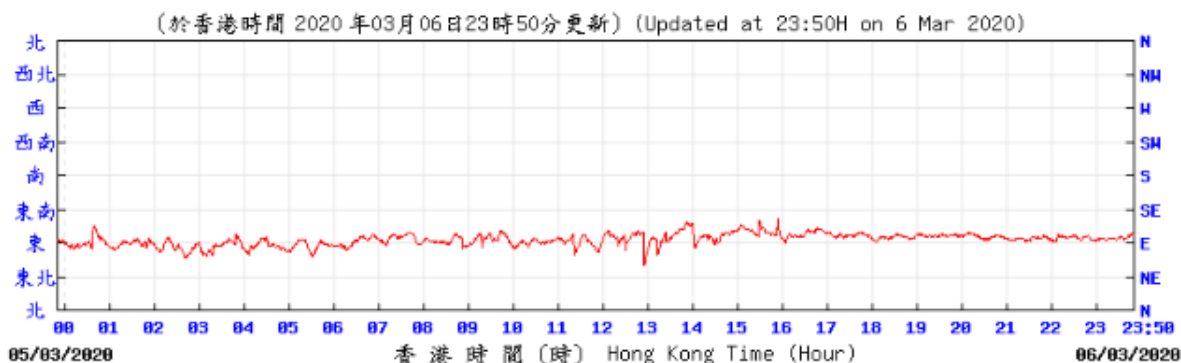
Pressure:



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KPC

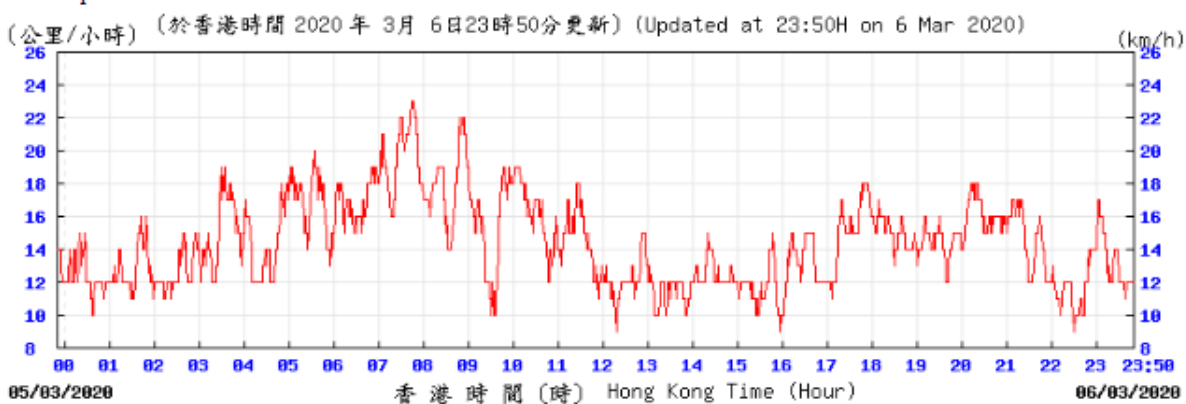
Wind Direction:



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KPC

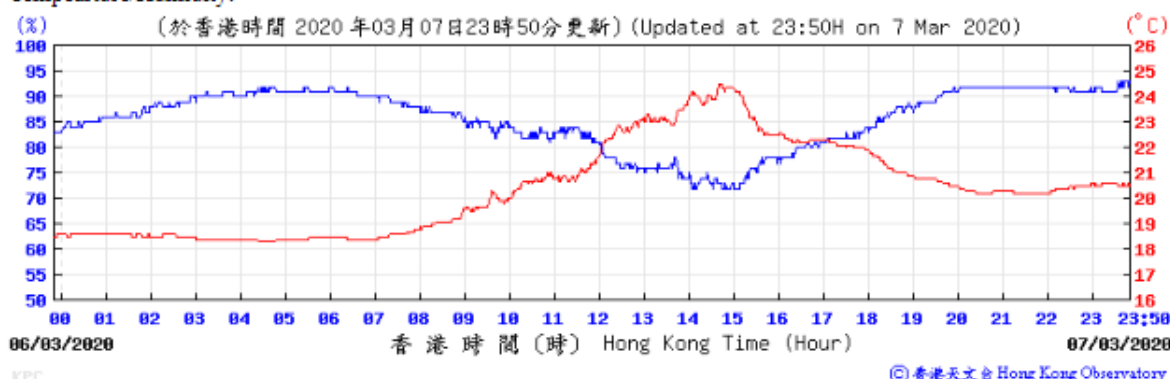
Wind Speed:



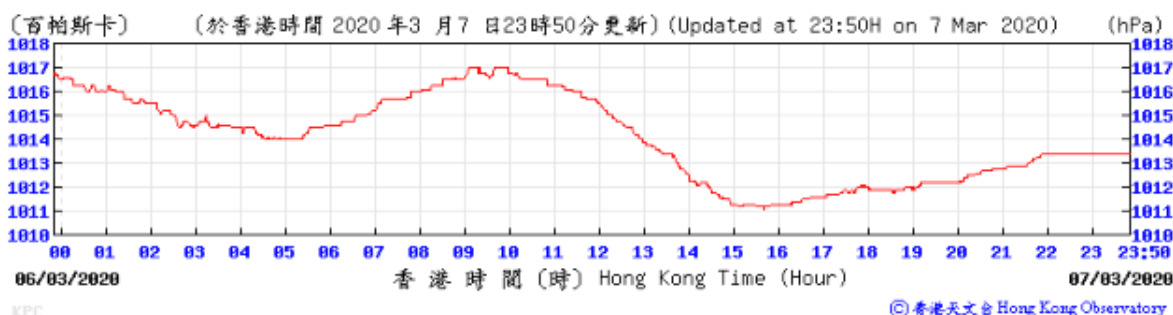
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KPC

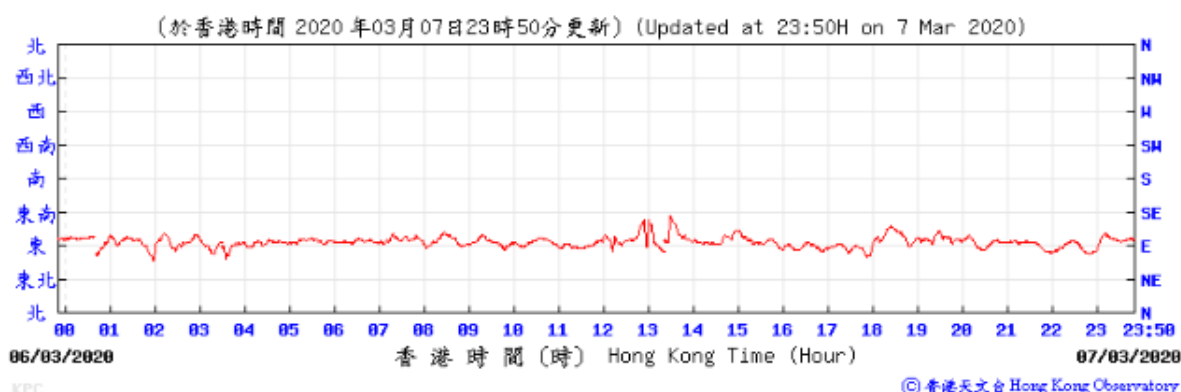
Temperature/Humidity:



