



Development at West Kowloon Cultural District

Monthly Environmental Monitoring and Audit
(EM&A) Report for December 2019

January 2020

3/F International Trade Tower
348 Kwun Tong Road
Kwun Tong
Kowloon
Hong Kong

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

Development at West Kowloon Cultural District

Monthly Environmental Monitoring and Audit
(EM&A) Report for December 2019

January 2020

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:



C.K. Wu

Environmental Team Leader (ETL)

West Kowloon Cultural District Authority

Date

13 January 2020

Verified by:



Fredrick Leong

Independent Environmental Checker (IEC)

Meinhardt Infrastructure & Environment Ltd

Date

14 Jan 2020

Contents

Executive Summary	1
1 Introduction	3
1.1 Background	3
1.2 Project Organisation	3
1.3 Environmental Status in the Reporting Period	3
1.4 Summary of EM&A Requirements	4
2 Impact Monitoring Methodology	6
2.1 Introduction	6
2.2 Air Quality	6
2.2.1 Monitoring Parameters, Frequency and Duration	6
2.2.2 Monitoring Locations	6
2.2.3 Monitoring Equipment	6
2.2.4 Monitoring Methodology	7
2.3 Noise	8
2.3.1 Monitoring Parameters, Frequency and Duration	8
2.3.2 Monitoring Location	9
2.3.3 Monitoring Equipment	9
2.3.4 Monitoring Methodology	9
2.4 Landscape and Visual	10
2.4.1 Monitoring Program	10
3 Monitoring Results	11
3.1 Impact Monitoring	11
3.2 Air Quality Monitoring	11
3.2.1 1-hour TSP	11
3.2.2 24-hour TSP	11
3.3 Noise Monitoring	12
3.4 Landscape and Visual Impact	12
4 Environmental Site Inspection	13
4.1 Site Inspection	13
4.1.1 M+ Museum	13
4.1.2 Lyric Theatre Complex	13
4.2 Advice on the Solid and Liquid Waste Management Status	14
4.2.1 M+ Museum	14
4.2.2 Lyric Theatre Complex	14
4.3 Status of Environmental Licenses and Permits	15
4.3.1 M+ Museum	15

4.3.2	Lyric Theatre Complex	15
4.4	Recommended Mitigation Measures	15
4.4.1	M+ Museum	16
4.4.2	Lyric Theatre Complex	16
5	Compliance with Environmental Permit	17
6	Report in Non-compliance, Complaints, Notification of Summons and Successful Prosecutions	18
6.1	Record on Non-compliance of Action and Limit Levels	18
6.2	Record on Environmental Complaints Received	18
6.3	Record on Notifications of Summons and Successful Prosecution	18
7	Future Key Issues	19
7.1	Construction Works for the Coming Month(s)	19
7.1.1	M+ Museum	19
7.1.2	Lyric Theatre Complex	19
7.2	Key Issues for the Coming Month	19
7.2.1	M+ Museum	19
7.2.2	Lyric Theatre Complex	20
7.3	Monitoring Schedule for the Coming Month	20
8	Conclusions and Recommendations	21
8.1	Conclusions	21
8.2	Recommendations	21
Figure 1	Site Layout Plan and Monitoring Stations	22
	Appendices	23
A.	Project Organisation	24
B.	Tentative Construction Programme	25
C.	Action and Limit Levels for Construction Phase	26
D.	Event and Action Plan for Air Quality, Noise, Landscape and Visual Impact	27
E.	Monitoring Schedule	28
F.	Calibration Certifications	29
G.	Graphical Plots of the Monitoring Results	30

H.	Meteorological Data Extracted from Hong Kong Observatory	31
I.	Waste Flow table	32
J.	Environmental Mitigation Measures – Implementation Status	33
K.	Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions	34

Executive Summary

Mott MacDonald Hong Kong Limited (MMHK) was commissioned to undertake the Environmental Team (ET) services (including environmental monitoring and audit (EM&A)) for the construction of M+ Museum Main Works (Contract No.: CC/2015/3A/022) and Lyric Theatre Complex including the Foundation Works (Contract No.: CC/2015/3A/014) and L1 Contract (Contract No. CC/2017/3A/030) at West Kowloon Cultural District (WKCD) (The Project) as part of the WKCD development. The Project Proponent is the West Kowloon Cultural District Authority (WKCD). 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 from 1 December to 31 December 2019.

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, 19, 24 and 31 December 2019 for M+ Museum and 4, 11, 18 and 27 December 2019 for Lyric Theatre Complex to confirm the implementation measures undertaken by the Contractors in the reporting month. The outcomes are presented in Section 4 and the status of implementation of mitigation measures in the site is shown in **Appendix J**.

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

FEHD site inspection with contractor was conducted on 27 December 2019 at Lyric Theatre Complex. No adverse comment was made.

Record of Complaints

No 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
- Facade
 - Installation of panels on M+ tower completed
 - Installation of panels on RDE completed
- MEP
 - BEL, ELV, BFS, BPD, BME works from B2 to 3/F of M+
 - BEL, ELV, BFS, BPD, BME works from G/F to 15/F of RDE
 - BEL, ELV, BFS, BPD, BME works from G/F to 8/F of CSF
- ABWF
 - Block wall erection, Floor screed for plant room area and corridor area, wall plastering, raised floor & dry wall work up to 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

The major site works for Lyric Theatre Complex 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

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

1 Introduction

1.1 Background

Mott MacDonald Hong Kong Limited (MMHK) was commissioned to undertake the Environmental Team (ET) services (including environmental monitoring and audit (EM&A)) for the construction of M+ Museum Main Works (Contract No.: CC/2015/3A/022) and Lyric Theatre Complex including the Foundation Works (Contract No.: CC/2015/3A/014) and L1 Contract (Contract No. CC/2017/3A/030) at West Kowloon Cultural District (WKCD) (The Project) as part of the WKCD development. The Project Proponent is the West Kowloon Cultural District Authority (WKCDA). The construction works and EM&A programme for M+ Museum and Lyric Theatre Complex commenced on 31 October 2015 and 1 March 2016 respectively.

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

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

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

The Monthly EM&A Report is prepared in accordance with the Condition 3.4 of the Environmental Permit No. EP-453/2013/B. This Monthly EM&A Report presents the monitoring works at M+ Museum and Lyric Theatre Complex from 1 December to 31 December 2019. 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 3/F of M+
 - BEL, ELV, BFS, BPD, BME works from G/F to 15/F of RDE
 - BEL, ELV, BFS, BPD, BME works from G/F to 8/F of CSF
- ABWF
 - Block wall erection, Floor screed for plant room area and corridor area, wall plastering, raised floor & dry wall work up to 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 12/F
 - Fairface remedial work, gypsum block, waterproofing, floor screed, foamglas and gypsum block, skim coat and painting, self-levelling screed, floating floor of CSF building from 1/F to 8/F

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

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

The Construction Works Programme of M+ Museum and Lyric Theatre Complex is provided in **Appendix B**. A layout plan of the Project is provided in **Figure 1**. Please refer to **Table 4.3** and **Table 4.4** 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	L _{eq} , 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	
High Volume Sampler	TE-5170 (Serial No.: 0767 and 8919)
Calibrator	TE-5025A (Orifice I.D.: 2454)
1-hour TSP monitoring	
Portable direct reading dust meter	Sibata LD-3B (Serial No.: 456668 and 276019)

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

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

2.2.4 Monitoring Methodology

24-hour TSP Monitoring

Installation

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

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

Preparation of Filter Papers

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

Field Monitoring Procedures

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

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

Maintenance and Calibration

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

1-hour TSP Monitoring

Field Monitoring

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

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

Maintenance and Calibration

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

Weather Condition

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

2.3 Noise

2.3.1 Monitoring Parameters, Frequency and Duration

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

Table 2.4: Noise Monitoring Parameters, Period and Frequency

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

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	03-Dec-19	13:19	91	62	60	27-91	273.7	500
	09-Dec-19	13:59	30	29	27			
	13-Dec-19	8:12	46	72	59			
	18-Dec-19	7:50	31	42	40			
	24-Dec-19	8:21	59	64	67			
	30-Dec-19	8:15	44	51	56			
AM2B	03-Dec-19	13:32	72	69	79	48-90	274.2	500
	09-Dec-19	13:12	48	56	50			
	13-Dec-19	8:26	79	82	90			
	18-Dec-19	8:06	61	49	56			
	24-Dec-19	8:37	63	66	59			
	30-Dec-19	8:28	77	79	82			

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	03-Dec-19	8:17	29	16-44	143.6	260
	09-Dec-19	7:57	16			
	13-Dec-19	8:10	39			
	18-Dec-19	7:48	37			
	24-Dec-19	8:19	44			
	30-Dec-19	8:13	39			
AM2B	03-Dec-19	8:30	78	61-87	151.1	260
	09-Dec-19	8:10	62			
	13-Dec-19	8:24	87			

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 ($\mu\text{g}/\text{m}^3$)
	18-Dec-19	8:04	64			
	24-Dec-19	8:35	78			
	30-Dec-19	8:30	61			

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	L_{eq} (30 mins)*, dB(A)	Limit Level for L_{eq} (dB(A))
03-Dec-19	10:35	11:05	69	
09-Dec-19	10:20	10:50	69	
18-Dec-19	10:14	10:44	69	75
24-Dec-19	10:40	11:10	68	
30-Dec-19	10:38	11:08	69	

Remarks:

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

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

3.4 Landscape and Visual Impact

Landscape and visual impact inspections were conducted as part of the weekly site inspections on 10 and 24 December 2019 for M+ Museum, and 4 and 18 December 2019 for Lyric Theatre Complex during the reporting month. As reviewed by the registered Landscape Architect, no adverse comment on landscape and visual aspects was made during these inspections.

The landscape and visual mitigation measures were implemented during the reporting period. The summary of implementation status of the environmental mitigation measures 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, 19, 24 and 31 December 2019. The joint site inspection with IEC, ET, ER and Contractor was held on 10 December 2019. All observations have been recorded in the site inspection checklist and passed to the Contractor together with the appropriate recommended mitigation measures where necessary.

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

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

Inspection Date	Parameter	Observation / Recommendation	Contactor's Responses / Action(s) Undertaken	Close-out (Date)
03-Dec-19	Water quality	Effluent quality of wetsep was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
10-Dec-19	Water quality	Effluent quality of wetsep was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
19-Dec-19	Water quality	Effluent quality of wetsep was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
24-Dec-19	Water quality	Effluent quality of wetsep was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A
24-Dec-19	Noise impact	The contractor was reminded to post a valid licence (i.e CNP) and contact person list outside man gate B	The contractor has posted the CNP and updated contact list outside the man gate B.	27-Dec-19
31-Dec-19	Water quality	No drip tray was observed for chemicals at material storage area. The contractor was reminded to provide suitable drip tray for those chemicals.	The contractor has provided suitable drip tray for the chemicals.	31-Dec-19
31-Dec-19	Water quality	Effluent quality of wetsep was checked. It was found visually clear when comparing with standard solution and within proper pH range.	N/A	N/A

4.1.2 Lyric Theatre Complex

Construction phase weekly site inspections were carried out on 4, 11, 18 and 27 December 2019. The joint site inspection with IEC, ET, ER and Contractor was held on 18 December 2019. 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 27 December 2019. Main cofferdam had inspected. No adverse comment was made.

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

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

Inspection Date	Parameter	Observation / Recommendation	Contractor's Responses / Action(s) Undertaken	Close-out (Date)
11-Dec-19	Waste Management	Stagnant water was observed at drip tray. The contractor was reminded to clean up the stagnant water to prevent leakage of chemical.	The contractor has cleaned up the stagnant water inside the drip tray.	11-Dec-19
11-Dec-19	Water Quality	The contractor was reminded to ensure the pH probe (wetsep 1) could function properly to keep good quality of discharge water.	The contractor has rinsed the pH probe to ensure the wetsep can function properly.	11-Dec-19
18-Dec-19	Air Quality	Opened cement bag was observed on site. The contractor was reminded to remove it or storage it at a suitable place.	The contractor has removed the opened cement bag.	24-Dec-19
18-Dec-19	Waste Management	Chemical without drip tray was observed. The contractor was reminded to remove it or provide a suitable drip tray for the chemical.	The contractor has removed the chemical.	24-Dec-19
27-Dec-19	Water Quality	Chemical remnants were observed at wetsep. The contractor was reminded to clear the remnants to keep good quality of discharge water.	The contractor has removed the chemical remnants at wetsep.	On going

4.2 Advice on the Solid and Liquid Waste Management Status

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

4.2.1 M+ Museum

As advised by the Contractor, 0.0 tonnes, 14.56 tonnes, 326.39 tonnes, 146.51 tonnes of inert C&D material were disposed of as public fill to Chai Wan Public Fill Barging Point, Fill Bank at Tuen Mun Area 38, Fill Bank at Tseung Kwan O Area 137 and Sorting Facilities at Tseung Kwan O Area 137 respectively, while 682.3 tonnes of general refuse were disposed of at SENT landfill. 105.7 tonnes of metals, 0.7 tonne of paper/cardboard packaging, 0.0 tonne of plastic and 345.0 tonnes of timber were collected by recycling contractors in the reporting month. 0.0 tonne of inert C&D materials was reused on site. 240.0 tonnes of inert C&D materials were 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 Contractor, 1,821.36 tonnes and 4,415.42 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, while 98.9 tonnes of general refuse were disposed of at SENT and WENT landfill. 70.6 tonnes of metals, 0.0 tonne of paper/cardboard packaging, 0.0 tonne of plastic and 0.0 tonne of timber was collected by recycling contractors in the reporting month. 0.0 tonne of inert C&D materials was reused on site. 0.0 tonnes of inert C&D materials were reused in other projects and 0.0 tonnes of inert C&D materials were imported for reuse at site. 0.0 tonnes of inert C&D materials were 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 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 **Tables 4.3** and **4.4**.

4.3.1 M+ Museum

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

Permit / License No. / Notification / Reference No.	Valid Period		Status	Remarks
	From	To		
Chemical Waste Producer Registration				
WPN5213-217-G2347-53	04-Oct-18	--	Valid	--
Billing Account Construction Waste Disposal				
7031993	03-Oct-18	--	Account Active	--
Construction Noise Permit				
GW-RE0669-19	28-Aug-19	26-Feb-20	Cancelled	--
GW-RE0973-19	10-Dec-19	26-May-20	Valid	This new construction noise permit was applied to replace the existing permit
Wastewater Discharge License				
WT-00033363-2019	21-Mar-19	31-Mar-24	Valid	--
Notification under Air Pollution Control (Construction Dust) Regulation				
437339	12-Sep-18	--	Notified	--

4.3.2 Lyric Theatre Complex

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

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

4.4 Recommended Mitigation Measures

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

4.4.1 M+ Museum

Noise Quality

- CNP should be posted at prominent positions.

Waste Management

- Suitable drip trays should be provided for chemicals.

4.4.2 Lyric Theatre Complex

Waste Management

- Stagnant water at drip tray should be cleaned up regularly to prevent leakage of chemical.
- Suitable drip trays should be provided for chemicals.

Water Quality

- Ensure proper and efficient operation of the wastewater treatment facilities.

Air Quality

- Dusty materials should be covered entirely by impervious sheeting.

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 September 2019	13 December 2019

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

6.1 Record on Non-compliance of Action and Limit Levels

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

6.2 Record on Environmental Complaints Received

No environmental complaint was received in the reporting month.

The cumulative statistics on complaints were provided in **Appendix K**.

6.3 Record on Notifications of Summons and Successful Prosecution

No notifications of summons or successful 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
- Facade
 - Installation of panels on M+ tower completed
 - Installation of panels on RDE completed
- MEP
 - BEL, ELV, BFS, BPD, BME works from B2 to 3/F of M+
 - BEL, ELV, BFS, BPD, BME works from G/F to 15/F of RDE
 - BEL, ELV, BFS, BPD, BME works from G/F to 8/F of CSF
- ABWF
 - Block wall erection, Floor screed for plant room area and corridor area, wall plastering, raised floor & dry wall work up to 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

7.1.2 Lyric Theatre Complex

The major site works for Lyric Theatre Complex 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

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.

No 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

Appendices

A.	Project Organisation	24
B.	Tentative Construction Programme	25
C.	Action and Limit Levels for Construction Phase	26
D.	Event and Action Plan for Air Quality, Noise, Landscape and Visual Impact	27
E.	Monitoring Schedule	28
F.	Calibration Certifications	29
G.	Graphical Plots of the Monitoring Results	30
H.	Meteorological Data Extracted from Hong Kong Observatory	31
I.	Waste Flow table	32
J.	Environmental Mitigation Measures – Implementation Status	33
K.	Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions	34

A. Project Organisation

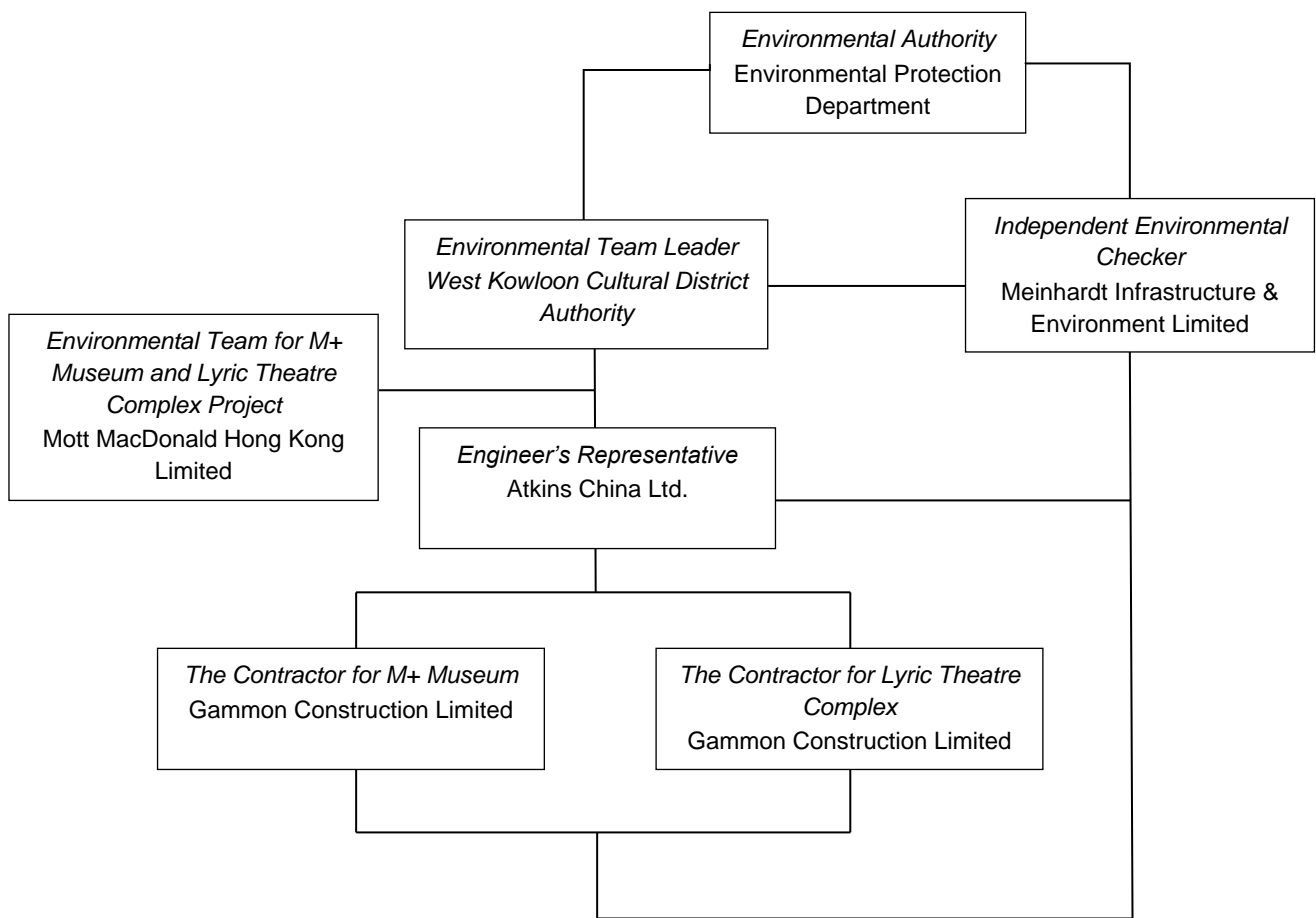


Table A-1: Contact information

Company Name	Role	Name	Telephone
Atkins China Ltd.	Assistant Resident Engineer	Ms. Gloria Lui	5506 6361
Meinhardt Infrastructure & Environment Limited	Independent Environmental Checker	Mr. Fredrick Leong	2859 1739
Gammon Construction Limited (M+ Museum)	Environmental Manager	Mr. Andy Leung	9489 0035
Gammon Construction Limited (Lyric Theatre Complex)	Environmental Manager	Ms. Sammie Chan	9864 4296
Mott MacDonald Hong Kong Ltd.	Contractor's Environmental Team Leader	Mr. Thomas Chan	2828 5757
West Kowloon Cultural District Authority	Senior Environmental Specialist	Mr. Brian Tam	2200 0059

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											
										2019		Qtr 1			Qtr 2			Qtr 3			
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
4006	POD_B2_Z01a_Corr - MEP final fix	9	10-Aug-19	30-Aug-19	20-May-19 A	12-Dec-19	-86	100%	80%												
4002	POD_B2_Z01a_Corr - Close ceiling (panels) incl. Cut-Outs	4	26-Jun-19	19-Jul-19	05-Jun-19 A	05-Dec-19	-116	100%	90%												
4005	POD_B2_Z01a_Corr - Doors/ 4nos. SR3 Doors & Ironmong	12	11-Sep-19	18-Sep-19	16-Sep-19 A	14-Dec-19	-73	100%	50%												
4007	POD_B2_Z01a_Corr - Floor sealer	9	31-Aug-19	10-Sep-19	10-Sep-19*	26-Dec-19	-88	100%	0%												
Fire Rated Corridors & Lobbies (Major Routings) @ North of G.L. 6' - POD_B2_Z01b																					
7515	POD_B2_Z01b_Corr - MEP 1st fix (rem works)	3	26-Feb-19	16-Apr-19	04-Mar-19 A	04-Dec-19	-193	100%	97%												
7517	POD_B2_Z01b_Corr - MEP 2nd fix	4	25-Apr-19	23-May-19	08-Apr-19 A	07-Dec-19	-165	100%	95%												
7521	POD_B2_Z01b_Corr - MEP final fix	12	19-Jul-19	29-Jul-19	21-May-19 A	18-Dec-19	-119	100%	88%												
7524	POD_B2_Z01b_Corr - Doors/ 2nos SR3 Doors & Ironmong	9	31-Aug-19	06-Sep-19	16-Sep-19 A	11-Dec-19	-79	100%	50%												
7519	POD_B2_Z01b_Corr - Close ceiling (panels) incl. Cut-Outs	6	24-May-19	04-Jun-19	14-Oct-19 A	11-Dec-19	-158	100%	80%												
7520	POD_B2_Z01b_Corr - Wall sealer	8	11-Jun-19	19-Jun-19	12-Dec-19	20-Dec-19	-154	100%	0%												
7523	POD_B2_Z01b_Corr - Floor sealer	4	30-Jul-19	02-Aug-19	12-Dec-19	26-Dec-19	-121	100%	0%												
BoH - CSF Plant Rooms - POD_B2_Z02																					
4031	POD_B2_Z02b_CSF FS/ Water Pump Rms - All Other Finishes / Make Good & Clea	12	07-Aug-19	20-Aug-19	03-Dec-19	16-Dec-19	-98	100%	0%												
BoH - CSF Plant Rooms - Other Plantrooms - POD_B2_Z02b																					
4026	POD_B2_Z02b_CSF FS/ Water Pump Rms - MEP final fix	3	19-Jul-19	01-Aug-19	10-Jun-19 A	04-Dec-19	-104	100%	95%												
4030	POD_B2_Z02b_CSF FS/ Water Pump Rms - Floor sealer	4	02-Aug-19	06-Aug-19	05-Dec-19	09-Dec-19	-104	100%	0%												
BoH - RDE Plant Rooms - POD_B2_Z03																					
6663	POD_B2_Z03_Plant Rms - All Other Finishes / Make Good & Clean	12	17-Aug-19	30-Aug-19	17-Dec-19	31-Dec-19	-101	100%	0%												
BoH - RDE Plant Rooms - Spr Wtr & FS Tanks @ G.L. H/J/ 1-3 - POD_B2_Z03a																					
6669	POD_B2_Z03a_SW & FS - Cat ladder & other misc. metal works	6	22-Apr-19	02-May-19	19-Aug-19 A	07-Dec-19	-183	100%	92%												
BoH - RDE Plant Rooms - Other Plantrooms @ G.L. L-M/ 3'-1 - POD_B2_Z03b																					
6656	POD_B2_Z03b_Other Plant Rms - MEP 2nd fix (incl. EQP)	6	24-Apr-19	22-May-19	04-Mar-19 A	07-Dec-19	-166	100%	94%												
6692	POD_B2_Z03b_Other Plant Rms - MEP final fix	12	19-Jul-19	01-Aug-19	08-Jul-19 A	14-Dec-19	-113	100%	80%												
6659	POD_B2_Z03b_Other Plant Rms - Door & Ironmong	6	10-Aug-19	23-Aug-19	16-Sep-19 A	07-Dec-19	-88	100%	90%												
6662	POD_B2_Z03b_Other Plant Rms - Floor sealer	7	02-Aug-19	09-Aug-19	16-Dec-19	23-Dec-19	-113	100%	0%												
6666	POD_B2_Z03b_Other Plant Rms - Rubber Fir @ ELE Rm & RDE Security Eqp Rm	6	02-Aug-19	08-Aug-19	16-Dec-19	21-Dec-19	-113	100%	0%												
BoH - M+ and Podium Plant Rooms - POD_B2_Z04																					
6701	POD_B2_Z04_BoH Rms - All Other Finishes / Make Good & Clean	18	21-Oct-19	09-Nov-19	23-Dec-19	14-Jan-20	-54	100%	0%												
BoH - M+ and Podium Plant Rooms - DCS & MCC @ G.L. G-M/ 11-13 - POD_B2_Z04a																					
6719	POD_B2_Z04a_DCS & MCC - Floor Self Leveling screed	14	27-Apr-19	14-May-19	09-Dec-19*	24-Dec-19	-187	100%	0%												
6720	POD_B2_Z04a_DCS & MCC - Floor sealer	9	15-May-19	24-May-19	26-Dec-19	06-Jan-20	-187	100%	0%												
BoH - M+ and Podium Plant Rooms - AHU Rm @ G.L. J-K/ 3-4 - POD_B2_Z04b																					
8761	POD_B2_Z04b_AHU - MEP 1st fix	3	26-Feb-19	09-Apr-19	05-Aug-19 A	04-Dec-19	-199	100%	98%												
6704	POD_B2_Z04b_AHU - MEP 2nd fix (incl. EQP)	4	11-May-19	31-May-19	19-Aug-19 A	06-Dec-19	-157	100%	98%												
6708	POD_B2_Z04b_AHU - MEP final fix	6	19-Jul-19	29-Jul-19	16-Oct-19 A	09-Dec-19	-111	100%	80%												
6709	POD_B2_Z04b_AHU - Floor screeding & self leveling screed	9	01-Jun-19	08-Jun-19	16-Sep-19 A	13-Dec-19	-157	100%	50%												
6710	POD_B2_Z04b_AHU - Floor sealer	2	30-Jul-19	31-Jul-19	14-Dec-19	16-Dec-19	-115	100%	0%												
6707	POD_B2_Z04b_AHU - Door & Ironmong	12	01-Aug-19	14-Aug-19	17-Dec-19	31-Dec-19	-115	100%	0%												
BoH - M+ and Podium Plant Rooms - Other Plantrooms @ G.L. AH/ 1-11 - POD_B2_Z04d																					
9022	POD_B2_Z04d_Other P. Rms - MEP 1st fix (incl. EQP) - rem works	3	26-Feb-19	30-Apr-19	25-Feb-19 A	04-Dec-19	-181	100%	97%												
6684	POD_B2_Z04d_Other P. Rms - MEP 2nd fix (incl. EQP) - rem works	9	02-May-19	29-May-19	08-Apr-19 A	11-Dec-19	-163	100%	95%												
6689	POD_B2_Z04d_Other P. Rms - Floor screeding	9	30-May-19	19-Jun-19	03-Jul-19 A	11-Dec-19	-146	100%	90%												
6688	POD_B2_Z04d_Other P. Rms - MEP final fix	14	19-Jul-19	08-Aug-19	15-Jul-19 A	18-Dec-19	-110	100%	85%												
6687	POD_B2_Z04d_Other P. Rms - Door & Ironmong	12	19-Aug-19	28-Aug-19	16-Sep-19 A	18-Dec-19	-93	100%	80%												
6690	POD_B2_Z04d_Other P. Rms - Floor sealer	8	09-Aug-19	17-Aug-19	19-Dec-19	28-Dec-19	-110	100%	0%												
BoH - M+ and Podium Plant Rooms - Other Plantrooms @ G.L. B-L/ 1'-1 - POD_B2_Z04e																					
6767	POD_B2_Z04e_Other P. Rms - Install CWS/CWR Piping MEP 2nd fix	3	02-May-19	12-Jul-19	19-Feb-19 A	04-Dec-19	-121	100%	90%												
8763	POD_B2_Z04e_Other P. Rms - MEP 1st fix (rem works)	3	27-May-19	09-Jul-19	18-Mar-19 A	04-Dec-19	-124	100%	91%												
6694	POD_B2_Z04e_Other P. Rms - MEP 2nd fix (incl. EQP)	6	13-Jul-19	06-Sep-19	08-Apr-19 A	07-Dec-19	-76	100%	93%												
6698	POD_B2_Z04e_Other P. Rms - MEP final fix	9	07-Sep-19	21-Sep-19	19-Aug-19 A	11-Dec-19	-67	100%	70%												
6697	POD_B2_Z04e_Other P. Rms - Door & Ironmong	18	14-Oct-19	26-Oct-19	23-Sep-19 A	21-Dec-19	-48	100%	80%												
6700	POD_B2_Z04e_Other P. Rms - Floor sealer	12	27-Sep-19	12-Oct-19	23-Dec-19	07-Jan-20	-72	100%	0%												
FoH/BoH Toilets - POD_B2_Z05 & B2_Z06																					
7559	POD_B2_Z05/06_Toilets - All Other Finishes / Make Good & Clean	12	25-Nov-19	07-Dec-19	28-Apr-20	12-May-20	-123	50%	0%												
Toilet Block																					
6739	POD_B2_Z05_FoH Toilet - MEP 1st fix Ceiling	6	06-May-19	29-May-19	23-Apr-19 A	07-Dec-19	-160	100%	71%												
6729	POD_B2_Z05_FoH Toilet - MEP 2nd fix	12	12-Jun-19	25-Jun-19	07-Oct-19 A	27-Dec-19	-154	100%	40%												
6741	POD_B2_Z05_FoH Toilet - Dry Wall MEP Services/Conduits (MEP 1st fix)	6	04-May-19	17-May-19	10-Oct-19 A	07-Dec-19	-170	100%	65%												
6731	POD_B2_Z05_FoH Toilet - MEP final fix	21	08-Jul-19	13-Jul-19	14-Oct-19 A	11-Jan-20	-151	100%	20%												
6740	POD_B2_Z05_FoH Toilet - Dry Wall Frame & Board (one side)	3	30-Apr-19	08-May-19	20-Nov-19 A	04-Dec-19	-175	100%	70%												
6728	POD_B2_Z05_FoH Toilet - Seal Wall Opening	3	07-May-19	09-May-19	04-Dec-19*	06-Dec-19	-176	100%	0%												
6730	POD_B2_Z05_FoH Toilet - Door Frame	2	30-May-19	31-May-19	09-Dec-19	10-Dec-19	-160	100%	0%												
6742	POD_B2_Z05_FoH Toilet - Close Dry Wall	5	18-May-19	23-May-19	09-Dec-19	13-Dec-19	-170	100%	0%												
6723	POD_B2_Z05_FoH Toilet - Wall Plastering (internal & external)	4	01-Jun-19	05-Jun-19	14-Dec-19	18-Dec-19	-163	100%	0%												
6763	POD_B2_Z05_FoH Toilet - Conc flr curing, polishing & install protection	36	15-Jul-19	24-Aug-19	17-Dec-19	06-Feb-20	-130	100%	0%												
6726	POD_B2_Z05_FoH Toilet - Ceiling Rods & Grids	4	06-Jun-19	11-Jun-19	19-Dec-19	23-Dec-19	-163	100%	0%												
6727	POD_B2_Z05_FoH Toilet - Close ceiling (board) incl. Cut-Outs	6	26-Jun-19	03-Jul-19	28-Dec-19	04-Jan-20	-154	100%	0%												
6738	POD_B2_Z05_FoH Toilet - Ceiling finishes final coat	3	04-Jul-19	06-Jul-19	06-Jan-20	08-Jan-20	-154	100%	0%												
6734	POD_B2_Z05_FoH Toilet - Wall tile finishes	9	26-Aug-19	04-Sep-19	07-Feb-20	17-Feb-20	-130	100%	0%												
6735	POD_B2_Z05_FoH Toilet - Cubicle partitions & sanitary ware & fittings	6	05-Sep-19	11-Sep-19	18-Feb-20	24-Feb-20	-130	100%	0%												
6724	POD_B2_Z05_FoH Toilet - Door / Ironmong	2	12-Sep-19	13-Sep-19	25-Feb-20	26-Feb-20	-130	100%	0%												
Toilet Lobby Vestibule																					
7551	POD_B2_Z05_FoH Toilet Lob - Ceiling rods	3	11-Apr-19	13-Apr-19	03-Dec-19*	05-Dec-19	-196	100%	0%												
7552	POD_B2_Z05_FoH Toilet Lob - MEP 1st fix	6	15-Apr-19	27-Apr-19	13-May-19 A	09-Dec-19	-187	100%	68%												
7554	POD_B2_Z05_FoH Toilet Lob - MEP 2nd fix	12	02-May-19	08-May-19	07-Oct-19 A	14-Dec-19	-184	100%	35%												
7557	POD_B2_Z05_FoH Toilet Lob - MEP final fix	21	22-Jul-19	27-Jul-19	14-Oct-19 A	02-Jan-20	-131	100%	5%												
7553	POD_B2_Z05_FoH Toilet Lob - Ceiling grids	2	29-Apr-19	30-Apr-19																	