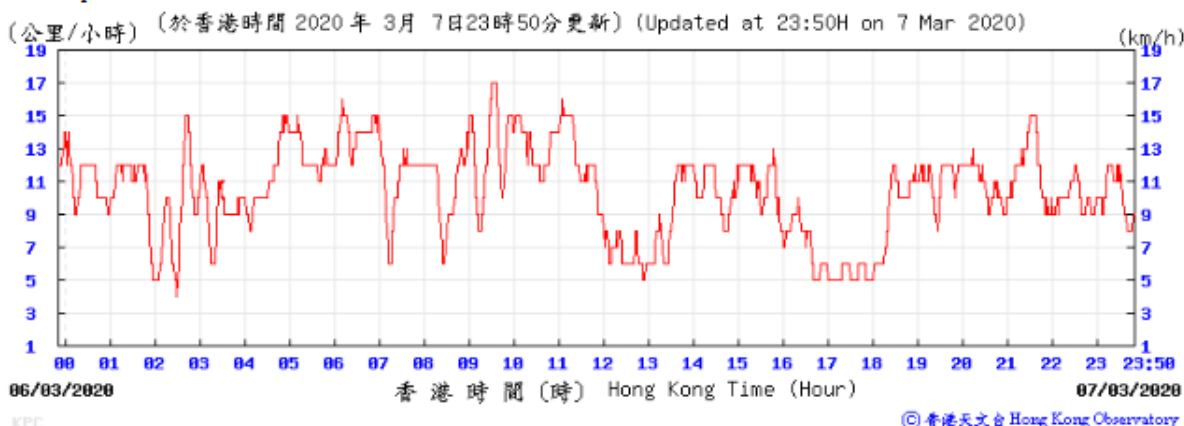
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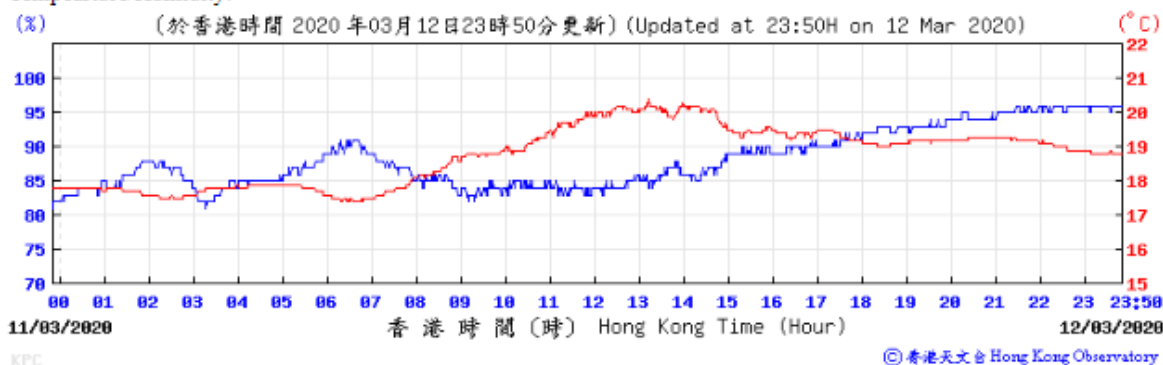
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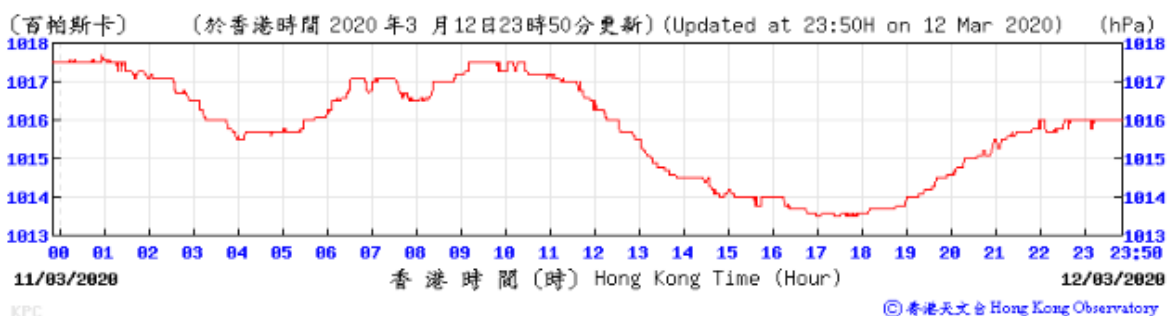
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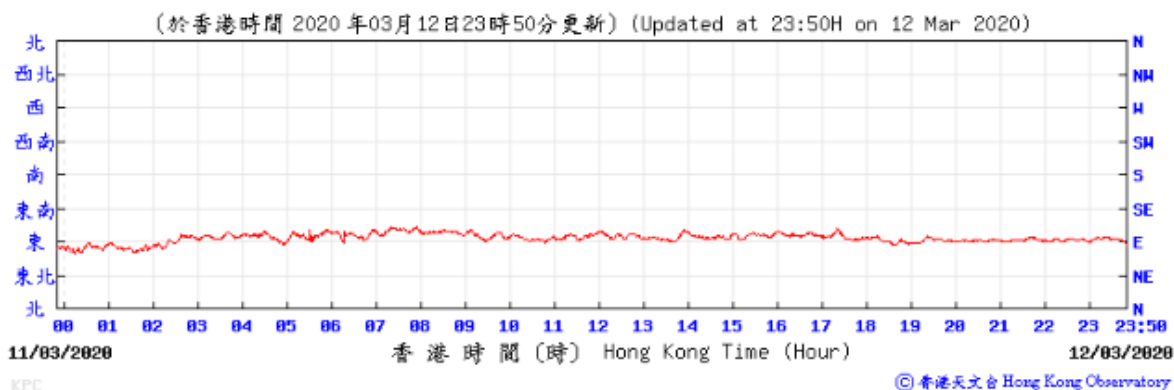
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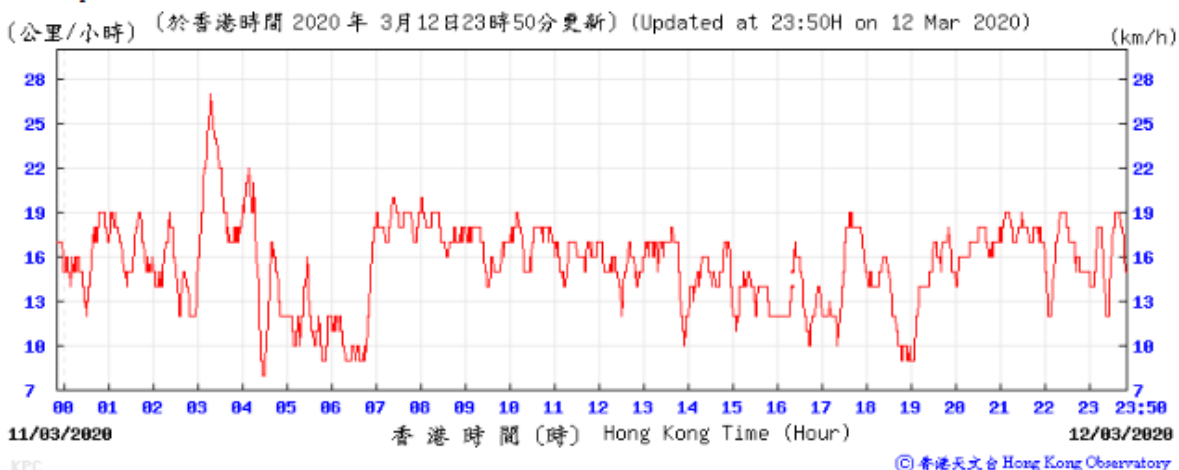
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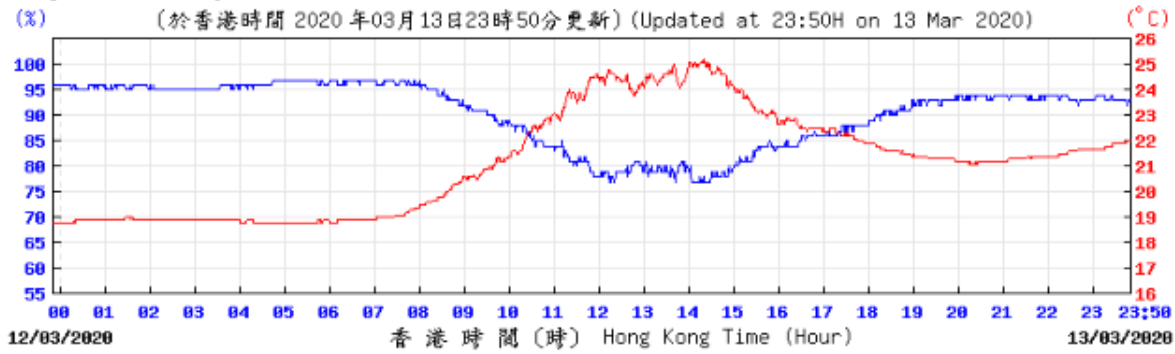
Wind Direction:



Wind Speed:

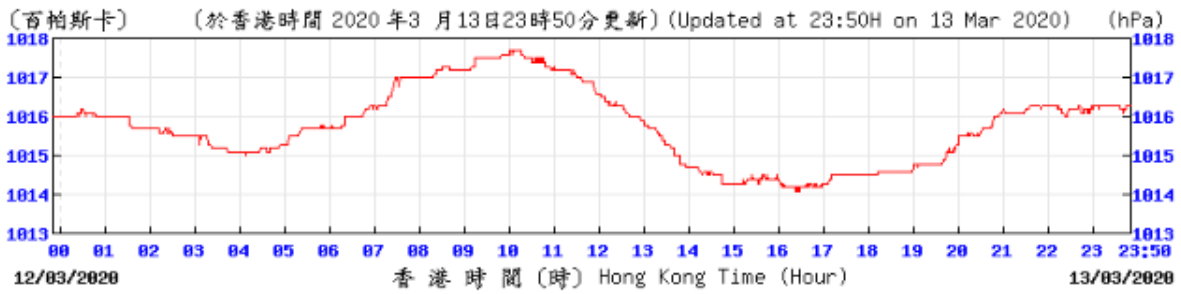


Temperature/Humidity:



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Pressure:



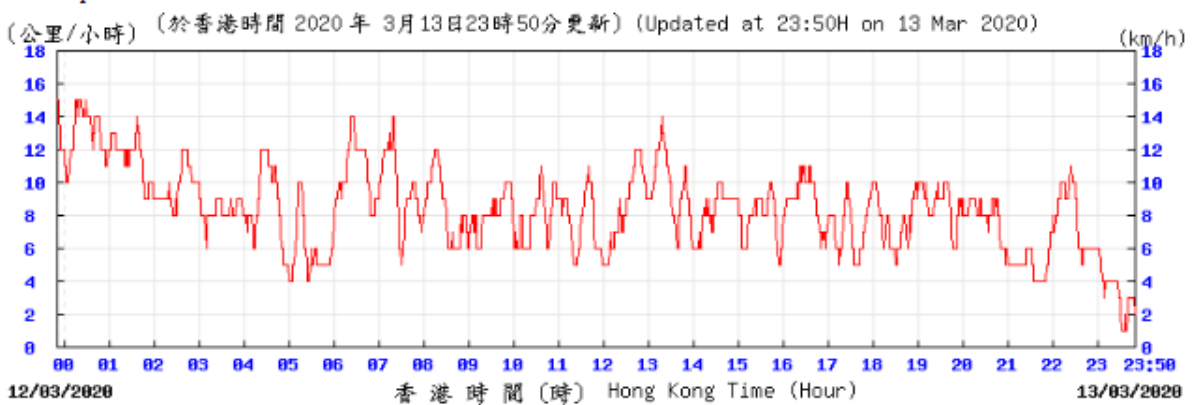
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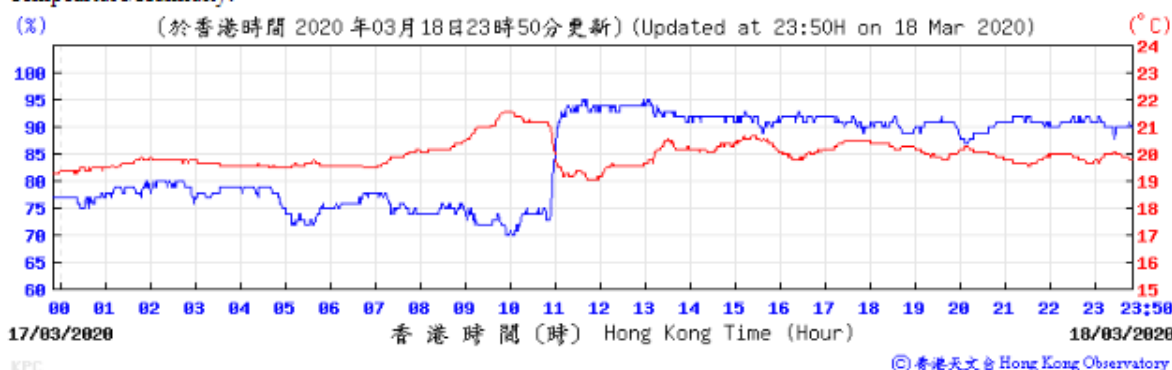
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Wind Speed:

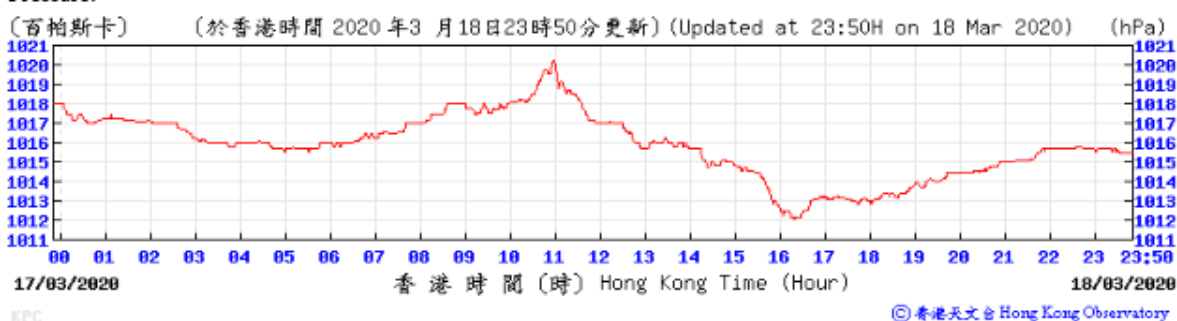


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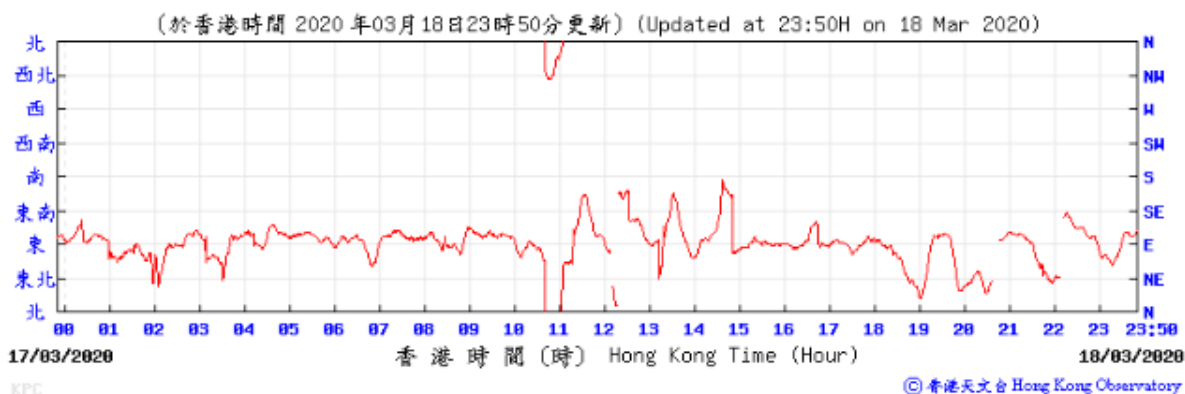
Temperature/Humidity:



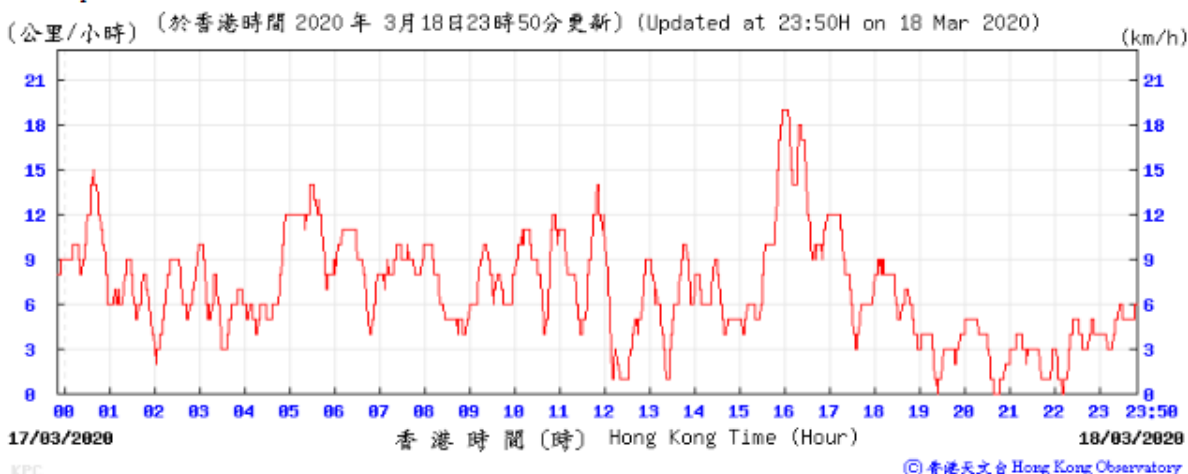
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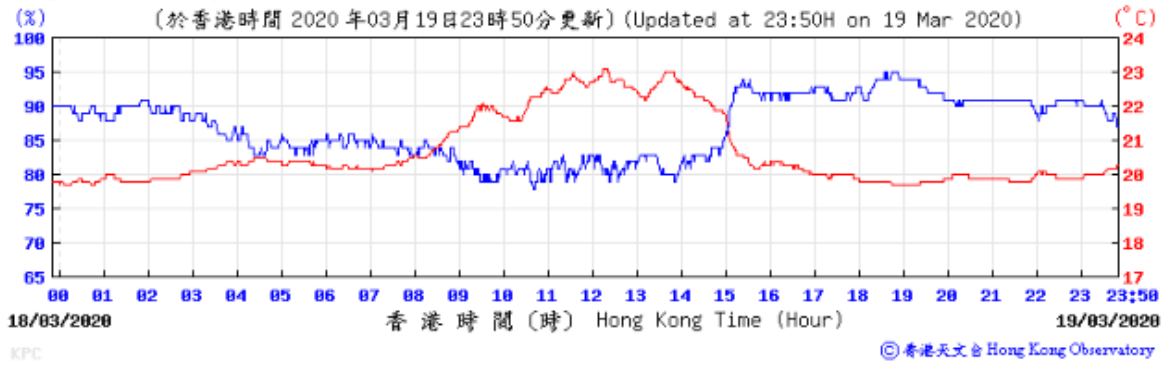
Wind Direction:



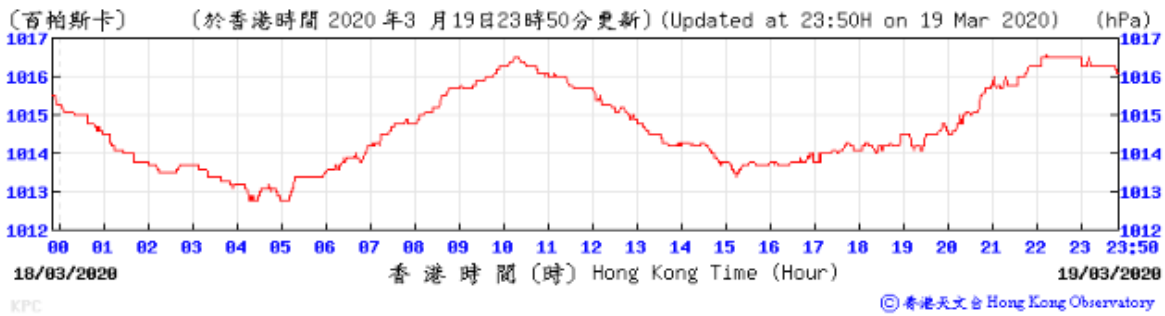
Wind Speed:



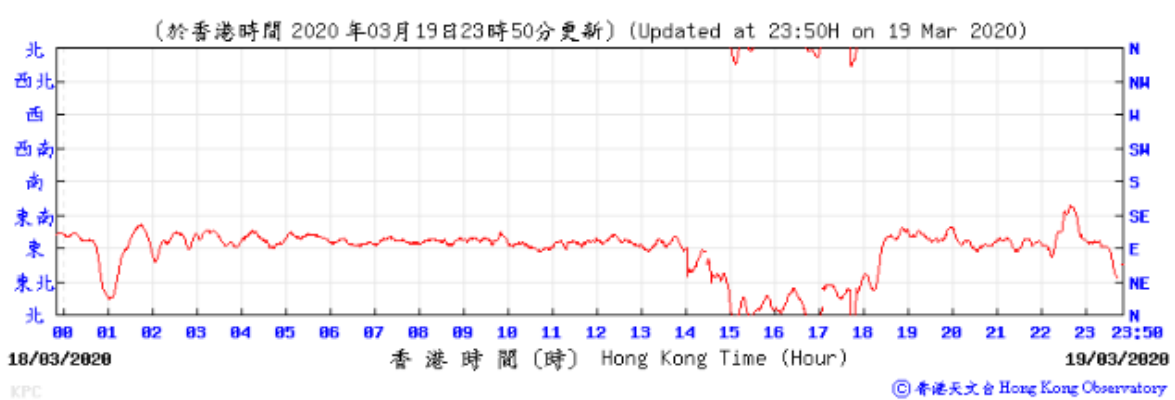
Temperature/Humidity:



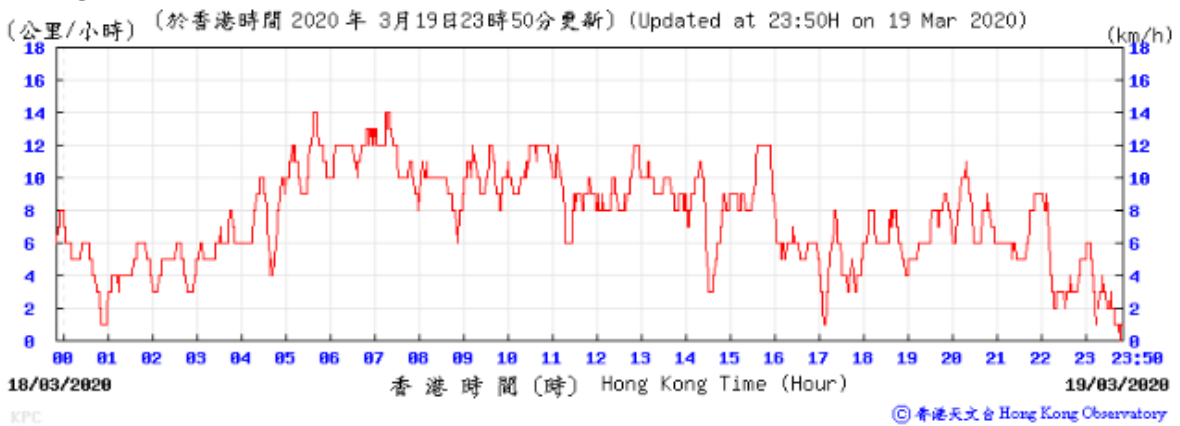
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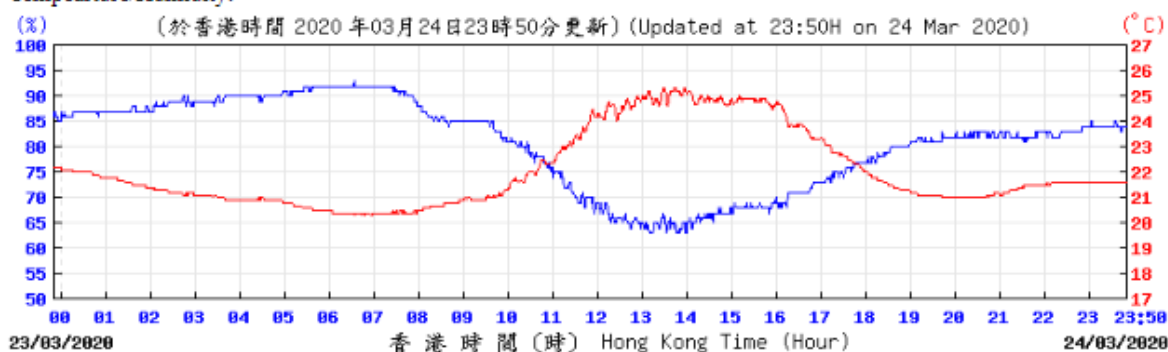
Wind Direction:



Wind Speed:

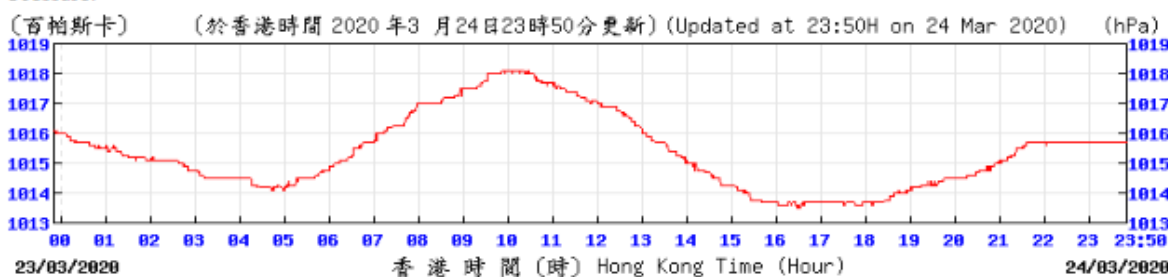


Temperature/Humidity:



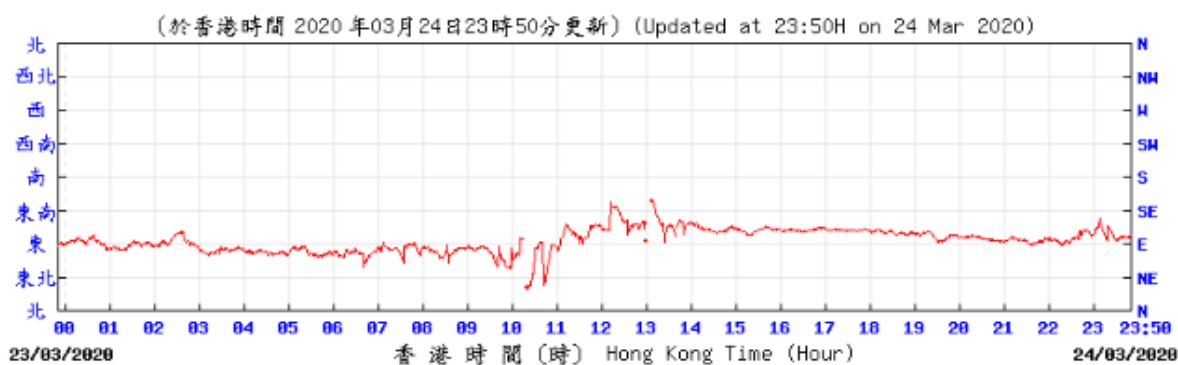
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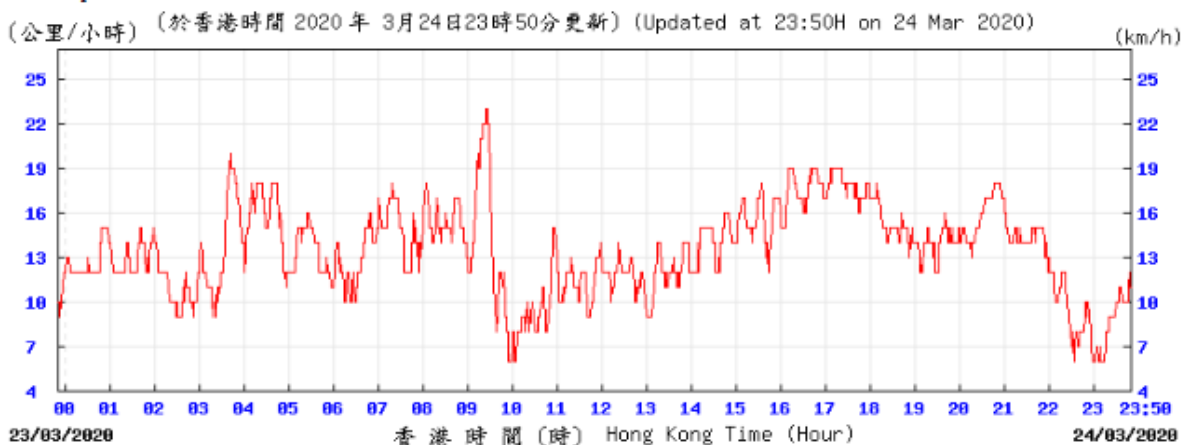
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Wind Direction:



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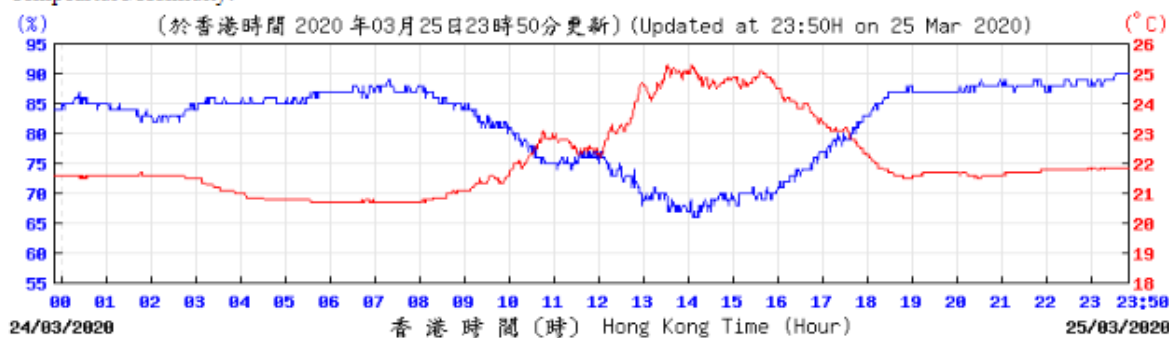
Wind Speed:



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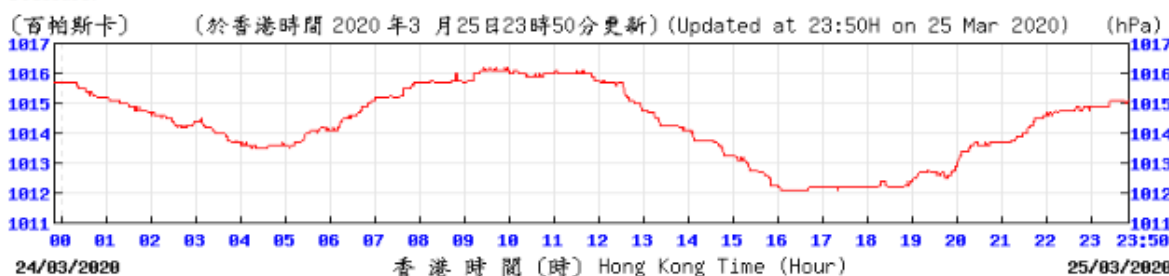


Temperature/Humidity:



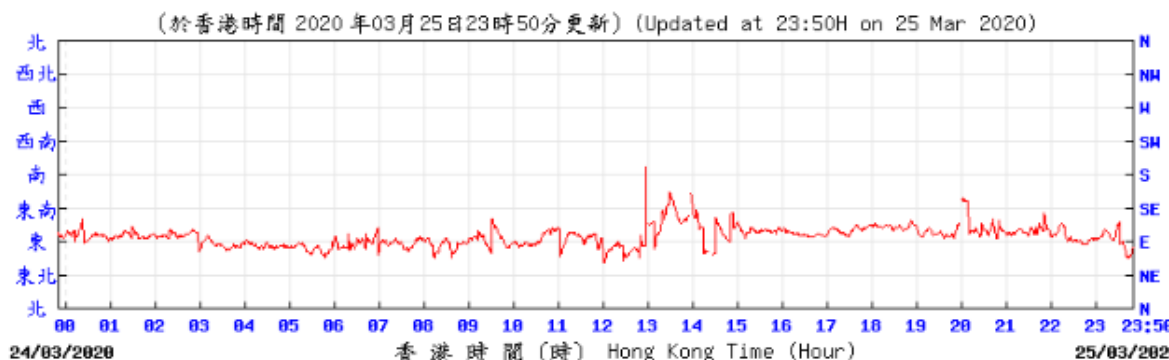
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Pressure:



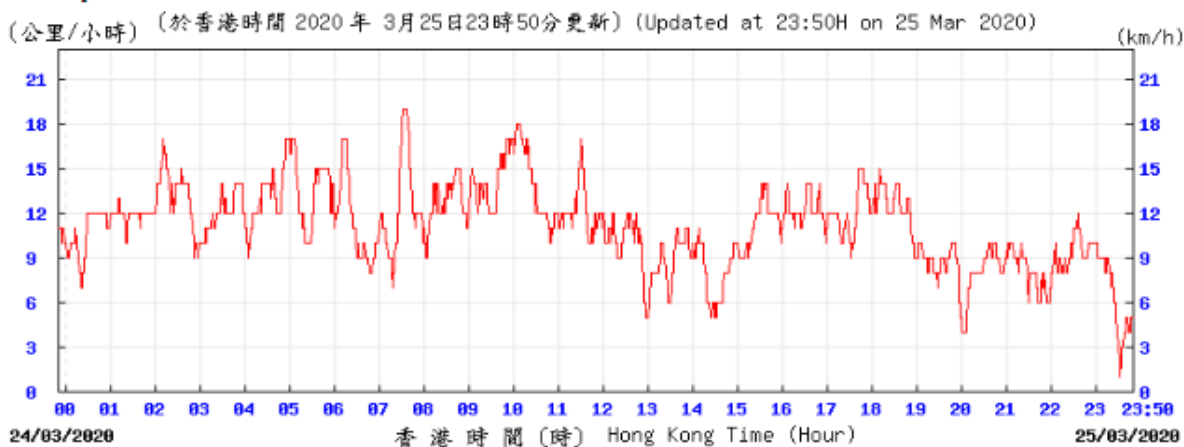
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Wind Direction:



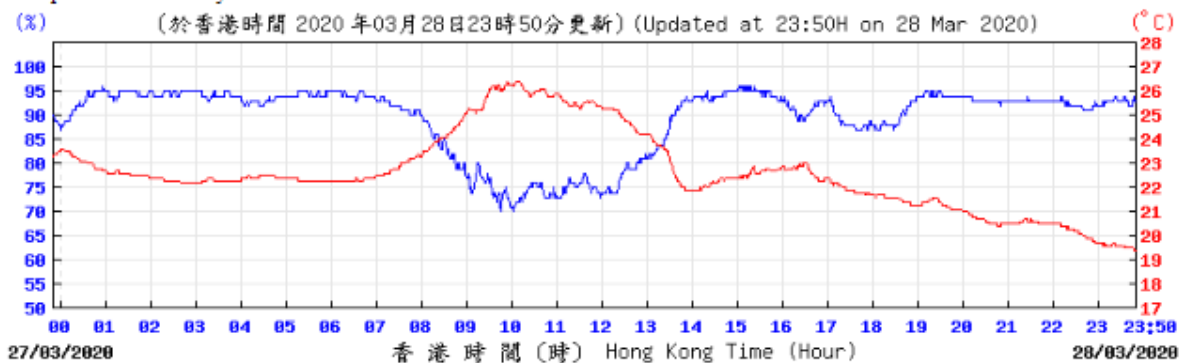
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Wind Speed:

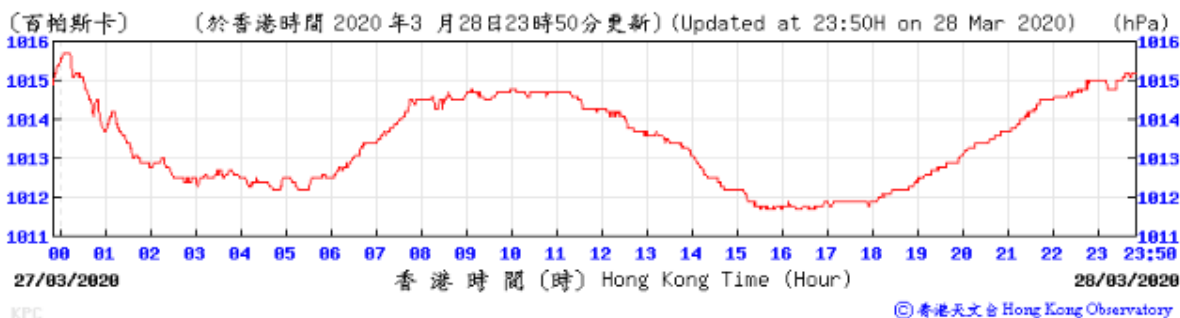


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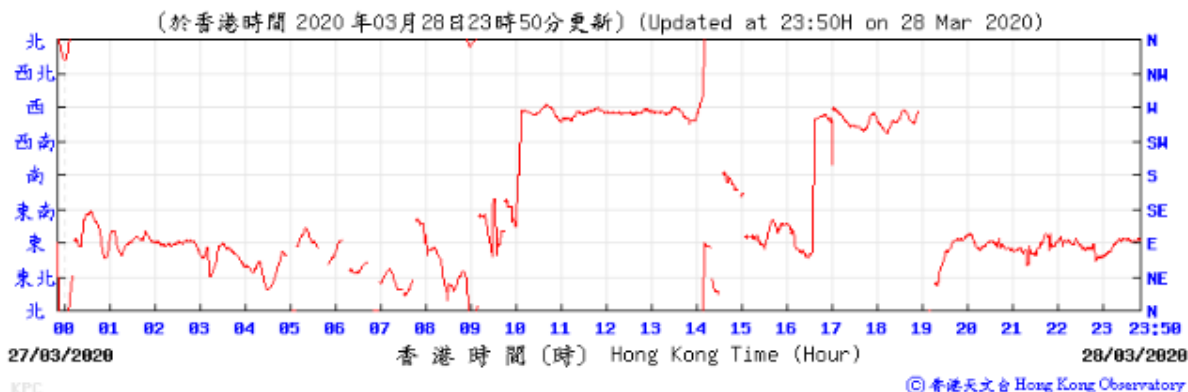
Temperature/Humidity:



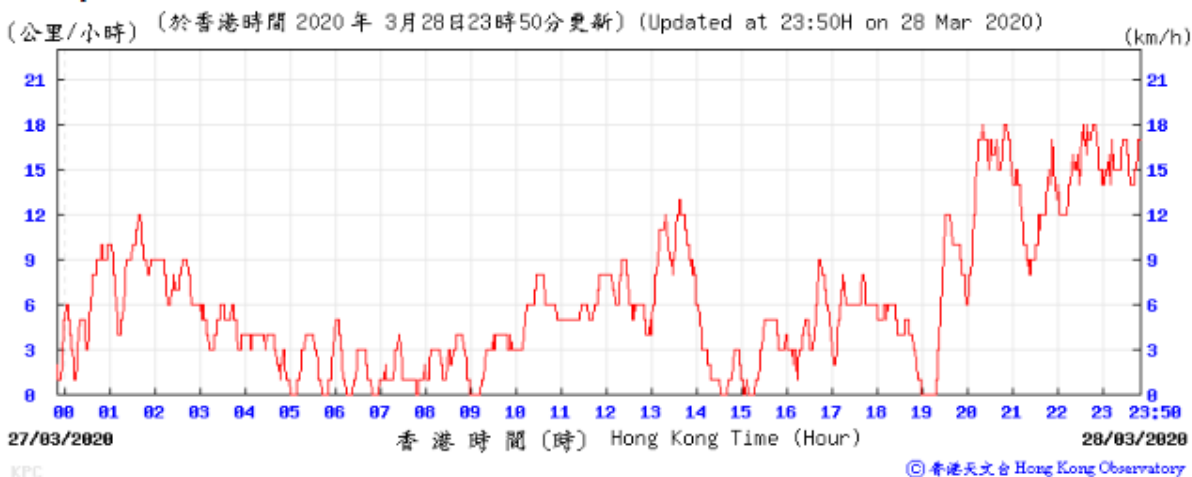
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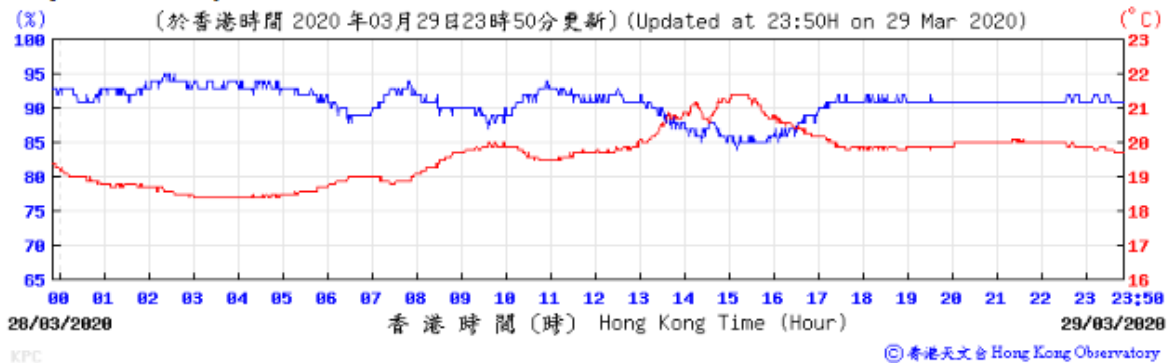
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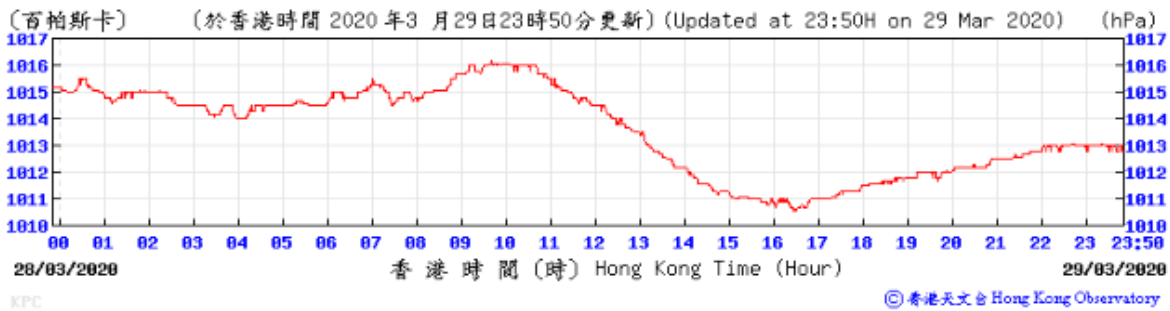
Wind Speed:



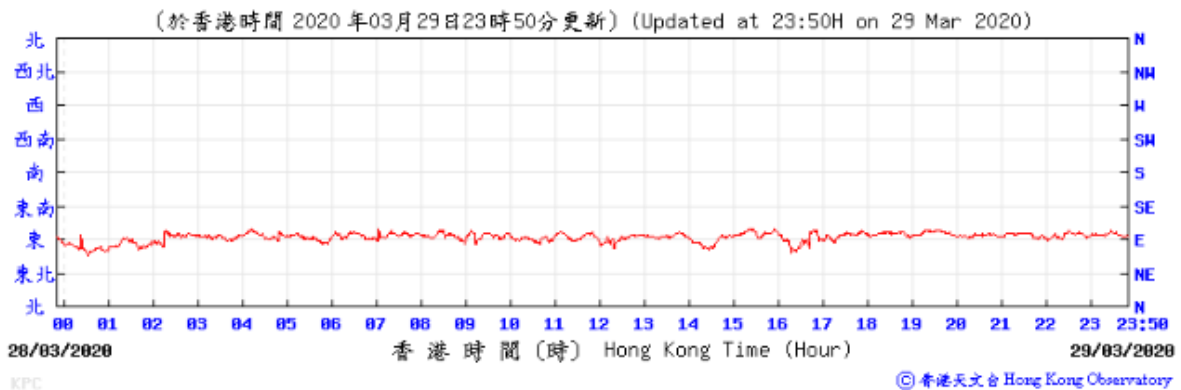
Temperature/Humidity:



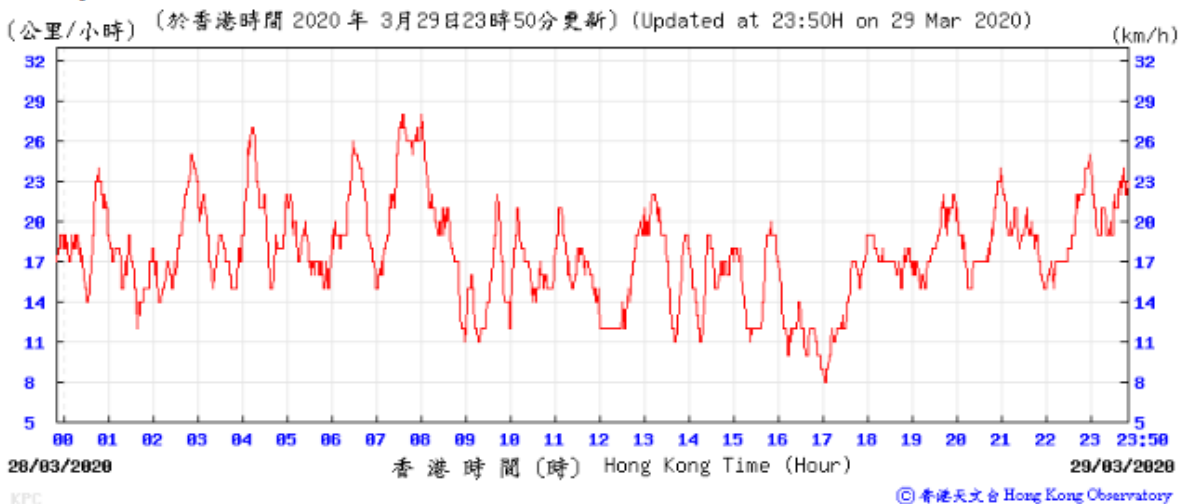
Pressure:



Wind Direction:



Wind Speed:



## I. Waste Flow table

**M+ Museum**

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

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
<b>2015</b>													
Nov	46607.4	0.0	0.0	8240.0	38367.4	0.0	0.0	76.2	0.0	0.0	0.0	0.0	67.6
Dec	29652.9	0.0	0.0	29621.4	31.5	0.0	0.0	26.3	0.0	0.0	0.0	1.0	66.0
Sub-total (2015)	76260.3	0.0	0.0	37861.4	38398.9	0.0	0.0	102.5	0.0	0.0	0.0	1.0	133.6
<b>2016</b>													
Jan	21077.4	0.0	6352.0	14576.0	149.4	0.0	0.0	18.8	0.0	0.0	0.0	0.0	23.2
Feb	7626.2	0.0	3424.0	4048.0	154.2	0.0	0.0	59.8	0.0	0.0	0.0	0.0	20.5
Mar	10442.5	0.0	1600.0	7888.0	954.5	0.0	0.0	29.7	0.0	0.0	0.0	0.0	46.3
Apr	30413.2	0.0	6352.0	23408.0	653.2	0.0	0.0	25.8	0.1	0.0	27.8	0.0	34.5
May	24083.5	0.0	112.0	23216.0	755.5	0.0	0.0	61.5	0.4	0.0	33.6	0.0	62.3
Jun	7880.1	0.0	4736.0	2384.0	760.1	0.0	0.0	106.6	0.1	0.0	14.6	0.0	52.8
Jul	5893.1	0.0	2656.0	2240.0	997.1	0.0	0.0	77.6	0.0	0.0	33.6	0.0	83.1
Aug	13709.6	0.0	0.0	12432.0	1277.6	0.0	0.0	111.3	0.2	0.0	38.5	0.0	104.9
Sep	6702.0	0.0	0.0	5648.0	1000.1	53.9	0.0	104.2	0.0	0.0	45.5	0.2	107.9
Oct	2103.6	0.0	0.0	496.0	1595.4	12.2	0.0	83.0	0.4	0.0	73.5	0.0	108.2
Nov	3302.7	0.0	0.0	2384.0	855.5	63.2	0.0	88.4	0.6	0.0	63.0	0.0	129.1
Dec	899.8	0.0	0.0	736.0	126.8	37.0	0.0	48.3	0.6	0.0	70.0	0.0	89.0
Sub-total (2016)	134133.5	0.0	25232.0	99456.0	9279.3	166.3	0.0	814.9	2.3	0.0	400.1	0.2	861.8
<b>2017</b>													
Jan	675.2	0.0	0.0	432.0	237.9	5.3	0.0	79.5	1.0	0.0	70.0	0.0	79.7
Feb	927.7	0.0	0.0	768.0	125.6	34.0	0.0	70.5	0.6	0.0	84.0	0.0	81.4
Mar	1856.7	0.0	0.0	1280.0	466.9	109.8	0.0	62.8	0.4	0.0	98.0	0.0	148.5
Apr	642.4	0.0	0.0	160.0	324.9	157.5	0.0	87.5	0.7	0.0	175.0	0.0	102.5
May	1118.2	0.0	0.0	528.0	416.4	173.7	0.0	118.3	0.0	0.0	280.0	0.0	139.0
Jun	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	82.5	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	114.3	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	458.1	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	1168.9	0.7	0.0	140.0	0.2	219.1
Dec	601.3	0.0	0.0	0.0	236.2	365.1	0.0	995.8	0.8	0.0	320.0	0.0	241.9

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

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
Sub-total (2017)	12453.0	0.0	0.0	3168.0	6522.6	2762.4	0.0	3474.8	8.9	0.0	1921.1	0.2	1855.5
<b>2018</b>													
Jan	1015.3	0.0	0.0	0.0	574.1	441.2	0.0	634.6	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	14.2	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	647.5	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	253.4	0.3	0.0	100.0	0.0	252.5
May	2109.2	0.0	0.0	0.0	1593.3	515.9	0.0	179.4	0.4	0.0	70.0	0.0	311.4
Jun	1697.6	0.0	0.0	0.0	1162.4	535.2	0.0	81.3	0.3	0.0	105.0	0.0	188.2
Jul	945.5	0.0	0.0	0.0	646.1	299.4	0.0	47.6	0.4	0.0	150.0	0.0	277.6
Aug	730.8	0.0	0.0	0.0	461.4	269.4	0.0	29.3	0.0	0.0	40.0	0.0	109.1
Sep	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oct	1193.1	0.0	0.0	0.0	895.7	297.5	0.0	130.8	2.7	0.0	200.0	0.0	116.6
Nov	1608.9	0.0	0.0	0.0	841.1	767.7	0.0	142.4	1.1	0.0	245.0	0.0	213.9
Dec	1313.8	0.0	0.0	170.4	341.9	801.5	0.0	352.7	0.8	0.0	180.0	0.0	198.2
Sub-total (2018)	15911.4	0.0	0.0	170.4	10768.7	4972.3	0.0	2513.1	9.9	0.0	1335.0	0.0	2270.2
<b>2019</b>													
Jan	1632.5	0.0	0.0	153.6	572.3	906.6	0.0	637.8	0.8	0.0	40.0	0.0	303.9
Feb	618.5	0.0	0.0	0.0	397.4	221.2	0.0	149.3	1.2	0.0	20.0	0.0	429.7
Mar	1555.1	0.0	0.0	441.6	920.2	193.2	0.0	381.2	0.0	0.0	20.0	0.0	645.2
Apr	327.4	0.0	0.0	0.0	127.3	200.2	0.0	291.4	1.3	0.0	300.0	0.9	477.4
May	712.8	0.0	0.0	361.9	116.7	234.3	0.0	197.4	0.8	0.0	320.0	0.0	531.1
Jun	219.9	0.0	0.0	0.0	95.6	124.4	0.0	199.6	0.5	0.0	350.0	0.0	448.0
Jul	445.8	0.0	0.0	0.0	171.6	274.1	0.0	137.7	1.1	0.0	300.0	0.6	553.1
Aug	692.6	0.0	0.0	55.2	354.1	283.3	0.0	139.1	0.0	0.0	0.0	0.0	596.8
Sep	549.4	0.0	0.0	72.0	218.2	259.2	0.0	367.8	0.0	0.0	420.0	0.0	560.5
Oct	373.0	0.0	0.0	0.0	204.4	168.6	0.0	161.9	0.0	1.2	450.0	0.4	657.7
Nov	681.1	0.0	0.0	192.0	263.0	226.1	0.0	143.9	0.7	0.9	380.0	0.0	659.8
Dec	727.5	0.0	0.0	240.0	341.0	146.5	0.0	476.1	0.8	0.7	345.0	0.0	682.3
Sub-total (2019)	8535.5	0.0	0.0	1516.3	3781.6	3237.7	0.0	3283.2	7.1	2.8	2945.0	1.9	6545.5
<b>2020</b>													

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

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in 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)
Jan	404.3	0.0	0.0	0.0	351.1	53.2	0.0	224.2	0.8	0.0	335.0	0.0	523.7
Feb	699.4	0.0	0.0	144.0	511.3	44.1	0.0	61.0	1.7	1.6	280.0	0.0	333.2
Mar	613.8	0.0	0.0	144.0	459.4	10.4	0.0	220.0	0.6	0.7	120.0	0.0	394.9
Sub-total (2020)	1717.5	0.0	0.0	288.0	1321.8	107.7	0.0	505.3	3.0	2.4	735.0	0.0	1251.8
<b>Total</b>	<b>249011.2</b>	<b>0.0</b>	<b>25232.0</b>	<b>142460.1</b>	<b>70072.7</b>	<b>11246.4</b>	<b>0.0</b>	<b>10693.7</b>	<b>31.3</b>	<b>5.1</b>	<b>7336.2</b>	<b>3.2</b>	<b>12918.5</b>