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020											
										2019		Qtr 1			Qtr 2			Qtr 3			
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
7302	POD_B1_Z07c_BoH - MEP final fix	15	07-Aug-19	20-Aug-19	15-Jul-19 A	18-Dec-19	-100	100%	42%												
7328	POD_B1_Z07c_BoH - Wall finishes (epoxy/anti fungal paint @ CBS)	9	31-Jul-19	06-Aug-19	14-Oct-19 A	11-Dec-19	-106	100%	50%												
7301	POD_B1_Z07c_BoH - 14nos Door/ 1 no. SR3 O'S Door & Iron. (Use Temp for FSD)	6	06-Sep-19	20-Sep-19	19-Dec-19	26-Dec-19	-80	100%	0%												
7301a	POD_B1_Z07c_BoH - Door/ 1no. SR3 O'S Door & Iron. (Permanent)	3			26-May-20	28-May-20		0%	0%												
FoH Group Check-in and Luggage / General Storage - POD_B1_Z07d																					
7150	POD_B1_Z07d_FoH - MEP 1st fix (rem works)	6	08-Mar-19	19-Apr-19	08-Apr-19 A	07-Dec-19	-193	100%	88%												
7155	POD_B1_Z07d_FoH - MEP 2nd fix	12	06-May-19	25-May-19	15-Apr-19 A	17-Dec-19	-171	100%	91%												
7153	POD_B1_Z07d_FoH - Ceiling rods	4	04-Mar-19	07-Mar-19	03-Dec-19*	06-Dec-19	-228	100%	0%												
9729	POD_B1_Z07d_FoH - Close Dry Wall	2	06-May-19	07-May-19	04-Dec-19*	05-Dec-19	-177	100%	0%												
7151	POD_B1_Z07d_FoH - Maintenance platform @ (B1-1-011)	12	20-Apr-19	04-May-19	06-Dec-19	19-Dec-19	-191	100%	0%												
7458	POD_B1_Z07d_FoH - Ceiling grids	4	20-Apr-19	24-Apr-19	09-Dec-19	12-Dec-19	-193	100%	0%												
7154a	POD_B1_Z07d_FoH - Ceiling finishes (Plywood backing for Timber fin)	13			18-Dec-19	03-Jan-20		0%	0%												
7162	POD_B1_Z07d_FoH - MEP final fix	9	26-Jul-19	05-Aug-19	31-Dec-19	10-Jan-20	-131	100%	0%												
7163	POD_B1_Z07d_FoH - Conc fir curing, polishing & install protection	36	06-Aug-19	17-Sep-19	11-Jan-20	29-Feb-20	-131	100%	0%												
7158	POD_B1_Z07d_FoH - Doors & Ironmong & access panels	6	18-Sep-19	24-Sep-19	02-Mar-20	07-Mar-20	-131	100%	0%												
7154	POD_B1_Z07d_FoH - Ceiling finishes (Timber)	13	11-Jul-19	25-Jul-19	15-May-20	29-May-20	-251	100%	0%												
7160	POD_B1_Z07d_FoH - Wall finishes (Timber)	21	18-Sep-19	14-Oct-19	19-May-20	11-Jun-20	-196	100%	0%												
7161	POD_B1_Z07d_FoH - Built-in lockers & shelvings	12	08-Oct-19	21-Oct-19	05-Jun-20	18-Jun-20	-196	100%	0%												
7164	POD_B1_Z07d_FoH - All Other Finishes / Make Good & Clean	18	30-Sep-19	22-Oct-19	05-Jun-20	26-Jun-20	-201	100%	0%												
FoH Floating Slab - Museum Cafe & Catering Table & Chair Storage - POD_B1_Z08																					
6923	POD_B1_Z08_FoH - MEP 1st, 2nd & final fix	21	24-Jun-19	17-Oct-19	02-Sep-19 A	26-Dec-19	-59	100%	77%												
3943	POD_B1_Z08_FoH - B'wall, tie bolt holes, W_sealer, plaster, screed	15	17-Jun-19	22-Jun-19	16-Sep-19 A	18-Dec-19	-149	100%	30%												
9319	POD_B1_Z08_FoH - Maintenance platform @ Catering Table & Chair Storage	12	03-Oct-19	17-Oct-19	19-Dec-19	03-Jan-20	-65	100%	0%												
6922	POD_B1_Z08_FoH - Doors & Ironmong	6	18-Oct-19	24-Oct-19	23-Dec-19	30-Dec-19	-56	100%	0%												
7459	POD_B1_Z08_FoH - All Other Finishes / Make Good & Clean	12	18-Oct-19	31-Oct-19	31-Dec-19	14-Jan-20	-62	100%	0%												
BoH Plant Rooms (incl. AHU)Corr Adjacent to Cinemas - POD_B1_Z18A																					
6896	POD_B1_Z18A_BoH_AHU - B'wall, tie bolt, plinth,w/proof,screed,plaster, Sealer	3	26-Jul-19	22-Aug-19	16-Sep-19 A	04-Dec-19	-86	100%	90%												
8764	POD_B1_Z18A_BoH_AHU - MEP 1st fix	6	23-Aug-19	05-Oct-19	18-Sep-19 A	07-Dec-19	-53	100%	62%												
6898	POD_B1_Z18A_BoH_AHU - MEP 2nd fix (incl. EQP)	9	08-Oct-19	28-Oct-19	23-Sep-19 A	11-Dec-19	-38	100%	50%												
6900	POD_B1_Z18A_BoH_AHU - Door & Ironmong	3	13-Nov-19	19-Nov-19	24-Sep-19 A	07-Dec-19	-16	100%	80%												
6901	POD_B1_Z18A_BoH_AHU - MEP final fix	9	29-Oct-19	07-Nov-19	05-Dec-19	14-Dec-19	-32	100%	0%												
6902	POD_B1_Z18A_BoH_AHU - Floor sealer	4	08-Nov-19	12-Nov-19	16-Dec-19	19-Dec-19	-32	100%	0%												
BoH Rooms Associated with MIC Lobby & Museum Shop No.2 - POD_B1_Z09a																					
3935	POD_B1_Z09a_BoH - B'wall, Drywall; tie bolt hole, plaster, screed, C_Sealer @Stor	6	20-Jul-19	16-Aug-19	09-Sep-19 A	07-Dec-19	-94	100%	80%												
7460	POD_B1_Z09a_BoH - MEP 1st fix	9	21-Aug-19	03-Oct-19	16-Sep-19 A	11-Dec-19	-58	100%	75%												
7065	POD_B1_Z09a_BoH - MEP 2nd fix	12	09-Oct-19	29-Oct-19	19-Sep-19 A	14-Dec-19	-40	100%	55%												
7068	POD_B1_Z09a_BoH - Wall paint undercoat	15	09-Nov-19	15-Nov-19	20-Sep-19 A	21-Dec-19	-31	100%	80%												
7069	POD_B1_Z09a_BoH - Doors & Ironmong	9	02-Dec-19	09-Dec-19	23-Sep-19 A	11-Dec-19	-3	0%	50%												
7064	POD_B1_Z09a_BoH - Ceiling rods @ AV Workm Studio, MIC Offices & Dressing R	3	17-Aug-19	20-Aug-19	05-Dec-19	05-Dec-19	-91	100%	0%												
7461	POD_B1_Z09a_BoH - Ceiling grids @ AV Workm Studio, MC Offices & Dressing R	3	04-Oct-19	08-Oct-19	09-Dec-19	11-Dec-19	-55	100%	0%												
7066	POD_B1_Z09a_BoH - Close ceiling (panels) w/ Cut-Outs @ AV Workm Studio, MIC	9	30-Oct-19	08-Nov-19	12-Dec-19	21-Dec-19	-37	100%	0%												
7072	POD_B1_Z09a_BoH - Final paint	6	16-Nov-19	22-Nov-19	23-Dec-19	30-Dec-19	-31	100%	0%												
7070	POD_B1_Z09a_BoH - MEP final fix	9	16-Nov-19	26-Nov-19	23-Dec-19	03-Jan-20	-31	100%	0%												
7071	POD_B1_Z09a_BoH - Floor sealer @ AV Storage 2 & Museum Shop Storage	2	27-Nov-19	28-Nov-19	04-Jan-20	06-Jan-20	-31	100%	0%												
7074	POD_B1_Z09a_BoH - Floor tiling & Install Protection @ Dressing Rms	4	27-Nov-19	02-Dec-19	04-Jan-20	09-Jan-20	-31	90%	0%												
7075	POD_B1_Z09a_BoH - Floor carpet @ AV Workroom Studio	4	27-Nov-19	02-Dec-19	04-Jan-20	09-Jan-20	-31	90%	0%												
7066a	POD_B1_Z09a_BoH - Ceiling finishes (Timber @ B1-1-336 corr only)	3			27-Apr-20*	29-Apr-20		0%	0%												
7073	POD_B1_Z09a_BoH - All Other Finishes / Make Good & Clean	12	02-Dec-19	16-Dec-19	30-Apr-20	14-May-20	-119	0%	0%												
7072a	POD_B1_Z09a_BoH - Wall finishes (Timber @ B1-1-336 corr only)	3			30-Apr-20	04-May-20		0%	0%												
7075a	POD_B1_Z09a_BoH - Floor finishes (Timber @ B1-1-336 corr only)	3			05-May-20	07-May-20		0%	0%												
FoH Lobby - POD_B1_Z10 (SZ3 & SZ4)																					
6916	POD_B1_Z10_FoH Lob - MEP 1st fix (*2 shifts)	6	21-Aug-19	19-Oct-19	21-Aug-19 A	11-Dec-19	-45	100%	72%												
8792	POD_B1_Z10_FoH Lob - MEP 2nd fix (*2 shifts)	12	19-Oct-19	16-Nov-19	26-Aug-19 A	18-Dec-19	-27	100%	35%												
6915	POD_B1_Z10_FoH Lob - Ceiling & wall sealer (*2 shifts)	3	09-Aug-19	20-Aug-19	09-Sep-19 A	04-Dec-19	-89	100%	80%												
8366	POD_B1_Z10_FoH Lob - Brackets/Hangers/Smoke Curtain Channels Setting Out &	6	20-Aug-19	02-Sep-19	12-Sep-19 A	09-Dec-19	-80	100%	90%												
6918	POD_B1_Z10_FoH Lob - Install Smoke Curtain box	9	21-Oct-19	16-Nov-19	16-Sep-19 A	19-Dec-19	-27	100%	90%												
6920a	POD_B1_Z10_FoH Lob - Install security shutters	18			04-Dec-19*	26-Dec-19		0%	0%												
6919	POD_B1_Z10_FoH Lob - MEP final fix (*2 shifts)	15	16-Nov-19	04-Dec-19	10-Dec-19	28-Dec-19	-20	81.48%	0%												
6917	POD_B1_Z10_FoH Lob - Conc, curing, polishing & install protection - Part 1	36	05-Dec-19	17-Jan-20	11-Nov-19 A	14-Jan-20	3	0%	15%												
9643	POD_B1_Z10_FoH Lob - Conc, curing, polishing & install protection - Part 2	48	18-Jan-20	07-Feb-20	18-Nov-19 A	05-Feb-20	27	0%	15%												
6921	POD_B1_Z10_FoH Lob - All Other Finishes (DOOR) / Make Good & Clean	18	09-Mar-20	28-Mar-20	15-Jan-20	12-Feb-20	39	0%	0%												
Fire Rated Corridors (Major Routings) - POD_B1_Z11																					
8849	POD_B1_Z11_Corr - All Other Finishes / Make Good & Clean	18	03-Dec-19	24-Dec-19	10-Jan-20	07-Feb-20	-31	0%	0%												
Fire Rated Corridors & Lobbies (Major Routings) - POD_B1_Z11b																					
7527	POD_B1_Z11b_Corr - MEP 1st fix (rem)	4	01-Apr-19	14-May-19	19-Jun-19 A	05-Dec-19	-171	100%	73%												
7529	POD_B1_Z11b_Corr - MEP 2nd fix	12	04-Jun-19	25-Jun-19	24-Jun-19 A	16-Dec-19	-145	100%	20%												
3947	POD_B1_Z11b_Corr - FS Access Panel	6	04-Mar-19	23-Mar-19	12-Aug-19 A	09-Dec-19	-216	100%	90%												
7536	POD_B1_Z11b_Corr - Doors & Ironmong	4	01-Aug-19	07-Aug-19	23-Sep-19 A	06-Dec-19	-101	100%	60%												
7526	POD_B1_Z11b_Corr - Ceiling rods	6	25-Mar-19	30-Mar-19	03-Dec-19	09-Dec-19	-210	100%	0%												
7528	POD_B1_Z11b_Corr - Ceiling grids	3	15-May-19	17-May-19	10-Dec-19	12-Dec-19	-174	100%	0%												
7531	POD_B1_Z11b_Corr - Close ceiling (panels) incl. Cut-Outs	8	26-Jun-19	05-Jul-19	17-Dec-19	26-Dec-19	-145	100%	0%												
7534	POD_B1_Z11b_Corr - Final paint	6	13-Jul-19	19-Jul-19	27-Dec-19	03-Jan-20	-139	100%	0%												
7533	POD_B1_Z11b_Corr - MEP final fix	9	19-Jul-19	29-Jul-19	27-Dec-19	07-Jan-20	-134	100%	0%												
7535	POD_B1_Z11b_Corr - Floor sealer	2	30-Jul-19	31-Jul-19	08-Jan-20	09-Jan-20	-134	100%	0%												
Fire Rated Corridors (Major Routings) - POD_B1_Z11a																					
8843	POD_B1_Z11a_Corr - MEP 2nd fix																				

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020														
										2019		Qtr 1			Qtr 2			Qtr 3						
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
ABWF Works & MEP Works																								
BoH Plant & Other Rooms/FR Corr & Lob - North of GL 6' - POD_LG_Z01 & LG_Z02																								
7314	POD_LG_Z01 - Z03 - All Other Finishes / Make Good & Clean	18	14-Oct-19	02-Nov-19	23-Dec-19	14-Jan-20	-60	100%	0%															
BoH Plant Rooms - North of GL 6' - POD_LG_Z01																								
7335	POD_LG_Z01_BoH - RDE ST Press MEP 1st fix	6	22-Apr-19	03-Jun-19	23-Apr-19 A	07-Dec-19	-156	100%	87%															
7336	POD_LG_Z01_BoH - RDE ST Press - MEP 2nd (incl. EQP) & final fix	12	05-Jul-19	25-Jul-19	27-May-19 A	14-Dec-19	-119	100%	70%															
7334	POD_LG_Z01_BoH - RDE ST Press final fins. (Msc. Metal, Door/ Iron., PolyU on Flk	12	12-Jul-19	25-Jul-19	18-Nov-19 A	14-Dec-19	-119	100%	50%															
7339	POD_LG_Z01_BoH - ICT, Ext. Fans & Car. SEF Rms MEP 1st fix	6	08-Apr-19	20-May-19	17-Apr-19 A	07-Dec-19	-168	100%	89%															
7340	POD_LG_Z01_BoH - ICT, Ext. Fans & Car. SEF Rms MEP 2nd (incl. EQP) & final fix	12	05-Jul-19	25-Jul-19	23-Apr-19 A	14-Dec-19	-119	100%	77%															
7338	POD_LG_Z01_BoH - ICT, Extract Fan Rms & Car. SEF Rm final fins	12	12-Jul-19	01-Aug-19	20-Nov-19 A	18-Dec-19	-116	100%	20%															
7343	POD_LG_Z01_BoH - M- Water Tank MEP 1st fix	6	16-Apr-19	28-May-19	26-Apr-19 A	07-Dec-19	-161	100%	96%															
7342	POD_LG_Z01_BoH - M- Water Tank final finishes	12	05-Jun-19	19-Jun-19	09-Sep-19 A	14-Dec-19	-149	100%	90%															
7344	POD_LG_Z01_BoH - M- Water Tank MEP 2nd (incl. EQP) & final fix	9	29-May-19	19-Jun-19	14-Oct-19 A	11-Dec-19	-146	100%	75%															
BoH Corridors & Lobbies - North of GL 6' - POD_LG_Z02																								
7315	POD_LG_Z02_BoH - MEP 1st fix	6	06-Mar-19	17-Apr-19	23-May-19 A	07-Dec-19	-195	100%	78%															
7317	POD_LG_Z02_BoH - MEP 2nd fix	12	22-Apr-19	13-May-19	15-Jul-19 A	14-Dec-19	-180	100%	72%															
7327	POD_LG_Z02_BoH - B'wall, tie bolt holes, plaster, C&W sealer	6	11-Feb-19	23-Feb-19	09-Sep-19 A	07-Dec-19	-239	100%	70%															
7321	POD_LG_Z02_BoH - Doors & Ironmong	6	01-Aug-19	07-Aug-19	16-Sep-19 A	07-Dec-19	-102	100%	70%															
7512	POD_LG_Z02_BoH - Ceiling grids	3	18-Apr-19	20-Apr-19	09-Dec-19	11-Dec-19	-195	100%	0%															
7318	POD_LG_Z02_BoH - Close ceiling (board/ panels) incl. Cut-Outs	7	14-May-19	21-May-19	16-Dec-19	23-Dec-19	-180	100%	0%															
7320	POD_LG_Z02_BoH - Ceiling & wall paint undercoat	6	22-May-19	28-May-19	20-Dec-19	27-Dec-19	-177	100%	0%															
7325	POD_LG_Z02_BoH - MEP final fix	9	19-Jul-19	29-Jul-19	24-Dec-19	04-Jan-20	-132	100%	0%															
7323	POD_LG_Z02_BoH - Ceiling & wall final paint	6	29-May-19	04-Jun-19	28-Dec-19	04-Jan-20	-177	100%	0%															
7322	POD_LG_Z02_BoH - Floor sealer	2	30-Jul-19	31-Jul-19	06-Jan-20	07-Jan-20	-132	100%	0%															
Carpark 2 Area - North of GL 6' - POD_LG_Z03																								
8769	POD_LG_Z03_Carpark 2 - MEP 1st fix (Rem: CWS & CWR only)	6	26-Feb-19	29-May-19	25-Mar-19 A	07-Dec-19	-160	100%	87%															
7311	POD_LG_Z03_Carpark 2 - MEP 2nd & final fix	12	30-May-19	16-Aug-19	15-Apr-19 A	14-Dec-19	-100	100%	87%															
7312	POD_LG_Z03_Carpark 2 - Install fire shutters & door/ ironmongery	5	10-Aug-19	23-Aug-19	21-Aug-19 A	10-Dec-19	-90	100%	90%															
7313	POD_LG_Z03_Carpark 2 - Floor finishes (polyurethane coating)	45	17-Aug-19	19-Oct-19	02-Jul-20	22-Aug-20	-251	100%	0%															
Add'l Room LG-2-321 (CAI 291B & 291C)																								
9987	*POD_LG_Z03_LG-2-321 - Revised MEP 1st Fix (excl add'l Fan)	6			05-Aug-19 A	07-Dec-19		0%	90%															
9989	*POD_LG_Z03_LG-2-321 - MEP 2nd & final fix (incl add'l Fan & louvre)	12			14-Oct-19 A	14-Dec-19		0%	80%															
9988	*POD_LG_Z03_LG-2-321 - Wall Finishes	6			18-Nov-19 A	07-Dec-19		0%	50%															
9990	*POD_LG_Z03_LG-2-321 - Floor Coating & other Finishes	6			16-Dec-19 A	21-Dec-19		0%	0%															
FoH Multi-Media Lounge, Viewing Balcony, Grp Cinema & Corr - POD_LG_Z04 & LG_Z05																								
7354	POD_LG_Z04 - Z05_FoH - All Other Finishes / Make Good & Clean	24	23-Dec-19	21-Jan-20	06-May-20	02-Jun-20	-105	0%	0%															
FoH Multi-Media Lounge & Group Cinema - Raised Fir Area - POD_LG_Z04 (SZ7)																								
7345	POD_LG_Z04_FoH - MEP 2nd fix (HL)	6	04-Sep-19	25-Sep-19	18-Sep-19 A	07-Dec-19	-61	100%	80%															
7356	POD_LG_Z04_FoH - Underfloor MEP 1st & 2nd fix	12	26-Sep-19	15-Oct-19	14-Dec-19	23-Sep-19 A	-52	100%	50%															
7349	POD_LG_Z04_FoH - Raised floor pedestal	6	26-Sep-19	08-Oct-19	21-Oct-19 A	11-Dec-19	-55	100%	30%															
7357	POD_LG_Z04_FoH - Raised floor panels + 18mm plywood incl. cut-outs	12	16-Oct-19	22-Oct-19	12-Nov-19 A	18-Dec-19	-49	100%	30%															
4032	POD_LG_Z04_FoH - Install Glass wall @ Multi-Media Lounge	12	23-Oct-19	12-Nov-19	20-Nov-19 A	21-Dec-19	-34	100%	40%															
7360	POD_LG_Z04_FoH - Fabric covered mullions w/ frame on walls	18	23-Oct-19	12-Nov-19	12-Dec-19	03-Jan-20	-43	100%	0%															
7351	POD_LG_Z04_FoH - Doors & Ironmong	6	04-Dec-19	10-Dec-19	19-Dec-19	26-Dec-19	-13	0%	0%															
7376	POD_LG_Z04_FoH - Install metal balustrade	6	23-Oct-19	29-Oct-19	19-Dec-19	26-Dec-19	-49	100%	0%															
7355	POD_LG_Z04_FoH - MEP final fix	9	13-Nov-19	22-Nov-19	28-Dec-19	08-Jan-20	-38	100%	0%															
7361	POD_LG_Z04_FoH - Floor grilles	7	23-Nov-19	30-Nov-19	09-Jan-20	16-Jan-20	-38	100%	0%															
9683	POD_LG_Z04_FoH - Timber Capping to Metal Hand Rail/Timber Handrail	6	18-Nov-19	23-Nov-19	21-Apr-20*	27-Apr-20	-123	100%	0%															
FoH Viewing Balcony & Corridor - Non Raised Floor Area - POD_LG_Z05 (SZ7)																								
7363	POD_LG_Z05_FoH - MEP 2nd fix (HL)	9	04-Oct-19	25-Oct-19	23-Sep-19 A	11-Dec-19	-40	100%	60%															
7364	POD_LG_Z05_FoH - MEP final fix	9	26-Oct-19	05-Nov-19	12-Dec-19	21-Dec-19	-40	100%	0%															
7366	POD_LG_Z05_FoH - Floor finishes (resilient layer, ply + timber)	12	18-Nov-19	30-Nov-19	21-Apr-20*	05-May-20	-123	100%	0%															
7362	POD_LG_Z05_FoH - Fabric covered mullions w/ frame	18	02-Dec-19	21-Dec-19	06-May-20	26-May-20	-123	0%	0%															
BoH Rooms, Corr & Lobby Adjacent to MM Lounge & Viewing Balcony - POD_LG_Z06																								
8772	POD_LG_Z06_BoH - MEP 1st fix	6	04-Sep-19	18-Oct-19	07-Oct-19 A	07-Dec-19	-43	100%	80%															
7844	POD_LG_Z06_BoH - MEP 2nd fix	12	19-Oct-19	08-Nov-19	21-Oct-19 A	14-Dec-19	-31	100%	60%															
7849	POD_LG_Z06_BoH - Wall epoxy/ emulsion paint	12	09-Nov-19	22-Nov-19	16-Dec-19	30-Dec-19	-31	100%	0%															
7848	POD_LG_Z06_BoH - MEP final fix	9	23-Nov-19	03-Dec-19	31-Dec-19	10-Jan-20	-31	77.78%	0%															
7846	POD_LG_Z06_BoH - Floor sealer	2	04-Dec-19	05-Dec-19	11-Jan-20	13-Jan-20	-31	0%	0%															
7845	POD_LG_Z06_BoH - Door & Ironmong	6	06-Dec-19	12-Dec-19	14-Jan-20	20-Jan-20	-31	0%	0%															
7847	POD_LG_Z06_BoH - All Other Finishes / Make Good & Clean	12	06-Dec-19	19-Dec-19	14-Jan-20	04-Feb-20	-31	0%	0%															
BoH Rooms/FoH Cinema Lobby & Sound Light Locks Adjacent to Cinemas - POD_LG_Z18d																								
7377	POD_LG_Z18d_FoH/BoH - All Other Finishes / Make Good & Clean	18	20-Dec-19	11-Jan-20	24-Apr-20	15-May-20	-98	0%	0%															
FoH Cinema Lob & Sound & Light Lock 1, 2 & 3 and Corr Adjacent to Cinemas - POD_LG_Z18d																								
7368	POD_LG_Z18d_FoH - MEP 1st fix (*2 shifts)	6	05-Aug-19	05-Sep-19	16-Sep-19 A	09-Dec-19	-78	100%	90%															
7370	POD_LG_Z18d_FoH - MEP 2nd fix	12	10-Sep-19	02-Oct-19	19-Dec-19	18-Nov-19 A	-66	100%	53%															
7369	POD_LG_Z18d_FoH - Ceiling rods	3	02-Aug-19	05-Aug-19	06-Dec-19*	09-Dec-19	-105	100%	0%															
7379	POD_LG_Z18d_FoH - Underfloor MEP 1st fix, 2nd fix & final fix (*2 shifts)	18	01-Nov-19	22-Nov-19	09-Dec-19*	30-Dec-19	-31	100%	0%															
7513	POD_LG_Z18d_FoH - Ceiling grids	3	06-Sep-19	09-Sep-19	10-Dec-19	12-Dec-19	-78	100%	0%															
7371	POD_LG_Z18d_FoH - Ceiling finishes (board & fabric panels)	10	03-Oct-19	15-Oct-19	19-Dec-19	31-Dec-19	-65	100%	0%															
7378	POD_LG_Z18d_FoH - MEP final fix	9	16-Oct-19	25-Oct-19	28-Dec-19	08-Jan-20	-62	100%	0%															
7380	POD_LG_Z18d_FoH - Raised floor panels incl. cut-outs	5	23-Nov-19	28-Nov-19	31-Dec-19	06-Jan-20	-31	100%	0%															
7373	POD_LG_Z18d_FoH - Wall finishes (fabric panels)	12	29-Nov-19	12-Dec-19	07-Jan-20	20-Jan-20	-31	16.67%	0%															
7374	POD_LG_Z18d_FoH - Doors & Ironmong	6	29-Nov-19	05-Dec-19	07-Jan-20	13-Jan-20	-31	33.33%	0%															
7371a	POD_LG_Z18d_FoH - Ceiling finishes (Timber @ LG-1-312 corr only 3m2)	2			27-Apr-20*	28-Apr-20		0%	0%															

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020														
										2019		Qtr 1			Qtr 2			Qtr 3						
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
8223	POD_1M_Z02 - MEP final fix	12	15-Oct-19	26-Nov-19	21-Oct-19 A	14-Dec-19	-17	100%	50%															
8220	POD_1M_Z02 - Door & Ironmong	6	11-Dec-19	18-Dec-19	20-Nov-19 A	07-Dec-19	8	0%	20%															
8228	POD_1M_Z02 - Wall final paint @ all areas	8	15-Oct-19	24-Oct-19	12-Dec-19	20-Dec-19	-50	100%	0%															
8221	POD_1M_Z02 - Floor sealer	13	26-Nov-19	11-Dec-19	21-Dec-19	07-Jan-20	-22	35.04%	0%															
MEP Plantrooms, Lobbies & Corridors - POD_1M_Z03																								
8229	POD_1M_Z03 - MEP 1st fix	6	26-Feb-19	19-Jul-19	02-Apr-19 A	07-Dec-19	-118	100%	80%															
8229a	POD_1M_Z03 - MEP 1st fix Connect Duct Work to Pisa Louvres	9			21-Oct-19 A	11-Dec-19		0%	30%															
8237	POD_1M_Z03 - MEP 2nd fix (incl. EQP)	9	02-Aug-19	15-Oct-19	08-Apr-19 A	11-Dec-19	-50	100%	75%															
8285	POD_1M_Z03 - Install Catwalk	7	30-May-19	19-Jul-19	08-Jul-19 A	09-Dec-19	-119	100%	70%															
8231	POD_1M_Z03 - Door & Ironmong	6	02-Dec-19	09-Dec-19	26-Aug-19 A	07-Dec-19	0	0%	55%															
8234	POD_1M_Z03 - MEP final fix	12	15-Oct-19	19-Nov-19	21-Oct-19 A	14-Dec-19	-23	100%	10%															
8239	POD_1M_Z03 - Wall final paint @ all areas	8	15-Oct-19	24-Oct-19	12-Dec-19	20-Dec-19	-50	100%	0%															
8232	POD_1M_Z03 - Floor sealer	11	19-Nov-19	02-Dec-19	21-Dec-19	04-Jan-20	-28	95.96%	0%															
MEP Plantrooms, Lobbies & Corridors - POD_1M_Z04																								
8240	POD_1M_Z04 - MEP 1st fix	6	26-Feb-19	19-Jul-19	02-Apr-19 A	07-Dec-19	-118	100%	86%															
8240a	POD_1M_Z04 - MEP 1st fix Connect Duct Work to Pisa Louvres	9			21-Oct-19 A	11-Dec-19		0%	10%															
8248	POD_1M_Z04 - MEP 2nd fix (incl. EQP)	9	02-Aug-19	15-Oct-19	09-Apr-19 A	11-Dec-19	-50	100%	75%															
8286	POD_1M_Z04 - Install Catwalk	7	30-May-19	19-Jul-19	08-Jul-19 A	09-Dec-19	-119	100%	90%															
8242	POD_1M_Z04 - Door & Ironmong	6	30-Nov-19	07-Dec-19	26-Aug-19 A	07-Dec-19	-1	9.26%	35%															
8245	POD_1M_Z04 - MEP final fix	12	15-Oct-19	19-Nov-19	21-Oct-19 A	14-Dec-19	-23	100%	20%															
8250	POD_1M_Z04 - Wall final paint @ all areas	8	15-Oct-19	24-Oct-19	12-Dec-19	20-Dec-19	-50	100%	0%															
8243	POD_1M_Z04 - Floor sealer	10	19-Nov-19	30-Nov-19	21-Dec-19	03-Jan-20	-28	100%	0%															
Level 2																								
ABWF Works & MEP Works																								
Revised Smoke Extraction (CAI xx) POD_L2_Z01a & Z03a (SZ8 & SZ6)																								
10043	*POD_L2_Z01a_Dismantle and Re-install (new design) (east side)	12			11-Nov-19 A	14-Dec-19		0%	25%															
10053	*POD_L2_Z01a_Dismantle and Re-install (new design) (west side)	4			26-Jun-19 A	05-Dec-19		0%	95%															
10046	*POD_L2_Z03a_Dismantle and Re-install (new design)	4			22-Jul-19 A	05-Dec-19		0%	80%															
10051	*POD_L2_Z03a_Power & Control (Amendment)	4			14-Oct-19 A	05-Dec-19		0%	80%															
Temporary Exhibition & Gallery Circ, Gallery BOH, BoH Rms, Lobbies & Corridors - POD_L2_Z01																								
Temporary Exhibition 2a, 2b & 2c and Gallery Circ. 2-1-372/384 - POD_L2_Z01a (SZ8)																								
8379	POD_L2_Z01a_FoH - MEP 1st fix	3	27-Feb-19	24-Apr-19	11-Mar-19 A	04-Dec-19	-186	100%	95%															
8370	POD_L2_Z01a_FoH - MEP 2nd fix (east - partly)	6	13-May-19	01-Jun-19	02-Apr-19 A	07-Dec-19	-157	100%	70%															
8381	POD_L2_Z01a_FoH - Underfloor MEP 1st fix (east)	3	17-Jun-19	12-Aug-19	23-Apr-19 A	04-Dec-19	-95	100%	95%															
9637	POD_L2_Z01a_FoH - Underfloor MEP 2nd fix (east)	6	13-Aug-19	09-Sep-19	06-May-19 A	07-Dec-19	-74	100%	90%															
8382	POD_L2_Z01a_FoH - Raised floor panels incl. cut-outs (east)	9	03-Sep-19	24-Sep-19	13-May-19 A	11-Dec-19	-65	100%	95%															
8405	POD_L2_Z01a_FoH - Ceiling grids (east)	15	25-Apr-19	11-May-19	08-Jul-19 A	18-Dec-19	-184	100%	40%															
8370a	POD_L2_Z01a_FoH - MEP 2nd fix (east)	18			16-Sep-19 A	21-Dec-19		0%	50%															
8405b	POD_L2_Z01a_FoH - Ceiling board (east)	21			05-Dec-19	30-Dec-19		0%	0%															
8370b	POD_L2_Z01a_FoH - MEP Ceiling Final Fix (east)	21			12-Dec-19	07-Jan-20		0%	0%															
8406	POD_L2_Z01a_FoH - Ceiling finishes (insulation/acoustic plaster) (east)	30	18-Nov-19	24-Jan-20	08-Jun-20	14-Jul-20	-136	21.05%	0%															
8405c	POD_L2_Z01a_FoH - Ceiling grids (west)	6			26-Aug-19 A	07-Dec-19		0%	50%															
8370c	POD_L2_Z01a_FoH - MEP 2nd fix (west)	9			28-Aug-19 A	11-Dec-19		0%	75%															
8405d	POD_L2_Z01a_FoH - Ceiling board (west)	21			05-Dec-19	30-Dec-19		0%	0%															
8370d	POD_L2_Z01a_FoH - MEP Final Fix (west)	21			12-Dec-19	07-Jan-20		0%	0%															
8380a	POD_L2_Z01a_FoH - Raised floor pedestal / frame (west)	12			07-Oct-19 A	14-Dec-19		0%	50%															
8381a	POD_L2_Z01a_FoH - Underfloor MEP 1st fix (west)	15			11-Sep-19 A	18-Dec-19		0%	95%															
9637a	POD_L2_Z01a_FoH - Underfloor MEP 2nd fix (west)	16			18-Sep-19 A	20-Dec-19		0%	90%															
8382a	POD_L2_Z01a_FoH - Raised floor panels incl. cut-outs (west)	21			14-Oct-19 A	26-Dec-19		0%	50%															
8376	POD_L2_Z01a_FoH - MEP final fix (in raised floor)	24	10-Sep-19	10-Oct-19	21-Oct-19 A	03-Jan-20	-71	100%	80%															
8377	POD_L2_Z01a_FoH - Close Dry Wall / Board - Excluding Perim. BoH Corr.	9	25-Sep-19	12-Oct-19	22-Oct-19 A	11-Dec-19	-51	100%	85%															
8367	POD_L2_Z01a_FoH - 2nos. SR3 O'S Doors / Ironmong	6	25-Sep-19	02-Oct-19	12-Dec-19	18-Dec-19	-65	100%	0%															
8372a	POD_L2_Z01a_FoH - Flr finishes (resilient layer, ply)	18			04-Jan-20	24-Jan-20		0%	0%															
9684	POD_L2_Z01a_FoH - Install Roller Blinds	12	08-Jan-20	21-Jan-20	05-Mar-20*	18-Mar-20	-42	0%	0%															
8406a	POD_L2_Z01a_FoH - Ceiling finishes (insulation/acoustic plaster) (west)	30			08-Jun-20	14-Jul-20		0%	0%															
8406b	POD_L2_Z01a_FoH - Ceiling finishes (Timber @ circ/Passage only)	4			30-Jun-20	04-Jul-20		0%	0%															
8374	POD_L2_Z01a_FoH - Wall finishes (paint/Timber @ circ/Passage)	36	23-Dec-19	22-Feb-20	08-Jun-20	21-Jul-20	-124	0%	0%															
8372	POD_L2_Z01a_FoH - Flr finishes (timber) + flr grilles	30	15-Jan-20	07-Mar-20	30-Jun-20	04-Aug-20	-124	0%	0%															
8368	POD_L2_Z01a_FoH/BoH - All Other Finishes / Make Good & Clean	30	10-Feb-20	06-Apr-20	08-Jul-20	11-Aug-20	-106	0%	0%															
Gallery BoH Perimeter - POD_L2_Z01b																								
8387	POD_L2_Z01b_BoH West - MEP 1st fix	4	27-Jun-19	08-Aug-19	19-Jun-19 A	05-Dec-19	-99	100%	87%															
8410	POD_L2_Z01b_BoH West - MEP 2nd fix	7	24-Aug-19	13-Sep-19	25-Jun-19 A	09-Dec-19	-71	100%	71%															
8412	POD_L2_Z01b_BoH West - Underfloor MEP 1st, 2nd fix works	6	23-Sep-19	08-Oct-19	19-Aug-19 A	07-Dec-19	-52	100%	76%															
8413	POD_L2_Z01b_BoH West - Install Safe grid metal deck	4	09-Oct-19	12-Oct-19	15-Nov-19 A	10-Dec-19	-50	100%	60%															
8415	POD_L2_Z01b_BoH West - Wall finishes (paint incl. door & iron)	12	16-Sep-19	28-Sep-19	06-Dec-19	19-Dec-19	-68	100%	0%															
8416	POD_L2_Z01b_BoH West - MEP final fix	9	14-Oct-19	23-Oct-19	14-Dec-19	24-Dec-19	-53	100%	0%															
9614	POD_L2_Z01b_BoH North - MEP 1st fix	4	16-Mar-19	27-Apr-19	04-Mar-19 A	05-Dec-19	-184	100%	98%															
9616	POD_L2_Z01b_BoH North - MEP 2nd fix	7	17-May-19	06-Jun-19	08-Apr-19 A	09-Dec-19	-154	100%	89%															
9621	POD_L2_Z01b_BoH North - Underfloor MEP 1st, 2nd fix works	6	15-Jun-19	28-Jun-19	17-Jun-19 A	07-Dec-19	-135	100%	90%															
9622	POD_L2_Z01b_BoH North - Install Safe grid metal deck	4	29-Jun-19	04-Jul-19	15-Nov-19 A	10-Dec-19	-133	100%	60%															
9620	POD_L2_Z01b_BoH North - Wall finishes (paint incl. door & iron)	12	08-Jun-19	21-Jun-19	06-Dec-19	19-Dec-19	-151	100%	0%															
9623	POD_L2_Z01b_BoH North - MEP final fix	9	19-Jul-19	29-Jul-19	14-Dec-19	24-Dec-19	-124	100%	0%															
Gallery BoH Internal - POD_L2_Z01c																								
8422	POD_L2_Z01c_BoH - MEP 1st fix	3	26-Feb-19	09-Apr-19	15-Apr-19 A	04-Dec-19	-199	100%	95%															
8425	POD_L2_Z01c_BoH - MEP 2nd fix	6	10-Apr-19	30-Apr-19	20-May-19 A	07-Dec-19	-184	10																

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020														
										2019		Qtr 1			Qtr 2			Qtr 3						
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
9749	POD_L2_Z02c_FoH - Dry Wall MEP Services/Conduits MEP 1st fix	3	10-Jul-19	16-Jul-19	26-Nov-19 A	04-Dec-19	-118	100%	50%															
8549	POD_L2_Z02c_FoH - Ceiling rods @ Gallery Circ.	3	19-Mar-19	22-Mar-19	02-Dec-19*	04-Dec-19	-214	100%	0%															
9750	POD_L2_Z02c_FoH - Close Dry Wall	2	17-Jul-19	18-Jul-19	05-Dec-19	06-Dec-19	-118	100%	0%															
8541	POD_L2_Z02c_FoH - Ceiling Grids @ Gallery Circ.	2	06-May-19	08-May-19	09-Dec-19	10-Dec-19	-181	100%	0%															
8543	POD_L2_Z02c_FoH - Ceiling Metal Cladding @ Gallery Circ	6	24-Jun-19	29-Jun-19	11-Dec-19	17-Dec-19	-142	100%	0%															
8550	POD_L2_Z02c_FoH - Conc fir curing, polishing & install protection, door/ iron	36	30-Jul-19	09-Sep-19	18-Dec-19	07-Feb-20	-118	100%	0%															
8545	POD_L2_Z02c_FoH - Walls Sub-Frame & Metal Cladding @ Gallery Circ.	12	10-Sep-19	24-Sep-19	08-Feb-20	21-Feb-20	-118	100%	0%															
Gallery BoH Perimeter - POD_L2_Z02d																								
8491	POD_L2_Z02d_BoH - MEP 1st fix H/L	3	03-Jun-19	16-Jul-19	02-Apr-19 A	04-Dec-19	-118	100%	90%															
8492	POD_L2_Z02d_BoH - MEP 2nd fix	6	08-Aug-19	28-Aug-19	15-Apr-19 A	07-Dec-19	-84	100%	76%															
8488	POD_L2_Z02d_BoH - PISA louvres & duct interface work MEP 1st fix	6	11-Jun-19	24-Jun-19	13-May-19 A	07-Dec-19	-139	100%	76%															
8494	POD_L2_Z02d_BoH - Wall finishes (paint incl. door/ iron)	9	29-Aug-19	11-Sep-19	15-Nov-19 A	11-Dec-19	-75	100%	50%															
8500	POD_L2_Z02d_BoH - Install Safe grid metal deck	12	05-Oct-19	14-Oct-19	18-Nov-19 A	19-Dec-19	-57	100%	60%															
8499	POD_L2_Z02d_BoH - Underfloor MEP 1st fix	9	05-Sep-19	26-Sep-19	03-Dec-19*	12-Dec-19	-64	100%	0%															
8496	POD_L2_Z02d_BoH - MEP final fix	9	15-Oct-19	24-Oct-19	09-Dec-19	18-Dec-19	-47	100%	0%															
9640	POD_L2_Z02d_BoH - Underfloor MEP 2nd Fix	6	27-Sep-19	04-Oct-19	10-Dec-19	16-Dec-19	-61	100%	0%															
Gallery BoH Internal - POD_L2_Z02e																								
8505	POD_L2_Z02e_BoH - MEP 1st fix	3	21-Mar-19	03-May-19	10-Apr-19 A	04-Dec-19	-179	100%	90%															
8506	POD_L2_Z02e_BoH - MEP 2nd fix	6	28-Jun-19	19-Jul-19	05-Jun-19 A	11-Dec-19	-121	100%	75%															
8507	POD_L2_Z02e_BoH - Dry Wall Frame & Board (one side)	3	01-Jun-19	13-Jun-19	10-Jun-19 A	04-Dec-19	-145	100%	95%															
8513	POD_L2_Z02e_BoH - Underfloor MEP 1st & 2nd fix	6	27-Jul-19	16-Aug-19	22-Jul-19 A	07-Dec-19	-94	100%	54%															
8509	POD_L2_Z02e_BoH - Dry Wall MEP Services/Conduits MEP 1st fix	4	14-Jun-19	12-Jul-19	07-Aug-19 A	07-Dec-19	-124	100%	80%															
8511	POD_L2_Z02e_BoH - Close Dry Wall	3	19-Jul-19	26-Jul-19	23-Sep-19 A	11-Dec-19	-115	100%	95%															
8514	POD_L2_Z02e_BoH - Install Safe grid metal deck	3	13-Aug-19	23-Aug-19	11-Nov-19 A	11-Dec-19	-91	100%	95%															
8503	POD_L2_Z02e_BoH - Door / Ironmong	9	04-Sep-19	18-Sep-19	18-Nov-19 A	11-Dec-19	-70	100%	10%															
8508	POD_L2_Z02e_BoH - Wall finishes (paint)	18	20-Jul-19	09-Aug-19	05-Dec-19	26-Dec-19	-115	100%	0%															
8510	POD_L2_Z02e_BoH - MEP final fix	9	24-Aug-19	03-Sep-19	20-Dec-19	31-Dec-19	-98	100%	0%															
BoH Rooms, Corridors & Lobbies - Non Raised Floor Areas - POD_L2_Z02f																								
8562	POD_L2_Z02f_BoH - MEP 1st fix	3	04-Apr-19	17-May-19	05-Mar-19 A	04-Dec-19	-167	100%	95%															
8563	POD_L2_Z02f_BoH - MEP 2nd fix	6	01-Jun-19	22-Jun-19	10-Jun-19 A	07-Dec-19	-140	100%	82%															
8565	POD_L2_Z02f_BoH - Wall paint	9	24-Jun-19	04-Jul-19	06-Dec-19	16-Dec-19	-138	100%	0%															
8568	POD_L2_Z02f_BoH - Wall final paint	9	05-Jul-19	15-Jul-19	13-Dec-19	23-Dec-19	-135	100%	0%															
8570	POD_L2_Z02f_BoH - MEP final fix	9	19-Jul-19	29-Jul-19	20-Dec-19	31-Dec-19	-129	100%	0%															
8567	POD_L2_Z02f_BoH - Floor sealer	3	30-Jul-19	01-Aug-19	02-Jan-20	04-Jan-20	-129	100%	0%															
8566	POD_L2_Z02f_BoH - Doors/ 11nos. SR3 Doors & Ironmong	12	02-Aug-19	15-Aug-19	06-Jan-20	18-Jan-20	-129	100%	0%															
FoH Toilets - Public - POD_L2_Z02g																								
Toilet Block																								
8440	POD_L2_Z02g_FoH Toilet - MEP 2nd fix	3	22-Jul-19	03-Aug-19	10-Jun-19 A	04-Dec-19	-102	100%	96%															
8446	POD_L2_Z02g_FoH Toilet - Wall Tile Finishes	3	09-Oct-19	18-Oct-19	21-Oct-19 A	04-Dec-19	-40	100%	95%															
8450	POD_L2_Z02g_FoH Toilet - Ceiling finishes final coat	3	14-Aug-19	16-Aug-19	15-Nov-19 A	04-Dec-19	-91	100%	50%															
8442	POD_L2_Z02g_FoH Toilet - MEP final fix	6	17-Aug-19	23-Aug-19	18-Nov-19 A	07-Dec-19	-88	100%	40%															
8441	POD_L2_Z02g_FoH Toilet - Door Frame	2	27-Apr-19	29-Apr-19	05-Dec-19	06-Dec-19	-184	100%	0%															
8447	POD_L2_Z02g_FoH Toilet - Cubicle partitions & sanitary ware & fittings	6	19-Oct-19	25-Oct-19	02-Jan-20	08-Jan-20	-62	100%	0%															
8435	POD_L2_Z02g_FoH Toilet - Door / Ironmong	2	26-Oct-19	28-Oct-19	09-Jan-20	10-Jan-20	-62	100%	0%															
Toilet Lobby/ Gallery Circ																								
8463	POD_L2_Z02g_FoH Toilet Lob - MEP 1st fix	3	16-Jul-19	29-Jul-19	10-Jun-19 A	04-Dec-19	-107	100%	97%															
8458	POD_L2_Z02g_FoH Toilet Lob - MEP 2nd fix	6	02-Aug-19	08-Aug-19	17-Jun-19 A	09-Dec-19	-102	100%	82%															
8457	POD_L2_Z02g_FoH Toilet Lob - Ceiling grids	3	30-Jul-19	01-Aug-19	04-Dec-19	06-Dec-19	-106	100%	0%															
8459a	POD_L2_Z02g_FoH Toilet Lob - Ceiling finishes (Plywood backing for Timber fin)	3			10-Dec-19	12-Dec-19		0%	0%															
8460	POD_L2_Z02g_FoH Toilet Lob - MEP final fix	6	21-Nov-19	27-Nov-19	13-Dec-19	19-Dec-19	-19	100%	0%															
8467	POD_L2_Z02g_FoH Toilet Lob - Raised floor pedestal	3	09-Aug-19	12-Aug-19	13-Dec-19	16-Dec-19	-105	100%	0%															
8465a	POD_L2_Z02g_FoH Toilet Lob - Wall Finishes (Plywood backing)	4			13-Dec-19	17-Dec-19		0%	0%															
8468	POD_L2_Z02g_FoH Toilet Lob - Underfloor MEP 1st & 2nd fix	6	13-Aug-19	19-Aug-19	17-Dec-19	23-Dec-19	-105	100%	0%															
8469	POD_L2_Z02g_FoH Toilet Lob - Raised floor panels incl. cut-outs	3	20-Aug-19	22-Aug-19	24-Dec-19	27-Dec-19	-105	100%	0%															
8461a	POD_L2_Z02g_FoH Toilet Lob - Floor finishes (resilient layer, ply base)	4			28-Dec-19	02-Jan-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	50%	0%															
Galleries & Gallery Circ, Gallery BOH, BoH Rms, Lobbies & Corridors - POD_L2_Z03																								
8612	POD_L2_Z03b/c_BoH - All Other Finishes / Make Good & Clean	12	06-Aug-19	19-Aug-19	06-Jan-20	18-Jan-20	-126	100%	0%															
8573	POD_L2_Z03a_FoH - All Other Finishes / Make Good & Clean	30	19-Mar-20	15-May-20	27-May-20	02-Jul-20	-39	0%	0%															
Gallery 12 & 13, Open Gallery, Harbour View Gallery 2 and Gallery Circ. - POD_L2_Z03a (S26)																								
8574	POD_L2_Z03a_FoH - MEP 1st fix	4	27-Apr-19	24-Jun-19	25-Mar-19 A	05-Dec-19	-137	100%	80%															
8575	POD_L2_Z03a_FoH - MEP 2nd fix (partly)	7	15-Jul-19	10-Aug-19	08-Apr-19 A	09-Dec-19	-100	100%	70%															
8576	POD_L2_Z03a_FoH - Dry Wall Frame & Board (one side)	3	20-May-19	17-Jun-19	21-Jun-19 A	04-Dec-19	-142	100%	90%															
8579	POD_L2_Z03a_FoH - Dry Wall MEP Services/Conduits MEP 1st fix	6	18-Jun-19	16-Jul-19	19-Aug-19 A	07-Dec-19	-121	100%	70%															
8575a	POD_L2_Z03a_FoH - MEP 2nd fix	9			06-Nov-19 A	12-Dec-19		0%	60%															
8588a	POD_L2_Z03a_FoH - Ceiling board	14			21-Oct-19 A	19-Dec-19		0%	20%															
8575b	POD_L2_Z03a_FoH - MEP Final Fix	18			06-Dec-19	27-Dec-19		0%	0%															
8581	POD_L2_Z03a_FoH - Close Dry Wall / Board	6	23-Nov-19	17-Dec-19	14-Oct-19 A	11-Dec-19	5	33.33%	90%															
8583	POD_L2_Z03a_FoH - Raised floor pedestal	21	22-Jul-19	27-Aug-19	10-Dec-19	04-Jan-20	-107	100%	0%															
8584	POD_L2_Z03a_FoH - Underfloor MEP 1st fix	21	05-Aug-19	23-Sep-19	17-Dec-19	11-Jan-20	-91	100%	0%															
9641	POD_L2_Z03a_FoH - Underfloor MEP 2nd fix	21	24-Sep-19	23-Oct-19	24-Dec-19	18-Jan-20	-73	100%	0%															

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020														
										2019		Qtr 1			Qtr 2			Qtr 3						
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
9630	POD_L2_Z04b_BoH_South - MEP 2nd Fix	7	31-May-19	21-Jun-19	22-Jul-19 A	09-Dec-19	-142	100%	64%															
9634	POD_L2_Z04b_BoH_South - Underfloor MEP 1st & 2nd Fix	7	29-Jun-19	13-Jul-19	16-Sep-19 A	14-Dec-19	-129	100%	60%															
9633	POD_L2_Z04b_BoH_South - Safe grid metal deck 1st fix	9	22-Jun-19	28-Jun-19	21-Oct-19 A	12-Dec-19	-139	100%	50%															
9632	POD_L2_Z04b_BoH_South - Wall finishes (paint incl. door & iron)	12	20-Jun-19	02-Aug-19	06-Dec-19	19-Dec-19	-116	100%	0%															
9635	POD_L2_Z04b_BoH_South - Install Safe grid metal deck	4	15-Jul-19	18-Jul-19	16-Dec-19	19-Dec-19	-129	100%	0%															
9636	POD_L2_Z04b_BoH_South - MEP Final Fix	9	03-Aug-19	13-Aug-19	20-Dec-19	31-Dec-19	-116	100%	0%															
Gallery BoH Internal - POD_L2_Z04c																								
8666	POD_L2_Z04c_BoH - MEP 1st Fix	3	23-Mar-19	06-May-19	07-Mar-19 A	04-Dec-19	-177	100%	86%															
8667	POD_L2_Z04c_BoH - MEP 2nd Fix	7	07-May-19	27-May-19	13-May-19 A	09-Dec-19	-163	100%	71%															
8674	POD_L2_Z04c_BoH - Underfloor MEP 1st & 2nd Fix	7	04-Jun-19	25-Jun-19	20-May-19 A	14-Dec-19	-144	100%	75%															
8672	POD_L2_Z04c_BoH - Close Dry Wall	5	19-Jul-19	25-Jul-19	17-Jul-19 A	06-Dec-19	-112	100%	95%															
8673	POD_L2_Z04c_BoH - Safe grid metal deck 1st fix	7	28-May-19	12-Jun-19	21-Oct-19 A	11-Dec-19	-152	100%	60%															
8664	POD_L2_Z04c_BoH - Door / Ironmong	7	09-Aug-19	22-Aug-19	25-Nov-19 A	09-Dec-19	-90	100%	5%															
8669	POD_L2_Z04c_BoH - Wall finishes (paint)	15	09-Jul-19	29-Jul-19	06-Dec-19	23-Dec-19	-123	100%	0%															
8675	POD_L2_Z04c_BoH - Install Safe grid metal deck	8	24-Jun-19	03-Jul-19	13-Dec-19	21-Dec-19	-144	100%	0%															
8671	POD_L2_Z04c_BoH - MEP Final Fix	9	30-Jul-19	08-Aug-19	20-Dec-19	31-Dec-19	-120	100%	0%															
BoH Rooms, Corridors & Lobbies - Non-RF Areas - POD_L2_Z04d																								
8747	POD_L2_Z04d_BoH - MEP 1st fix	3	26-Mar-19	08-May-19	05-Mar-19 A	04-Dec-19	-175	100%	81%															
8748	POD_L2_Z04d_BoH - MEP 2nd fix	7	09-May-19	29-May-19	13-May-19 A	11-Dec-19	-163	100%	66%															
8750	POD_L2_Z04d_BoH - Wall paint	9	30-May-19	10-Jun-19	18-Nov-19 A	14-Dec-19	-157	100%	50%															
8753	POD_L2_Z04d_BoH - Wall final paint	9	11-Jun-19	20-Jun-19	13-Dec-19	23-Dec-19	-155	100%	0%															
8755	POD_L2_Z04d_BoH - MEP final fix	9	19-Jul-19	29-Jul-19	20-Dec-19	31-Dec-19	-129	100%	0%															
8752	POD_L2_Z04d_BoH - Floor sealer	3	30-Jul-19	01-Aug-19	02-Jan-20	04-Jan-20	-129	100%	0%															
8751	POD_L2_Z04d_BoH - Doors/ 7nos. SR3 Doors & Ironmong	12	02-Aug-19	15-Aug-19	06-Jan-20	18-Jan-20	-129	100%	0%															
FoH Toilets - Public - POD_L2_Z04e																								
Toilet Block																								
8683	POD_L2_Z04e_FoH Toilet - MEP 2nd Fix	3	26-Jun-19	10-Jul-19	08-Apr-19 A	04-Dec-19	-123	100%	96%															
8685	POD_L2_Z04e_FoH Toilet - MEP Final Fix	6	27-Jul-19	02-Aug-19	18-Nov-19 A	14-Dec-19	-112	100%	40%															
8692	POD_L2_Z04e_FoH Toilet - Ceiling Finishes Final Coat	6	20-Jul-19	26-Jul-19	05-Dec-19	11-Dec-19	-115	100%	0%															
8708	POD_L2_Z04e_FoH Toilet - Conc flr curing, polishing & install protection	36	03-Aug-19	13-Sep-19	09-Dec-19	21-Jan-20	-106	100%	0%															
8684	POD_L2_Z04e_FoH Toilet - Door Frame	2	06-May-19	07-May-19	16-Dec-19*	17-Dec-19	-187	100%	0%															
8688	POD_L2_Z04e_FoH Toilet - Wall Tile Finishes	11	16-Sep-19	27-Sep-19	20-Jan-20	08-Feb-20	-104	100%	0%															
8689	POD_L2_Z04e_FoH Toilet - Cubicle partitions & sanitary ware & fittings	12	28-Sep-19	14-Oct-19	06-Feb-20	10-Feb-20	-101	100%	0%															
8678	POD_L2_Z04e_FoH Toilet - Door / Ironmong	6	15-Oct-19	21-Oct-19	20-Feb-20	26-Feb-20	-101	100%	0%															
Toilet Lobby/ Corridor																								
8705	POD_L2_Z04e_FoH Toilet Lob - MEP 1st fix	3	23-Mar-19	06-Apr-19	08-Apr-19 A	04-Dec-19	-201	100%	97%															
8700	POD_L2_Z04e_FoH Toilet Lob - MEP 2nd fix	6	15-Apr-19	20-Apr-19	15-Apr-19 A	10-Dec-19	-194	100%	83%															
8699	POD_L2_Z04e_FoH Toilet Lob - Ceiling grids	3	08-Apr-19	11-Apr-19	21-Oct-19 A	06-Dec-19	-199	100%	70%															
8710	POD_L2_Z04e_FoH Toilet Lob - Underfloor MEP 1st & 2nd Fix	6	20-Jul-19	26-Jul-19	11-Dec-19	17-Dec-19	-120	100%	0%															
8701a	POD_L2_Z04e_FoH Toilet Lob - Ceiling finishes (Plywood backing to Timber fin)	3			11-Dec-19	13-Dec-19		0%	0%															
8707a	POD_L2_Z04e_FoH Toilet Lob - Wall Finishes (Plywood backing)	4			14-Dec-19	18-Dec-19		0%	0%															
8702	POD_L2_Z04e_FoH Toilet Lob - MEP final fix	6	21-Nov-19	27-Nov-19	18-Dec-19	24-Dec-19	-23	100%	0%															
8711	POD_L2_Z04e_FoH Toilet Lob - Raised floor panels incl. cut-outs	3	27-Jul-19	30-Jul-19	18-Dec-19	20-Dec-19	-120	100%	0%															
8703a	POD_L2_Z04e_FoH Toilet Lob - Floor finishes (resilient layer, plywood base)	4			26-Dec-19	30-Dec-19		0%	0%															
8701	POD_L2_Z04e_FoH Toilet Lob - Ceiling finishes (Timber)	3	18-Nov-19	20-Nov-19	25-May-20	27-May-20	-151	100%	0%															
8707	POD_L2_Z04e_FoH Toilet Lob - Wall Finishes (Timber)	4	21-Nov-19	27-Nov-19	28-May-20	01-Jun-20	-149	100%	0%															
8703	POD_L2_Z04e_FoH Toilet Lob - Floor finishes (Timber)	4	28-Nov-19	04-Dec-19	02-Jun-20	05-Jun-20	-147	50%	0%															
Plaza																								
Plaza - POD_L2_Z05 (SZ5)																								
8715	POD_L2_Z05_Plaza - MEP 1st fix	9	08-Jul-19	17-Sep-19	08-Apr-19 A	13-Dec-19	-74	100%	95%															
8714	POD_L2_Z05_Plaza - Ceiling & wall sealer (above dry wall - 1.95m below soffit)	3	18-Jun-19	03-Jul-19	06-Jun-19 A	04-Dec-19	-129	100%	90%															
8794	POD_L2_Z05_Plaza - MEP 2nd fix	9	17-Sep-19	24-Oct-19	10-Jun-19 A	17-Dec-19	-47	100%	90%															
8718	POD_L2_Z05_Plaza - MEP final fix	21	24-Oct-19	14-Nov-19	15-Jul-19 A	31-Dec-19	-40	100%	30%															
8720	POD_L2_Z05_Plaza - Floor screeding	9	25-Jun-19	11-Jul-19	14-Oct-19 A	11-Dec-19	-128	100%	30%															
9739	POD_L2_Z05_Plaza - Dry Wall Frame	9	04-Jul-19	22-Jul-19	21-Oct-19 A	11-Dec-19	-119	100%	35%															
9740	POD_L2_Z05_Plaza - Dry Wall MEP Services/Conduits MEP 1st fix	12	23-Jul-19	12-Aug-19	18-Nov-19 A	16-Dec-19	-105	100%	20%															
9741	POD_L2_Z05_Plaza - Close Dry Wall	12	13-Aug-19	26-Aug-19	20-Nov-19 A	19-Dec-19	-96	100%	35%															
8722	POD_L2_Z05_Plaza - Brackets/Hangers/Smoke Curtain Channels Setting Out & In	10	05-Aug-19	19-Aug-19	05-Dec-19	16-Dec-19	-100	100%	0%															
8719	POD_L2_Z05_Plaza - Install Smoke Curtain box	18	24-Sep-19	24-Oct-19	06-Dec-19	27-Dec-19	-55	100%	0%															
9542	POD_L2_Z05_Plaza - Install Metal Balustrade	18	24-Oct-19	14-Nov-19	12-Dec-19	03-Jan-20	-42	100%	0%															
9742	POD_L2_Z05_Plaza - Wall finishes (paint on dry wall)	12	27-Aug-19	12-Sep-19	13-Dec-19	27-Dec-19	-87	100%	0%															
8716a	POD_L2_Z05_Plaza - Floor finishes (resilient layer, plywood backing)	24			04-Jan-20	08-Feb-20		0%	0%															
8716	POD_L2_Z05_Plaza - Floor finishes (Timber)	48	18-Nov-19	09-Jan-20	01-Jun-20	28-Jul-20	-161	27.27%	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	0%	0%															
Plaza Mezzanine Level BoH Corridor - POD_L2M_Z05a																								
9648	POD_L2M_Z05a_BoH - Brackets/Hangers for HL MEP Services MEP 1st fix	6	10-May-19	16-May-19	13-May-19 A	07-Dec-19	-171	100%	87%															
9650	POD_L2M_Z05a_BoH - LL MEP 1st, 2nd & Final Fix (Ducts, FSP Pipe, Drainage no)	12	29-Jun-19	10-Aug-19	24-Jun-19 A	14-Dec-19	-105	100%	85%															
Level L3																								
ABWF Works & MEP Works																								
FoH & BoH Areas @ Tower Footprint - POD_L3_Z01a, L3_Z01b & L3_Z01c																								
8332	POD_L3_Z01a_d_FoH - All Other Finishes (floor mat) / Make Good & Clean	12	08-Nov-19	22-Nov-19	15-May-20	28-May-20	-151	100%	0%															
8363	POD_L3_Z01b & L3_Z01c_BoH - All Other Finishes / Make Good & Clean	12	02-Aug-19	15-Aug-19	11-Feb-20	24-Feb-20	-153	100%	0%															
8280	POD_L3_Z01d_FoH Toilet Lob - All Other Finishes / Make Good & Clean	12	27-Sep-19	14-Oct-19	22-Apr-20	06-May-20	-166	100%	0%															
FoH - Museum Cafe 2 & Warming Kitchen and BOH @ Tower Footprint - POD_L3_Z01a																								
8321	POD_L3_Z01a_FoH - MEP 1st fix	11	08-Jun-19	05-Aug-19	02-May																			

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020											
										2019		Qtr 1			Qtr 2			Qtr 3			
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Roof Terrace Toilets, Lobbies, Storage & Lift Vestibule @ G.L. 10+/-13/ B+D - POD_L3_Z02																					
8289	POD_L3_Z02 - All Other Finishes / Make Good & Clean	12	28-Sep-19	14-Oct-19	03-Mar-20	16-Mar-20	-123	100%	0%												
FoH Toilets - Roof Terrace Toilets - POD_L3_Z02																					
Toilet Block																					
8303	POD_L3_Z02_FoH Toilet - MEP 1st fix Ceiling	15	26-Apr-19	21-May-19	03-Jun-19 A	18-Dec-19	-176	100%	3%												
8301	POD_L3_Z02_FoH Toilet - MEP 1st fix Block Wall	7	19-Apr-19	26-Apr-19	09-Jun-19 A	09-Dec-19	-188	100%	2%												
8304	POD_L3_Z02_FoH Toilet - Dry Wall Frame & Board (one side)	13	23-Apr-19	29-Apr-19	20-Aug-19 A	16-Dec-19	-192	100%	80%												
8305	POD_L3_Z02_FoH Toilet - Dry Wall MEP Services/Conduits (MEP 1st fix)	16	26-Apr-19	10-May-19	26-Aug-19 A	19-Dec-19	-186	100%	1%												
8297	POD_L3_Z02_FoH Toilet - W/proof/Testing & Protective Screenshot	7	15-Apr-19	22-Apr-19	05-Dec-19	12-Dec-19	-195	100%	0%												
8292	POD_L3_Z02_FoH Toilet - Seal Wall Opening	3	27-Apr-19	30-Apr-19	10-Dec-19	12-Dec-19	-188	100%	0%												
8296	POD_L3_Z02_FoH Toilet - Floor Screenshot	3	23-Apr-19	25-Apr-19	13-Dec-19	16-Dec-19	-195	100%	0%												
8290	POD_L3_Z02_FoH Toilet - Ceiling Rods & Grids	3	29-May-19	31-May-19	19-Dec-19	21-Dec-19	-170	100%	0%												
8294	POD_L3_Z02_FoH Toilet - Door Frame	2	22-May-19	23-May-19	19-Dec-19	20-Dec-19	-176	100%	0%												
8306	POD_L3_Z02_FoH Toilet - Close Dry Wall	4	11-May-19	15-May-19	20-Dec-19	24-Dec-19	-186	100%	0%												
8287	POD_L3_Z02_FoH Toilet - Wall Plastering (internal & external)	4	24-May-19	28-May-19	23-Dec-19	27-Dec-19	-177	100%	0%												
8293	POD_L3_Z02_FoH Toilet - MEP 2nd fix	9	01-Jun-19	15-Jun-19	23-Dec-19	03-Jan-20	-167	100%	0%												
8291	POD_L3_Z02_FoH Toilet - Close ceiling (board) incl. Cut-Outs	4	17-Jun-19	20-Jun-19	04-Jan-20	08-Jan-20	-167	100%	0%												
8295	POD_L3_Z02_FoH Toilet - MEP final fix	6	19-Jul-19	25-Jul-19	09-Jan-20	15-Jan-20	-144	100%	0%												
8302	POD_L3_Z02_FoH Toilet - Ceiling finishes final coat	3	21-Jun-19	24-Jun-19	09-Jan-20	11-Jan-20	-167	100%	0%												
8318	POD_L3_Z02_FoH Toilet - Conc flr curing, polishing & install protection	36	26-Jul-19	05-Sep-19	09-Jan-20	27-Feb-20	-138	100%	0%												
8298	POD_L3_Z02_FoH Toilet - Wall Tile Finishes	8	17-Sep-19	25-Sep-19	24-Feb-20	03-Mar-20	-126	100%	0%												
8299	POD_L3_Z02_FoH Toilet - Cubicle partitions & sanitary ware & fittings	6	26-Sep-19	03-Oct-19	29-Feb-20	06-Mar-20	-123	100%	0%												
8288	POD_L3_Z02_FoH Toilet - Door / Ironmong.	2	04-Oct-19	05-Oct-19	07-Mar-20	09-Mar-20	-123	100%	0%												
Toilet Lobby																					
9704	POD_L3_Z02_FoH Toilet Lob - MEP 1st fix	8	12-Jun-19	25-Jun-19	10-Jun-19 A	10-Dec-19	-140	100%	8%												
9703	POD_L3_Z02_FoH Toilet Lob - Ceiling & Wall sealer	2	10-Jun-19	11-Jun-19	05-Dec-19*	06-Dec-19	-149	100%	0%												
9706	POD_L3_Z02_FoH Toilet Lob - MEP 2nd fix	12	26-Jun-19	10-Jul-19	11-Dec-19	24-Dec-19	-140	100%	0%												
9709	POD_L3_Z02_FoH Toilet Lob - MEP final fix MEP Final fix	6	19-Jul-19	25-Jul-19	26-Dec-19	02-Jan-20	-133	100%	0%												
9702	POD_L3_Z02_FoH Toilet Lob - Floor concrete pavers	3	03-Sep-19	05-Sep-19	25-Feb-20	27-Feb-20	-138	100%	0%												
9705	POD_L3_Z02_FoH Toilet Lob - Door / Ironmong.	2	06-Sep-19	07-Sep-19	28-Feb-20	29-Feb-20	-138	100%	0%												
BoH - Storage - POD_L3_Z02																					
8342	POD_L3_Z02_BoH - Patch-up tie bolt holes, screed, C_sealer	12	08-Apr-19	20-Apr-19	03-Jun-19 A	14-Dec-19	-198	100%	20%												
8344	POD_L3_Z02_BoH - MEP 1st fix	18	22-Apr-19	03-Jun-19	10-Jun-19 A	21-Dec-19	-168	100%	28%												
8345	POD_L3_Z02_BoH - MEP 2nd fix	24	04-Jun-19	25-Jun-19	17-Jun-19 A	03-Jan-20	-159	100%	5%												
8346	POD_L3_Z02_BoH - Wall paint undercoat	12	26-Jun-19	10-Jul-19	04-Jan-20	17-Jan-20	-159	100%	0%												
8347	POD_L3_Z02_BoH - Wall final paint	6	11-Jul-19	17-Jul-19	18-Jan-20	24-Jan-20	-159	100%	0%												
8348	POD_L3_Z02_BoH - MEP final fix MEP Final fix	9	19-Jul-19	29-Jul-19	03-Feb-20	12-Feb-20	-158	100%	0%												
8349	POD_L3_Z02_BoH - Floor sealer	2	30-Jul-19	31-Jul-19	13-Feb-20	14-Feb-20	-158	100%	0%												
8350	POD_L3_Z02_BoH - Doors & Ironmong.	2	01-Aug-19	02-Aug-19	15-Feb-20	17-Feb-20	-158	100%	0%												
Lift (LT22) Vestibule @ G.L. 10+/- A+B																					
9713	POD_L3_Z02_Lift Vest. - MEP 1st fix	18	17-Aug-19	23-Aug-19	15-Jul-19 A	21-Dec-19	-100	100%	9%												
9715	POD_L3_Z02_Lift Vest. - MEP 2nd fix	6	24-Aug-19	30-Aug-19	23-Dec-19	30-Dec-19	-100	100%	0%												
9716	POD_L3_Z02_Lift Vest. - MEP final fix MEP Final fix	3	31-Aug-19	03-Sep-19	31-Dec-19	03-Jan-20	-100	100%	0%												
9711	POD_L3_Z02_Lift Vest. - Floor concrete pavers & tactile to Roof Terrace Toilet Lot	3	04-Sep-19	06-Sep-19	04-Jan-20	07-Jan-20	-100	100%	0%												
9714	POD_L3_Z02_Lift Vest. - Glass partition @ Lift Openings (2 sides)	6	07-Sep-19	13-Sep-19	08-Jan-20	14-Jan-20	-100	100%	0%												
Level 3 Hard & Soft Landscaping																					
General																					
14238g	POD_LAN - Architectural Lightings Installation (EX5A/5B/6)	12	17-Feb-20	29-Feb-20	26-May-20	08-Jun-20	-83	0%	0%												
9061	POD_LAN_ALL - Install balustrades along perimeter/Benches	54	19-Aug-19	31-Oct-19	13-Dec-19	24-Feb-20	-91	100%	0%												
9063	POD_LAN_ALL - Hard landscape	45	12-Dec-19	13-Feb-20	29-Feb-20	22-Apr-20	-59	0%	0%												
North Section AM/1-6.5																					
9048	POD_LAN_N - AM/1-6.5 Levelling screed/ W/proof & testing	50	03-May-19	03-Aug-19	18-Mar-19 A	07-Feb-20	-149	100%	92%												
9049	POD_LAN_N - AM/1-6.5 Lay insulation & screed to fall	30	15-Jun-19	17-Aug-19	17-Aug-19 A	14-Feb-20	-143	100%	85%												
9050	POD_LAN_N - AM/1-6.5 Construct RC screed	42	22-Jun-19	16-Sep-19	03-Jun-19 A	21-Feb-20	-125	100%	75%												
9051	POD_LAN_N - AM/1-6.5 Construct sleeper wall + ducts & drawpits	30	22-Jun-19	30-Sep-19	10-Jul-19 A	21-Feb-20	-113	100%	60%												
9053	POD_LAN_N - AM/1-6.5 Soft landscaping	52	28-Nov-19	06-Feb-20	11-Nov-19 A	13-Mar-20	-31	5.77%	10%												
9052	POD_LAN_N - AM/1-6.5 Install precast concrete pavers	42	02-Sep-19	27-Nov-19	25-Nov-19 A	28-Feb-20	-71	100%	1%												
9071	POD_LAN_N - AM/1-6.5 MEP 1st & 2nd fix	48	02-Sep-19	09-Oct-19	27-Nov-19 A	28-Feb-20	-113	100%	3%												
9072	POD_LAN_N - AM/1-6.5 MEP final fix (FS hose reel system)	12	17-Sep-19	30-Sep-19	29-Nov-19 A	28-Feb-20	-119	100%	0.99%												
9075	POD_LAN_N - AM/1-6.5 MEP final fix (rem)	12	28-Nov-19	11-Dec-19	29-Feb-20	13-Mar-20	-71	25%	0%												
South Section AM/8.5-14																					
7039	POD_LAN_S - AM/8.5-14 Levelling screed/W/proofing & testing (*linked to PISA sto	10	07-May-19	08-Aug-19	18-Mar-19 A	12-Dec-19	-106	100%	90%												
7041	POD_LAN_S - AM/8.5-14 Lay insulation & screed to fall	16	19-Jun-19	22-Aug-19	05-Jul-19 A	23-Jan-20	-128	100%	85%												
7042	POD_LAN_S - AM/8.5-14 Construct RC screed	30	26-Jun-19	20-Sep-19	15-Jul-19 A	07-Feb-20	-110	100%	70%												
7043	POD_LAN_S - AM/8.5-14 Construct sleeper wall + ducts & drawpits	36	25-Jul-19	05-Oct-19	04-Sep-19 A	14-Feb-20	-104	100%	40%												
7125	POD_LAN_S - AM/8.5-14 MEP 1st & 2nd fix	45	05-Sep-19	14-Oct-19	25-Nov-19 A	21-Feb-20	-104	100%	3%												
7130	POD_LAN_S - AM/8.5-14 MEP final fix (FS hose reel system)	12	20-Sep-19	05-Oct-19	27-Nov-19 A	28-Feb-20	-116	100%	0.99%												
7057	POD_LAN_S - AM/8.5-14 Pp/cast pavers & Interface with Escalator localised area (t	54	05-Sep-19	02-Dec-19	11-Dec-19	21-Feb-20	-62	99.38%	0%												
7111	POD_LAN_S - AM/8.5-14 Soft landscaping	52	02-Dec-19	11-Feb-20	28-Dec-19	06-Mar-20	-22	0%	0%												
7187	POD_LAN_S - AM/8.5-14 MEP final fix (rem)	12	02-Dec-19	16-Dec-19	22-Feb-20	06-Mar-20	-62	0%	0%												
Midle Section - AM/6.5-8.5																					
9054	POD_LAN_M - AM/6.5-8.5 Levelling screed/ W/proof & testing	12	02-Sep-19	02-Oct-19	24-Oct-19 A	14-Dec-19	-63	100%	50.01%												
9055	POD_LAN_M - AM/6.5-8.5 Lay insulation & screed to fall	18	24-Sep-19	17-Oct-19	12-Nov-19 A	21-Dec-19	-57	100%	30%												
9056	POD_LAN_M - AM/6.5-8.5 Construct RC screed	24	17-Oct-19	14-Nov-19	02-Dec-19	30-Dec-19	-39	100%	0%												
9057	POD_LAN_M - AM/6.5-8.5 Construct sleeper wall + ducts & drawpits	24	31-Oct-19	28-Nov-19	16-Dec-19	14-Jan-20	-39	100%	0%												
9058	POD_LAN_M - AM/6.5-8.5 Install precast concrete pavers	12	28-Nov-19	12-Dec-19	06-Jan-20	18-Jan-20	-31	21.3%	0%												
9066	POD_LAN_M - AM/6.5-8.5 MEP 1st & 2nd fix (no FSD services)	12	12-Dec-19	27-Dec-19	20-Jan-20	10-Feb-20	-31	0%													