Note:

- 0 tonnes, 20.69 tonnes, 438.74 tonnes, 10.39 tonnes of inert C&D material were disposed of as public fill to Chai Wan Public Fill Barging Point, Tuen Mun Area 38, Tseung Kwan O Area 137 Public Fill and Tseung Kwan O Area 137 Sorting Facility 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.(8) Ming Tai warehouses (9) No.1 Plantation Road; (10) L1 Lyric Theatre



**L1**

**Table I-2: Monthly Waste Flow Table for L1**

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

**Table I-2: Monthly Waste Flow Table for L1**

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
<b>2018</b>													
Jan	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
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	6120.2	0.0	0.0	5782.0	338.2	0.0	0.0	0.0	0.0	1.0	0.0	0.5	17.6
Apr	14460.3	0.0	0.0	12484.1	1976.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	7.6
May	59783.7	0.0	0.0	46989.0	12794.7	0.0	0.0	59.6	0.0	0.0	0.0	0.0	9.4
Jun	53117.5	0.0	0.0	37642.8	15474.7	0.0	0.0	51.5	0.2	0.0	0.0	0.0	12.8
Jul	89901.5	0.0	0.0	85317.1	4584.4	0.0	165.1	114.6	0.0	0.0	0.0	0.0	41.3
Aug	35137.3	0.0	0.0	33731.6	1405.7	0.0	214.3	148.1	0.0	0.0	0.0	0.0	48.5
Sep	4837.3	0.0	0.0	4641.2	109.2	87.0	174.6	40.0	0.0	0.0	0.0	0.0	179.2
Oct	19021.9	0.0	0.0	11301.0	7564.7	156.1	0.0	106.3	0.4	0.0	0.0	0.0	528.5
Nov	104165.3	0.0	0.0	79811.6	24348.4	5.3	0.0	54.5	0.0	0.6	0.0	0.0	31.5
Dec	62987.1	0.0	0.0	51284.4	11697.1	5.6	0.0	95.1	0.0	0.6	0.0	0.0	65.9
Sub-total (2018)	449532.1	0.0	0.0	368984.8	80293.2	254.0	553.9	669.7	0.5	2.4	0.0	0.5	943.7
<b>2019</b>													
Jan	74479.1	0.0	0.0	69249.5	5229.7	0.0	318.0	326.7	0.2	0.0	0.0	0.0	76.3
Feb	21969.9	0.0	0.0	17723.9	4246.0	0.0	16.5	55.2	0.0	0.0	0.0	0.0	26.7
Mar	19311.4	0.0	0.0	8569.4	10742.0	0.0	337.8	64.5	0.0	0.0	0.0	0.0	36.3
Apr	28559.9	0.0	0.0	21280.3	7279.6	0.0	0.0	32.6	0.0	0.8	0.0	0.0	24.9
May	45418.0	0.0	0.0	11200.6	34217.4	0.0	0.0	27.4	0.2	0.5	0.0	0.0	33.7
Jun	66763.1	0.0	0.0	24009.7	42742.5	10.9	59.2	11.9	0.0	0.9	0.0	0.0	35.3
Jul	36606.6	0.0	0.0	1632.7	34947.9	26.0	64.4	120.7	0.0	0.0	0.0	0.0	57.9
Aug	2512.9	0.0	0.0	0.0	2485.1	27.8	31.9	40.2	0.0	0.8	0.0	0.0	66.3
Sep	4103.2	0.0	0.0	0.0	4074.2	28.9	95.2	19.0	0.0	0.6	0.0	0.0	127.4
Oct	6954.9	0.0	0.0	0.0	6928.7	26.1	15.9	11.4	0.2	1.0	0.0	0.6	223.6
Nov	5319.2	0.0	0.0	0.0	5289.0	30.3	0.0	8.9	0.0	0.0	0.0	0.0	151.6
Dec	6236.8	0.0	0.0	0.0	6236.8	0.0	0.0	70.6	0.0	0.0	0.0	0.0	98.9
Sub-total (2019)	318234.9	0.0	0.0	153666.0	164418.8	150.1	938.9	788.8	0.6	4.6	0.0	0.6	959.0
<b>2020</b>													
Jan	7089.9	0.0	0.0	0.0	7089.9	0.0	0.0	10.6	0.2	0.0	0.0	0.0	65.7
Feb	16822.3	0.0	0.0	0.0	16822.3	0.0	0.0	232.2	0.1	0.0	0.0	0.0	66.3
Mar	6559.0	0.0	0.0	0.0	6559.0	0.0	110.4	63.1	0.0	0.0	0.0	0.0	138.3
Sub-total (2020)	30471.2	0.0	0.0	0.0	30471.2	0.0	110.4	305.9	0.3	0.0	0.0	0.0	270.3

**Table I-2: Monthly Waste Flow Table for L1**

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
<b>Total</b>	<b>972470.1</b>	<b>0.0</b>	<b>0.0</b>	<b>541701.9</b>	<b>430340.7</b>	<b>427.5</b>	<b>1603.2</b>	<b>2285.9</b>	<b>2.5</b>	<b>8.5</b>	<b>0.0</b>	<b>12.5</b>	<b>2501.8</b>

Note:  
 - 1,976.12 tonnes and 4,582.91 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137 Public Fill and Tuen Mun Area 38 Public Fill respectively in the reporting month.

**L2**



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

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

EM&A Ref.	Recommendation Measures	M+ Museum	Implementation Stage	
			L1	L2
<b>Air Quality Impact (Construction)</b>				
2.1 & 10.3.1	<p><b>General Dust Control Measures</b></p> <p>Frequent water spraying for active construction areas (12 times a day or once every one hour), including Heavy construction activities such as construction of buildings or roads, drilling, ground excavation, cut and fill operations (i.e., earth moving)</p>	Obs	✓	✓
2.1 & 10.3.1	<p><b>Best Practice For Dust Control</b></p> <p>The relevant best practices for dust control as stipulated in the Air Pollution Control (construction Dust) Regulation should be adopted to further reduce the construction dust impacts from the Project. These best practices include:</p> <p><i>Good Site Management</i></p> <ul style="list-style-type: none"> <li>• Good site management is important to help reducing potential air quality impact down to an acceptable level. As a general guide, the Contractor should maintain high standard of housekeeping to prevent emission of fugitive dust. Loading, unloading, handling and storage of raw materials, wastes or by-products should be carried out in a manner so as to minimise the release of visible dust emission. Any piles of materials accumulated on or around the work areas should be cleaned up regularly. Cleaning, repair and maintenance of all plant facilities within the work areas should be carried out in a manner minimising generation of fugitive dust emissions. The material should be handled properly to prevent fugitive dust emission before cleaning.</li> </ul> <p><i>Disturbed Parts of the Roads</i></p> <ul style="list-style-type: none"> <li>• Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials; or</li> <li>• Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet.</li> </ul> <p><i>Exposed Earth</i></p>	Rem	Rem	Rem
		✓	✓	✓
		✓	✓	✓



EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
	<ul style="list-style-type: none"> <li>Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or seeding with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies.</li> </ul>	N/A	N/A	N/A
	<i>Loading, Unloading or Transfer of Dusty Materials</i>			
	<ul style="list-style-type: none"> <li>All dusty materials should be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet.</li> </ul>	✓	✓	✓
	<i>Debris Handling</i>			
	<ul style="list-style-type: none"> <li>Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides.</li> </ul>	Obs	✓	✓
	<ul style="list-style-type: none"> <li>Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped.</li> </ul>	✓	✓	✓
	<i>Transport of Dusty Materials</i>			
	<ul style="list-style-type: none"> <li>Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards.</li> </ul>	✓	✓	✓
	<i>Wheel washing</i>			
	<ul style="list-style-type: none"> <li>Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.</li> </ul>	✓	✓	✓
	<i>Use of vehicles</i>			
	<ul style="list-style-type: none"> <li>The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site.</li> </ul>	✓	✓	✓
	<ul style="list-style-type: none"> <li>Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.</li> </ul>	✓	✓	✓
	<ul style="list-style-type: none"> <li>Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle.</li> </ul>	✓	✓	✓
	<i>Site hoarding</i>			

EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
	<ul style="list-style-type: none"> <li>Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit.</li> </ul>	✓	✓	✓
2.1 & 10.3.1	<p><b>Best Practicable Means for Cement Works (Concrete Batching Plant)</b></p> <p>The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant) BPM 3/2(93) should be followed and implemented to further reduce the construction dust impacts of the Project. These best practices include:</p> <p>Exhaust from Dust Arrestment Plant</p> <ul style="list-style-type: none"> <li>Wherever possible the final discharge point from particulate matter arrestment plant, where is not necessary to achieve dispersion from residual pollutants, should be at low level to minimise the effect on the local community in the case of abnormal emissions and to facilitate maintenance and inspection</li> </ul> <p>Emission Limits</p> <ul style="list-style-type: none"> <li>All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke</li> </ul> <p>Engineering Design/Technical Requirements</p> <ul style="list-style-type: none"> <li>As a general guidance, the loading, unloading, handling and storage of fuel, raw materials, products, wastes or by-products should be carried out in a manner so as to prevent the release of visible dust and/or other noxious or offensive emissions</li> </ul>	N/A	N/A	N/A
-	<p><b>Non-Road Mobile Machinery (NRMM):</b></p> <p>All NRMMs operating on-site which are subject to emission control of Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation are approved/exempted (as the case may be) and affixed with the requisite approval/exemption labels.</p>	✓	✓	✓
<b>Noise Impact (Construction)</b>				
3.1 & 10.4.1	<p><b>Good Site Practice</b></p> <p>Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:</p>			

EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
	<ul style="list-style-type: none"> <li>only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works;</li> <li>machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum</li> <li>plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs;</li> <li>mobile plant should be sited as far away from NSRs as possible; and</li> <li>material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities.</li> </ul>	✓	✓	✓
3.1 & 10.4.1	<p><b>Adoption of Quieter PME</b></p> <p>The recommended quieter PME adopted in the assessment were taken from the EPD's QPME Inventory and "Sound Power Levels of Other Commonly Used PME" are presented in <b>Table 4.26</b> in the EIA report. It should be noted that the silenced PME selected for assessment can be found in Hong Kong.</p>	✓	✓	✓
3.1 & 10.4.1	<p><b>Use of Movable Noise Barriers</b></p> <p>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.</p>	✓	✓	✓
3.1 & 10.4.1	<p><b>Use of Noise Enclosure/ Acoustic Shed</b></p> <p>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.</p>	✓	✓	✓
3.1 & 10.4.1	<p><b>Use of Noise Insulating Fabric</b></p> <p>Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, piling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR-127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.</p>	✓	✓	✓
3.1 &	<p><b>Scheduling of Construction Works outside School Examination Periods</b></p>			

EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
10.4.1	During construction phase, the contractor should liaise with the educational institutions (including NSRs LCS and CRGPS) to obtain the examination schedule and avoid the noisy construction activities during school examination periods.	N/A	N/A	N/A
<b>Water Quality Impact (Construction)</b>				
4.1 & 10.5.1	<p><b>Construction site runoff and drainage</b></p> <p>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:</p> <ul style="list-style-type: none"> <li>At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the WKCDA's Contractor prior to the commencement of construction;</li> <li>Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the WKCDA's Contractor prior to the commencement of construction.</li> <li>All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit should be regularly removed, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.</li> </ul>	✓	Rem	✓
		✓	✓	✓
		✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
	<ul style="list-style-type: none"> <li>Measures should be taken to minimize the ingress of site drainage into excavations. If excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from foundation excavations should be discharged into storm drains via silt removal facilities.</li> </ul>	✓	✓	✓
	<ul style="list-style-type: none"> <li>All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facility should be provided at construction site exit where practicable. Wash-water should have sand and silt settled out and removed regularly to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.</li> </ul>	✓	✓	✓
	<ul style="list-style-type: none"> <li>Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.</li> </ul>	✓	✓	✓
	<ul style="list-style-type: none"> <li>Manholes (including newly constructed ones) should be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and stormwater runoff being directed into foul sewers.</li> </ul>	✓	✓	✓
	<ul style="list-style-type: none"> <li>Precautions should be taken at any time of the year when rainstorms are likely. Actions should be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC Note PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes.</li> </ul>	✓	✓	✓
	<ul style="list-style-type: none"> <li>Bentonite slurries used in piling or slurry walling should be reconditioned and reused wherever practicable. Temporary enclosed storage locations should be provided on-site for any unused bentonite that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC Note PN 1/94 should be adhered to in the handling and disposal of bentonite slurries.</li> </ul>	N/A	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
	<p><b>Barging facilities and activities</b></p> <p>Recommendations for good site practices during operation of the proposed barging point include:</p> <ul style="list-style-type: none"> <li>All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash;</li> <li>Loading of barges and hoppers should be controlled to prevent splashing of material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation;</li> <li>All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; and</li> <li>Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site.</li> </ul>	N/A	N/A	N/A
4.1 & 10.5.1	<p><b>Sewage effluent from construction workforce</b></p> <p>Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.</p>	✓	✓	✓
4.1 & 10.5.1	<p><b>General construction activities</b></p> <ul style="list-style-type: none"> <li>Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used.</li> <li>Oils and fuels should only be stored in designated areas which have pollution prevention facilities. To prevent spillage of fuels and solvents to any nearby storm water drain, all fuel tanks and storage areas should be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event.</li> </ul>	✓	✓	✓
<b>Waste Management Implications (Construction)</b>				
6.1 &	<b>Good Site Practices</b>			

EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
10.7.1	<p>Recommendations for good site practices during the construction activities include:</p> <ul style="list-style-type: none"> <li>• Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site</li> <li>• Training of site personnel in proper waste management and chemical handling procedures</li> <li>• Provision of sufficient waste disposal points and regular collection of waste</li> <li>• Appropriate measures to minimise windblown litter and dust/odour during transportation of waste by either covering trucks or by transporting wastes in enclosed containers</li> <li>• Provision of wheel washing facilities before the trucks leaving the works area so as to minimise dust introduction to public roads</li> <li>• Well planned delivery programme for offsite disposal such that adverse environmental impact from transporting the inert or non-inert C&amp;D materials is not anticipated</li> </ul>	✓	✓	✓
6.1 & 10.7.1	<p><b>Waste Reduction Measures</b></p> <p>Recommendations to achieve waste reduction include:</p> <ul style="list-style-type: none"> <li>• Sort inert C&amp;D material to recover any recyclable portions such as metals</li> <li>• Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal</li> <li>• Encourage collection of recyclable waste such as waste paper and aluminium cans by providing separate labelled bins to enable such waste to be segregated from other general refuse generated by the work force</li> <li>• Proper site practices to minimise the potential for damage or contamination of inert C&amp;D materials</li> </ul>	Rem	✓	✓
		✓	✓	✓
		✓	✓	✓
		✓	✓	✓
		✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
	<ul style="list-style-type: none"> <li>Plan the use of construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of wastes</li> </ul>	✓	✓	✓
6.1 & 10.7.1	<p><b>Inert and Non-inert C&amp;D Materials</b></p> <p>In order to minimise impacts resulting from collection and transportation of inert C&amp;D material for off-site disposal, the excavated materials should be reused on-site as fill material as far as practicable. In addition, inert C&amp;D material generated from excavation works could be reused as fill materials in local projects that require public fill for reclamation.</p> <ul style="list-style-type: none"> <li>The surplus inert C&amp;D material will be disposed of at the Government's PFRFs for beneficial use by other projects in Hong Kong.</li> <li>Liaison with the CEDD Public Fill Committee (PFC) on the allocation of space for disposal of the inert C&amp;D materials at PFRF is underway. No construction work is allowed to proceed until all issues on management of inert C&amp;D materials have been resolved and all relevant arrangements have been endorsed by the relevant authorities including PFC and EPD.</li> <li>The C&amp;D materials generated from general site clearance should be sorted on site to segregate any inert materials for reuse or disposal of at PFRFs whereas the non-inert materials will be disposed of at the designated landfill site.</li> <li>In order to monitor the disposal of inert and non-inert C&amp;D materials at respectively PFRFs and the designated landfill site, and to control fly-tipping, it is recommended that the Contractor should follow the Technical Circular (Works) No. 6/2010 for Trip Ticket System for Disposal of Construction &amp; Demolition Materials issued by Development Bureau. In addition, it is also recommended that the Contractor should prepare and implement a Waste Management Plan detailing their various waste arising and waste management practices in accordance with the relevant requirements of the Technical Circular (Works) No. 19/2005 Environmental Management on Construction Site.</li> </ul>	✓	✓	✓



EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
6.1 & 10.7.1	<b>Chemical Waste</b>			
	<ul style="list-style-type: none"> <li>If chemical wastes are produced at the construction site, the Contractor will be required to register with the EPD as a chemical waste producer and to follow the guidelines stated in the "Code of Practice on the Packaging Labelling and Storage of Chemical Wastes". Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor should use a licensed collector to transport and dispose of the chemical wastes at the approved Chemical Waste Treatment Centre or other licensed recycling facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.</li> <li>Potential environmental impacts arising from the handling activities (including storage, collection, transportation and disposal of chemical waste) are expected to be minimal with the implementation of appropriate mitigation measures as recommended.</li> </ul>	✓	✓	✓
6.1 & 10.7.1	<b>General Refuse</b>			
	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.	Obs	✓	✓
		✓	✓	✓
<b>Land Contamination (Construction)</b>				

EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
7.1 & 10.8.1	<p>The potential for land contamination issues at the TST Fire Station due to its future relocation will be confirmed by site investigation after land acquisition. Where necessary, mitigation measures for minimising potential exposure to contaminated materials (if any) or remediation measures will be identified. If contaminated land is identified (e.g., during decommissioning of fuel oil storage tanks) after the commencement of works, mitigation measures are proposed in order to minimise the potentially adverse effects on the health and safety of construction workers and impacts arising from the disposal of potentially contaminated materials.</p> <p>The following measures are proposed for excavation and transportation of contaminated material:</p> <ul style="list-style-type: none"> <li>• To minimize the chance for construction workers to come into contact with any contaminated materials, bulk earth-moving excavation equipment should be employed;</li> <li>• Contact with contaminated materials can be minimised by wearing appropriate clothing and personal protective equipment such as gloves and masks (especially when interacting directly with contaminated material), provision of washing facilities and prohibition of smoking and eating on site;</li> <li>• Stockpiling of contaminated excavated materials on site should be avoided as far as possible;</li> <li>• The use of contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out;</li> <li>• Vehicles containing any contaminated excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater;</li> <li>• Truck bodies and tailgates should be sealed to stop any discharge;</li> <li>• 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;</li> <li>• Speed control for trucks carrying contaminated materials should be exercised;</li> </ul>	N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A
		N/A	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
	<ul style="list-style-type: none"> <li>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</li> <li>Maintain records of waste generation and disposal quantities and disposal arrangements.</li> </ul>	N/A	N/A	N/A
<b>Ecological Impact (Construction)</b>				
No mitigation measure is required.				
<b>Landscaping and Visual Impact (Construction)</b>				
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	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	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	N/A
Table 9.1 & 10.8 (CM4)	Softscape treatments such as vertical green wall panel /planting of climbing and/or weeping plants, etc, to maximize the green coverage and soften the hard architectural and engineering structures and facilities.	N/A	N/A	N/A
Table 9.1 & 10.8 (CM5)	Roof greening by means of intensive and extensive green roof to maximize the green coverage and improve aesthetic appeal and visual quality of the building/structure.	N/A	N/A	N/A
Table 9.1 & 10.8 (CM6)	Sensitive streetscape design should be incorporated along all new roads and streets.	N/A	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage		
		M+ Museum	L1	L2
Table 9.1 & 10.8 (CM7)	Structure, ornamental planting shall be provided along amenity strips to enhance the landscape quality.	N/A	N/A	N/A
Table 9.1 & 10.8 (CM8)	Landscape design shall be incorporated to architectural and engineering structures in order to provide aesthetically pleasing designs.	N/A	N/A	N/A
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	N/A
Table 9.2 & 10.9 (MCP1)	Use of decorative screen hoarding/boards	✓	✓	✓
Table 9.2 & 10.9 (MCP2)	Early introduction of landscape treatments	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP3)	Adoption of light colour for the temporary ventilation shafts for the basement during the transition period.	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP4)	Control of night time lighting	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP5)	Use of greenery such as grass cover for the temporary open areas will help achieve the visual balance and soften the hard edges of the structures.	N/A	N/A	N/A

- N/A - 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	0	0	0
From 31 October 2015 to end of the reporting month	8	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	1	0	0
From 1 March 2016 to end of the reporting month	11	0	0