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020															
										2019		Qtr 1			Qtr 2			Qtr 3							
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep					
8965	POD_LT21_FS - Fireman/passenger/disabled Lift (B2-2F) - Lift Pit/Shaft/Machine R	3	15-Jan-19	01-Apr-19	24-Dec-18 A	04-Dec-19	-205	100%	95.01%																
Escalators																									
Escalator No. and grid location by user (SZ1)																									
9498	POD_ES01-02_GL D/E/8-10_B2 to B1 - Install Truss Assy/Steps/Hand Rail MEP 1s	12	04-May-19	15-Jul-19	22-Oct-19 A	14-Dec-19	-128	100%	56%																
9499	POD_ES01-02_GL D/E/8-10_B2 to B1 - High Level MEP 1st, 2nd & final fix/ ABWF	24	16-Jul-19	12-Aug-19	16-Dec-19	14-Jan-20	-128	100%	0%																
9500	POD_ES01-02_GL D/E/8-10_B2 to B1 - Escalator Finishes (glazing, cladding, balu	24	13-Aug-19	09-Sep-19	15-Jan-20	19-Feb-20	-128	100%	0%																
9504	POD_ES05-06_GL D/E/4-7_GF to 2F - Install Truss Assy/Steps/Hand Rail MEP 1st,	27	20-May-19	30-Jul-19	12-Nov-19 A	03-Jan-20	-130	100%	38%																
9505	POD_ES05-06_GL D/E/4-7_GF to 2F - High Level MEP 1st, 2nd & final fix/ ABWF	24	31-Jul-19	27-Aug-19	04-Jan-20	08-Feb-20	-130	100%	0%																
9506	POD_ES05-06_GL D/E/4-7_GF to 2F - Escalator Finishes (glazing, cladding, balu	24	28-Aug-19	25-Sep-19	10-Feb-20	07-Mar-20	-130	100%	0%																
9510	POD_ES03-04_GL D/E/5-6_B1 to GF - Install Truss Assy/Steps/Hand Rail MEP 1st,	6	04-May-19	15-Jul-19	25-Oct-19 A	07-Dec-19	-122	100%	81%																
9511	POD_ES03-04_GL D/E/5-6_B1 to GF - High Level MEP 1st, 2nd & final fix/ ABWF	24	16-Jul-19	12-Aug-19	09-Dec-19	07-Jan-20	-122	100%	0%																
9512	POD_ES03-04_GL D/E/5-6_B1 to GF - Escalator Finishes (glazing, cladding, balu	24	13-Aug-19	09-Sep-19	08-Jan-20	12-Feb-20	-122	100%	0%																
9519	POD_ES11-12_GL C/D/2-3_B1 to GF - Install Truss Assy/Steps/Hand Rail MEP 1st,	7	04-May-19	15-Jul-19	12-Sep-19 A	09-Dec-19	-123	100%	81%																
9522	POD_ES11-12_GL C/D/2-3_B1 to GF - Escalator Finishes (glazing, cladding, balu	24	13-Aug-19	09-Sep-19	21-Oct-19 A	08-Jan-20	-99	100%	81%																
9521	POD_ES11-12_GL C/D/2-3_B1 to GF - High Level MEP 1st, 2nd & final fix/ ABWF	24	16-Jul-19	12-Aug-19	10-Dec-19	08-Jan-20	-123	100%	0%																
9545	POD_ES13-14_GL D/G/11-12_LT to 3F - High Lvl MEP 1st,2nd,final fix/ABWF work	24	11-Oct-19	01-Nov-19	04-Feb-20	03-Mar-20	-96	100%	0%																
9544	POD_ES13-14_GL D/G/11-12_LT to 3F - Complete Escalator Installation (*2 shifts)	36	30-Jul-19	11-Oct-19	25-Feb-20	08-Apr-20	-144	100%	0%																
9546	POD_ES13-14_GL D/G/11-12_LT to 3F - Escalator Finishes (minor ABWF works)	12	02-Nov-19	29-Nov-19	01-Apr-20	15-Apr-20	-108	100%	0%																
Staircases																									
Staircases Required for Pressurisation																									
8969	POD_ST01B_FS - MEP 1st fix, 2nd fix	5	14-May-19	25-Jun-19	08-Apr-19 A	06-Dec-19	-137	100%	77.5%																
8971	POD_ST01B_FS - Permanent Hand Rail	13	03-Jul-19	17-Jul-19	18-Nov-19 A	16-Dec-19	-127	100%	90%																
8970	POD_ST01B_FS - Wall Dust Sealer	26	10-Jun-19	10-Jul-19	02-Dec-19	02-Jan-20	-146	100%	0%																
8972	POD_ST01B_FS - Stair Nosing Tile	13	05-Jul-19	19-Jul-19	04-Dec-19	18-Dec-19	-127	100%	0%																
8973	POD_ST01B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	13-Jul-19	26-Jul-19	12-Dec-19	26-Dec-19	-127	100%	0%																
8977	POD_ST03B_FS - MEP 1st fix, 2nd fix	18	14-May-19	25-Jun-19	22-Jul-19 A	21-Dec-19	-150	100%	10%																
8979	POD_ST03B_FS - Permanent Hand Rail	13	03-Jul-19	17-Jul-19	18-Nov-19 A	16-Dec-19	-127	100%	90%																
8981	POD_ST03B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	13-Jul-19	26-Jul-19	18-Nov-19 A	07-Jan-20	-136	100%	50.01%																
8975	POD_ST03B_FS - Ceiling Dust Sealer	26	01-Apr-19	02-May-19	02-Dec-19*	02-Jan-20	-203	100%	0%																
8978	POD_ST03B_FS - Wall Dust Sealer	26	10-Jun-19	10-Jul-19	03-Jan-20	10-Feb-20	-172	100%	0%																
8985	POD_ST04B_FS - MEP 1st fix, 2nd fix	5	14-May-19	25-Jun-19	08-Apr-19 A	06-Dec-19	-137	100%	72.5%																
8987	POD_ST04B_FS - Permanent Hand Rail	1	03-Jul-19	17-Jul-19	14-Oct-19 A	03-Dec-19	-115	100%	90%																
8989	POD_ST04B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	13-Jul-19	26-Jul-19	18-Nov-19 A	13-Jan-20	-141	100%	50.01%																
8983	POD_ST04B_FS - Ceiling Dust Sealer	26	01-Apr-19	02-May-19	02-Dec-19*	02-Jan-20	-203	100%	0%																
8986	POD_ST04B_FS - Wall Dust Sealer	26	10-Jun-19	10-Jul-19	05-Dec-19	06-Jan-20	-149	100%	0%																
8995	POD_ST05_FS - Permanent Hand Rail	13	14-Aug-19	28-Aug-19	07-Oct-19 A	16-Dec-19	-91	100%	70%																
8991	POD_ST05_FS - Ceiling Dust Sealer	26	03-May-19	01-Jun-19	02-Dec-19	02-Jan-20	-177	100%	0%																
8994	POD_ST05_FS - Wall Dust Sealer	26	23-Jul-19	21-Aug-19	03-Jan-20	10-Feb-20	-136	100%	0%																
8997	POD_ST05_FS - All Other Finishes (DOOR) / Make Good & Clean	12	24-Aug-19	06-Sep-19	11-Feb-20	24-Feb-20	-134	100%	0%																
9001	POD_ST07B_FS - MEP 1st fix, 2nd fix	10	26-Jun-19	07-Aug-19	15-Apr-19 A	12-Dec-19	-106	100%	88.7%																
9003	POD_ST07B_FS - Permanent Hand Rail	8	14-Aug-19	28-Aug-19	21-Oct-19 A	10-Dec-19	-86	100%	90%																
9005	POD_ST07B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	24-Aug-19	06-Sep-19	25-Nov-19 A	21-Jan-20	-112	100%	50.01%																
8999	POD_ST07B_FS - Ceiling Dust Sealer	26	03-May-19	01-Jun-19	13-Dec-19	14-Jan-20	-187	100%	0%																
9002	POD_ST07B_FS - Wall Dust Sealer	26	23-Jul-19	21-Aug-19	13-Dec-19	14-Jan-20	-120	100%	0%																
9009	POD_ST08B_FS - MEP 1st fix, 2nd fix	18	26-Jun-19	07-Aug-19	22-Jul-19 A	21-Dec-19	-114	100%	30%																
9011	POD_ST08B_FS - Permanent Hand Rail	13	14-Aug-19	28-Aug-19	14-Oct-19 A	16-Dec-19	-91	100%	90%																
9013	POD_ST08B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	24-Aug-19	06-Sep-19	18-Nov-19 A	09-Jan-20	-102	100%	50.01%																
9007	POD_ST08B_FS - Ceiling Dust Sealer	26	03-Jun-19	04-Jul-19	02-Dec-19*	02-Jan-20	-151	100%	0%																
9010	POD_ST08B_FS - Wall Dust Sealer	26	23-Jul-19	21-Aug-19	02-Dec-19	02-Jan-20	-110	100%	0%																
9017	POD_ST14B_FS - MEP 1st fix, 2nd fix	5	08-Aug-19	19-Sep-19	15-Apr-19 A	06-Dec-19	-65	100%	92.5%																
9019	POD_ST14B_FS - Permanent Hand Rail	13	26-Sep-19	12-Oct-19	14-Oct-19 A	16-Dec-19	-55	100%	90%																
9021	POD_ST14B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	09-Oct-19	22-Oct-19	25-Nov-19 A	09-Jan-20	-66	100%	50.01%																
9015	POD_ST14B_FS - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	02-Dec-19*	02-Jan-20	-175	100%	0%																
9018	POD_ST14B_FS - Wall Dust Sealer	26	03-Sep-19	04-Oct-19	02-Dec-19	02-Jan-20	-74	100%	0%																
9026	POD_ST18_FS - MEP 1st fix, 2nd fix	10	08-Aug-19	19-Sep-19	14-Oct-19 A	12-Dec-19	-70	100%	80%																
9038	POD_ST20B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	09-Oct-19	22-Oct-19	18-Nov-19 A	27-Dec-19	-56	100%	50.01%																
9036	POD_ST20B_FS - Permanent Hand Rail	13	26-Sep-19	12-Oct-19	25-Nov-19 A	16-Dec-19	-55	100%	90%																
9032	POD_ST20B_FS - Ceiling Dust Sealer	26	05-Jun-19	06-Jul-19	02-Dec-19*	02-Jan-20	-149	100%	0%																
9034	POD_ST20B_FS - MEP 1st fix, 2nd fix	16	08-Aug-19	19-Sep-19	02-Dec-19*	19-Dec-19	-76	100%	0%																
9035	POD_ST20B_FS - Wall Dust Sealer	26	03-Sep-19	04-Oct-19	23-Dec-19	23-Jan-20	-92	100%	0%																
9576	POD_ST51B_FS - Permanent Hand Rail	13	09-Jul-19	23-Jul-19	14-Oct-19 A	16-Dec-19	-122	100%	90%																
9578	POD_ST51B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	19-Jul-19	01-Aug-19	26-Nov-19 A	09-Jan-20	-133	100%	50.01%																
9572	POD_ST51B_FS - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	02-Dec-19	02-Jan-20	-175	100%	0%																
9575	POD_ST51B_FS - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	02-Dec-19	02-Jan-20	-141	100%	0%																
9584	POD_ST53B_FS - Permanent Hand Rail	6	09-Jul-19	23-Jul-19	14-Oct-19 A	07-Dec-19	-115	100%	90%																
9586	POD_ST53B_FS - All Other Finishes (DOOR) / Make Good & Clean	12	19-Jul-19	01-Aug-19	25-Nov-19 A	09-Jan-20	-133	100%	50.01%																
9580	POD_ST53B_FS - Ceiling Dust Sealer	12	06-May-19	04-Jun-19	02-Dec-19	14-Dec-19	-161	100%	0%																
9582	POD_ST53B_FS - MEP 1st fix, 2nd fix	11	20-May-19	02-Jul-19	02-Dec-19	13-Dec-19	-138	100%	0%																
9583	POD_ST53B_FS - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	02-Dec-19	02-Jan-20	-141	100%	0%																
9590	POD_ST54B_FS - MEP 1st fix, 2nd fix	10	15-Jun-1																						

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020												
										Qtr 4		Qtr 1			Qtr 2			Qtr 3				
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep		
9216	POD_ST75 - MEP 1st fix, 2nd fix	18	20-May-19	02-Jul-19	06-Dec-19	27-Dec-19	-149	100%	0%													
9218	POD_ST75 - Permanent Hand Rail	13	09-Jul-19	23-Jul-19	27-Dec-19	11-Jan-20	-143	100%	0%													
9219	POD_ST75 - Stair Nosing Tile	13	11-Jul-19	25-Jul-19	30-Dec-19	14-Jan-20	-143	100%	0%													
9220	POD_ST75 - All Other Finishes / Make Good & Clean	12	19-Jul-19	01-Aug-19	08-Jan-20	21-Jan-20	-143	100%	0%													
9224	POD_ST16 - MEP 1st fix, 2nd fix	18	05-Jun-19	18-Jul-19	14-Oct-19 A	21-Dec-19	-131	100%	40%													
9222	POD_ST16 - Ceiling Dust Sealer	26	22-May-19	21-Jun-19	02-Dec-19*	02-Jan-20	-161	100%	0%													
9225	POD_ST16 - Wall Dust Sealer	26	03-Jul-19	01-Aug-19	06-Dec-19	07-Jan-20	-131	100%	0%													
9228	POD_ST16 - All Other Finishes (DOOR) / Make Good & Clean	12	05-Aug-19	17-Aug-19	08-Jan-20	21-Jan-20	-129	100%	0%													
9232	POD_ST09 - MEP 1st fix, 2nd fix	10	20-May-19	02-Jul-19	26-Apr-19 A	12-Dec-19	-137	100%	85%													
9230	POD_ST09 - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	02-Dec-19*	02-Jan-20	-175	100%	0%													
9233	POD_ST09 - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	02-Dec-19	02-Jan-20	-141	100%	0%													
9236	POD_ST09 - All Other Finishes (DOOR) / Make Good & Clean	12	19-Jul-19	01-Aug-19	03-Jan-20	16-Jan-20	-139	100%	0%													
9240	POD_ST11 - MEP 1st fix, 2nd fix	10	20-May-19	02-Jul-19	06-May-19 A	12-Dec-19	-137	100%	87.5%													
9239	POD_ST11 - Floor Wproof Screenshot	13	13-May-19	12-Jun-19	26-Aug-19 A	16-Dec-19	-156	100%	70%													
9243	POD_ST11 - Stair Nosing Tile	13	11-Jul-19	25-Jul-19	02-Sep-19 A	16-Dec-19	-120	100%	70%													
9241	POD_ST11 - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	02-Dec-19*	02-Jan-20	-141	100%	0%													
9238	POD_ST11 - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	17-Dec-19*	17-Jan-20	-188	100%	0%													
9244	POD_ST11 - All Other Finishes (DOOR) / Make Good & Clean	12	19-Jul-19	01-Aug-19	11-Jan-20	24-Jan-20	-146	100%	0%													
9256	POD_ST10 - MEP 1st fix, 2nd fix	12	12-Jun-19	24-Jul-19	24-Jun-19 A	14-Dec-19	-120	100%	75%													
9254	POD_ST10 - Ceiling Dust Sealer	26	28-May-19	27-Jun-19	02-Dec-19*	02-Jan-20	-156	100%	0%													
9257	POD_ST10 - Wall Dust Sealer	26	09-Jul-19	07-Aug-19	02-Dec-19	02-Jan-20	-122	100%	0%													
9260	POD_ST10 - All Other Finishes (DOOR) / Make Good & Clean	12	10-Aug-19	23-Aug-19	26-Dec-19	09-Jan-20	-114	100%	0%													
9264	POD_ST03 - MEP 1st fix, 2nd fix	20	16-Apr-19	28-May-19	21-Oct-19 A	24-Dec-19	-175	100%	20%													
9265	POD_ST03 - Wall Dust Sealer	26	13-May-19	12-Jun-19	02-Dec-19	02-Jan-20	-169	100%	0%													
9263	POD_ST03 - Floor Wproof Screenshot	26	09-Apr-19	09-May-19	09-Dec-19*	09-Jan-20	-203	100%	0%													
9267	POD_ST03 - Stair Nosing Tile	13	06-Jun-19	21-Jun-19	09-Dec-19	23-Dec-19	-154	100%	0%													
9262	POD_ST03 - Ceiling Dust Sealer	26	01-Apr-19	02-May-19	16-Dec-19	16-Jan-20	-215	100%	0%													
9266	POD_ST03 - Permanent Hand Rail	13	04-Jun-19	19-Jun-19	20-Dec-19	06-Jan-20	-166	100%	0%													
9268	POD_ST03 - All Other Finishes / Make Good & Clean	12	15-Jun-19	28-Jun-19	17-Jan-20	07-Feb-20	-179	100%	0%													
9345	POD_ST12-13 - MEP 1st fix, 2nd fix	12	16-Apr-19	28-May-19	24-Jun-19 A	14-Dec-19	-167	100%	70%													
9347	POD_ST12-13 - Permanent Hand Rail	13	04-Jun-19	19-Jun-19	16-Oct-19 A	16-Dec-19	-150	100%	70%													
9346	POD_ST12-13 - Wall Dust Sealer	26	13-May-19	12-Jun-19	02-Dec-19	02-Jan-20	-169	100%	0%													
9343	POD_ST12-13 - Ceiling Dust Sealer	26	01-Apr-19	02-May-19	16-Dec-19*	16-Jan-20	-215	100%	0%													
9349	POD_ST12-13 - All Other Finishes (DOOR) / Make Good & Clean	12	15-Jun-19	28-Jun-19	10-Jan-20	23-Jan-20	-173	100%	0%													
9272	POD_ST18 - MEP 1st fix, 2nd fix	18	16-Apr-19	28-May-19	19-Aug-19 A	21-Dec-19	-173	100%	80%													
9273	POD_ST18 - Wall Dust Sealer	26	13-May-19	12-Jun-19	13-Dec-19	14-Jan-20	-179	100%	0%													
9270	POD_ST18 - Ceiling Dust Sealer	26	01-Apr-19	02-May-19	23-Dec-19	23-Jan-20	-221	100%	0%													
9276	POD_ST18 - All Other Finishes / Make Good & Clean	12	15-Jun-19	28-Jun-19	17-Jan-20	07-Feb-20	-179	100%	0%													
9356	POD_ST15 - MEP 1st fix, 2nd fix	22	20-May-19	02-Jul-19	28-May-19 A	27-Dec-19	-149	100%	75%													
9354	POD_ST15 - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	02-Dec-19*	02-Jan-20	-175	100%	0%													
9357	POD_ST15 - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	11-Dec-19	11-Jan-20	-149	100%	0%													
9360	POD_ST15 - All Other Finishes (DOOR) / Make Good & Clean	12	19-Jul-19	01-Aug-19	06-Jan-20	18-Jan-20	-141	100%	0%													
9366	POD_ST08 - MEP 1st fix, 2nd fix	20	15-Jun-19	27-Jul-19	24-Apr-19 A	24-Dec-19	-125	100%	70%													
9365	POD_ST08 - Floor Wproof Screenshot	18	08-Jun-19	09-Jul-19	15-Jul-19 A	21-Dec-19	-139	100%	66.67%													
9369	POD_ST08 - Stair Nosing Tile	20	06-Aug-19	20-Aug-19	02-Sep-19 A	24-Dec-19	-105	100%	66.73%													
9364	POD_ST08 - Ceiling Dust Sealer	26	31-May-19	02-Jul-19	03-Jan-20	10-Feb-20	-179	100%	0%													
9367	POD_ST08 - Wall Dust Sealer	26	12-Jul-19	10-Aug-19	03-Jan-20	10-Feb-20	-145	100%	0%													
9370	POD_ST08 - All Other Finishes / Make Good & Clean	12	14-Aug-19	27-Aug-19	11-Feb-20	24-Feb-20	-143	100%	0%													
9393	POD_ST02 - MEP 1st fix, 2nd fix	12	20-May-19	02-Jul-19	01-Apr-19 A	14-Dec-19	-139	100%	60%													
9392	POD_ST02 - Floor Wproof Screenshot	22	13-May-19	12-Jun-19	15-Jul-19 A	27-Dec-19	-165	100%	50%													
9395	POD_ST02 - Permanent Hand Rail	13	09-Jul-19	23-Jul-19	25-Nov-19 A	16-Dec-19	-122	100%	60.15%													
9396	POD_ST02 - Stair Nosing Tile	13	11-Jul-19	25-Jul-19	25-Nov-19 A	31-Dec-19	-132	100%	50.01%													
9391	POD_ST02 - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	28-Dec-19	05-Feb-20	-197	100%	0%													
9394	POD_ST02 - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	28-Dec-19	05-Feb-20	-163	100%	0%													
9397	POD_ST02 - All Other Finishes (DOOR) / Make Good & Clean	12	19-Jul-19	01-Aug-19	06-Feb-20	19-Feb-20	-161	100%	0%													
9401	POD_ST14 - Ceiling Dust Sealer	26	01-Apr-19	02-May-19	02-Dec-19*	02-Jan-20	-203	100%	0%													
9404	POD_ST14 - Wall Dust Sealer	26	13-May-19	12-Jun-19	02-Dec-19	02-Jan-20	-169	100%	0%													
9407	POD_ST14 - All Other Finishes (DOOR) / Make Good & Clean	12	15-Jun-19	28-Jun-19	26-Dec-19	09-Jan-20	-161	100%	0%													
9413	POD_ST04 - MEP 1st fix, 2nd fix	14	16-Apr-19	28-May-19	23-Apr-19 A	17-Dec-19	-169	100%	80%													
9417	POD_ST04 - All Other Finishes / Make Good & Clean	12	15-Jun-19	28-Jun-19	11-Dec-19	24-Dec-19	-149	100%	0%													
9421	POD_ST07 - MEP 1st fix, 2nd fix	20	20-May-19	02-Jul-19	23-Apr-19 A	24-Dec-19	-147	100%	88.7%													
9419	POD_ST07 - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	26-Dec-19	03-Feb-20	-195	100%	0%													
9422	POD_ST07 - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	26-Dec-19	03-Feb-20	-161	100%	0%													
9425	POD_ST07 - All Other Finishes / Make Good & Clean	12	19-Jul-19	01-Aug-19	20-Jan-20	10-Feb-20	-153	100%	0%													
9430	POD_ST06 - MEP 1st fix, 2nd fix	18	16-Apr-19	28-May-19	29-Apr-19 A	21-Dec-19	-173	100%	70%													
9428	POD_ST06 - Ceiling Dust Sealer	26	01-Apr-19	02-May-19	02-Dec-19*	02-Jan-20	-203	100%	0%													
9431	POD_ST06 - Wall Dust Sealer	26	13-May-19	12-Jun-19	06-Dec-19	07-Jan-20	-173	100%	0%													
9434	POD_ST06 - All Other Finishes (DOOR) / Make Good & Clean	12	15-Jun-19	28-Jun-19	31-Dec-19	14-Jan-20	-165	100%	0%													
9438	POD_ST17 - MEP 1st fix, 2nd fix	20	20-May-19	02-Jul-19	19-Jun-19 A	24-Dec-19	-147	100%	80%													
9439	POD_ST17 - Wall Dust Sealer	26	15-Jun-19	16-Jul-19	09-Dec-19	09-Jan-20	-147	100%	0%													
9436	POD_ST17 - Ceiling Dust Sealer	26	06-May-19	04-Jun-19	20-Dec-19*	21-Jan-20	-191	100%	0%													
9442	POD_ST17 - All Other Finishes (DOOR) / Make Good & Clean	12	19-Jul-19	01-Aug-19	15-Jan-20	05-Feb-20	-149	100%	0%													
9444	POD_ST76 - Ceiling Dust Sealer	12	01-Apr-19	02-May-19	02-Dec-19*	14-Dec-19	-189	100%	0%													
9445	POD_ST76 - Floor Wproof Screenshot	26	09-Apr-19	09-May-19	09-Dec-19	09-Jan-20	-203	100%	0%													
9446	POD_ST76 - MEP 1st fix, 2nd fix	12	16-Apr-19	28-May-19	09-Dec-19	21-Dec-19	-173	100%	0%													
9447	POD_ST76 - Wall Dust Sealer	26	13-May-19	12-Jun-19	23-Dec-19	23-Jan-20																

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020														
										Qtr 4		Qtr 1			Qtr 2			Qtr 3						
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
3442	TW_L6_Z03_Toilet - Ceiling Rods/ Grids	9	06-Jul-19	10-Jul-19	11-Nov-19 A	11-Dec-19	-129	100%	15%															
3447	TW_L6_Z03_Toilet - Door Frame	2	20-Jun-19	21-Jun-19	02-Dec-19	03-Dec-19	-137	100%	0%															
3443	TW_L6_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	5	01-Aug-19	07-Aug-19	12-Dec-19	17-Dec-19	-110	100%	0%															
3477	TW_L6_Z03_Toilet - Ceiling Finishes (painting)	4	08-Aug-19	12-Aug-19	12-Dec-19	19-Dec-19	-108	100%	0%															
3441	TW_L6_Z03_Toilet - All Other Finishes / Make Good & Clean	12	05-Nov-19	18-Nov-19	22-Jan-20	12-Feb-20	-65	100%	0%															
3440	TW_L6_Z03_Toilet - Door / Ironmong	2	09-Nov-19	11-Nov-19	04-Feb-20	05-Feb-20	-65	100%	0%															
Level 7																								
ABWF & MEP Works																								
Raised Floor Area (Offices, Concourse, Lobbies) - TW_L7_Z01																								
3370	TW_L7_Z01_RF.Area - MEP 1st fix - Part 2	6	26-Feb-19	23-Apr-19	01-Apr-19 A	07-Dec-19	-190	100%	96%															
3371	TW_L7_Z01_RF.Area - MEP 2nd fix	12	24-Jun-19	15-Jul-19	15-Apr-19 A	14-Dec-19	-128	100%	97%															
3373	TW_L7_Z01_RF.Area - MEP final fix (excl. offices)	18	18-Jul-19	31-Jul-19	12-Aug-19 A	21-Dec-19	-120	100%	60%															
3426	TW_L7_Z01_RF.Area - Close ceiling (Open Cell Metal) w/ In-situ Cut-Out (excl. office)	8	16-Jul-19	24-Jul-19	23-Dec-19	02-Jan-20	-134	100%	0%															
3396	TW_L7_Z01_RF.Area - Final floor finishes (timber flooring)	20	05-Sep-19	28-Sep-19	25-May-20	16-Jun-20	-211	100%	0%															
3419	TW_L7_Z01_RF.Area - Bamboo Capping	6	30-Sep-19	08-Oct-19	17-Jun-20	23-Jun-20	-211	100%	0%															
3397	TW_L7_Z01_RF.Offices - Glass Partition & Doors/Ironmong	18	27-Sep-19	08-Oct-19	08-Jul-19 A	21-Dec-19	-64	100%	38%															
3395	TW_L7_Z01_RF.Offices - MEP 2nd & final Fix (offices)	18	23-Aug-19	11-Sep-19	12-Aug-19 A	21-Dec-19	-84	100%	20%															
3400	TW_L7_Z01_RF.Offices - Wall Painting	18	13-Sep-19	19-Sep-19	09-Sep-19 A	21-Dec-19	-78	100%	50%															
3394	TW_L7_Z01_RF.Offices - Close ceiling (Open Cell Metal) incl. Cut-Outs	15	14-Aug-19	30-Aug-19	19-Dec-19	07-Jan-20	-106	100%	0%															
4250	TW_L7_Z01_RF.Offices - Fixed Furniture	6	02-Oct-19	09-Oct-19	17-Jun-20	23-Jun-20	-210	100%	0%															
3401	TW_L7_Z01_RF.Area - All Other Finishes / Make Good & Clean	12	02-Oct-19	16-Oct-19	17-Jun-20	02-Jul-20	-210	100%	0%															
11549	TW_L7_Z01_RE.Area - Sprinkler baffle plates and left out/ temp. panel fixing	6			02-Dec-19*	07-Dec-19		0%	0%															
BoH Plant Rooms, Corridors & Lift Lobbies - TW_L7_Z02																								
3408	TW_L7_Z02_BoH - MEP 2nd fix	10	02-Aug-19	22-Aug-19	01-Apr-19 A	12-Dec-19	-93	100%	97%															
3418	TW_L7_Z02_BoH - Dry Wall Frame & Board (one side)	5	23-Apr-19	02-May-19	13-May-19 A	06-Dec-19	-182	100%	95%															
3427	TW_L7_Z02_BoH - Close Dry Wall	10	17-May-19	23-May-19	23-May-19	08-Jul-19 A	12-Dec-19	-169	100%	75%														
3423	TW_L7_Z02_BoH - Dry Wall MEP Services/Conduits	7	03-May-19	16-May-19	15-Jul-19 A	09-Dec-19	-172	100%	95%															
3424	TW_L7_Z02_BoH - MEP final fix	17	10-Sep-19	17-Sep-19	12-Aug-19 A	20-Dec-19	-79	100%	70%															
3409	TW_L7_Z02_BoH - Door Frame & Plastering of Perimeter Edges	12	02-Aug-19	10-Aug-19	02-Sep-19 A	14-Dec-19	-105	100%	66.66%															
3407	TW_L7_Z02_BoH - Seal Wall Opening	12	02-Aug-19	08-Aug-19	09-Sep-19 A	14-Dec-19	-107	100%	80%															
3404	TW_L7_Z02_BoH - Misc Metal Works / Access Panels	18	23-Aug-19	29-Aug-19	01-Oct-19 A	21-Dec-19	-95	100%	88%															
3422	TW_L7_Z02_BoH - Wall Epoxy/Emulsion Paint	8	23-Aug-19	09-Sep-19	02-Oct-19 A	17-Dec-19	-82	100%	25%															
3402	TW_L7_Z02_BoH - Door / Ironmong / Hose Reel Cabs	18	23-Aug-19	03-Sep-19	21-Oct-19 A	21-Dec-19	-91	100%	20%															
3403	TW_L7_Z02_BoH - All Other Finishes / Make Good & Clean	12	12-Sep-19	26-Sep-19	17-Dec-19	31-Dec-19	-79	100%	0%															
3420	TW_L7_Z02_BoH - Floor sealer	2	18-Sep-19	19-Sep-19	21-Dec-19	23-Dec-19	-79	100%	0%															
Toilets - TW_L7_Z03																								
3385	TW_L7_Z03_Toilet - MEP 2nd fix	12	04-Jul-19	24-Jul-19	02-May-19 A	14-Dec-19	-120	100%	92%															
3415	TW_L7_Z03_Toilet - Dry Wall Closing Board	0	24-May-19	28-May-19	15-Jul-19 A	02-Dec-19	-155	100%	90%															
3384	TW_L7_Z03_Toilet - Seal Wall Opening	11	18-Jan-19	21-Jan-19	09-Sep-19 A	13-Dec-19	-267	100%	90%															
3387	TW_L7_Z03_Toilet - MEP final fix	22	06-Aug-19	12-Aug-19	16-Sep-19 A	28-Dec-19	-115	100%	40%															
3391	TW_L7_Z03_Toilet - Sanitary ware & fittings	57	07-Nov-19	13-Nov-19	23-Sep-19 A	15-Feb-20	-72	100%	10%															
3378	TW_L7_Z03_Toilet - Dry Wall Frame & Board - DR63 (external)	12	15-Jun-19	28-Jun-19	01-Oct-19 A	14-Dec-19	-141	100%	30%															
8777	TW_L7_Z03_Toilet - Conc fir curing, polishing & install protection	28	02-Sep-19	16-Oct-19	06-Nov-19 A	06-Jan-20	-68	100%	90%															
3381	TW_L7_Z03_Toilet - Ceiling Rods/ Grids	14	28-Jun-19	03-Jul-19	18-Nov-19 A	17-Dec-19	-140	100%	15%															
3386	TW_L7_Z03_Toilet - Door Frame	2	13-Jun-19	14-Jun-19	02-Dec-19	03-Dec-19	-143	100%	0%															
3416	TW_L7_Z03_Toilet - Ceiling Finishes (painting)	4	01-Aug-19	05-Aug-19	17-Dec-19	20-Dec-19	-115	100%	0%															
3382	TW_L7_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	3	25-Jul-19	31-Jul-19	18-Dec-19	20-Dec-19	-119	100%	0%															
3390	TW_L7_Z03_Toilet - Wall finishes (tiling)	14	22-Oct-19	06-Nov-19	07-Jan-20	22-Jan-20	-64	100%	0%															
3380	TW_L7_Z03_Toilet - All Other Finishes / Make Good & Clean	12	09-Nov-19	22-Nov-19	12-Feb-20	25-Feb-20	-72	100%	0%															
3379	TW_L7_Z03_Toilet - Door / Ironmong	2	14-Nov-19	15-Nov-19	17-Feb-20	18-Feb-20	-72	100%	0%															
Level 8																								
ABWF & MEP Works																								
Raised Floor Area (Offices, Concourse, Lobbies) - TW_L8_Z01																								
6417	TW_L8_Z01_RF.Area - MEP 1st fix	6	26-Feb-19	23-Apr-19	01-Apr-19 A	07-Dec-19	-190	100%	95%															
6428	TW_L8_Z01_RF.Area - MEP 2nd fix	12	24-Jun-19	15-Jul-19	15-Apr-19 A	14-Dec-19	-128	100%	88%															
6450	TW_L8_Z01_RF.Area - MEP final fix (excl. offices)	18	26-Jul-19	08-Aug-19	14-Oct-19 A	21-Dec-19	-113	100%	40%															
3365	TW_L8_Z01_RF.Area - Close ceiling (Open Cell Metal) w/ In-situ Cut-Out (excl. office)	15	16-Jul-19	01-Aug-19	23-Dec-19	10-Jan-20	-134	100%	0%															
3335	TW_L8_Z01_RF.Area - Final floor finishes (timber flooring)	22	13-Sep-19	11-Oct-19	25-May-20	18-Jun-20	-204	100%	0%															
3358	TW_L8_Z01_RF.Area - Bamboo Capping	6	12-Oct-19	18-Oct-19	19-Jun-20	26-Jun-20	-204	100%	0%															
3336	TW_L8_Z01_RF.Offices - Glass Partition & Doors/Ironmong	9	10-Oct-19	18-Oct-19	01-Jul-19 A	11-Dec-19	-46	100%	38%															
3339	TW_L8_Z01_RF.Offices - Wall Painting	18	06-Sep-19	11-Sep-19	02-Oct-19 A	21-Dec-19	-84	100%	25%															
3334	TW_L8_Z01_RF.Offices - MEP 2nd & final fix (offices)	18	06-Sep-19	20-Sep-19	14-Oct-19 A	21-Dec-19	-77	100%	20%															
3333	TW_L8_Z01_RF.Offices - Close ceiling (Open Cell Metal) incl. Cut-Outs	10	13-Aug-19	23-Aug-19	26-Dec-19	07-Jan-20	-112	100%	0%															
6461	TW_L8_Z01_RF.Offices - Movable Partition	6	09-Oct-19	15-Oct-19	16-Jun-20	22-Jun-20	-204	100%	0%															
4251	TW_L8_Z01_RF.Offices - Fixed Furniture	6	14-Oct-19	19-Oct-19	22-Jun-20	29-Jun-20	-205	100%	0%															
3340	TW_L8_Z01_RF.Area - All Other Finishes / Make Good & Clean	12	14-Oct-19	26-Oct-19	22-Jun-20	07-Jul-20	-205	100%	0%															
11550	TW_L8_Z01_RE.Area - Sprinkler baffle plates and left out/ temp. panel fixing	6			02-Dec-19*	07-Dec-19		0%	0%															
BoH Plant Rooms, Corridors & Lift Lobbies - TW_L8_Z02																								
3345	TW_L8_Z02_BoH - MEP 1st fix	6	26-Feb-19	01-Apr-19	18-Mar-19 A	07-Dec-19	-208	100%	95%															
3347	TW_L8_Z02_BoH - MEP 2nd fix	13	27-Jun-19	18-Jul-19	01-Apr-19 A	16-Dec-19	-126	100%	94%															
3357	TW_L8_Z02_BoH - Dry Wall Frame & Board (one side)	8	10-May-19	18-May-19	02-Sep-19 A	10-Dec-19	-171	100%	85%															
3346	TW_L8_Z02_BoH - Seal Wall Opening	12	02-Apr-19	09-Apr-19	09-Sep-19 A	14-Dec-19	-208	100%	65%															
3348	TW_L8_Z02_BoH - Door Frame & Plastering of Perimeter Edges	12	02-Apr-19	11-Apr-19	09-Sep-19 A	14-Dec-19	-206	100%	57.14%															
3361	TW_L8_Z02_BoH - Wall Epoxy/Emulsion Paint	16	19-Jul-19	05-Aug-19	09-Sep-19 A																			

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020														
										Qtr 4		Qtr 1			Qtr 2			Qtr 3						
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
3569	TW_L12_Z02_BoH - Close Dry Wall	12	14-Aug-19	20-Aug-19	25-Sep-19 A	14-Dec-19	-97	100%	42.07%															
3554	TW_L12_Z02_BoH - Misc Metal Works / Access Panels	21	21-Aug-19	27-Aug-19	14-Oct-19 A	26-Dec-19	-100	100%	57%															
3561	TW_L12_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	6	16-Apr-19	22-Apr-19	09-Dec-19	14-Dec-19	-197	100%	0%															
3557	TW_L12_Z02_BoH - Seal Wall Opening	3	16-Apr-19	22-Apr-19	12-Dec-19	14-Dec-19	-197	100%	0%															
3552	TW_L12_Z02_BoH - Door / Ironmong / Hose Reel Cabs	10	21-Aug-19	31-Aug-19	23-Dec-19	04-Jan-20	-103	100%	0%															
3562	TW_L12_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	10	21-Aug-19	31-Aug-19	23-Dec-19	04-Jan-20	-103	100%	0%															
3566	TW_L12_Z02_BoH - Wall Epoxy/Emulsion Paint	8	21-Aug-19	29-Aug-19	23-Dec-19	02-Jan-20	-103	100%	0%															
3568	TW_L12_Z02_BoH - MEP final fix	6	30-Aug-19	05-Sep-19	30-Dec-19	06-Jan-20	-100	100%	0%															
3553	TW_L12_Z02_BoH - All Other Finishes / Make Good & Clean	12	02-Sep-19	16-Sep-19	02-Jan-20	15-Jan-20	-100	100%	0%															
3564	TW_L12_Z02_BoH - Floor sealer	2	06-Sep-19	07-Sep-19	07-Jan-20	08-Jan-20	-100	100%	0%															
Toilets - TW_L12_Z03																								
3651	TW_L12_Z03_Toilet - MEP 1st fix Ceiling	9	07-May-19	03-Jun-19	02-May-19 A	11-Dec-19	-159	100%	26%															
3638	TW_L12_Z03_Toilet - Seal Wall Opening	11	04-Mar-19	06-Mar-19	16-Sep-19 A	13-Dec-19	-235	100%	20%															
3647	TW_L12_Z03_Toilet - Dry Wall Frame & One Side Board	7	23-Apr-19	30-Apr-19	09-Dec-19	09-Dec-19	-185	100%	90%															
3637	TW_L12_Z03_Toilet - MEP 1st fix Dry Wall	13	02-May-19	15-May-19	04-Nov-19 A	16-Dec-19	-179	100%	20%															
3639	TW_L12_Z03_Toilet - MEP 2nd fix	16	25-Jun-19	16-Jul-19	11-Nov-19 A	19-Dec-19	-131	100%	10%															
8782	TW_L12_Z03_Toilet - Conc fir curing, polishing & install protection	36	30-Sep-19	12-Nov-19	11-Nov-19 A	14-Jan-20	-52	100%	90%															
3632	TW_L12_Z03_Toilet - Dry Wall Frame & Board - DR63 (external)	12	06-Jun-19	20-Jun-19	10-Dec-19	23-Dec-19	-155	100%	0%															
3635	TW_L12_Z03_Toilet - Ceiling Rods/ Grids	4	20-Jun-19	24-Jun-19	12-Dec-19	16-Dec-19	-146	100%	0%															
3640	TW_L12_Z03_Toilet - Door Frame	2	04-Jun-19	05-Jun-19	12-Dec-19	13-Dec-19	-159	100%	0%															
3636	TW_L12_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	6	17-Jul-19	23-Jul-19	18-Dec-19	24-Dec-19	-129	100%	0%															
3649	TW_L12_Z03_Toilet - Dry Wall Closing Board	5	16-May-19	21-May-19	18-Dec-19	23-Dec-19	-180	100%	0%															
3650	TW_L12_Z03_Toilet - Ceiling Finishes (painting)	4	24-Jul-19	27-Jul-19	26-Dec-19	30-Dec-19	-129	100%	0%															
3641	TW_L12_Z03_Toilet - MEP final fix	6	29-Jul-19	03-Aug-19	31-Dec-19	07-Jan-20	-129	100%	0%															
3644	TW_L12_Z03_Toilet - Wall finishes (tiling)	12	13-Nov-19	26-Nov-19	08-Jan-20	21-Jan-20	-46	100%	0%															
3634	TW_L12_Z03_Toilet - All Other Finishes / Make Good & Clean	12	29-Nov-19	12-Dec-19	18-Jan-20	08-Feb-20	-41	16.67%	0%															
3645	TW_L12_Z03_Toilet - Sanitary ware & fittings	6	27-Nov-19	03-Dec-19	22-Jan-20	05-Feb-20	-46	66.67%	0%															
3633	TW_L12_Z03_Toilet - Door / Ironmong	2	04-Dec-19	05-Dec-19	04-Feb-20	05-Feb-20	-44	0%	0%															
Level 13																								
ABWF & MEP Works																								
FoH Areas (Offices, Concourse & Lobbies) - TW_L13_Z01																								
3780	TW_L13_Z01_FoH - MEP 1st fix	9	26-Feb-19	23-Apr-19	02-May-19 A	11-Dec-19	-193	100%	84%															
3785	TW_L13_Z01_FoH - MEP 2nd fix	15	24-Apr-19	15-May-19	15-Jul-19 A	18-Dec-19	-181	100%	36%															
3778	TW_L13_Z01_FoH - Ceiling Sealer	6	08-Dec-18	14-Dec-18	02-Dec-19*	07-Dec-19	-292	100%	0%															
3786	TW_L13_Z01_FoH - MEP final fix	12	14-Aug-19	27-Aug-19	19-Dec-19	03-Jan-20	-106	100%	0%															
3788	TW_L13_Z01_FoH - Wall finishes (painting or sealer)	5	21-Aug-19	26-Aug-19	19-Dec-19	24-Dec-19	-100	100%	0%															
3790	TW_L13_Z01_FoH - All Other Finishes / Make Good & Clean	12	26-Aug-19	09-Sep-19	27-Feb-20	11-Mar-20	-147	100%	0%															
BoH Plant Rooms, Corridors & Lift Lobbies - TW_L13_Z02																								
3575	TW_L13_Z02_BoH - MEP 1st fix	7	13-Apr-19	18-May-19	06-May-19 A	09-Dec-19	-170	100%	69%															
3582	TW_L13_Z02_BoH - Dry Wall Frame & Board (one side)	7	29-Jul-19	02-Aug-19	06-May-19 A	09-Dec-19	-107	100%	70%															
3574	TW_L13_Z02_BoH - Wall & Ceiling Sealer	5	06-Apr-19	11-Apr-19	12-Aug-19 A	06-Dec-19	-199	100%	5%															
3584	TW_L13_Z02_BoH - Wall Plastering/ Plendering	16	29-Mar-19	15-Apr-19	15-Aug-19 A	19-Dec-19	-207	100%	5%															
3577	TW_L13_Z02_BoH - MEP 2nd fix	19	03-Aug-19	23-Aug-19	19-Aug-19 A	23-Dec-19	-101	100%	29%															
3578	TW_L13_Z02_BoH - Door Frame & Plastering of Perimeter Edges	13	20-May-19	28-May-19	16-Sep-19 A	16-Dec-19	-168	100%	13.33%															
3586	TW_L13_Z02_BoH - Dry Wall MEP Services/Conduits MEP 1st fix	13	03-Aug-19	16-Aug-19	23-Sep-19 A	16-Dec-19	-101	100%	20.11%															
3573	TW_L13_Z02_BoH - Misc Metal Works / Access Panels	22	24-Aug-19	30-Aug-19	14-Oct-19 A	27-Dec-19	-98	100%	36%															
3571	TW_L13_Z02_BoH - Door / Ironmong / Hose Reel Cabs	22	24-Aug-19	04-Sep-19	18-Nov-19 A	27-Dec-19	-94	100%	33.33%															
3576	TW_L13_Z02_BoH - Seal Wall Opening	6	20-May-19	25-May-19	10-Dec-19	16-Dec-19	-170	100%	0%															
3580	TW_L13_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	6	20-May-19	25-May-19	10-Dec-19	16-Dec-19	-170	100%	0%															
3588	TW_L13_Z02_BoH - Close Dry Wall	3	17-Aug-19	20-Aug-19	17-Dec-19	19-Dec-19	-101	100%	0%															
3585	TW_L13_Z02_BoH - Wall Epoxy/Emulsion Paint	12	24-Aug-19	10-Sep-19	20-Dec-19	04-Jan-20	-95	100%	0%															
3581	TW_L13_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	10	24-Aug-19	04-Sep-19	24-Dec-19	06-Jan-20	-101	100%	0%															
3587	TW_L13_Z02_BoH - MEP final fix	6	11-Sep-19	18-Sep-19	02-Jan-20	08-Jan-20	-92	100%	0%															
3572	TW_L13_Z02_BoH - All Other Finishes / Make Good & Clean	12	13-Sep-19	27-Sep-19	04-Jan-20	17-Jan-20	-92	100%	0%															
3583	TW_L13_Z02_BoH - Floor sealer	2	19-Sep-19	20-Sep-19	09-Jan-20	10-Jan-20	-92	100%	0%															
Toilets (FoH & BoH) - TW_L13_Z03																								
3671	TW_L13_Z03_Toilet - MEP 1st fix Ceiling	13	21-May-19	18-Jun-19	02-May-19 A	16-Dec-19	-151	100%	23%															
3667	TW_L13_Z03_Toilet - Dry Wall Frame & One Side Board	10	02-May-19	14-May-19	01-Oct-19 A	12-Dec-19	-177	100%	70%															
3658	TW_L13_Z03_Toilet - Seal Wall Opening	15	09-Apr-19	11-Apr-19	14-Oct-19 A	18-Dec-19	-209	100%	60%															
3657	TW_L13_Z03_Toilet - MEP 1st fix Dry Wall	16	15-May-19	28-May-19	04-Nov-19 A	19-Dec-19	-171	100%	20%															
3668	TW_L13_Z03_Toilet - MEP 1st fix Block Wall	8	29-Mar-19	08-Apr-19	04-Nov-19 A	10-Dec-19	-205	100%	20%															
3659	TW_L13_Z03_Toilet - MEP 2nd fix	19	10-Jul-19	30-Jul-19	11-Nov-19 A	23-Dec-19	-122	100%	10%															
3660	TW_L13_Z03_Toilet - Door Frame	2	19-Jun-19	20-Jun-19	17-Dec-19	18-Dec-19	-151	100%	0%															
3669	TW_L13_Z03_Toilet - Dry Wall Closing Board	8	29-May-19	06-Jun-19	20-Dec-19	30-Dec-19	-171	100%	0%															
3661	TW_L13_Z03_Toilet - MEP final fix	6	10-Aug-19	16-Aug-19	24-Dec-19	31-Dec-19	-113	100%	0%															
3665	TW_L13_Z03_Toilet - Sanitary ware & fittings	8	04-Dec-19	12-Dec-19	31-Dec-19	09-Jan-20	-22	0%	0%															
3654	TW_L13_Z03_Toilet - All Other Finishes / Make Good & Clean	12	09-Dec-19	21-Dec-19	06-Jan-20	18-Jan-20	-22	0%	0%															
3653	TW_L13_Z03_Toilet - Door / Ironmong	2	13-Dec-19	14-Dec-19	10-Jan-20	11-Jan-20	-22	0%	0%															
BoH Kitchen - TW_L13_Z04																								
3631	TW_L13_Z04_Kitchen - MEP 1st fix	9	01-Apr-19	15-Apr-19	02-May-19 A	11-Dec-19	-200	100%	24%															
3832	TW_L13_Z04_Kitchen - Wall & Floor Tiles	21	04-May-19	16-May-19	04-Nov-19 A	26-Dec-19	-187	100%	50%															
3765	TW_L13_Z04_Kitchen - MEP 2nd fix	12	18-Apr-19	25-Apr-19	11-Nov-19 A	14-Dec-19	-195	100%	10%															
3831	TW_L13_Z04_Kitchen - Ceiling Paint																							

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020											
										Qtr 4		Qtr 1			Qtr 2			Qtr 3			
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
3613	TW_L15_Z02_BoH - MEP 1st fix	8	13-Apr-19	18-May-19	06-May-19 A	10-Dec-19	-171	100%	69%												
3620	TW_L15_Z02_BoH - Dry Wall Frame & Board (one side)	7	23-May-19	29-May-19	06-May-19 A	09-Dec-19	-162	100%	47.67%												
3615	TW_L15_Z02_BoH - MEP 2nd fix	19	29-May-19	20-Jun-19	22-Jul-19 A	23-Dec-19	-156	100%	25%												
3612	TW_L15_Z02_BoH - Wall & Ceiling Sealer	5	06-Apr-19	11-Apr-19	12-Aug-19 A	06-Dec-19	-199	100%	5%												
3616	TW_L15_Z02_BoH - Door Frame & Plastering of Perimeter Edges	11	20-May-19	28-May-19	23-Sep-19 A	14-Dec-19	-167	100%	40%												
3624	TW_L15_Z02_BoH - Dry Wall MEP Services/Conduits MEP 1st fix	13	29-May-19	13-Jun-19	23-Sep-19 A	16-Dec-19	-156	100%	20%												
3611	TW_L15_Z02_BoH - Misc Metal Works / Access Panels	22	20-Jun-19	27-Jun-19	14-Oct-19 A	27-Dec-19	-153	100%	31%												
3609	TW_L15_Z02_BoH - Door / Ironmong / Hose Reel Cabs	22	20-Jun-19	03-Jul-19	20-Nov-19 A	27-Dec-19	-149	100%	33.33%												
3622	TW_L15_Z02_BoH - Wall Plastering / Plendering	14	29-Mar-19	15-Apr-19	15-Apr-19*	17-Dec-19	-205	100%	0%												
3618	TW_L15_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	6	23-May-19	30-May-19	07-Dec-19	13-Dec-19	-165	100%	0%												
3614	TW_L15_Z02_BoH - Seal Wall Opening	6	20-May-19	25-May-19	11-Dec-19	17-Dec-19	-171	100%	0%												
3623	TW_L15_Z02_BoH - Wall Epoxy/Emulsion Paint	10	20-Jun-19	09-Jul-19	16-Dec-19	27-Dec-19	-144	100%	0%												
3626	TW_L15_Z02_BoH - Close Dry Wall	3	13-Jun-19	17-Jun-19	17-Dec-19	19-Dec-19	-156	100%	0%												
3619	TW_L15_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	10	20-Jun-19	03-Jul-19	24-Dec-19	06-Jan-20	-156	100%	0%												
3625	TW_L15_Z02_BoH - MEP final fix	6	09-Jul-19	16-Jul-19	28-Dec-19	04-Jan-20	-144	100%	0%												
3610	TW_L15_Z02_BoH - All Other Finishes / Make Good & Clean	12	11-Jul-19	25-Jul-19	31-Dec-19	14-Jan-20	-144	100%	0%												
3621	TW_L15_Z02_BoH - Floor sealer	2	16-Jul-19	18-Jul-19	06-Jan-20	07-Jan-20	-144	100%	0%												
Toilets (FoH & BoH) - TW_L15_Z03																					
3711	TW_L15_Z03_Toilet - MEP 1st fix Ceiling	11	11-Jun-19	10-Jul-19	13-May-19 A	13-Dec-19	-132	100%	42%												
3707	TW_L15_Z03_Toilet - Dry Wall Frame & One Side Board	8	23-May-19	05-Jun-19	16-Sep-19 A	10-Dec-19	-157	100%	98%												
3698	TW_L15_Z03_Toilet - Seal Wall Opening	13	06-Apr-19	09-Apr-19	14-Oct-19 A	16-Dec-19	-209	100%	90%												
3697	TW_L15_Z03_Toilet - MEP 1st fix Dry Wall	11	05-Jun-19	20-Jun-19	04-Nov-19 A	13-Dec-19	-148	100%	20%												
3708	TW_L15_Z03_Toilet - MEP 1st fix Block Wall	8	27-Mar-19	04-Apr-19	04-Nov-19 A	10-Dec-19	-207	100%	20%												
3699	TW_L15_Z03_Toilet - MEP 2nd fix	14	30-Jul-19	20-Aug-19	11-Nov-19 A	19-Dec-19	-102	100%	10%												
3700	TW_L15_Z03_Toilet - Door Frame	2	10-Jul-19	12-Jul-19	14-Dec-19	16-Dec-19	-132	100%	0%												
3709	TW_L15_Z03_Toilet - Dry Wall Closing Board	8	20-Jun-19	29-Jun-19	14-Dec-19	23-Dec-19	-148	100%	0%												
3701	TW_L15_Z03_Toilet - MEP final fix	6	02-Sep-19	09-Sep-19	20-Dec-19	27-Dec-19	-91	100%	0%												
3705	TW_L15_Z03_Toilet - Sanitary ware & fittings	8	14-Nov-19	23-Nov-19	28-Dec-19	07-Jan-20	-37	100%	0%												
3694	TW_L15_Z03_Toilet - All Other Finishes / Make Good & Clean	12	19-Nov-19	03-Dec-19	03-Jan-20	16-Jan-20	-37	87.96%	0%												
3693	TW_L15_Z03_Toilet - Door / Ironmong	2	23-Nov-19	26-Nov-19	08-Jan-20	09-Jan-20	-37	100%	0%												
BoH Kitchen - TW_L15_Z04																					
4149	TW_L15_Z04_Kitchen - MEP 1st fix	9	06-Apr-19	19-Apr-19	02-May-19 A	11-Dec-19	-196	100%	34%												
4151	TW_L15_Z04_Kitchen - MEP 2nd fix	3	28-May-19	04-Jun-19	11-Nov-19 A	14-Dec-19	-162	100%	10%												
4153	TW_L15_Z04_Kitchen - Wall & Floor Tiles	19	19-Jun-19	12-Jul-19	11-Nov-19 A	23-Dec-19	-138	100%	58%												
4155	TW_L15_Z04_Kitchen - Ceiling Paint	6	12-Jul-19	19-Jul-19	24-Dec-19	31-Dec-19	-138	100%	0%												
4154	TW_L15_Z04_Kitchen - MEP final fix	3	12-Jul-19	16-Jul-19	02-Jan-20	04-Jan-20	-144	100%	0%												
4156	TW_L15_Z04_Kitchen - All Other Finishes (DOOR) / Make Good & Clean	6	16-Jul-19	23-Jul-19	06-Jan-20	11-Jan-20	-144	100%	0%												
Level 16																					
ABWF & MEP Works																					
FoH Areas (Offices, Concourse & Lobbies) - TW_L16_Z01																					
3819	TW_L16_Z01_FoH - MEP 1st fix	12	26-Feb-19	23-Apr-19	02-May-19 A	14-Dec-19	-196	100%	71%												
3824	TW_L16_Z01_FoH - MEP 2nd fix	24	24-Apr-19	15-May-19	19-Aug-19 A	30-Dec-19	-190	100%	22%												
3817	TW_L16_Z01_FoH - Ceiling Sealer	6	08-Dec-18	14-Dec-18	02-Dec-19*	07-Dec-19	-292	100%	0%												
3827	TW_L16_Z01_FoH - Wall finishes (painting or sealer)	5	15-Jun-19	21-Jun-19	31-Dec-19	06-Jan-20	-165	100%	0%												
3825	TW_L16_Z01_FoH - MEP final fix	12	05-Jul-19	18-Jul-19	07-Jan-20	20-Jan-20	-154	100%	0%												
3829	TW_L16_Z01_FoH - All Other Finishes / Make Good & Clean	12	17-Jul-19	31-Jul-19	27-Feb-20	11-Mar-20	-181	100%	0%												
BoH Plant Rooms, Corridors & Lift Lobbies - TW_L16_Z02																					
3737	TW_L16_Z02_BoH - MEP 1st fix	8	28-May-19	03-Jul-19	06-May-19 A	10-Dec-19	-134	100%	72%												
3744	TW_L16_Z02_BoH - Dry Wall Frame & Board (one side)	11	23-May-19	29-May-19	06-May-19 A	13-Dec-19	-166	100%	41.03%												
3739	TW_L16_Z02_BoH - MEP 2nd fix	17	04-Jul-19	24-Jul-19	22-Jul-19 A	20-Dec-19	-125	100%	26%												
3740	TW_L16_Z02_BoH - Door Frame & Plastering of Perimeter Edges	11	04-Jul-19	12-Jul-19	23-Sep-19 A	13-Dec-19	-129	100%	62%												
3748	TW_L16_Z02_BoH - Dry Wall MEP Services/Conduits MEP 1st fix	14	29-May-19	13-Jun-19	23-Sep-19 A	17-Dec-19	-157	100%	20%												
3735	TW_L16_Z02_BoH - Misc Metal Works / Access Panels	22	25-Jul-19	31-Jul-19	14-Oct-19 A	27-Dec-19	-124	100%	32%												
3733	TW_L16_Z02_BoH - Door / Ironmong / Hose Reel Cabs	10	25-Jul-19	05-Aug-19	20-Nov-19 A	24-Dec-19	-118	100%	33.33%												
3736	TW_L16_Z02_BoH - Wall & Ceiling Sealer	5	21-May-19	25-May-19	02-Dec-19*	06-Dec-19	-162	100%	0%												
3746	TW_L16_Z02_BoH - Wall Plastering / Plendering	14	14-May-19	29-May-19	02-Dec-19*	17-Dec-19	-168	100%	0%												
3742	TW_L16_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	6	04-Jul-19	10-Jul-19	07-Dec-19	13-Dec-19	-131	100%	0%												
3738	TW_L16_Z02_BoH - Seal Wall Opening	6	04-Jul-19	10-Jul-19	11-Dec-19	17-Dec-19	-134	100%	0%												
3747	TW_L16_Z02_BoH - Wall Epoxy/Emulsion Paint	12	25-Jul-19	10-Aug-19	14-Dec-19	28-Dec-19	-116	100%	0%												
3750	TW_L16_Z02_BoH - Close Dry Wall	3	13-Jun-19	17-Jun-19	18-Dec-19	20-Dec-19	-157	100%	0%												
3743	TW_L16_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	10	25-Jul-19	05-Aug-19	21-Dec-19	03-Jan-20	-125	100%	0%												
3749	TW_L16_Z02_BoH - MEP final fix	6	12-Aug-19	17-Aug-19	26-Dec-19	02-Jan-20	-113	100%	0%												
3734	TW_L16_Z02_BoH - All Other Finishes / Make Good & Clean	12	14-Aug-19	27-Aug-19	28-Dec-19	11-Jan-20	-113	100%	0%												
3745	TW_L16_Z02_BoH - Floor sealer	2	19-Aug-19	20-Aug-19	03-Jan-20	04-Jan-20	-113	100%	0%												
Toilets (FoH & BoH) - TW_L16_Z03																					
3731	TW_L16_Z03_Toilet - MEP 1st fix Ceiling	11	11-Jun-19	03-Jul-19	02-May-19 A	13-Dec-19	-138	100%	21%												
3727	TW_L16_Z03_Toilet - Dry Wall Frame & One Side Board	8	23-May-19	05-Jun-19	16-Sep-19 A	10-Dec-19	-157	100%	80%												
3718	TW_L16_Z03_Toilet - Seal Wall Opening	13	21-May-19	23-May-19	14-Oct-19 A	16-Dec-19	-172	100%	70%												
3717	TW_L16_Z03_Toilet - MEP 1st fix Dry Wall	11	05-Jun-19	20-Jun-19	04-Nov-19 A	13-Dec-19	-148	100%	20%												
3728	TW_L16_Z03_Toilet - MEP 1st fix Block Wall	8	11-May-19	20-May-19	04-Nov-19 A	10-Dec-19	-170	100%	20%												
3719	TW_L16_Z03_Toilet - MEP 2nd fix	16	23-Jul-19	06-Aug-19	11-Nov-19 A	19-Dec-19	-114	100%	10%												
3720	TW_L16_Z03_Toilet - Door Frame	2	03-Jul-19	05-Jul-19	14-Dec-19	16-Dec-19	-138	100%	0%												
3729	TW_L16_Z03_Toilet - Dry Wall Closing Board	8	20-Jun-19	29-Jun-19	14-Dec-19	23-Dec-19	-148	100%	0%												
3721	TW_L16_Z03_Toilet - MEP final fix	6	19-Aug-19	26-Aug-19	20-Dec-19	27-Dec-19	-103	100%	0%												
3725	TW_L16_Z03_Toilet - Sanitary ware & fittings	8	31-Oct-19	09-Nov-19	28-Dec-19	07-Jan-20	-49	100%	0%												
3714	TW_L16_Z03_Toilet - All Other Finishes / Make Good & Clean</																				

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020											
										Qtr 4		Qtr 1			Qtr 2			Qtr 3			
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
ST-02 Central																					
4186	TW_ST02 Central - MEP 1st fix, 2nd fix	12	14-Feb-19	27-Mar-19	06-May-19 A	14-Dec-19	-218	100%	95%												
4184	TW_ST02 Central - Ceiling Dust Sealer	26	24-Jan-19	01-Mar-19	02-Dec-19*	02-Jan-20	-254	100%	0%												
4188	TW_ST02 Central - Wall Dust Sealer	26	12-Mar-19	11-Apr-19	02-Dec-19	02-Jan-20	-220	100%	0%												
4191	TW_ST02 Central - Floor Dust Sealer	13	22-Apr-19	07-May-19	09-Dec-19	23-Dec-19	-192	100%	0%												
6440	TW_ST02 Central - All Other Finishes (DOOR) / Make Good & Clean	12	08-May-19	21-May-19	03-Jan-20	16-Jan-20	-199	100%	0%												
ST-03 East Core																					
4180	TW_ST03_East - MEP 1st fix, 2nd fix	10	01-Aug-19	12-Sep-19	02-May-19 A	12-Dec-19	-76	100%	95%												
6441	TW_ST03_East - All Other Finishes (DOOR) / Make Good & Clean	40	30-Sep-19	16-Oct-19	16-Sep-19 A	18-Jan-20	-80	100%	23.2%												
4182	TW_ST03_East - Permanent Hand Rail	6	19-Sep-19	05-Oct-19	23-Sep-19 A	07-Dec-19	-54	100%	92%												
9872	TW_ST03_East - Metal Balustrade	12	27-Jul-19	24-Aug-19	14-Oct-19 A	14-Dec-19	-94	100%	92%												
4179	TW_ST03_East - Floor W/proof Screenshot	26	25-Jul-19	24-Aug-19	25-Nov-19 A	02-Jan-20	-108	100%	5%												
4181	TW_ST03_East - Wall Dust Sealer	26	27-Aug-19	27-Sep-19	02-Dec-19	02-Jan-20	-80	100%	0%												
4183	TW_ST03_East - Stair Nosing Tile	13	21-Sep-19	09-Oct-19	02-Dec-19	16-Dec-19	-59	100%	0%												
4178	TW_ST03_East - Ceiling & Beam Dust Sealer	26	18-Jul-19	17-Aug-19	09-Dec-19	09-Jan-20	-120	100%	0%												
ST-01 West Core																					
4170	TW_ST01_East - MEP 1st fix, 2nd fix	10	01-Aug-19	12-Sep-19	06-May-19 A	12-Dec-19	-76	100%	95%												
4172	TW_ST01_East - Permanent Hand Rail	6	19-Sep-19	05-Oct-19	16-Sep-19 A	07-Dec-19	-54	100%	92%												
6442	TW_ST01_East - All Other Finishes (DOOR) / Make Good & Clean	33	30-Sep-19	16-Oct-19	16-Sep-19 A	16-Jan-20	-78	100%	23.2%												
4192	TW_ST01_East - Metal Balustrade	10	27-Jul-19	24-Aug-19	14-Oct-19 A	12-Dec-19	-92	100%	92%												
4168	TW_ST01_East - Ceiling & Beam Dust Sealer	26	18-Jul-19	17-Aug-19	17-Aug-19*	02-Dec-19	-114	100%	0%												
4171	TW_ST01_East - Wall Dust Sealer	26	27-Aug-19	27-Sep-19	02-Dec-19	02-Jan-20	-80	100%	0%												
3982	TW_ST01_East - Floor W/proof Screenshot	26	25-Jul-19	24-Aug-19	09-Dec-19	09-Jan-20	-114	100%	0%												
4173	TW_ST01_East - Stair Nosing Tile	13	21-Sep-19	09-Oct-19	09-Dec-19	23-Dec-19	-65	100%	0%												
Testing & Commissioning																					
HVAC																					
7603	TW_MEP_Wild_Air - Pipes Flushing w/ Water Sample Test	45	03-Sep-19	20-Sep-19	26-Oct-19 A	05-Feb-20	-107	100%	45%												
7599	TW_MEP_Wild_Air - Hydraulic Test (CWS/CWR)	24	06-Aug-19	02-Sep-19	23-Dec-19	21-Jan-20	-116	100%	0%												
7607	TW_MEP_Wild_Air - AHU SAT & LMCP SAT	12	21-Sep-19	23-Oct-19	02-Jan-20	15-Jan-20	-70	100%	0%												
7608	TW_MEP_Wild_Air - Start Up AHU @ Each Level	12	14-Oct-19	26-Oct-19	09-Jan-20	22-Jan-20	-73	100%	0%												
7609	TW_MEP_Wild_Air - Air Flow Test	12	28-Oct-19	23-Nov-19	23-Jan-20	13-Feb-20	-61	100%	0%												
7610	TW_MEP_Wild_Air - AHU Performance Test	12	25-Nov-19	07-Dec-19	14-Feb-20	27-Feb-20	-61	50%	0%												
7615	TW_MEP_Wild_Air - Air System Balancing	36	09-Dec-19	18-Mar-20	28-Feb-20	10-Apr-20	-19	0%	0%												
Electrical & Controls																					
7627	TW_POW - Test FSD Lifts w/ Permanent Power (2 nos)	24	14-Aug-19	11-Sep-19	01-Oct-19 A	09-Jan-20	-99	100%	50.01%												
9467	TW_POW - Test non-FSD Lifts w/ Permanent Power (8 nos)	46	19-Sep-19	18-Oct-19	01-Oct-19 A	04-Feb-20	-84	100%	20%												
7628	TW_POW - Power & Distribution Insulation/Polarity Checks	48	25-Sep-19	24-Oct-19	09-Nov-19 A	12-Feb-20	-86	100%	30%												
7629	TW_POW - Power & Distribution Functional Components Test	52	11-Oct-19	07-Nov-19	19-Nov-19 A	22-Feb-20	-83	100%	30%												
7624	TW_POW - Lighting & Control T&C	24	25-Oct-19	21-Nov-19	03-Feb-20	29-Feb-20	-77	100%	0%												
7625	TW_POW - IT Systems Test	24	25-Oct-19	21-Nov-19	03-Feb-20	29-Feb-20	-77	100%	0%												
7626	TW_POW - AV Systems Test	12	08-Nov-19	21-Nov-19	17-Feb-20	29-Feb-20	-77	100%	0%												
9540	TW_POW - Test Escalators w/ Permanent Power	24	02-Nov-19	29-Nov-19	19-Feb-20	17-Mar-20	-84	100%	0%												
Plumbing & Drainage																					
7612	TW_P&D - Hydraulic Tests P&D	36	12-Sep-19	28-Oct-19	15-Jul-19 A	21-Jan-20	-72	100%	50.04%												
9463	TW_P&D - Equipment Test & Pumps Rotation Checks	24	28-Oct-19	25-Nov-19	22-Jan-20	26-Feb-20	-72	100%	0%												
Fire Services																					
7613	TW_FS - FS Hydraulic Test Pipe Works	36	12-Sep-19	28-Oct-19	15-Jul-19 A	16-Jan-20	-68	100%	70%												
7632	TW_FS - FS Power & Controls Insulation/Continuity/Polarity Checks	54	25-Sep-19	24-Oct-19	04-Nov-19 A	14-Feb-20	-88	100%	30%												
7637	TW_FS - Air Flow & Smoke Extraction Test (Pls Refer to 7609)	12	25-Oct-19	21-Nov-19	23-Jan-20	13-Feb-20	-63	100%	0%												
7634	TW_FS - Sprinkler System Test	24	28-Oct-19	25-Nov-19	24-Jan-20	28-Feb-20	-74	100%	0%												
7635	TW_FS - AFA Devices Loop & Functional Test	24	25-Oct-19	21-Nov-19	24-Jan-20	28-Feb-20	-76	100%	0%												
CSF BUILDING																					
Construction																					
Level GF																					
ABWF & MEP Works																					
FoH Areas (Storages, Offices, Lift Lobby etc) - CSF_GF_Z01																					
5738	CSF_GF_Z01_FoH - Gypsum Block wall MEP Services/Conduits (MEP 1st fix)	2	17-May-19	30-May-19	22-Apr-19 A	03-Dec-19	-155	100%	95%												
5746	CSF_GF_Z01_FoH - Perimeter Gypsum Block Wall	4	29-May-19	17-Jun-19	24-Jun-19 A	05-Dec-19	-143	100%	95%												
5742	CSF_GF_Z01_FoH - Floor Screenshot	5	02-May-19	07-May-19	21-Oct-19 A	06-Dec-19	-178	100%	85%												
5745	CSF_GF_Z01_FoH - Perimeter Foamglas Insulation (Remaining Works)	8	08-May-19	28-May-19	04-Nov-19 A	10-Dec-19	-163	100%	85%												
5733	CSF_GF_Z01_FoH - MEP 2nd fix	4	20-Jul-19	09-Aug-19	22-Apr-19 A	05-Dec-19	-98	100%	95.77%												
5747	CSF_GF_Z01_FoH - Perimeter Gypsum Block Wall Plaster/Skim Coat	14	18-Jun-19	02-Jul-19	25-Jun-19 A	17-Dec-19	-141	100%	95%												
5736	CSF_GF_Z01_FoH - MEP 2nd fix Gypsum Block wall	8	24-May-19	14-Jun-19	22-Jul-19 A	10-Dec-19	-149	100%	92%												
5734	CSF_GF_Z01_FoH - MEP final fix	12	28-Aug-19	10-Sep-19	23-Sep-19 A	14-Dec-19	-79	100%	68%												
5740	CSF_GF_Z01_FoH - Ceiling & wall finishes (painting)	18	10-Aug-19	03-Sep-19	28-Oct-19 A	21-Dec-19	-91	100%	55%												
5771	CSF_GF_Z01_FoH - MEP final fix Install Gas Suppression Cyl (delay to just before F)	12	08-Nov-19	21-Nov-19	11-Nov-19 A	14-Dec-19	-20	100%	15%												
6112	CSF_GF_Z01_FoH - Exh. Layout Rm, Vis. Storage & Lift Lob Close ceiling (board)	12	03-Aug-19	19-Aug-19	11-Dec-19	24-Dec-19	-106	100%	0%												
5743	CSF_GF_Z01_FoH - Floor Sealer	2	04-Sep-19	06-Sep-19	23-Dec-19	24-Dec-19	-90	100%	0%												
6107	CSF_GF_Z01_FoH - Exh. Layout Rm & Vis. Storage Roller Blind System Inst'n	9	20-Aug-19	29-Aug-19	03-Feb-20*	12-Feb-20	-131	100%	0%												
6108	CSF_GF_Z01_FoH - Exh. Layout Rm Timber flooring	11	22-Jan-20	11-Feb-20	12-Mar-20	24-Mar-20	-36	0%	0%												
5741	CSF_GF_Z01_FoH - All Other Finishes / Make Good & Clean	12	12-Feb-20	25-Feb-20	18-Mar-20	31-Mar-20	-30	0%	0%												
5737a	CSF_GF_Z01_FoH - 1no O/S SR3 Doors & Iron., (Permanent)	3			28-May-20	28-May-20		0%	0%												
111136	CSF_GF_Z01_FoH - Museum Storage System (Fixed Screen & Dwg Cabinets) Inst.	30			26-May-20	30-Jun-20		0%	0%												
Corridors with Suspended Ceilings - CSF_GF_Z02																					
5748	CSF_GF_Z02_Corr - MEP final fix	6	03-Aug-19	09-Aug-19	19-Aug-19 A	07-Dec-19	-100	100%	74%												
5755	CSF_GF_Z02_Corr - Ceiling & Wall (painting & sealer)	4	26-Jul-19	02-Aug-19	22-Nov-19 A	05-Dec-19	-104	100%	30%												
5757	CSF_GF_Z02_Corr - All Other Finishes (DOOR) / Make Good & Clean	9	07-Aug-19	13-Aug-19	22-Nov-19 A	12-Dec-19	-101	100%	50%												
5756	CSF_GF_Z02_Corr - Floor Sealer	3	03-Aug-19	06-Aug-19	06-Dec-19	09-Dec-19	-104	100%	0%												
BOH (GL B'B'+; 5'-6' & G.L. F, 4'+5'+) - CSF_GF_Z03																					
5765	CSF_GF_Z03_BoH - Wall Epoxy Paint	8	17-Jul-19	23-Jul-19	21-Oct-19 A	10-Dec-19	-117	100%	70%												
5767	CSF_GF_Z03_BoH - All Other Finishes (DOOR) / Make Good & Clean	10	01-Aug-19	07-Aug-19	23-Nov-19 A	13-Dec-19	-107	100%	30%												

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020														
										2019		Qtr 1			Qtr 2			Qtr 3						
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
Testing & Commissioning																								
Wild Air Stage 1 - T&C (1/F to 5/F) - Air Cooled Chillers																								
3877	CSF_MEP_Wild_Air - FLOORS 1/F to 5/F - SAT	22	15-Jun-19	17-Jul-19	14-Oct-19 A	27-Dec-19	-137	100%	65%															
3875	CSF_MEP_Wild_Air - Chiller SAT Test	5	20-Apr-19	25-Apr-19	21-Oct-19 A	06-Dec-19	-187	100%	50%															
3878	CSF_MEP_Wild_Air - FLOORS 1/F to 5/F - Start Up	4	17-Jul-19	22-Jul-19	21-Oct-19 A	05-Dec-19	-114	100%	80%															
3879	CSF_MEP_Wild_Air - FLOORS 1/F to 5/F - Air Flow Test	8	23-Jul-19	31-Jul-19	23-Oct-19 A	10-Dec-19	-110	100%	80%															
3880	CSF_MEP_Wild_Air - FLOORS 1/F to 5/F - AHU Performance Test	22	01-Aug-19	07-Aug-19	23-Oct-19 A	27-Dec-19	-118	100%	50%															
3876	CSF_MEP_Wild_Air - Chiller Start Up	6	31-Jul-19	31-Jul-19	28-Oct-19 A	07-Dec-19	-108	100%	50.01%															
Wild Air Stage 2 - T&C (Balance) - DCS & Air Cooled Chillers																								
9738	CSF_MEP_Wild_Air - Hydro Test & Pipes Flushing w/ Water Sample Test	15	21-Sep-19	04-Nov-19	07-Nov-19 A	21-Dec-19	-41	100%	75%															
6324	CSF_MEP_Wild_Air - FLOORS GF & 6/F to 8/F - SAT	14	09-Oct-19	07-Nov-19	08-Nov-19 A	18-Dec-19	-34	100%	15%															
6325	CSF_MEP_Wild_Air - FLOORS GF & 6/F to 8/F - Start Up	17	08-Nov-19	14-Nov-19	25-Nov-19 A	24-Dec-19	-34	100%	15%															
6326	CSF_MEP_Wild_Air - FLOORS GF & 6/F to 8/F - Air Flow Test	8	15-Nov-19	23-Nov-19	26-Dec-19	04-Jan-20	-34	100%	0%															
6327	CSF_MEP_Wild_Air - FLOORS GF & 6/F to 8/F - AHU Performance Test	6	25-Nov-19	30-Nov-19	06-Jan-20	11-Jan-20	-34	100%	0%															
Electrical & Controls																								
7688	CSF_POW - Lighting & Control T&C	8	19-Nov-19	02-Dec-19	29-Jul-19 A	12-Dec-19	-9	91.67%	68%															
7693	CSF_POW - Power & Distribution Insulation/Polarity Checks	20	29-Oct-19	25-Nov-19	29-Jul-19 A	27-Dec-19	-27	100%	90%															
7694	CSF_POW - Power & Distribution Functional Components Test	26	05-Nov-19	02-Dec-19	16-Sep-19 A	04-Jan-20	-27	95.83%	78%															
7700	CSF_POW - EMSD Test Other Lifts w/ Permanent Power & Issue Cert.	44	28-Nov-19	28-Nov-19	23-Oct-19 A	23-Jan-20	-47	100%	45%															
7692	CSF_POW - BMS Systems Test	30	03-Dec-19	16-Dec-19	23-Nov-19 A	16-Jan-20	-25	0%	10%															
7685	CSF_POW - UPS T&C	12	12-Nov-19	25-Nov-19	04-Dec-19	17-Dec-19	-19	100%	0%															
7689	CSF_POW - IT Systems Test	12	11-Nov-19	02-Dec-19	20-Dec-19	04-Jan-20	-27	91.67%	0%															
7690	CSF_POW - AV Systems Test	12	03-Dec-19	16-Dec-19	06-Jan-20	18-Jan-20	-27	0%	0%															
Plumbing & Drainage																								
7680	CSF_P&D - Hydraulic Tests P&D	22	06-Sep-19	04-Nov-19	22-Jul-19 A	02-Jan-20	-49	100%	86%															
Fire Services																								
7682	CSF_FS - FS Hydraulic Test Pipe Works	16	06-Sep-19	04-Nov-19	26-Aug-19 A	21-Dec-19	-41	100%	82%															
7698	CSF_FS - AFA Devices Loop & Functional Test	21	26-Nov-19	09-Dec-19	26-Aug-19 A	27-Dec-19	-15	41.67%	85%															
7695	CSF_FS - FS Power & Controls Insulation/Continuity/Polarity Checks	18	15-Oct-19	25-Nov-19	23-Sep-19 A	23-Dec-19	-24	100%	85%															
7697	CSF_FS - Sprinkler System Test	18	05-Nov-19	18-Nov-19	21-Oct-19 A	27-Dec-19	-33	100%	80%															
7701	CSF_FS - Gas Flooding Test	18	11-Feb-20	24-Feb-20	28-Oct-19 A	27-Dec-19	42	0%	35%															
7699	CSF_FS - Genset Test	10	12-Nov-19	25-Nov-19	18-Nov-19 A	13-Dec-19	-16	100%	55%															
RDE BUILDING																								
Construction																								
Initial Works, Establishment & Miscellaneous																								
14238f	RDE - Architectural Lightings Installation (C46)	12	10-Feb-20	22-Feb-20	26-May-20	08-Jun-20	-89	0%	0%															
9699	RDE_ABWF - Sealer/Screened MH16 opening L1-L5	30	25-Oct-19	28-Nov-19	23-Dec-19	05-Feb-20	-50	100%	0%															
9701	RDE_MEP - Minor MEP Works MH16 opening L1-L5	30	08-Nov-19	12-Dec-19	15-Jan-20	26-Feb-20	-56	66.67%	0%															
Level GF																								
ABWF & MEP Works																								
FoH Areas (Retail, Passenger Lift Lobbies & Terrace) - RDE_GF_Z01																								
4691	RDE_GF_Z01_FoH - MEP 1st fix (Part 1)	12	16-Jan-19	05-Mar-19	07-Jan-19 A	14-Dec-19	-237	100%	86%															
4692	RDE_GF_Z01_FoH - MEP 2nd fix	33	30-Sep-19	29-Oct-19	02-Sep-19 A	10-Jan-20	-61	100%	48%															
4691a	RDE_GF_Z01_FoH - MEP 1st fix (Part 2)	18			16-Dec-19	07-Jan-20		0%	0%															
4693	RDE_GF_Z01_FoH - MEP final fix	18	30-Oct-19	19-Nov-19	11-Jan-20	08-Feb-20	-61	100%	0%															
4698	RDE_GF_Z01_FoH - Floor Sealer	5	20-Nov-19	25-Nov-19	10-Feb-20	14-Feb-20	-61	100%	0%															
4746	RDE_GF_Z01_FoH - Glass Partition installation	26	05-Dec-19	11-Dec-19	17-Feb-20	17-Mar-20	-74	0%	0%															
4694	RDE_GF_Z01_FoH - All Other Finishes / Make Good & Clean	12	19-Nov-19	02-Dec-19	11-Mar-20	24-Mar-20	-88	91.67%	0%															
BoH Plant Rooms, Corridors, FS & Service Lift Lobbies - RDE_GF_Z02																								
4686	RDE_GF_Z02_BoH - Wet Trades (plaster/screed/ceiling sealer/wall_sealer/undercoat)	12	29-Dec-18	15-Jan-19	07-Jan-19 A	14-Dec-19	-273	100%	80%															
4680	RDE_GF_Z02_BoH - MEP 2nd fix	30	10-May-19	30-May-19	01-Apr-19 A	07-Jan-20	-183	100%	81%															
4682	RDE_GF_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	24	20-Feb-19	23-Feb-19	12-Aug-19 A	30-Dec-19	-257	100%	30%															
4679	RDE_GF_Z02_BoH - Seal Wall Opening	18	20-Feb-19	26-Feb-19	02-Sep-19 A	21-Dec-19	-249	100%	50%															
4681	RDE_GF_Z02_BoH - Door Frame & Plastering of Perimeter Edges	6	27-Feb-19	04-Mar-19	02-Oct-19 A	07-Dec-19	-232	100%	60%															
4677	RDE_GF_Z02_BoH - Misc Metal Works / Access Panels	49	31-May-19	08-Jun-19	01-Nov-19 A	06-Feb-20	-196	100%	40%															
4687	RDE_GF_Z02_BoH - Wall epoxy/emulsion paint final coat	36	10-Jun-19	13-Jun-19	04-Nov-19 A	10-Feb-20	-194	100%	70%															
4675	RDE_GF_Z02_BoH - Door / Ironmong / Hose Reel Cabs	33	31-May-19	08-Jun-19	11-Nov-19 A	10-Jan-20	-179	100%	20%															
4684	RDE_GF_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	33	31-May-19	08-Jun-19	18-Nov-19 A	10-Jan-20	-179	100%	30%															
4685	RDE_GF_Z02_BoH - Floor sealer	37	13-Jun-19	14-Jun-19	25-Nov-19 A	11-Feb-20	-194	100%	50%															
4688	RDE_GF_Z02_BoH - MEP final fix	12	24-Sep-19	09-Oct-19	08-Jan-20	21-Jan-20	-87	100%	0%															
4676	RDE_GF_Z02_BoH - All Other Finishes / Make Good & Clean	12	02-Oct-19	16-Oct-19	10-Mar-20	23-Mar-20	-127	100%	0%															
Level 1																								
ABWF & MEP Works																								
FoH Areas (Retail, Passenger Lift Lobbies & Terrace) - RDE_L1_Z01																								
4736	RDE_L1_Z01_FoH - MEP 2nd fix	21	07-Nov-19	04-Dec-19	02-May-19 A	30-Dec-19	-21	87.5%	88%															
4735a	RDE_L1_Z01_FoH - MEP 1st fix (Part 2)	18			05-Dec-19*	26-Dec-19		0%	0%															
4737	RDE_L1_Z01_FoH - MEP final fix	18	05-Dec-19	26-Dec-19	31-Dec-19	21-Jan-20	-21	0%	0%															
4741	RDE_L1_Z01_FoH - Floor Sealer	4	27-Dec-19	31-Dec-19	22-Jan-20	03-Feb-20	-21	0%	0%															
10116	RDE_L1_Z01_FoH - Glass Partition installation	26			19-Feb-20	19-Mar-20		0%	0%															
4738	RDE_L1_Z01_FoH - All Other Finishes / Make Good & Clean	12	24-Dec-19	08-Jan-20	13-Mar-20	26-Mar-20	-60	0%	0%															
BoH Plant Rooms, Corridors, FS & Service Lift Lobbies - RDE_L1_Z02																								
4713	RDE_L1_Z02_BoH - Wet Trades (plaster/screed/C&W_sealer/undercoat)	12	29-Mar-19	15-Apr-19	16-Nov-18 A	14-Dec-19	-203	100%	85%															
4708	RDE_L1_Z02_BoH - MEP 2nd fix	32	25-Oct-19	14-Nov-19	01-Apr-19 A	09-Jan-20	-46	100%	79%															
4709	RDE_L1_Z02_BoH - Door Frame & Plastering of Perimeter Edges	14	15-May-19	21-May-19	12-Aug-19 A	17-Dec-19	-175	100%	55%															
4704	RDE_L1_Z02_BoH - Misc Metal Works / Access Panels	51	15-Nov-19	21-Nov-19	02-Sep-19 A	10-Feb-20	-60	100%	64%															
4711	RDE_L1_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	35	22-Nov-19	28-Nov-19	07-Oct-19 A	13-Jan-20	-37	100%	35%															
4714	RDE_L1_Z02_BoH - Wall epoxy/emulsion paint final coat	55	29-Nov-19	02-Dec-19	04-Nov-19 A	13-Feb-20	-54	66.67%	70%															
4702	RDE_L1_Z02_BoH - Door / Ironmong / Hose Reel Cabs	63	15-Nov-19	23-Nov-19	11-Nov-19 A	22-Feb-20	-69	100%	25%															
4712	RDE_L1_Z02_BoH - Floor sealer	56	02-Dec-19	03-Dec-19	25-Nov-19 A	14-Feb-20	-54	0%	30%															
4715	RDE_L1_Z02_BoH - MEP final fix	12	15-Nov-19	28-Nov-19	10-Jan																			

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020														
										2019		Qtr 1			Qtr 2			Qtr 3						
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
4795	RDE_L2_Z04_Kitchen - Install door & ironmongery / Make Good & Clean	33	24-Sep-19	30-Sep-19	12-Aug-19 A	10-Jan-20	-84	100%	40%															
4778	RDE_L2_Z04_Kitchen - MEP final fix	3	24-Sep-19	26-Sep-19	31-Dec-19	03-Jan-20	-81	100%	0%															
Level 3																								
ABWF & MEP Works																								
FoH Areas (RDE, Passenger Lift Lobbies & Terrace) - RDE_L3_Z01																								
4830	RDE_L3_Z01_FoH - MEP 2nd fix	24	10-May-19	06-Jun-19	01-Apr-19 A	30-Dec-19	-171	100%	70%															
4845	RDE_L3_Z01_FoH - Terrace Balustrade (base frame & glass)	6	27-Jun-19	04-Jul-19	21-May-19 A	07-Dec-19	-131	100%	90%															
4829a	RDE_L3_Z01_FoH - MEP 1st fix (Part 2)	18			02-Dec-19	21-Dec-19		0%	0%															
4831	RDE_L3_Z01_FoH - MEP final fix	18	24-Sep-19	16-Oct-19	31-Dec-19	21-Jan-20	-81	100%	0%															
4835	RDE_L3_Z01_FoH - Floor Sealer	4	17-Oct-19	22-Oct-19	22-Jan-20	04-Feb-20	-81	100%	0%															
4832	RDE_L3_Z01_FoH - All Other Finishes / Make Good & Clean	12	15-Oct-19	29-Oct-19	10-Mar-20	23-Mar-20	-117	100%	0%															
BoH Plant Rooms, Corridors, FS & Service Lift Lobbies - RDE_L3_Z02																								
4808	RDE_L3_Z02_BoH - Wet Trades (plaster/screed/C&W_sealer/undercoat)	12	18-Mar-19	02-Apr-19	19-Nov-18 A	14-Dec-19	-213	100%	85%															
4803	RDE_L3_Z02_BoH - MEP 2nd fix	32	03-Jul-19	23-Jul-19	01-Apr-19 A	09-Jan-20	-141	100%	78%															
4804	RDE_L3_Z02_BoH - Door Frame & Plastering of Perimeter Edges	6	03-Jul-19	09-Jul-19	02-Jul-19 A	07-Dec-19	-127	100%	60%															
4800	RDE_L3_Z02_BoH - Misc Metal Works / Access Panels	49	24-Jul-19	30-Jul-19	01-Aug-19 A	06-Feb-20	-152	100%	82%															
4802	RDE_L3_Z02_BoH - Seal Wall Opening	20	03-Jul-19	09-Jul-19	01-Aug-19 A	24-Dec-19	-141	100%	90%															
4806	RDE_L3_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Out-Outs	35	31-Jul-19	08-Aug-19	23-Sep-19 A	13-Jan-20	-130	100%	40%															
4798	RDE_L3_Z02_BoH - Door / Ironmong / Hose Reel Cabs	35	24-Jul-19	01-Aug-19	04-Nov-19 A	13-Jan-20	-136	100%	20%															
4810	RDE_L3_Z02_BoH - MEP final fix	12	30-Sep-19	15-Oct-19	10-Jan-20	23-Jan-20	-84	100%	0%															
4809	RDE_L3_Z02_BoH - Wall epoxy/ emulsion paint final coat	4	09-Aug-19	13-Aug-19	06-Feb-20	10-Feb-20	-143	100%	0%															
4807	RDE_L3_Z02_BoH - Floor sealer	2	13-Aug-19	14-Aug-19	10-Feb-20	11-Feb-20	-143	100%	0%															
4799	RDE_L3_Z02_BoH - All Other Finishes / Make Good & Clean	12	09-Oct-19	22-Oct-19	10-Mar-20	23-Mar-20	-122	100%	0%															
Toilets - RDE_L3_Z03																								
4817	RDE_L3_Z03_Toilet - MEP 2nd fix	15	17-Jul-19	30-Jul-19	09-Apr-19 A	18-Dec-19	-118	100%	85%															
4823	RDE_L3_Z03_Toilet - Cubicle partitions & sanitary ware & fittings	20	08-Oct-19	16-Oct-19	17-Jun-19 A	24-Dec-19	-59	100%	40%															
4818	RDE_L3_Z03_Toilet - Door Frame	6	28-Jun-19	29-Jun-19	12-Aug-19 A	07-Dec-19	-134	100%	70%															
4815	RDE_L3_Z03_Toilet - Close ceiling (board) incl. Out-Outs	18	31-Jul-19	08-Aug-19	01-Nov-19 A	21-Dec-19	-113	100%	50%															
4812	RDE_L3_Z03_Toilet - Door / Ironmong	21	17-Oct-19	18-Oct-19	11-Nov-19 A	26-Dec-19	-58	100%	20%															
4826	RDE_L3_Z03_Toilet - Ceiling finishes final coat	3	09-Aug-19	12-Aug-19	23-Dec-19	26-Dec-19	-113	100%	0%															
4819	RDE_L3_Z03_Toilet - MEP final fix	6	08-Oct-19	14-Oct-19	31-Dec-19	07-Jan-20	-71	100%	0%															
4813	RDE_L3_Z03_Toilet - All Other Finishes / Make Good & Clean	6	19-Oct-19	25-Oct-19	17-Mar-20	23-Mar-20	-119	100%	0%															
Kitchen - RDE_L3_Z04																								
4840	RDE_L3_Z04_Kitchen - MEP 2nd fix	15	10-May-19	16-May-19	09-Apr-19 A	18-Dec-19	-180	100%	80%															
4844	RDE_L3_Z04_Kitchen - Install door & ironmongeries / Make Good & Clean	33	24-Sep-19	30-Sep-19	19-Aug-19 A	10-Jan-20	-84	100%	60%															
4828	RDE_L3_Z04_Kitchen - MEP final fix	3	24-Sep-19	26-Sep-19	31-Dec-19	03-Jan-20	-81	100%	0%															
Level 4																								
ABWF & MEP Works																								
FoH Areas (RDE, Passenger Lift Lobbies & Terrace) - RDE_L4_Z01																								
4879	RDE_L4_Z01_FoH - MEP 2nd fix	24	10-May-19	06-Jun-19	02-May-19 A	30-Dec-19	-171	100%	80%															
4894	RDE_L4_Z01_FoH - Terrace Balustrade (base frame & glass)	6	27-Jun-19	04-Jul-19	08-Jul-19 A	07-Dec-19	-131	100%	90%															
4878a	RDE_L4_Z01_FoH - MEP 1st fix (Part 2)	18			02-Dec-19	21-Dec-19		0%	0%															
4880	RDE_L4_Z01_FoH - MEP final fix	18	24-Sep-19	16-Oct-19	31-Dec-19	21-Jan-20	-81	100%	0%															
4884	RDE_L4_Z01_FoH - Floor Sealer	4	17-Oct-19	22-Oct-19	22-Jan-20	04-Feb-20	-81	100%	0%															
4881	RDE_L4_Z01_FoH - All Other Finishes / Make Good & Clean	12	15-Oct-19	29-Oct-19	10-Mar-20	23-Mar-20	-117	100%	0%															
BoH Plant Rooms, Corridors, FS & Service Lift Lobbies - RDE_L4_Z02																								
4857	RDE_L4_Z02_BoH - Wet Trades (plaster/screed/C&W_sealer/undercoat)	12	18-Mar-19	02-Apr-19	11-Mar-19 A	14-Dec-19	-213	100%	85%															
4852	RDE_L4_Z02_BoH - MEP 2nd fix	24	03-Jul-19	23-Jul-19	15-Apr-19 A	30-Dec-19	-133	100%	71%															
4849	RDE_L4_Z02_BoH - Misc Metal Works / Access Panels	49	24-Jul-19	30-Jul-19	01-Aug-19 A	06-Feb-20	-152	100%	82%															
4851	RDE_L4_Z02_BoH - Seal Wall Opening	18	03-Jul-19	09-Jul-19	05-Aug-19 A	21-Dec-19	-139	100%	90%															
4853	RDE_L4_Z02_BoH - Door Frame & Plastering of Perimeter Edges	21	03-Jul-19	09-Jul-19	12-Aug-19 A	26-Dec-19	-142	100%	60%															
4847	RDE_L4_Z02_BoH - Door / Ironmong / Hose Reel Cabs	27	24-Jul-19	01-Aug-19	04-Nov-19 A	03-Jan-20	-128	100%	20%															
4855	RDE_L4_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Out-Outs	28	31-Jul-19	08-Aug-19	11-Nov-19 A	04-Jan-20	-123	100%	10%															
4858	RDE_L4_Z02_BoH - Wall epoxy/ emulsion paint final coat	29	09-Aug-19	13-Aug-19	25-Nov-19 A	10-Feb-20	-143	100%	10%															
4859	RDE_L4_Z02_BoH - MEP final fix	12	16-Oct-19	29-Oct-19	31-Dec-19	14-Jan-20	-64	100%	0%															
4856	RDE_L4_Z02_BoH - Floor sealer	2	13-Aug-19	14-Aug-19	10-Feb-20	11-Feb-20	-143	100%	0%															
4848	RDE_L4_Z02_BoH - All Other Finishes / Make Good & Clean	12	23-Oct-19	05-Nov-19	10-Mar-20	23-Mar-20	-110	100%	0%															
Toilets - RDE_L4_Z03																								
4866	RDE_L4_Z03_Toilet - MEP 2nd fix	11	17-Jul-19	30-Jul-19	02-May-19 A	14-Dec-19	-115	100%	73%															
4872	RDE_L4_Z03_Toilet - Cubicle partitions & sanitary ware & fittings	12	24-Oct-19	01-Nov-19	15-Jul-19 A	14-Dec-19	-37	100%	40%															
4867	RDE_L4_Z03_Toilet - Door Frame	2	28-Jun-19	29-Jun-19	19-Aug-19 A	03-Dec-19	-130	100%	70%															
4871	RDE_L4_Z03_Toilet - Finishes Walls & Floor Tiling	6	08-Oct-19	23-Oct-19	02-Oct-19 A	07-Dec-19	-39	100%	85%															
4863	RDE_L4_Z03_Toilet - Ceiling Rods/ Grids	6	11-Jul-19	16-Jul-19	07-Oct-19 A	07-Dec-19	-121	100%	60%															
4864	RDE_L4_Z03_Toilet - Close ceiling (board) incl. Out-Outs	15	31-Jul-19	08-Aug-19	04-Nov-19 A	18-Dec-19	-110	100%	50%															
4861	RDE_L4_Z03_Toilet - Door / Ironmong	2	02-Nov-19	04-Nov-19	16-Dec-19	17-Dec-19	-37	100%	0%															
4875	RDE_L4_Z03_Toilet - Ceiling finishes final coat	3	09-Aug-19	12-Aug-19	19-Dec-19	21-Dec-19	-110	100%	0%															
4868	RDE_L4_Z03_Toilet - MEP final fix	6	24-Oct-19	30-Oct-19	31-Dec-19	07-Jan-20	-57	100%	0%															
4862	RDE_L4_Z03_Toilet - All Other Finishes / Make Good & Clean	6	05-Nov-19	11-Nov-19	17-Mar-20	23-Mar-20	-105	100%	0%															
Kitchen - RDE_L4_Z04																								
4889	RDE_L4_Z04_Kitchen - MEP 2nd fix	15	10-May-19	16-May-19	03-Jun-19 A	18-Dec-19	-180	100%	80%															
4893	RDE_L4_Z04_Kitchen - Install door & ironmongery / Make Good & Clean	27	24-Sep-19	30-Sep-19	02-Oct-19 A	10-Jan-20	-84	100%	50%															
4877	RDE_L4_Z04_Kitchen - MEP final fix	3	24-Sep-19	26-Sep-19	31-Dec-19	03-Jan-20	-81	100%	0%															
Level 5																								
ABWF & MEP Works																								
FoH Areas (Offices, Passenger Lift Lobbies & Terrace) - RDE_L5_Z01																								
4928	RDE_L5_Z01_FoH - MEP 2nd fix	24	10-May-19	06-Jun-19	15-Apr-19 A	30-Dec-19	-171	100%	80%															
4934	RDE_L5_Z01_FoH - Terrace Balustrade (base frame & glass)	6	27-Jun-19	04-Jul-19	21-May-19 A	07-Dec-19	-131																	

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020														
										2019		Qtr 1			Qtr 2			Qtr 3						
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
5940	RDE_L9_Z03_Toilet - Finishes Walls & Floor Tiling	10	15-Oct-19	25-Oct-19	21-Jan-20	08-Feb-20	-82	100%	0%															
5932	RDE_L9_Z03_Toilet - Ceiling Rods/ Grids	4	20-Jul-19	24-Jul-19	24-Jan-20	05-Feb-20	-156	100%	0%															
5935	RDE_L9_Z03_Toilet - MEP 2nd fix	12	25-Jul-19	07-Aug-19	06-Feb-20	19-Feb-20	-156	100%	0%															
5930	RDE_L9_Z03_Toilet - Door / Ironmong	2	02-Nov-19	04-Nov-19	17-Feb-20	18-Feb-20	-82	100%	0%															
5933	RDE_L9_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	7	08-Aug-19	15-Aug-19	20-Feb-20	27-Feb-20	-156	100%	0%															
5937	RDE_L9_Z03_Toilet - MEP final fix	6	26-Oct-19	01-Nov-19	28-Feb-20	05-Mar-20	-98	100%	0%															
5944	RDE_L9_Z03_Toilet - Ceiling finishes final coat	3	16-Aug-19	19-Aug-19	28-Feb-20	02-Mar-20	-156	100%	0%															
5931	RDE_L9_Z03_Toilet - All Other Finishes / Make Good & Clean	6	05-Nov-19	11-Nov-19	17-Mar-20	23-Mar-20	-105	100%	0%															
Level 10																								
ABWF & MEP Works																								
FoH Areas (Offices, Passenger Lift Lobbies & Terrace) - RDE_10_Z01																								
5985	RDE_L10_Z01_FoH - MEP 1st fix	18	14-Mar-19	25-Apr-19	17-Jun-19 A	24-Dec-19	-202	100%	88%															
5989	RDE_L10_Z01_FoH - Ceiling/Wall/Columns Sealer	5	01-Mar-19	06-Mar-19	01-Jul-19 A	06-Dec-19	-229	100%	34.09%															
5992	RDE_L10_Z01_FoH - Terrace Balustrade (base frame & glass)	18	16-Sep-19	21-Sep-19	15-Jul-19 A	21-Dec-19	-76	100%	80%															
5990	RDE_L10_Z01_FoH - Wall/Columns Protection	7	07-Mar-19	13-Mar-19	01-Aug-19 A	10-Dec-19	-226	100%	65%															
5986	RDE_L10_Z01_FoH - MEP 2nd fix	26	17-Aug-19	13-Sep-19	14-Oct-19 A	02-Jan-20	-90	100%	21%															
5987	RDE_L10_Z01_FoH - MEP final fix	18	24-Sep-19	16-Oct-19	03-Jan-20	23-Jan-20	-83	100%	0%															
5991	RDE_L10_Z01_FoH - Floor Sealer	4	17-Oct-19	22-Oct-19	24-Jan-20	06-Feb-20	-83	100%	0%															
5988	RDE_L10_Z01_FoH - All Other Finishes / Make Good & Clean	12	15-Oct-19	29-Oct-19	10-Mar-20	23-Mar-20	-117	100%	0%															
BoH Plant Rooms, Corridors, FS Lift Lobby - RDE_10_Z02																								
5965	RDE_L10_Z02_BoH - Wet Trades (plaster/screed/C&W_sealer/undercoat)	18	15-Apr-19	30-Apr-19	06-May-19 A	21-Dec-19	-196	100%	70%															
5958	RDE_L10_Z02_BoH - MEP 1st fix	30	17-Jun-19	15-Jul-19	17-Jun-19 A	07-Jan-20	-146	100%	70%															
5961	RDE_L10_Z02_BoH - Door Frame & Plastering of Perimeter Edges	29	16-Jul-19	20-Jul-19	02-Oct-19 A	10-Jan-20	-144	100%	50%															
5959	RDE_L10_Z02_BoH - Seal Wall Opening	36	16-Jul-19	22-Jul-19	14-Oct-19 A	14-Jan-20	-146	100%	30%															
5960	RDE_L10_Z02_BoH - MEP 2nd fix	39	16-Jul-19	05-Aug-19	14-Oct-19 A	17-Jan-20	-137	100%	14%															
5957	RDE_L10_Z02_BoH - Msc Metal Works / Access Panels	49	06-Aug-19	12-Aug-19	15-Oct-19 A	06-Feb-20	-141	100%	40%															
5962	RDE_L10_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	33	16-Jul-19	19-Jul-19	15-Nov-19 A	10-Jan-20	-145	100%	20%															
5963	RDE_L10_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	41	06-Aug-19	09-Aug-19	21-Nov-19 A	21-Jan-20	-136	100%	10%															
5955	RDE_L10_Z02_BoH - Door / Ironmong / Hose Reel Cabs	7	17-Aug-19	24-Aug-19	18-Jan-20	03-Feb-20	-127	100%	0%															
5966	RDE_L10_Z02_BoH - Wall epoxy/ emulsion paint final coat	3	10-Aug-19	13-Aug-19	22-Jan-20	24-Jan-20	-136	100%	0%															
5967	RDE_L10_Z02_BoH - MEP final fix	12	04-Nov-19	16-Nov-19	22-Jan-20	12-Feb-20	-66	100%	0%															
5964	RDE_L10_Z02_BoH - Floor sealer	2	13-Aug-19	14-Aug-19	24-Jan-20	03-Feb-20	-136	100%	0%															
5956	RDE_L10_Z02_BoH - All Other Finishes / Make Good & Clean	12	11-Nov-19	23-Nov-19	10-Mar-20	23-Mar-20	-94	100%	0%															
Toilets - RDE_10_Z03																								
5984	RDE_L10_Z03_Toilet - MEP 1st fix Ceiling	30	17-Jun-19	11-Jul-19	14-Oct-19 A	07-Jan-20	-149	100%	21%															
5980	RDE_L10_Z03_Toilet - Cubicle partitions & sanitary ware & fittings	54	07-Nov-19	13-Nov-19	18-Nov-19 A	22-Feb-20	-78	100%	9.99%															
10010	RDE_L10_Z03_Toilet - Dry Wall Frame & One Side Board	12			27-Dec-19	10-Jan-20		0%	0%															
5982	RDE_L10_Z03_Toilet - MEP 1st fix Dry Wall	8	19-Apr-19	27-Apr-19	11-Jan-20	20-Jan-20	-221	100%	0%															
5977	RDE_L10_Z03_Toilet - Floor Screed	4	23-Apr-19	26-Apr-19	21-Jan-20	24-Jan-20	-226	100%	0%															
10011	RDE_L10_Z03_Toilet - Dry Wall Closing Board	6			21-Jan-20	04-Feb-20		0%	0%															
5975	RDE_L10_Z03_Toilet - Door Frame	2	12-Jul-19	13-Jul-19	03-Feb-20	04-Feb-20	-164	100%	0%															
5973	RDE_L10_Z03_Toilet - Seal Wall Opening	3	29-Apr-19	02-May-19	05-Feb-20	07-Feb-20	-227	100%	0%															
5979	RDE_L10_Z03_Toilet - Finishes Walls & Floor Tiling	10	26-Oct-19	06-Nov-19	05-Feb-20	15-Feb-20	-78	100%	0%															
5971	RDE_L10_Z03_Toilet - Ceiling Rods/ Grids	4	20-Jul-19	24-Jul-19	08-Feb-20	12-Feb-20	-162	100%	0%															
5974	RDE_L10_Z03_Toilet - MEP 2nd fix	12	25-Jul-19	07-Aug-19	13-Feb-20	26-Feb-20	-162	100%	0%															
5969	RDE_L10_Z03_Toilet - Door / Ironmong	2	14-Nov-19	15-Nov-19	24-Feb-20	25-Feb-20	-78	100%	0%															
5972	RDE_L10_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	7	08-Aug-19	09-Aug-19	27-Feb-20	05-Mar-20	-167	100%	0%															
5976	RDE_L10_Z03_Toilet - MEP final fix	6	07-Nov-19	13-Nov-19	06-Mar-20	12-Mar-20	-94	100%	0%															
5983	RDE_L10_Z03_Toilet - Ceiling finishes final coat	3	10-Aug-19	13-Aug-19	06-Mar-20	09-Mar-20	-167	100%	0%															
5970	RDE_L10_Z03_Toilet - All Other Finishes / Make Good & Clean	6	16-Nov-19	22-Nov-19	17-Mar-20	23-Mar-20	-95	100%	0%															
Level 11																								
ABWF & MEP Works																								
FoH Areas (Offices, Passenger Lift Lobbies & Terrace) - RDE_L11_Z01																								
5124	RDE_L11_Z01_FoH - MEP 1st fix	21	09-Apr-19	21-May-19	17-Jun-19 A	28-Dec-19	-184	100%	84%															
5128	RDE_L11_Z01_FoH - Ceiling/Wall/Columns Sealer	5	26-Mar-19	30-Mar-19	01-Jul-19 A	06-Dec-19	-208	100%	80%															
5131	RDE_L11_Z01_FoH - Terrace Balustrade (base frame & glass)	18	16-Sep-19	21-Sep-19	15-Jul-19 A	21-Dec-19	-76	100%	80%															
5129	RDE_L11_Z01_FoH - Wall/Columns Protection	8	01-Apr-19	08-Apr-19	01-Aug-19 A	10-Dec-19	-205	100%	65%															
5125	RDE_L11_Z01_FoH - MEP 2nd fix	26	17-Aug-19	13-Sep-19	21-Oct-19 A	06-Jan-20	-93	100%	16%															
5126	RDE_L11_Z01_FoH - MEP final fix	18	24-Sep-19	16-Oct-19	07-Jan-20	04-Feb-20	-86	100%	0%															
5130	RDE_L11_Z01_FoH - Floor Sealer	4	17-Oct-19	22-Oct-19	05-Feb-20	10-Feb-20	-86	100%	0%															
5127	RDE_L11_Z01_FoH - All Other Finishes / Make Good & Clean	12	15-Oct-19	29-Oct-19	10-Mar-20	23-Mar-20	-117	100%	0%															
BoH Plant Rooms, Corridors, FS Lift Lobby - RDE_L11_Z02																								
5104	RDE_L11_Z02_BoH - Wet Trades (plaster/screed/C&W_sealer/undercoat)	21	06-May-19	21-May-19	03-Jun-19 A	26-Dec-19	-182	100%	70%															
5997	RDE_L11_Z02_BoH - MEP 1st fix	30	24-Jun-19	22-Jul-19	17-Jun-19 A	10-Jan-20	-143	100%	54%															
5100	RDE_L11_Z02_BoH - Door Frame & Plastering of Perimeter Edges	36	23-Jul-19	27-Jul-19	02-Oct-19 A	14-Jan-20	-141	100%	60%															
5996	RDE_L11_Z02_BoH - Msc Metal Works / Access Panels	52	13-Aug-19	19-Aug-19	15-Oct-19 A	10-Feb-20	-138	100%	46%															
1000	RDE_L11_Z02_BoH - MEP 2nd fix	49	23-Jul-19	12-Aug-19	21-Oct-19 A	06-Feb-20	-141	100%	8%															
5101	RDE_L11_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	36	23-Jul-19	26-Jul-19	21-Nov-19 A	14-Jan-20	-142	100%	20%															
5102	RDE_L11_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	52	20-Aug-19	23-Aug-19	27-Nov-19 A	10-Feb-20	-134	100%	10%															
5999	RDE_L11_Z02_BoH - Seal Wall Opening	6	23-Jul-19	29-Jul-19	11-Jan-20	17-Jan-20	-143	100%	0%															
5994	RDE_L11_Z02_BoH - Door / Ironmong / Hose Reel Cabs	7	17-Aug-19	24-Aug-19	07-Feb-20	14-Feb-20	-137	100%	0%															
5106	RDE_L11_Z02_BoH - MEP final fix	12	04-Nov-19	16-Nov-19	07-Feb-20	20-Feb-20	-73	100%	0%															
5105	RDE_L11_Z02_BoH - Wall epoxy/ emulsion paint final coat	3	24-Aug-19	27-Aug-19	11-Feb-20	11-Feb-20	-134	100%	0%															
5103	RDE_L11_Z02_BoH - Floor sealer	2	27-Aug-19																					

ID	Activity	RD	BL Start	BL Finish	Fcast / Actual Start	Fcast / Actual Finish	BL Fin Var	Sch %	Curr %	2020														
										2019		Qtr 1			Qtr 2			Qtr 3						
										Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep				
5148	RDE_L12_Z03_Toilet - All Other Finishes / Make Good & Clean	6	02-Oct-19	09-Oct-19	25-Mar-20	31-Mar-20	-140	100%	0%															
Level 13																								
ABWF & MEP Works																								
FoH Areas (Offices, Passenger Lift Lobbies & Terrace) - RDE_L13_Z01																								
5207	RDE_L13_Z01_FoH - Ceiling/Wall/Columns Sealer	5	28-May-19	01-Jun-19	02-Sep-19 A	06-Dec-19	-156	100%	75%															
5208	RDE_L13_Z01_FoH - Wall/Columns Protection	6	03-Jun-19	10-Jun-19	09-Sep-19 A	10-Dec-19	-153	100%	60%															
5203	RDE_L13_Z01_FoH - MEP 1st fix	18	11-Jun-19	23-Jul-19	16-Sep-19 A	24-Dec-19	-129	100%	45%															
5210	RDE_L13_Z01_FoH - Terrace Balustrade (base frame & glass)	37	18-Oct-19	24-Oct-19	02-Oct-19 A	15-Jan-20	-69	100%	80%															
5204	RDE_L13_Z01_FoH - MEP 2nd fix	24	18-Sep-19	17-Oct-19	26-Dec-19	23-Jan-20	-82	100%	0%															
5205	RDE_L13_Z01_FoH - MEP final fix	18	18-Oct-19	07-Nov-19	24-Jan-20	21-Feb-20	-82	100%	0%															
5209	RDE_L13_Z01_FoH - Floor Sealer	4	08-Nov-19	13-Nov-19	22-Feb-20	27-Feb-20	-82	100%	0%															
5206	RDE_L13_Z01_FoH - All Other Finishes / Make Good & Clean	12	06-Nov-19	20-Nov-19	10-Mar-20	23-Mar-20	-98	100%	0%															
BoH Plant Rooms, Corridors, FS Lift Lobby - RDE_L13_Z02																								
5182	RDE_L13_Z02_BoH - Wet Trades (plaster/screed/C&W_sealer/undercoat)	21	28-May-19	13-Jun-19	02-Sep-19 A	26-Dec-19	-163	100%	70%															
5175	RDE_L13_Z02_BoH - MEP 1st fix	36	24-Jun-19	22-Jul-19	16-Sep-19 A	14-Jan-20	-146	100%	20%															
5176	RDE_L13_Z02_BoH - Seal Wall Opening	39	23-Jul-19	29-Jul-19	18-Nov-19 A	21-Jan-20	-146	100%	40%															
5174	RDE_L13_Z02_BoH - Misc Metal Works / Access Panels	54	13-Aug-19	19-Aug-19	20-Nov-19 A	15-Feb-20	-143	100%	40%															
5172	RDE_L13_Z02_BoH - Door / Ironmong / Hose Reel Cabs	54	18-Sep-19	25-Sep-19	25-Nov-19 A	15-Feb-20	-112	100%	20%															
5177	RDE_L13_Z02_BoH - MEP 2nd fix	18	23-Jul-19	12-Aug-19	15-Jan-20	12-Feb-20	-146	100%	0%															
5178	RDE_L13_Z02_BoH - Door Frame & Plastering of Perimeter Edges	5	23-Jul-19	27-Jul-19	15-Jan-20	20-Jan-20	-146	100%	0%															
5179	RDE_L13_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	4	23-Jul-19	26-Jul-19	15-Jan-20	18-Jan-20	-146	100%	0%															
5180	RDE_L13_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	4	20-Aug-19	23-Aug-19	13-Feb-20	17-Feb-20	-140	100%	0%															
5184	RDE_L13_Z02_BoH - MEP final fix	12	24-Sep-19	09-Oct-19	13-Feb-20	26-Feb-20	-111	100%	0%															
5183	RDE_L13_Z02_BoH - Wall epoxy/ emulsion paint final coat	3	24-Aug-19	27-Aug-19	18-Feb-20	20-Feb-20	-140	100%	0%															
5181	RDE_L13_Z02_BoH - Floor sealer	2	27-Aug-19	28-Aug-19	20-Feb-20	21-Feb-20	-140	100%	0%															
5173	RDE_L13_Z02_BoH - All Other Finishes / Make Good & Clean	12	02-Oct-19	16-Oct-19	10-Mar-20	23-Mar-20	-127	100%	0%															
Toilets - RDE_L13_Z03																								
5202	RDE_L13_Z03_Toilet - MEP 1st fix Ceiling	48	24-Jun-19	18-Jul-19	11-Nov-19 A	05-Feb-20	-161	100%	4%															
5194	RDE_L13_Z03_Toilet - Floor Screed	4	14-Jun-19	18-Jun-19	02-Dec-19*	05-Dec-19	-142	100%	0%															
10016	RDE_L13_Z03_Toilet - Dry Wall Frame & One Side Board	12			18-Jan-20	08-Feb-20		0%	0%															
5192	RDE_L13_Z03_Toilet - Door Frame	2	19-Jul-19	20-Jul-19	06-Feb-20	07-Feb-20	-161	100%	0%															
5200	RDE_L13_Z03_Toilet - MEP 1st fix Dry Wall	8	11-Jun-19	19-Jun-19	10-Feb-20	18-Feb-20	-196	100%	0%															
10017	RDE_L13_Z03_Toilet - Dry Wall Closing Board	6			19-Feb-20	25-Feb-20		0%	0%															
5190	RDE_L13_Z03_Toilet - Seal Wall Opening	3	20-Jun-19	22-Jun-19	26-Feb-20	28-Feb-20	-202	100%	0%															
5196	RDE_L13_Z03_Toilet - Finishes Walls & Floor Tiling	10	20-Sep-19	02-Oct-19	26-Feb-20	07-Mar-20	-125	100%	0%															
5188	RDE_L13_Z03_Toilet - Ceiling Rods/ Grids	4	27-Jul-19	31-Jul-19	29-Feb-20	04-Mar-20	-174	100%	0%															
5191	RDE_L13_Z03_Toilet - MEP 2nd fix	12	01-Aug-19	14-Aug-19	05-Mar-20	18-Mar-20	-174	100%	0%															
5197	RDE_L13_Z03_Toilet - Cubicle partitions & sanitary ware & fittings	6	03-Oct-19	10-Oct-19	09-Mar-20	14-Mar-20	-125	100%	0%															
5186	RDE_L13_Z03_Toilet - Door / Ironmong	2	11-Oct-19	12-Oct-19	16-Mar-20	17-Mar-20	-125	100%	0%															
5189	RDE_L13_Z03_Toilet - Close ceiling (board) incl. Cut-Outs	7	15-Aug-19	22-Aug-19	19-Mar-20	26-Mar-20	-174	100%	0%															
5193	RDE_L13_Z03_Toilet - MEP final fix	6	03-Oct-19	10-Oct-19	27-Mar-20	02-Apr-20	-141	100%	0%															
5201	RDE_L13_Z03_Toilet - Ceiling finishes final coat	3	23-Aug-19	26-Aug-19	27-Mar-20	30-Mar-20	-174	100%	0%															
5187	RDE_L13_Z03_Toilet - All Other Finishes / Make Good & Clean	6	14-Oct-19	19-Oct-19	03-Apr-20	10-Apr-20	-139	100%	0%															
Level 14																								
Structural																								
4471	RDE_L14_ST - 14F to 14.5F staircase ST-73 & ST-74	9	04-Jun-19	14-Jun-19	02-Dec-19	11-Dec-19	-150	100%	0%															
4472	RDE_L14_ST - 14.5F to 15F staircase ST-73 & ST-74	9	15-Jun-19	25-Jun-19	12-Dec-19	21-Dec-19	-150	100%	0%															
ABWF & MEP Works																								
FoH Areas (Offices, Passenger Lift Lobbies & Terrace) - RDE_L14_Z01																								
5242	RDE_L14_Z01_FoH - MEP 1st fix	24	06-Jul-19	16-Aug-19	16-Sep-19 A	06-Jan-20	-117	100%	3%															
5246	RDE_L14_Z01_FoH - Ceiling/Wall/Columns Sealer	5	22-Jun-19	27-Jun-19	09-Dec-19*	13-Dec-19	-141	100%	0%															
5247	RDE_L14_Z01_FoH - Wall/Columns Protection	6	28-Jun-19	05-Jul-19	14-Dec-19	20-Dec-19	-141	100%	0%															
5243	RDE_L14_Z01_FoH - MEP 2nd fix	7	11-Oct-19	07-Nov-19	19-Feb-20	26-Feb-20	-86	100%	0%															
5244	RDE_L14_Z01_FoH - MEP final fix	18	08-Nov-19	28-Nov-19	27-Feb-20	18-Mar-20	-86	100%	0%															
5249	RDE_L14_Z01_FoH - Terrace Balustrade (base frame & glass)	6	08-Nov-19	14-Nov-19	27-Feb-20	04-Mar-20	-86	100%	0%															
5245	RDE_L14_Z01_FoH - All Other Finishes / Make Good & Clean	12	27-Nov-19	11-Dec-19	17-Mar-20	31-Mar-20	-86	29.63%	0%															
5248	RDE_L14_Z01_FoH - Floor Sealer	4	29-Nov-19	04-Dec-19	19-Mar-20	24-Mar-20	-86	45%	0%															
BoH Plant Rooms, Corridors, FS Lift Lobby - RDE_L14_Z02																								
5222	RDE_L14_Z02_BoH - Wet Trades (plaster/screed/C&W_sealer/undercoat)	21	05-Aug-19	20-Aug-19	04-Nov-19 A	26-Dec-19	-106	100%	30%															
5215	RDE_L14_Z02_BoH - MEP 1st fix	36	02-Sep-19	30-Sep-19	11-Nov-19 A	14-Jan-20	-87	100%	7%															
5216	RDE_L14_Z02_BoH - Seal Wall Opening	30	02-Oct-19	09-Oct-19	18-Nov-19 A	21-Jan-20	-87	100%	10%															
5217	RDE_L14_Z02_BoH - MEP 2nd fix	18	02-Oct-19	23-Oct-19	13-Jan-20	10-Feb-20	-85	100%	0%															
5218	RDE_L14_Z02_BoH - Door Frame & Plastering of Perimeter Edges	5	02-Oct-19	08-Oct-19	15-Jan-20	20-Jan-20	-87	100%	0%															
5219	RDE_L14_Z02_BoH - Lobbies & Corr Ceiling Rods/ Grids	4	02-Oct-19	05-Oct-19	15-Jan-20	18-Jan-20	-87	100%	0%															
5212	RDE_L14_Z02_BoH - Door / Ironmong / Hose Reel Cabs	7	24-Oct-19	31-Oct-19	11-Feb-20	18-Feb-20	-85	100%	0%															
5214	RDE_L14_Z02_BoH - Misc Metal Works / Access Panels	6	24-Oct-19	30-Oct-19	11-Feb-20	17-Feb-20	-85	100%	0%															
5220	RDE_L14_Z02_BoH - Lobbies & Corr Close ceiling (board) incl. Cut-Outs	4	31-Oct-19	04-Nov-19	11-Feb-20	14-Feb-20	-79	100%	0%															
5224	RDE_L14_Z02_BoH - MEP final fix	12	04-Nov-19	16-Nov-19	11-Feb-20	24-Feb-20	-76	100%	0%															
5223	RDE_L14_Z02_BoH - Wall epoxy/ emulsion paint final coat	3	05-Nov-19	07-Nov-19	15-Feb-20	18-Feb-20	-79	100%	0%															
5221	RDE_L14_Z02_BoH - Floor sealer	2	07-Nov-19	08-Nov-19	18-Feb-20	19-Feb-20	-79	100%	0%															
5213	RDE_L14_Z02_BoH - All Other Finishes / Make Good & Clean	12	11-Nov-19	23-Nov-19	10-Mar-20	23-Mar-20	-94	100%	0%															
Toilets - RDE_L14_Z03																								
5238	RDE_L14_Z03_Toilet - Conc kerbs, steel posts & block wall	12	22-Jun-19	05-Jul-19	04-Nov-19 A	14-Dec-19	-136	100%	40%															
5235	RDE_L14_Z03_Toilet - W'proof/Testing & Protective Screed	7	05-Aug-19	12-Aug-19	11-Dec-19	18-Dec-19	-107	100%	0%															
5239	RDE_L14_Z03_Toilet - MEP 1st fix Block Wall	8	09-Aug-19	17-Aug-																				

Lyric Theatre Complex

Activity ID	Activity Name	Start Date	Finish Date	2019				2020			
				Dec 24	Jan 25	Feb 26	Mar 27	Dec 24	Jan 25	Feb 26	Mar 27
L1 Contract for Lyric Theatre Complex (3MRP)											
Cost Centre B - Excavation and Lateral Support (ELS) Stage 2											
Excavation and ELS Works (Stage 2)											
CB161030	[South - Area 1 & 2] Excavate South / West Soil Berm to -12.4mPD (18,145 cu.m)	27-Nov-19A	03-Feb-20	[Actual Work]				[Critical Remaining Work]			
CB161040	[South - Area 1 & 2] Pile Head Treatment at South / West (22 nr BP)	12-Dec-19A	17-Feb-20	[Actual Work]				[Critical Remaining Work]			
CB161060	[South - Area 1 & 2] Excavate East Soil Berm to -12.0mPD (9,750 cu.m)	06-Jan-20	29-Jan-20	[Critical Remaining Work]				[Critical Remaining Work]			
CB161070	[South - Area 1 & 2] Install 6th Layer of Strut S6	13-Jan-20	05-Feb-20	[Critical Remaining Work]				[Critical Remaining Work]			
CB161100	[South - Area 1 & 2] Excavate East Berm to Formation Level -14.2mPD (4,750 cu.m)	30-Jan-20	19-Feb-20	[Critical Remaining Work]				[Critical Remaining Work]			
CB161200	[South - Area 1 & 2] Pile Head Treatment at East (14 nr BP)	10-Feb-20	29-Feb-20	[Critical Remaining Work]				[Critical Remaining Work]			
CB161210	[South/North] BA14 Completion of ELS - BD Submission & Acknowledgement	19-Feb-20	25-Feb-20	[Critical Remaining Work]				[Critical Remaining Work]			
Cost Centre C - Basement											
Cost Centre C1 - Essential Basement Structure (Excl. AET Protection & Box Culvert)											
CC102420	[Area 6 - L06] Construct B1-B1M Columns & Structural Walls	10-Dec-18A	11-Jan-20	[Actual Work]				[Critical Remaining Work]			
CC102430	[Area 6 - L06] Construct B1M Beam & Slab	14-Jan-19A	18-Jan-20	[Actual Work]				[Critical Remaining Work]			
CC102510	[Area 6 - L06] Construct B1M-GF Columns & Structural Walls	13-May-19A	31-Jan-20	[Actual Work]				[Critical Remaining Work]			
CC101500	[North - L04] Construct Pile Cap / B2 Slab at -9.6mPD	22-Jun-19A	07-Dec-19A	[Actual Work]				[Critical Remaining Work]			
CC100420	[South - L01] Construct Central B2-B1 Columns & Structural Walls	02-Oct-19A	01-Feb-20	[Actual Work]				[Critical Remaining Work]			
CC101700	[North - L04] Construct B2-B1 Columns & Structural Walls	07-Nov-19A	21-Feb-20	[Actual Work]				[Critical Remaining Work]			
CC100440	[South - L01] Construct Central B1 Beam & Slab	04-Dec-19A	22-Feb-20	[Actual Work]				[Critical Remaining Work]			
CC101600	[North - L04] Remove Strut Layer S4	07-Dec-19A	21-Jan-20	[Actual Work]				[Critical Remaining Work]			
CC101780	[North - L04] Construct B1 Beam & Slab	30-Jan-20	25-Mar-20	[Critical Remaining Work]				[Critical Remaining Work]			
CC100510	[South - L01] Construct B1-B1M Central Columns & Structural Walls	03-Feb-20	21-Mar-20	[Critical Remaining Work]				[Critical Remaining Work]			
CC100210	[South - L01] Blinding Layer for Pile Cap / B2 Slab at South / West	06-Feb-20	26-Feb-20	[Critical Remaining Work]				[Critical Remaining Work]			
CC100220	[South - L01] Construct South / West Pile Cap / B2 Slab at -12.4mPD	08-Feb-20	18-Mar-20	[Critical Remaining Work]				[Critical Remaining Work]			
CC100290	[South - L01] Blinding Layer for Pile Cap / B2 Slab at East	24-Feb-20	07-Mar-20	[Critical Remaining Work]				[Critical Remaining Work]			
CC100520	[South - L01] Construct B1M Central Beam & Slab	24-Feb-20	16-Apr-20	[Critical Remaining Work]				[Critical Remaining Work]			
CC100300	[South - L01] Construct East Pile Cap / B2 Slab at -14.2mPD	04-Mar-20	06-Apr-20	[Critical Remaining Work]				[Critical Remaining Work]			
CC101800	[North - L04] Remove Strut Layer S3 & S2	16-Mar-20	23-Apr-20	[Critical Remaining Work]				[Critical Remaining Work]			
CC100400	[South - L01] Remove Strut Layer S6 & S4	19-Mar-20	27-Apr-20	[Critical Remaining Work]				[Critical Remaining Work]			
CC100560	[South - L01] Construct B1M-GF Central Columns & Structural Walls	23-Mar-20	16-May-20	[Critical Remaining Work]				[Critical Remaining Work]			

Activity ID	Activity Name	Start Date	Finish Date	2019				2020					
				Dec 24	Jan 25	Feb 26	Mar 27	Dec 24	Jan 25	Feb 26	Mar 27		
Cost Centre D - Public Infrastructure Works (PIW)													
Cost Centre D2 - Austin Road West Lay-by													
Cost Centre D2.1 Roadworks and Remaining													
MC30-Ch.170 to MC30-Ch.150													
CD210730	MC30-Ch170-150: Roadworks & Footpath	30-Jan-19A	21-Jan-20										
CD210750	MC30-Ch170-150: Install Street Furniture & Lighting	22-Jan-20	14-Feb-20										
MC30-Ch.150 to MC30-Ch.100													
CD210630	MC30-Ch150-100: Roadworks & Footpath	13-Feb-19A	31-Jan-20										
CD210650	MC30-Ch150-100: Install Street Furniture & Lighting	15-Feb-20	06-Mar-20										
MC30-Ch.100 to MC30-Ch.50													
CD210530	MC30-Ch100-50: Roadworks & Footpath	11-Jul-19A	31-Jan-20										
CD210535	MC30-Ch100-50: Maintenance Staircase	08-Jan-20	31-Jan-20										
CD210550	MC30-Ch100-50: Install Street Furniture & Lighting	07-Mar-20	27-Mar-20										
MC30-Ch.50 to MC30-Ch.00													
CD210420	MC30-Ch50-00: DN450 Freshwater (0+64 - 0+14)	14-Mar-19A	04-Feb-20										
CD210425	MC30-Ch50-00: DN450 Salt Water (0+062 - 0+12)	14-Mar-19A	04-Feb-20										
CD210430	MC30-Ch50-00: Roadworks & Footpath	13-Feb-20	30-Mar-20										
CD210450	MC30-Ch50-00: Install Street Furniture & Lighting	31-Mar-20	24-Apr-20										
MC20-Ch.140 to MC20-Ch.100													
CD210310	MC20-Ch140-100: Road Drainage (WL1.12 to WL1.9)	06-Jun-19A	11-Feb-20										
CD210320	MC20-Ch140-100: DN450 Freshwater (0+14 - 0+00)	12-Feb-20	25-Feb-20										
CD210325	MC20-Ch140-100: DN450 Salt Water (0+12 - 0+00)	12-Feb-20	25-Feb-20										
CD210330	MC20-Ch140-100: Roadworks & Footpath	31-Mar-20	18-May-20										
Cost Centre D2.2 Drainage													
MC20-Ch.140 to MC20-Ch.00													
CD220190	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1B) - 30m	02-Jul-19A	04-Feb-20										
CD230200	MC20-Ch140-00: 1800mm dia Drainage (SF1.1 to SF1.1A) - 35m	16-Mar-20	09-May-20										
Cost Centre E - Miscellaneous Works													
Cost Centre E2 - External Utilities													
Cost Centre E2.1 - External Utilities - Drainage													
CE210310	N: Install 450mm dia Storm Drainage (DMH1.7 to DMH1.2) - 49m	22-Nov-19A	07-Feb-20										

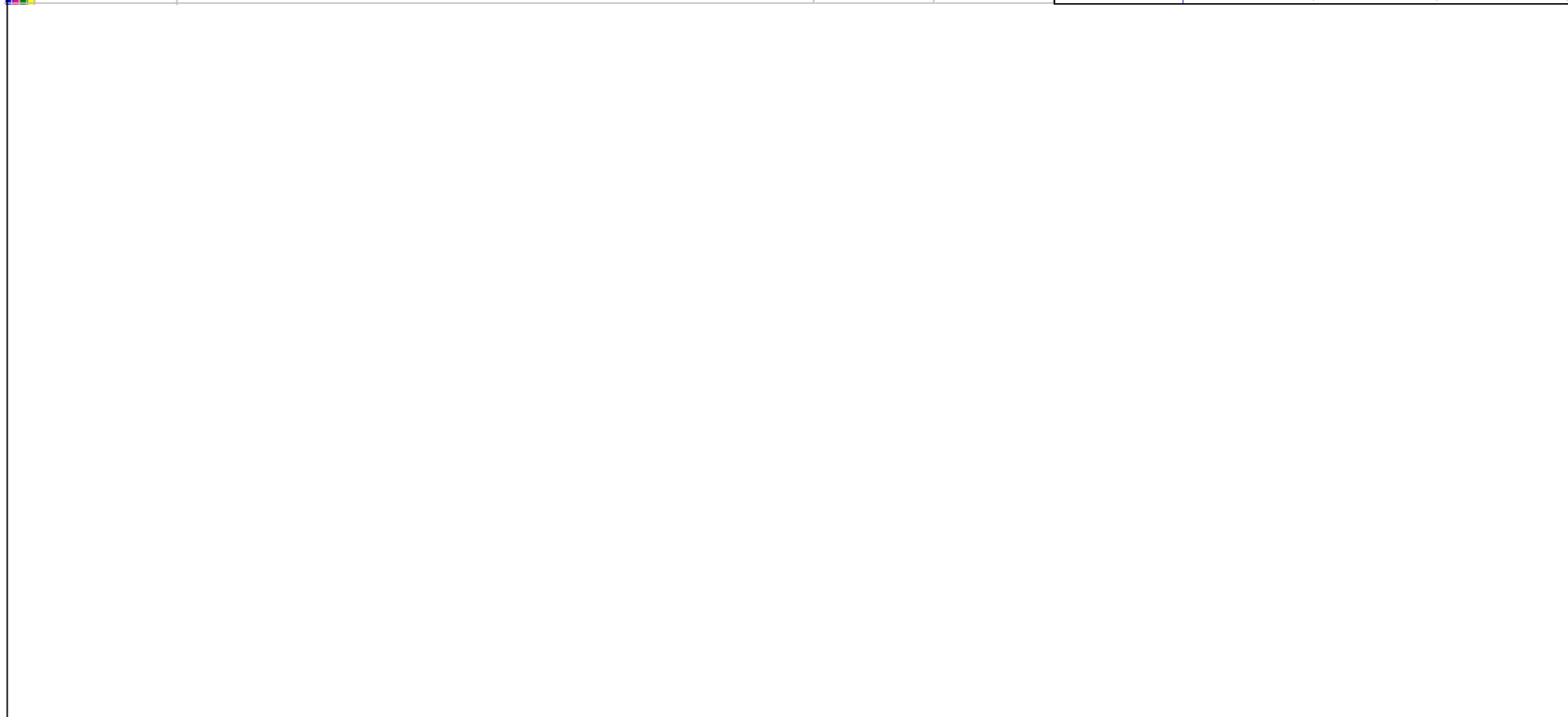
Remaining Work
 Critical Remaining Work
 Actual Work
 Milestone

Project ID: L13MRP-20191231
 Layout: L1-3MRP (Env)
 Page: 2 of 3

West Kowloon Cultural District Authority
L1 Contract for Lyric Theatre Complex & Extended Basement
Three Month Rolling Programme (3MRP) - Status as of 31 Dec 2019



Activity ID	Activity Name	Start Date	Finish Date	2019				2020											
				Dec				Jan				Feb				Mar			
				24				25				26				27			
CE210320	N: Install 600mm dia Storm Drainage (DMH1.2 to DMH1.2A) - 21m	08-Feb-20	06-Mar-20																
CE210510	N: Install 300mm dia Sewerage (SMH1.2 to F1.2) - 9m	08-Feb-20	28-Feb-20																
CE210520	N: Install 300mm dia Sewerage (SMH1.3 to SMH1.3A) - 20m	29-Feb-20	20-Mar-20																
CE210330	N: Install 300mm dia Storm Drainage (DMH1.5 to DMH1.2) - 5m	07-Mar-20	20-Mar-20																
CE210340	N: Install 450mm dia Storm Drainage (DMH1.1 to DMH1.2) - 3m	07-Mar-20	20-Mar-20																
CE210410	N: Install 600mm dia Storm Drainage (DMH1.2A to DMH1.3) - 10m	21-Mar-20	03-Apr-20																
CE210530	N: Install 300mm dia Sewerage (SMH1.3A to F1.3) - 12m	21-Mar-20	15-Apr-20																



C. Action and Limit Levels for Construction Phase

Air Quality

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

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

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

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

Monitoring Station	Action Level (µg/m ³)	Limit Level (µg/m ³)
AM1	143.6	260
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 documented complaint is received from any one of the sensitive receivers	75 dB(A)

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

Air Quality

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

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

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

Event**Action**

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

Construction Noise

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

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

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

Landscape and Visual Impact

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

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

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

E. Monitoring Schedule

DECEMBER 2019

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	4 L1 Landscape & Visual Inspection	5	6	7
8	9 AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	10 M+ Landscape & Visual Inspection	11	12	13 AM1, AM2B - 24hrTSP, 1hr TSP x3	14
15	16	17	18 AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring L1 Landscape & Visual Inspection	19	20	21
22	23	24 AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring M+ Landscape & Visual Inspection	25	26	27	28
29	30 AM1, AM2B - 24hrTSP, 1hr TSP x3 NM1A - Noise Impact Monitoring	31				
		Notes: AM1 - International Commerce Centre (ICC) AM2B - 1st Floor of Gammon's Site Office NM1A - International Commerce Centre (ICC)				

JANUARY 2020

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

F. Calibration Certifications

High-Volume TSP Sampler
5-Point Calibration Record

Location : AM1(ICC)
 Calibrated by : K.T.Ho
 Date : 04/10/2019

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

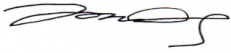
Pa (hpa) : 1014
 Ta(K) : 300

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1 18 holes	10.2	3.185	1.552	60	59.83
2 13 holes	7.6	2.749	1.342	50	49.86
3 10 holes	6.0	2.443	1.194	40	39.89
4 7 holes	3.8	1.944	0.953	26	25.93
5 5 holes	2.4	1.545	0.760	16	15.95

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): 56.553 Intercept(b): -27.312 Correlation Coefficient(r): 0.9990

Checked by: 
 Magnum Fan

Date: 08/10/2019

High-Volume TSP Sampler
5-Point Calibration Record

Location : AM1(ICC)
 Calibrated by : K.T.Ho
 Date : 04/12/2019

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

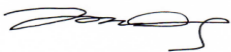
Pa (hpa) : 1023
 Ta(K) : 292

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1 18 holes	11.4	3.428	1.669	58	58.88
2 13 holes	8.5	2.960	1.443	46	46.70
3 10 holes	6.6	2.608	1.274	42	42.64
4 7 holes	4.6	2.177	1.066	30	30.46
5 5 holes	2.8	1.699	0.834	18	18.27

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): 47.795 Intercept(b): -20.702 Correlation Coefficient(r): 0.9951

Checked by: 
 Magnum Fan

Date: 07/12/2019

High-Volume TSP Sampler
5-Point Calibration Record

Location : AM2B (Gammon Office)
 Calibrated by : K.T.Ho
 Date : 20/11/2019

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

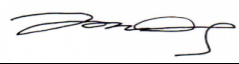
Pa (hpa) : 1023
 Ta(K) : 292

Resistance Plate	dH [green liquid] (inch water)	Z	X=Qstd (cubic meter/min)	IC (chart)	Y (corrected)
1 18 holes	12.6	3.604	1.754	62	62.94
2 13 holes	9.4	3.113	1.517	50	50.76
3 10 holes	7.2	2.724	1.330	40	40.61
4 7 holes	4.6	2.177	1.066	34	34.52
5 5 holes	3.0	1.758	0.863	22	22.33

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): 47.432 Intercept(b): -18.850 Correlation Coefficient(r): 0.9950

Checked by: 

 Magnum Fan

Date: 23/11/2019



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
QSTD	m= 2.07076		QA	m= 1.29667	
	b= -0.02917			b= -0.01797	
	r= 1.00000			r= 1.00000	

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



ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

SUB-CONTRACTING REPORT

CONTACT	: MR K.W. FAN	WORK ORDER	: HK1907876
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	: 22-FEB-2019
		DATE OF ISSUE	: 7-MAR-2019
PROJECT	: ----	NO. OF SAMPLES	: 1
		CLIENT ORDER	: ----

General Comments

- Sample(s) were received in ambient condition.
- Sample(s) analysed and reported on as received basis.
- 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

General Manager

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 : HK1907876
SUB-BATCH : 1
CLIENT : ENVIROTECH SERVICES CO.
PROJECT : ----



ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK1907876-001	S/N: 456668	Equipments	22-Feb-2019	S/N: 456668

Equipment Verification Report (TSP)

Equipment Calibrated:

Type: Laser Dust monitor
 Manufacturer: Sibata LD-3B
 Serial No. 456668
 Equipment Ref: Nil
 Job Order HK1907876

Standard Equipment:

Standard Equipment: Higher Volume Sampler
 Location & Location ID: AUES office (calibration room)
 Equipment Ref: HVS 018
 Last Calibration Date: 12 February 2019

Equipment Verification Results:

Testing Date: 4 March 2019

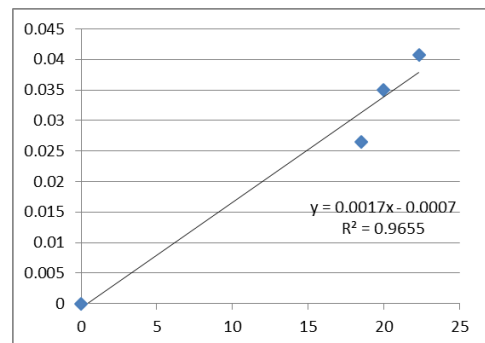
Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in mg/m ³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
2hr13min	09:10 ~ 11:23	20.9	1013.7	0.035	2659	20.0
2hr01min	11:30 ~ 13:31	20.9	1013.7	0.026	2241	18.5
2hr01min	13:40 ~ 15:41	20.9	1013.7	0.041	2688	22.3

Linear Regression of Y or X

Slope (K-factor): 0.0017

Correlation Coefficient 0.9826

Date of Issue 7 March 2019



Remarks:

- Strong** Correlation ($R > 0.8$)
- Factor 0.0017 should be applied for TSP monitoring

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

Operator : Fai So Signature :  Date : 7 March 2019

QC Reviewer : Ben Tam Signature :  Date : 7 March 2019



ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

SUB-CONTRACTING REPORT

CONTACT	: MR K.W. FAN	WORK ORDER	: HK1907875
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	: 22-FEB-2019
		DATE OF ISSUE	: 7-MAR-2019
PROJECT	: ----	NO. OF SAMPLES	: 1
		CLIENT ORDER	: ----

General Comments

- Sample(s) were received in ambient condition.
- Sample(s) analysed and reported on as received basis.
- 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

General Manager

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 : HK1907875
SUB-BATCH : 1
CLIENT : ENVIROTECH SERVICES CO.
PROJECT : ----



ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK1907875-001	S/N: 276019	Equipments	22-Feb-2019	S/N: 276019

Equipment Verification Report (TSP)

Equipment Calibrated:

Type: Laser Dust monitor
 Manufacturer: Sibata LD-3B
 Serial No. 276019
 Equipment Ref: Nil
 Job Order HK1907875

Standard Equipment:

Standard Equipment: Higher Volume Sampler
 Location & Location ID: AUES office (calibration room)
 Equipment Ref: HVS 018
 Last Calibration Date: 12 February 2019

Equipment Verification Results:

Testing Date: 4 March 2019

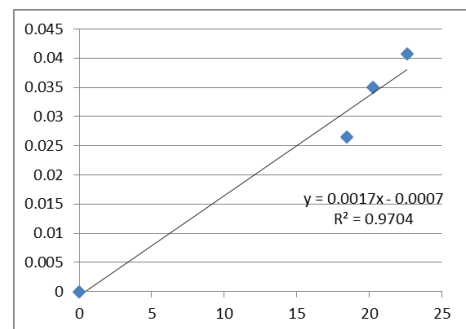
Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in mg/m ³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
2hr13min	09:10 ~ 11:23	20.9	1013.7	0.035	2699	20.3
2hr01min	11:30 ~ 13:31	20.9	1013.7	0.026	2235	18.4
2hr01min	13:40 ~ 15:41	20.9	1013.7	0.041	2723	22.6

Linear Regression of Y or X

Slope (K-factor): 0.0017

Correlation Coefficient 0.9851

Date of Issue 7 March 2019



Remarks:

1. **Strong** Correlation ($R > 0.8$)
2. Factor 0.0017 should be applied for TSP monitoring

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

Operator : Fai So Signature :  Date : 7 March 2019

QC Reviewer : Ben Tam Signature :  Date : 7 March 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.

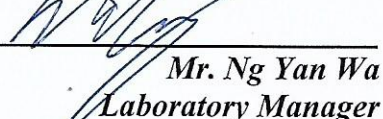
The test equipment used for calibration are traceable to National Standards via:

- 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



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

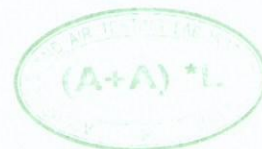
A-weighting

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

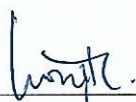
DATE OF TEST / 測試日期 : 26 May 2019

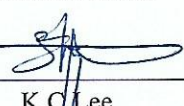
TEST RESULTS / 測試結果

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.

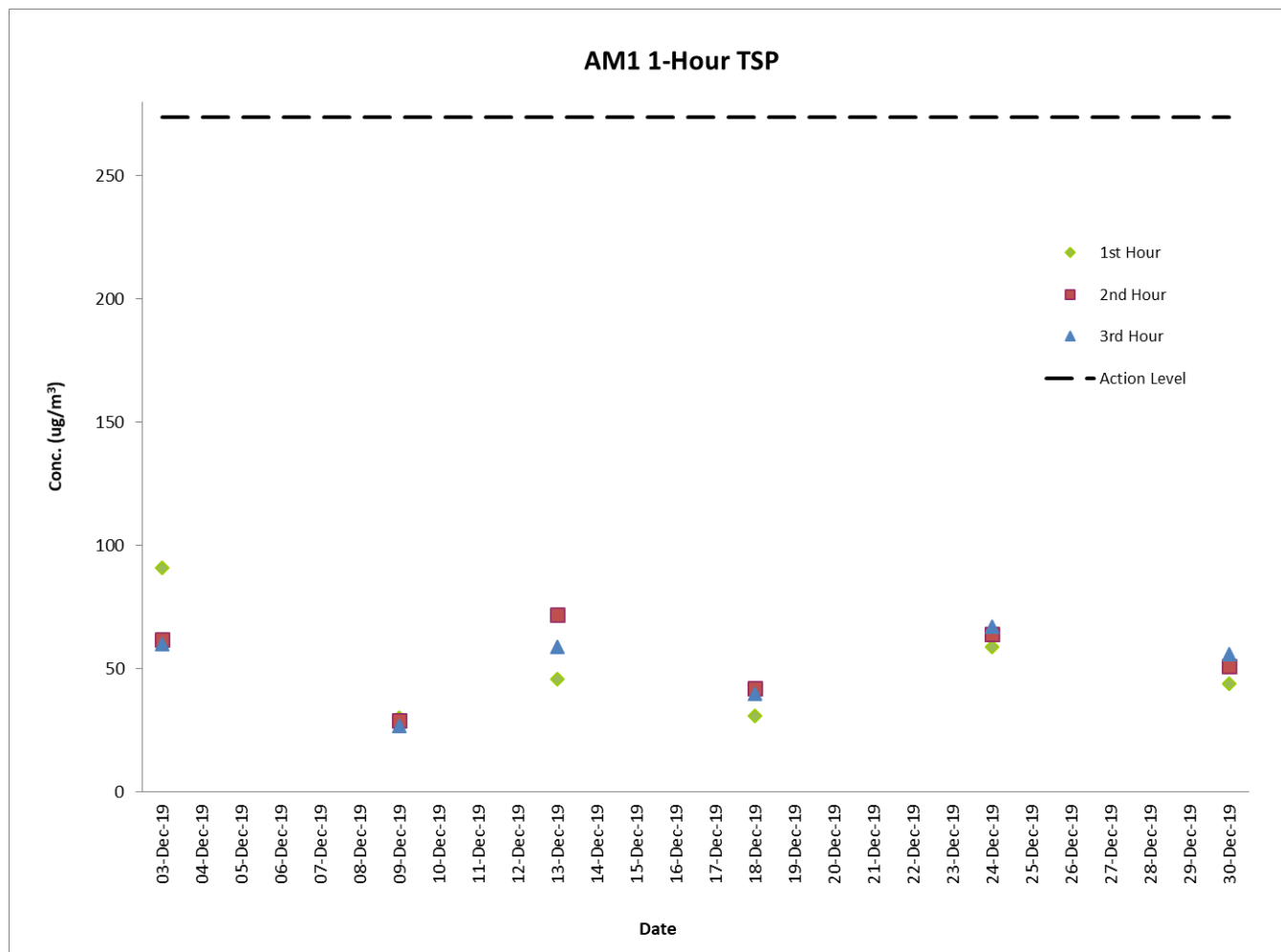
The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the 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 st Hour	2 nd Hour	3 rd Hour		
03-Dec-19	Sunny	13:19 - 16:19	91	62	60	273.7	500
09-Dec-19	Fine	13:59 - 16:59	30	29	27	273.7	500
13-Dec-19	Cloudy	8:12 - 11:12	46	72	59	273.7	500
18-Dec-19	Cloudy	7:50 - 10:50	31	42	40	273.7	500
24-Dec-19	Fine	8:21 - 11:21	59	64	67	273.7	500
30-Dec-19	Cloudy	8:15 - 11:15	44	51	56	273.7	500

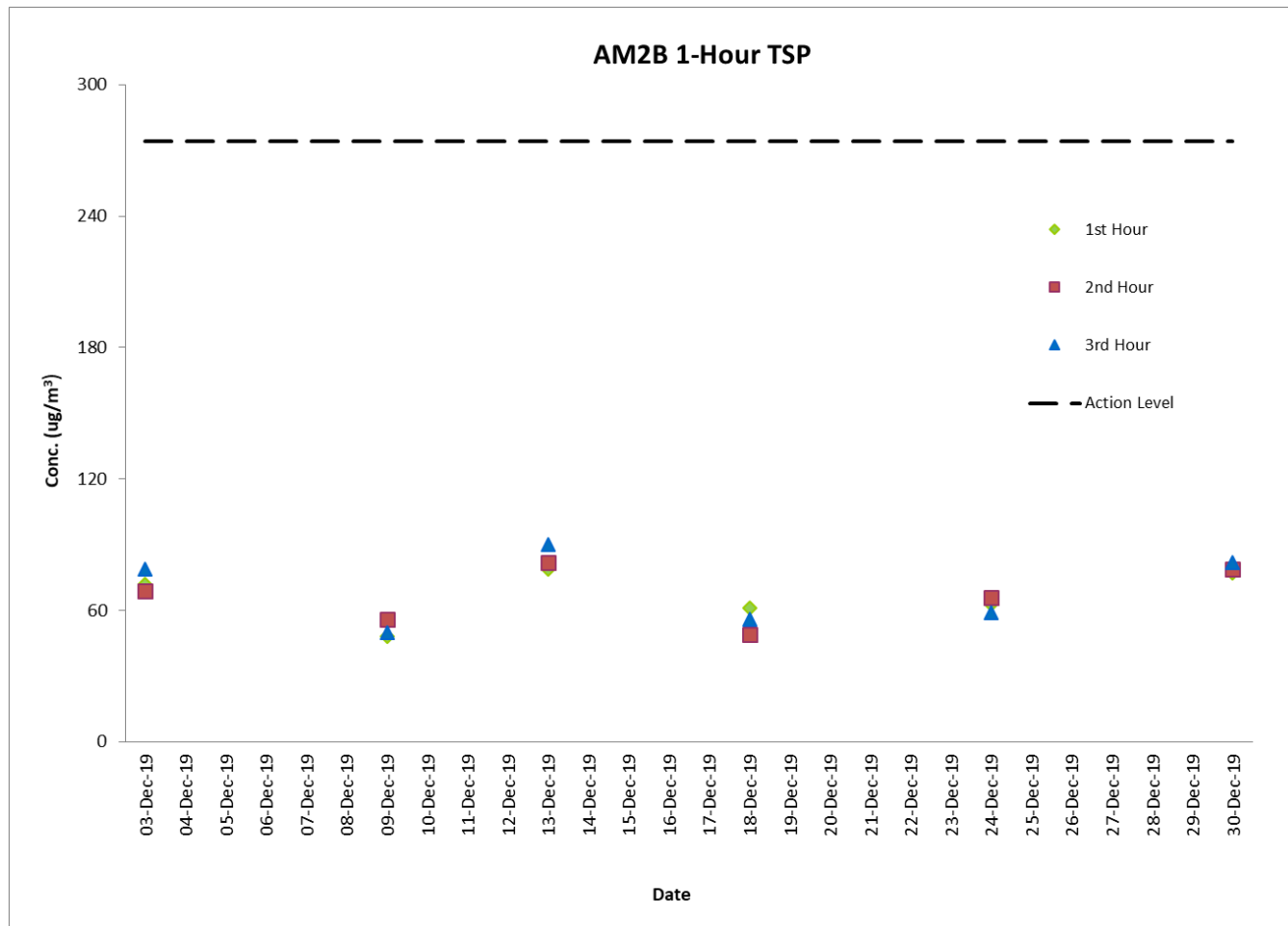
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (1-hour TSP)



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 st Hour	2 nd Hour	3 rd Hour		
03-Dec-19	Sunny	13:32 - 16:32	72	69	79	274.2	500
09-Dec-19	Fine	13:12 - 16:12	48	56	50	274.2	500
13-Dec-19	Cloudy	8:26 - 11:26	79	82	90	274.2	500
18-Dec-19	Cloudy	8:06 - 11:06	61	49	56	274.2	500
24-Dec-19	Fine	8:37 - 11:37	63	66	59	274.2	500
30-Dec-19	Cloudy	8:28 - 11:28	77	79	82	274.2	500

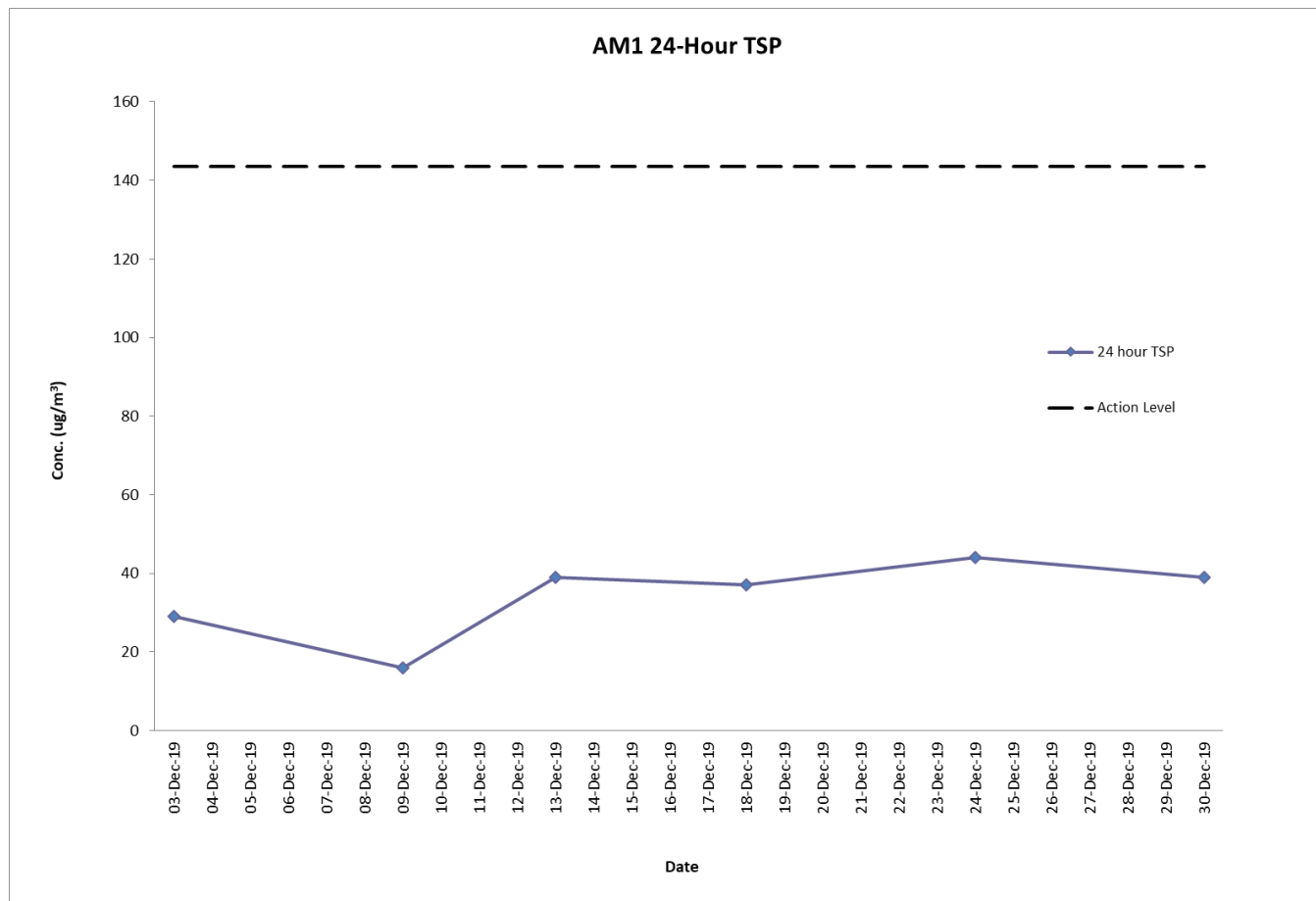
Graphical Presentation of Air Quality Monitoring Result at Station AM2B (1-hour TSP)



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

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m ³ /min)			Conc. (µg/m ³)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
03-Dec-19	8:17	04-Dec-19	8:17	2.7118	2.7659	21080.38	21104.38	24	1.31	1.31	1.31	29	Sunny	143.6	260
09-Dec-19	7:57	10-Dec-19	7:57	2.6982	2.7289	21104.38	21128.38	24	1.31	1.31	1.31	16	Fine	143.6	260
13-Dec-19	8:10	14-Dec-19	8:10	2.6986	2.7724	21128.38	21152.38	24	1.31	1.31	1.31	39	Cloudy	143.6	260
18-Dec-19	7:48	19-Dec-19	7:48	2.7084	2.7775	21152.38	21176.38	24	1.31	1.31	1.31	37	Cloudy	143.6	260
24-Dec-19	8:19	25-Dec-19	8:19	2.7096	2.7933	21176.38	21200.38	24	1.31	1.31	1.31	44	Fine	143.6	260
30-Dec-19	8:13	31-Dec-19	8:13	2.5884	2.6624	21200.38	21224.38	24	1.31	1.31	1.31	39	Cloudy	143.6	260

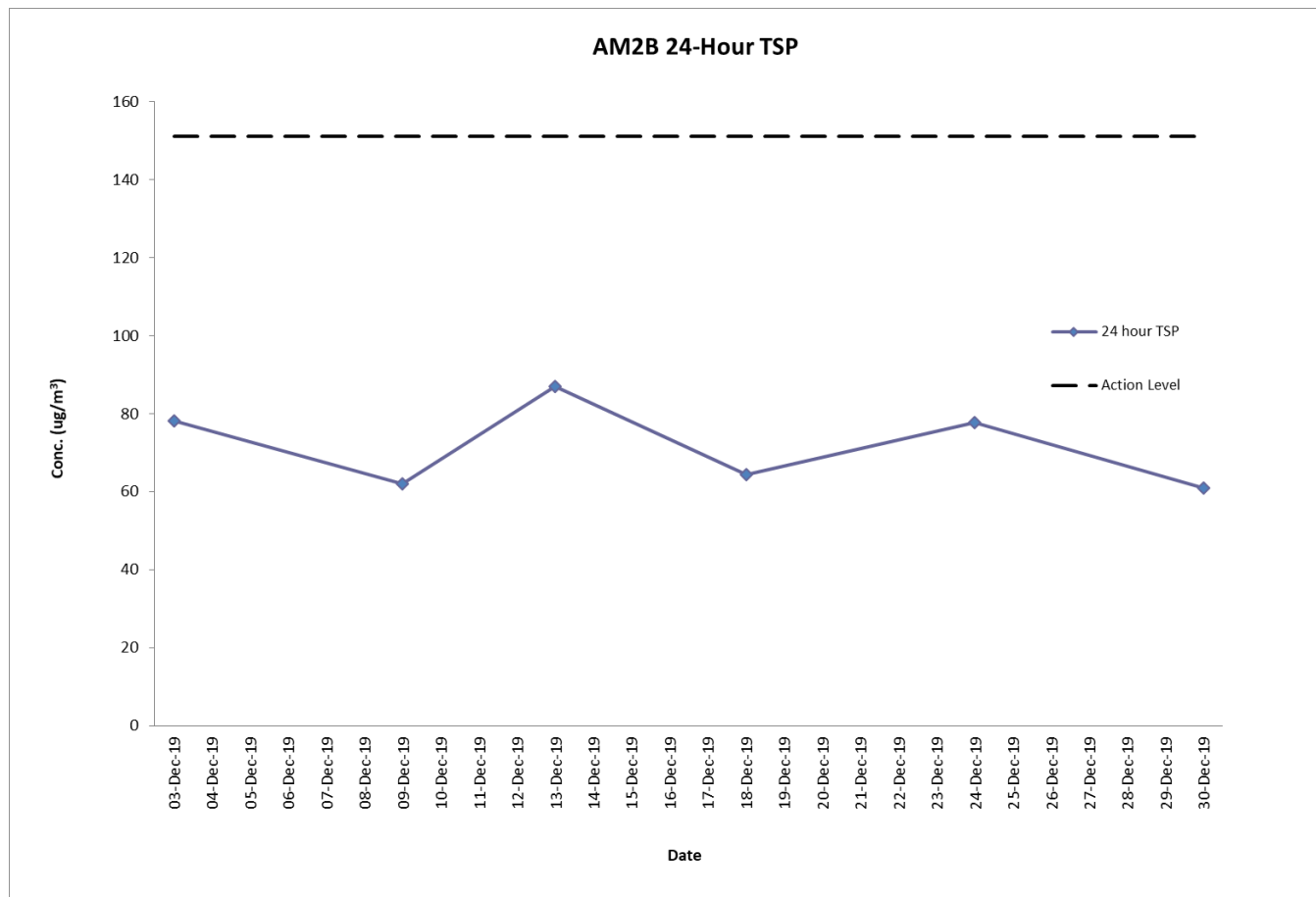
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)



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

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m ³ /min)			Conc. (µg/m ³)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
03-Dec-19	8:30	04-Dec-19	8:30	2.6916	2.8380	20635.05	20659.05	24	1.30	1.30	1.3	78	Sunny	151.1	260
09-Dec-19	8:10	10-Dec-19	8:10	2.6678	2.7838	20659.05	20683.05	24	1.30	1.30	1.3	62	Fine	151.1	260
13-Dec-19	8:24	14-Dec-19	8:24	2.6903	2.8530	20683.05	20707.05	24	1.30	1.30	1.3	87	Cloudy	151.1	260
18-Dec-19	8:04	19-Dec-19	8:04	2.7261	2.8466	20707.05	20731.05	24	1.30	1.30	1.3	64	Cloudy	151.1	260
24-Dec-19	8:35	25-Dec-19	8:35	2.5751	2.7207	20731.05	20755.05	24	1.30	1.30	1.3	78	Fine	151.1	260
30-Dec-19	8:30	31-Dec-19	8:30	2.5777	2.6917	20755.05	20779.05	24	1.30	1.30	1.3	61	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 ₁₀ , dB(A)	Measured L ₉₀ , dB(A)	L _{eq} (30 min.)*, dB(A)
03-Dec-19	10:35	68.4	64.7	69
03-Dec-19	10:40	66.7	62.9	
03-Dec-19	10:45	67.9	63.4	
03-Dec-19	10:50	69.0	65.0	
03-Dec-19	10:55	68.4	64.7	
03-Dec-19	11:00	68.7	64.2	
09-Dec-19	10:20	67.0	63.4	69
09-Dec-19	10:25	68.2	64.9	
09-Dec-19	10:30	66.7	62.7	
09-Dec-19	10:35	67.6	63.5	
09-Dec-19	10:40	68.4	64.3	
09-Dec-19	10:45	66.5	62.6	
18-Dec-19	10:14	66.8	62.6	69
18-Dec-19	10:19	67.0	63.7	
18-Dec-19	10:24	68.3	64.1	
18-Dec-19	10:29	68.5	64.3	
18-Dec-19	10:34	66.2	62.9	
18-Dec-19	10:39	67.5	63.8	
24-Dec-19	10:40	66.5	62.1	68
24-Dec-19	10:45	67.0	63.4	
24-Dec-19	10:50	68.4	64.5	
24-Dec-19	10:55	66.7	62.8	
24-Dec-19	11:00	66.0	62.7	
24-Dec-19	11:05	66.5	62.9	
30-Dec-19	10:38	66.0	62.4	69
30-Dec-19	10:43	67.8	63.3	
30-Dec-19	10:48	68.1	64.5	
30-Dec-19	10:53	68.6	64.2	
30-Dec-19	10:58	66.5	62.7	
30-Dec-19	11:03	67.6	63.5	

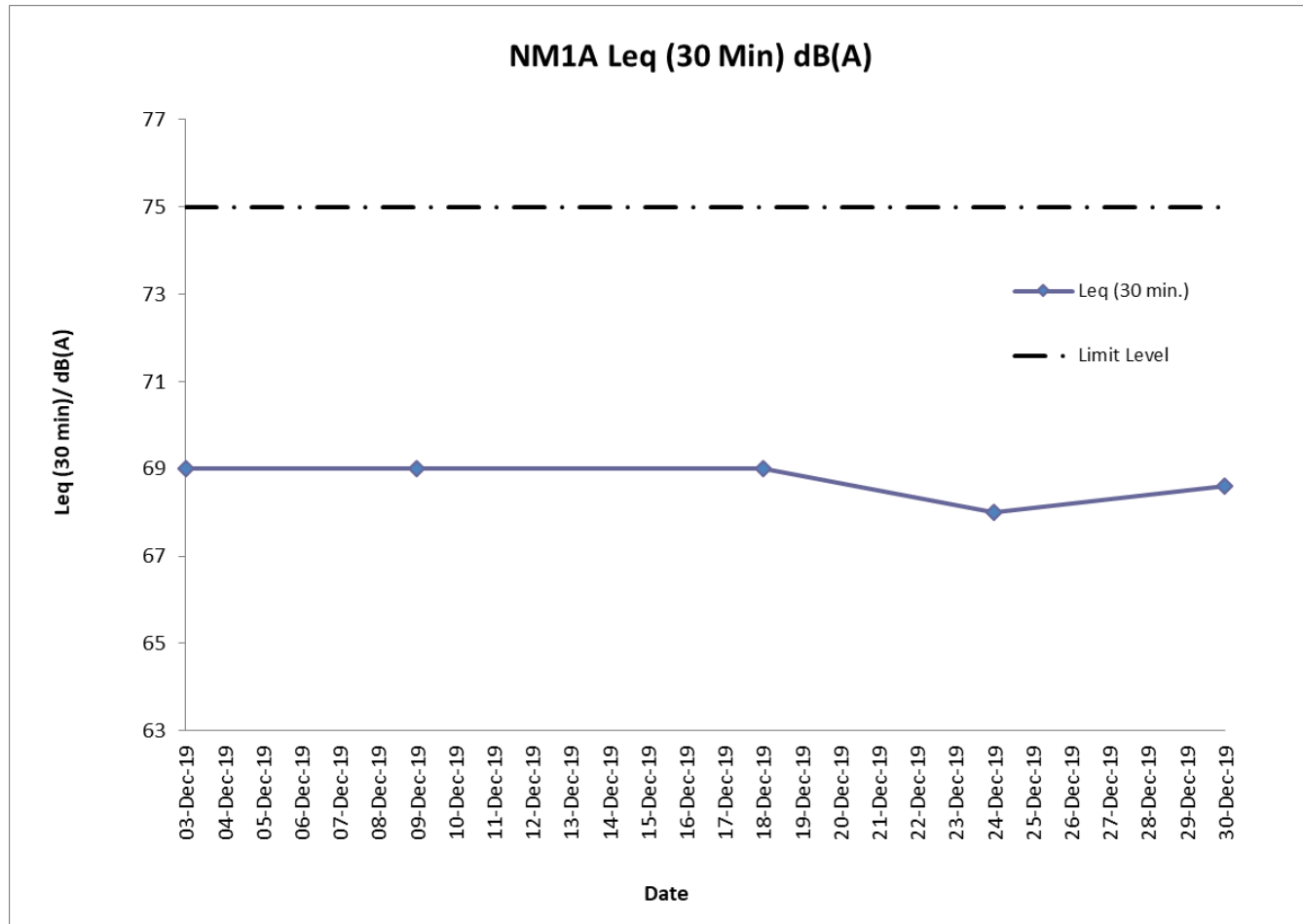
Remarks:

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



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

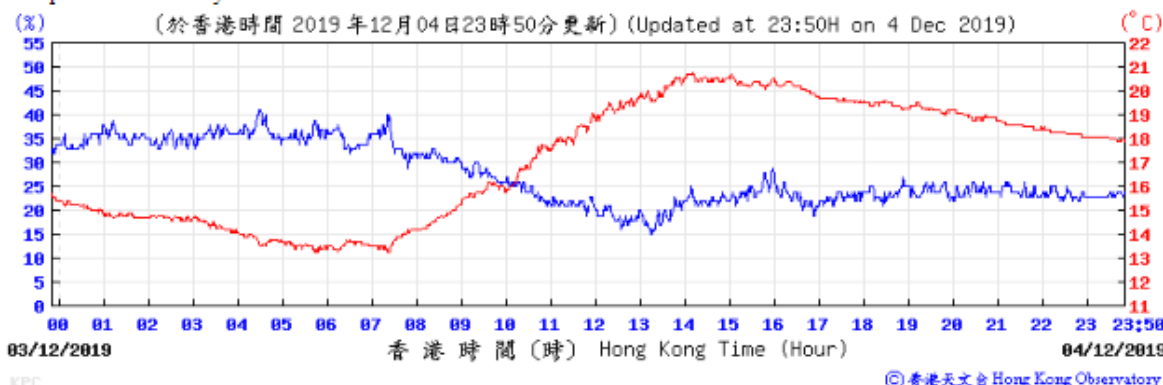
Graphical Presentation Noise Monitoring Result at Station NM1A



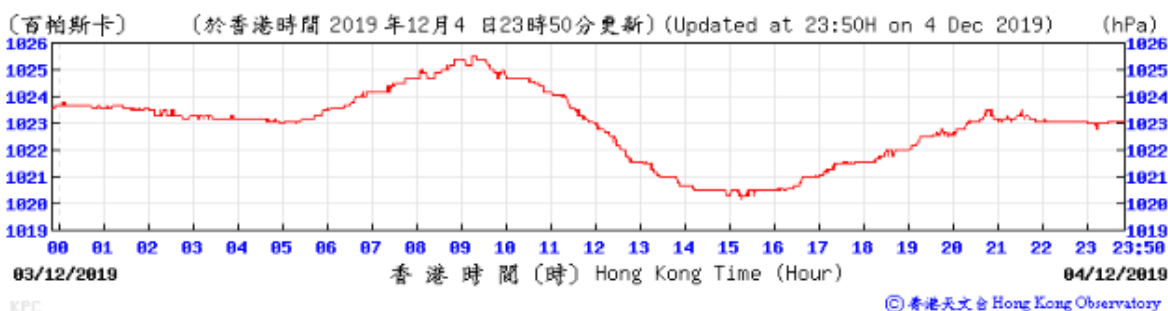
H. Meteorological Data Extracted from Hong Kong Observatory

Extract of Meteorological Observations for King's Park Automatic Weather Station, December 2019

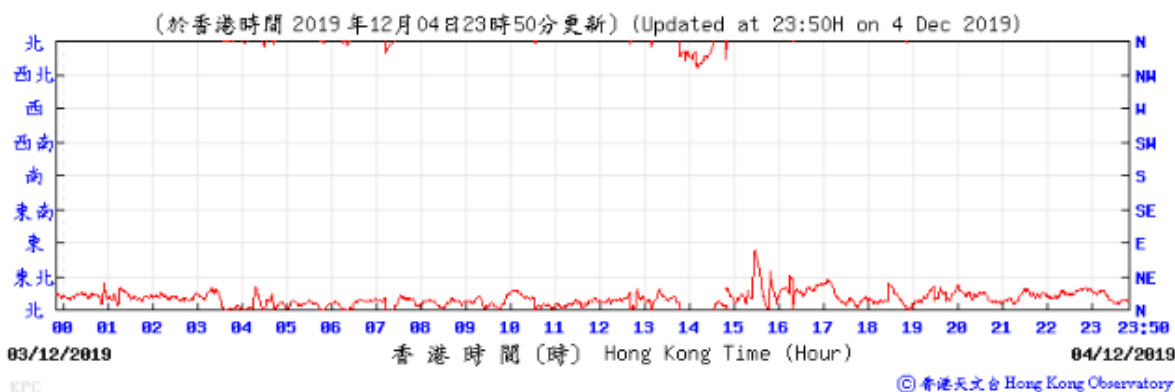
Temperature/Humidity:



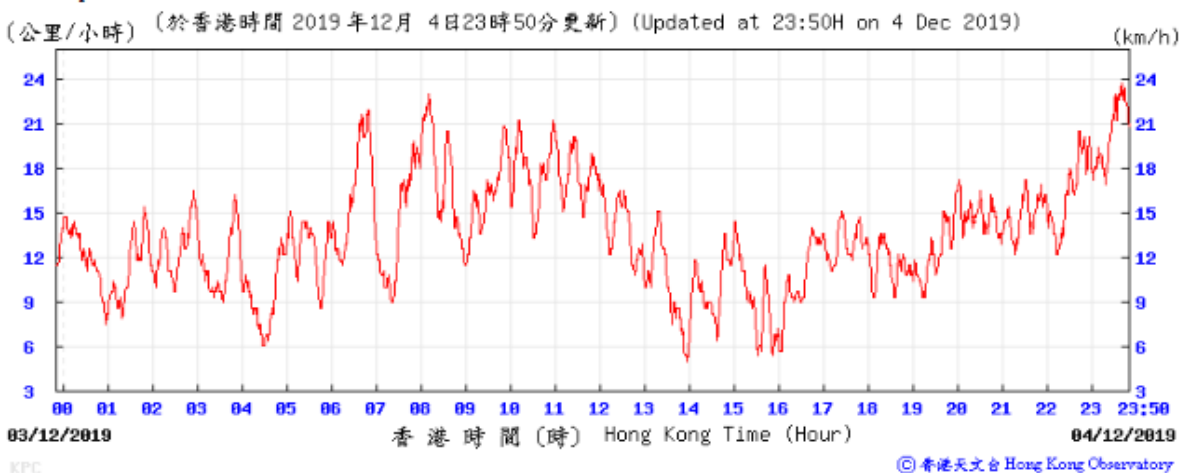
Pressure:



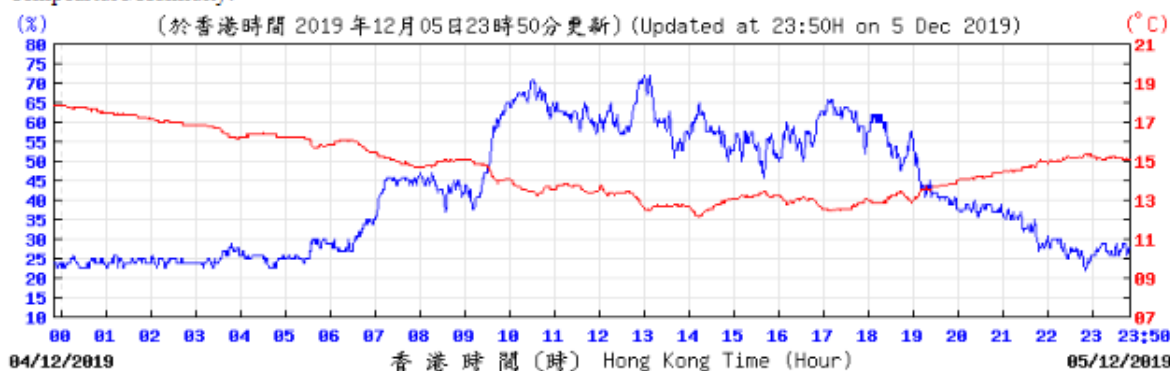
Wind Direction:



Wind Speed:

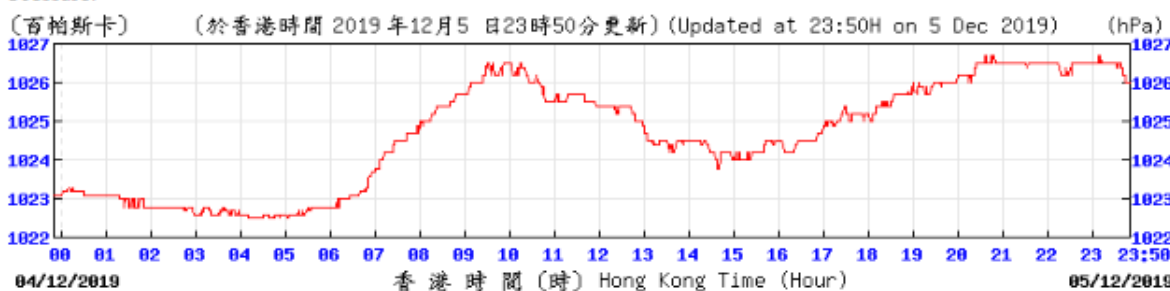


Temperature/Humidity:



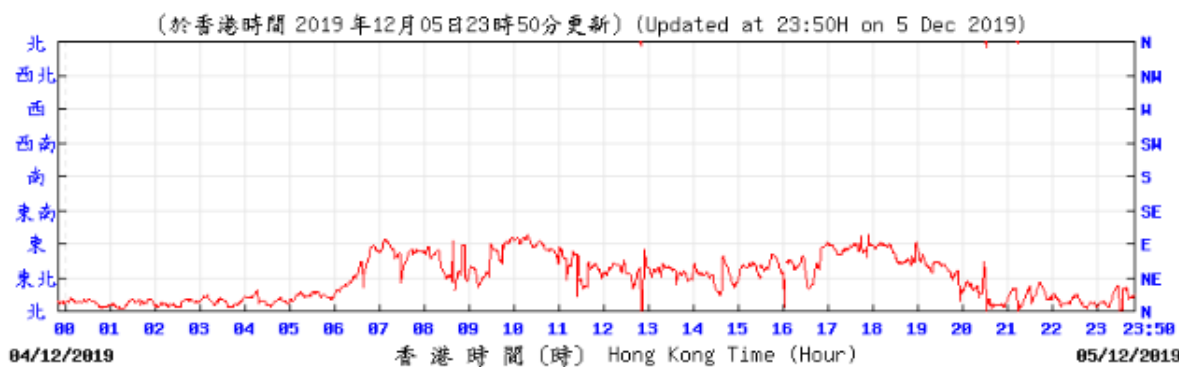
© 香港天文台 Hong Kong Observatory

Pressure:



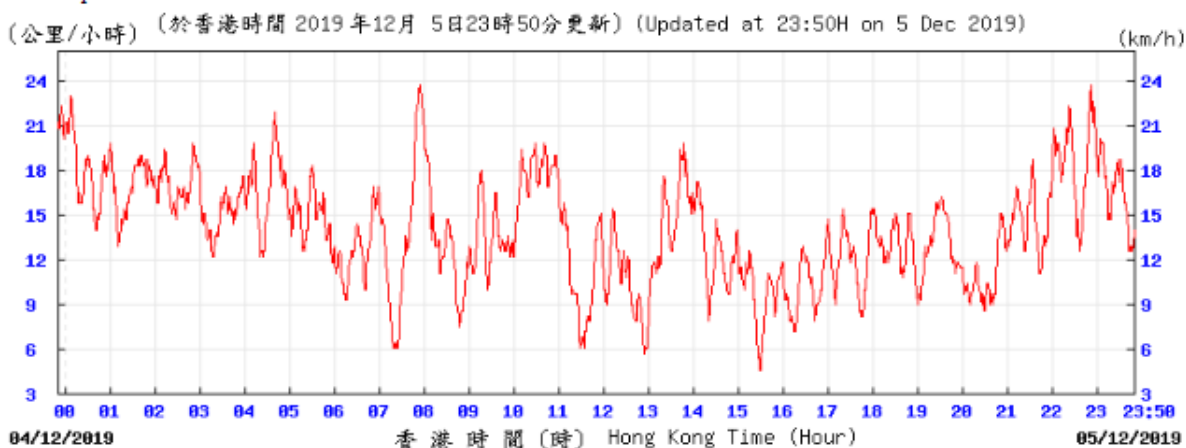
© 香港天文台 Hong Kong Observatory

Wind Direction:



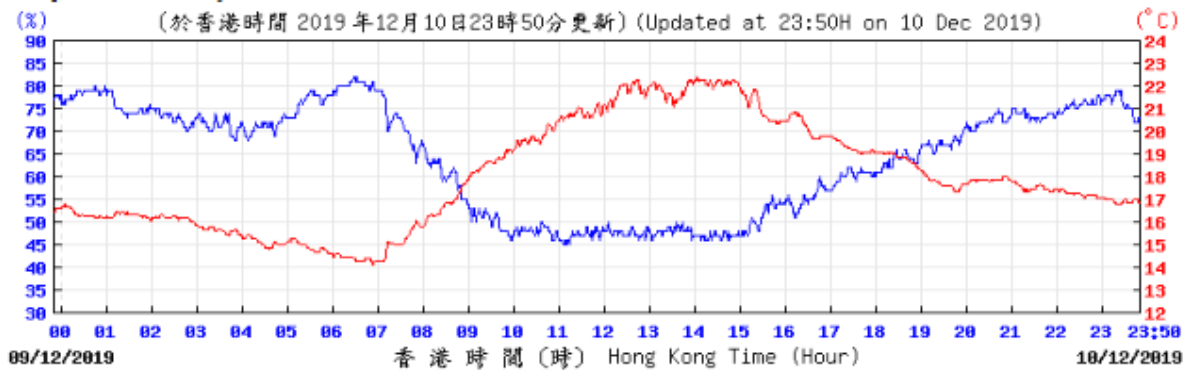
© 香港天文台 Hong Kong Observatory

Wind Speed:

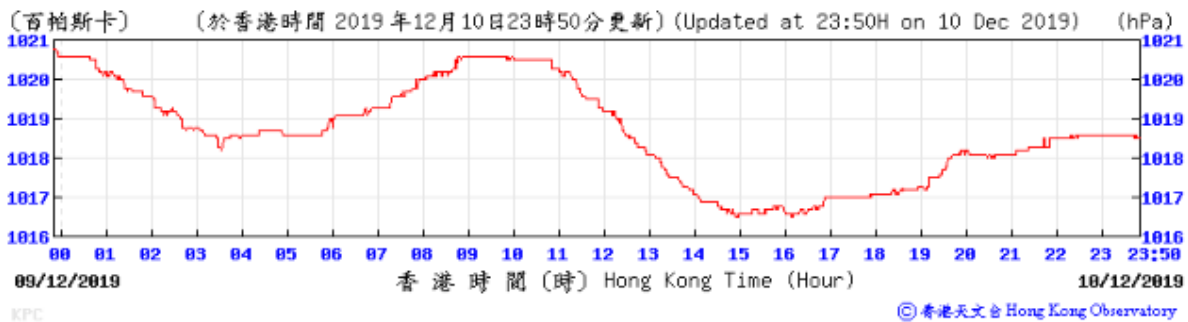


© 香港天文台 Hong Kong Observatory

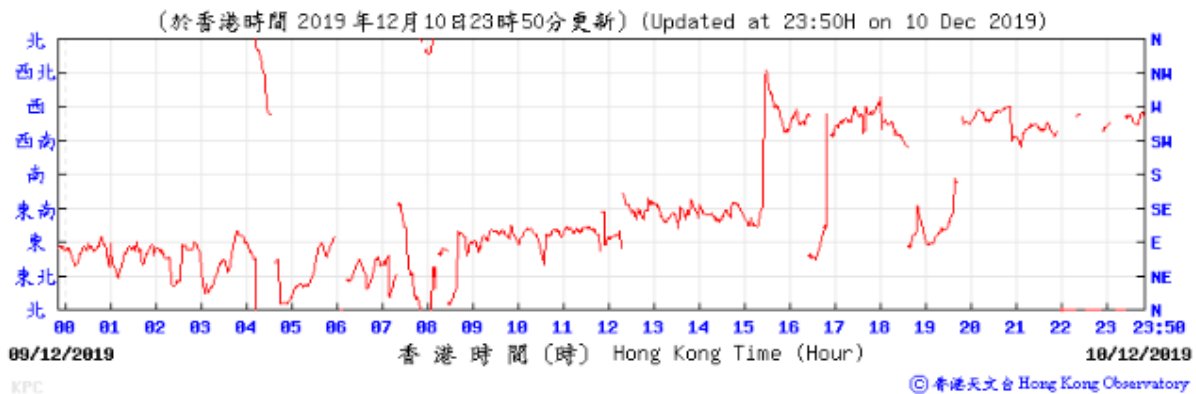
Temperature/Humidity:



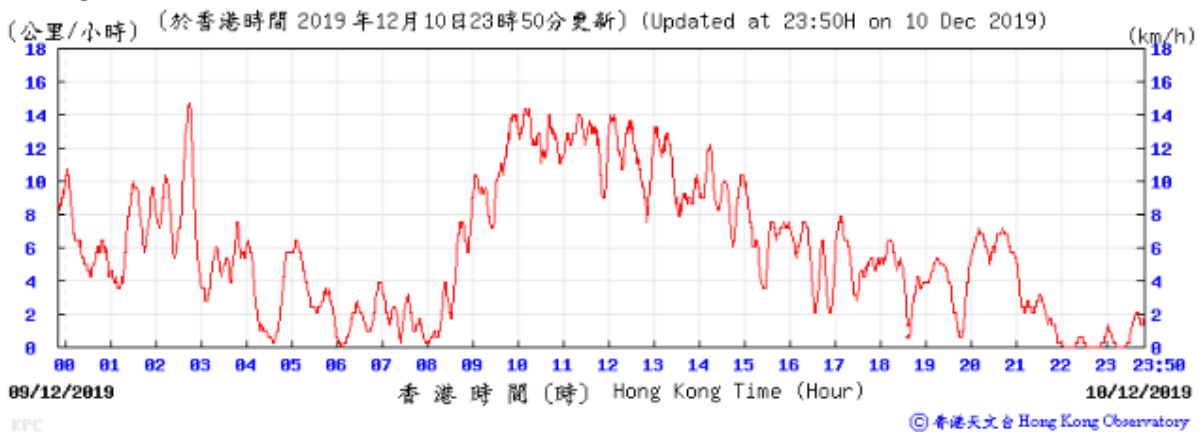
Pressure:



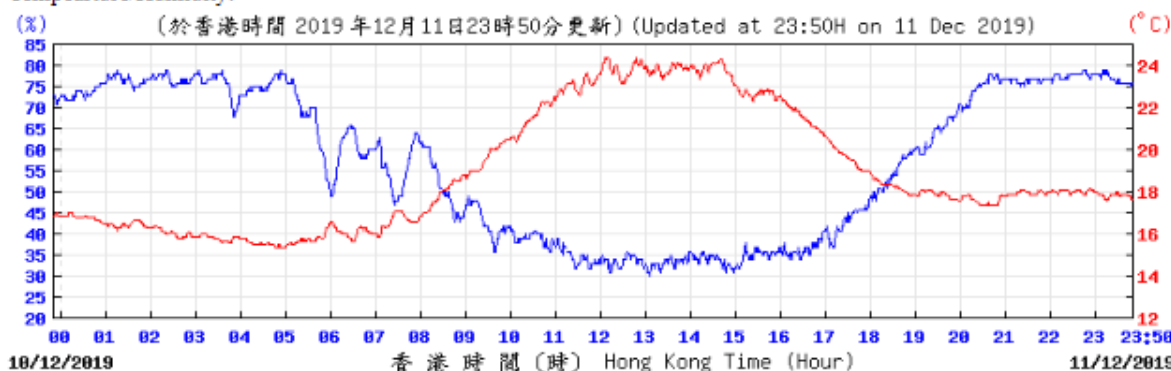
Wind Direction:



Wind Speed:

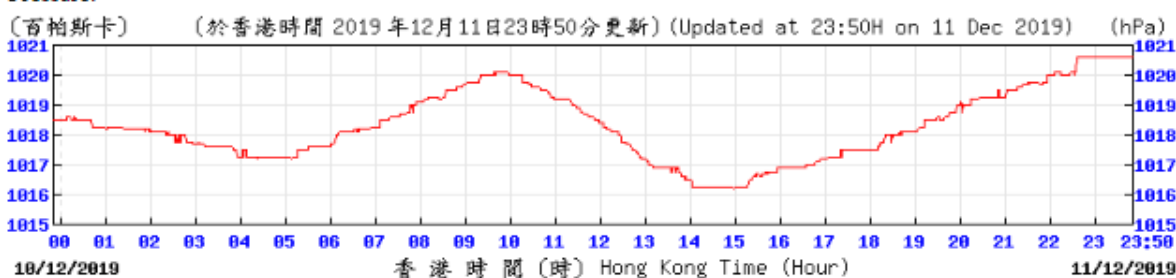


Temperature/Humidity:



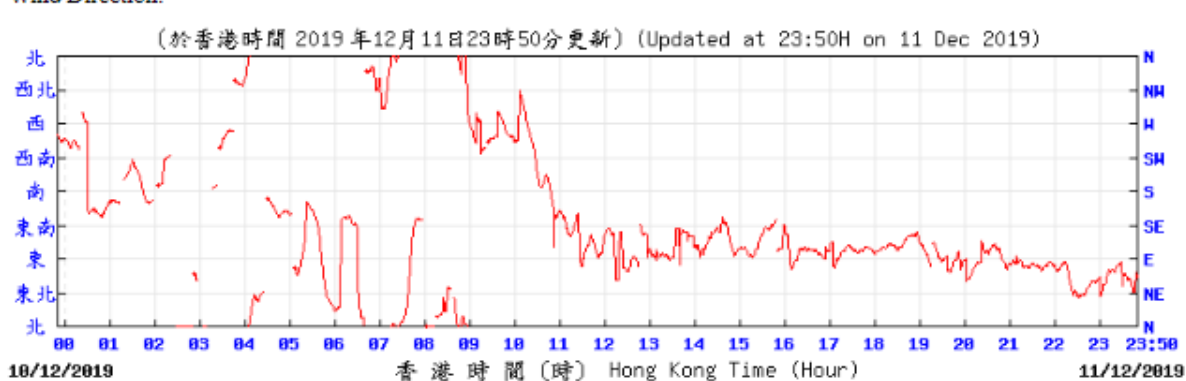
© 香港天文台 Hong Kong Observatory

Pressure:



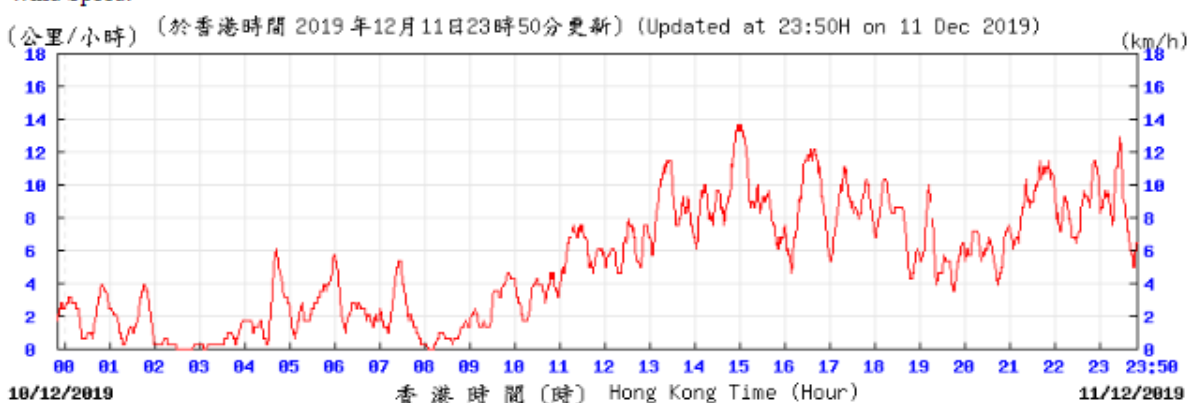
© 香港天文台 Hong Kong Observatory

Wind Direction:



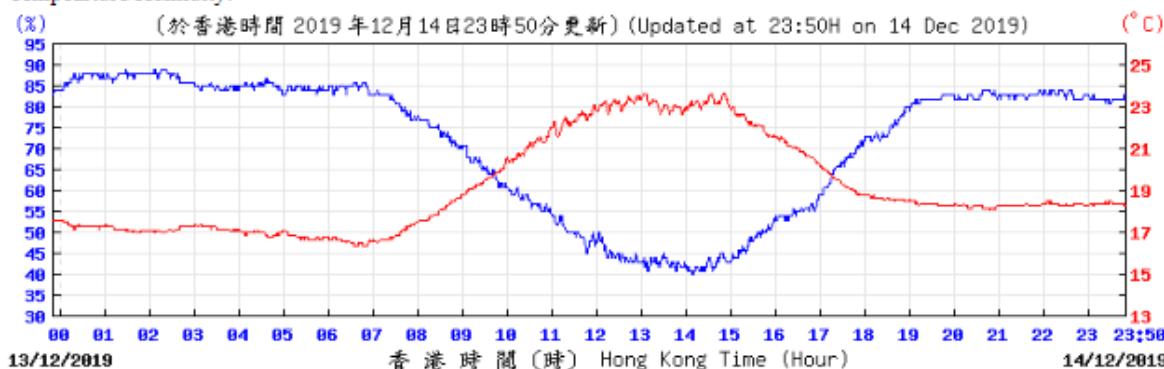
© 香港天文台 Hong Kong Observatory

Wind Speed:



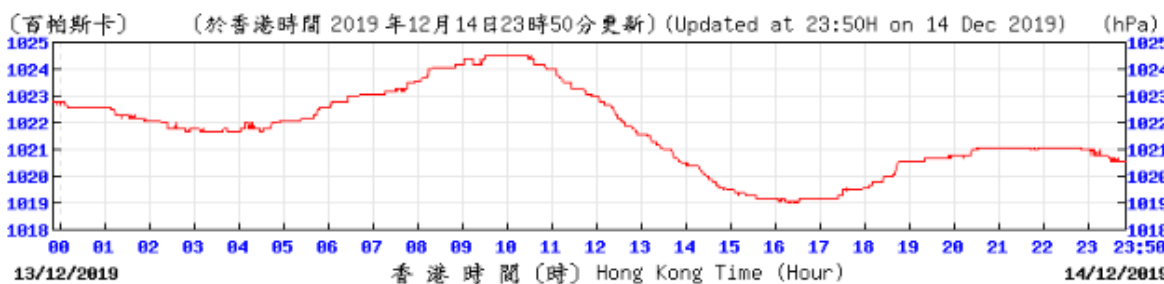
© 香港天文台 Hong Kong Observatory

Temperature/Humidity:



© 香港天文台 Hong Kong Observatory

Pressure:



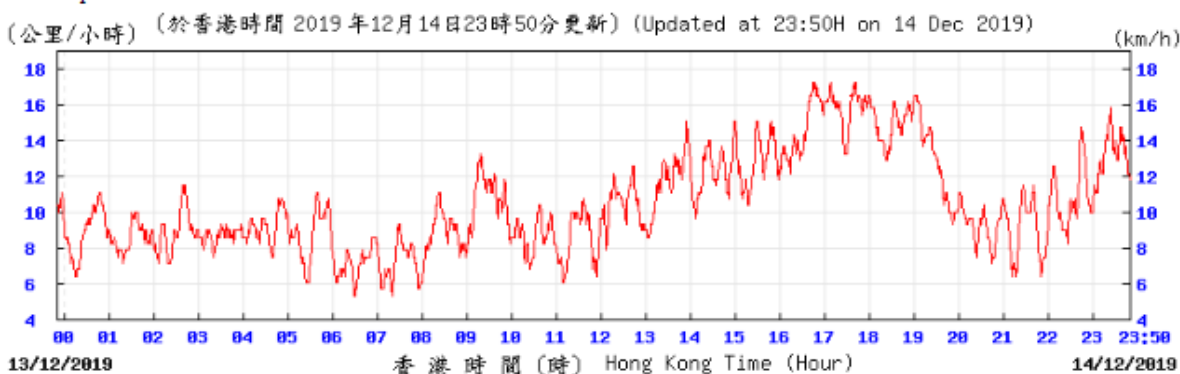
© 香港天文台 Hong Kong Observatory

Wind Direction:



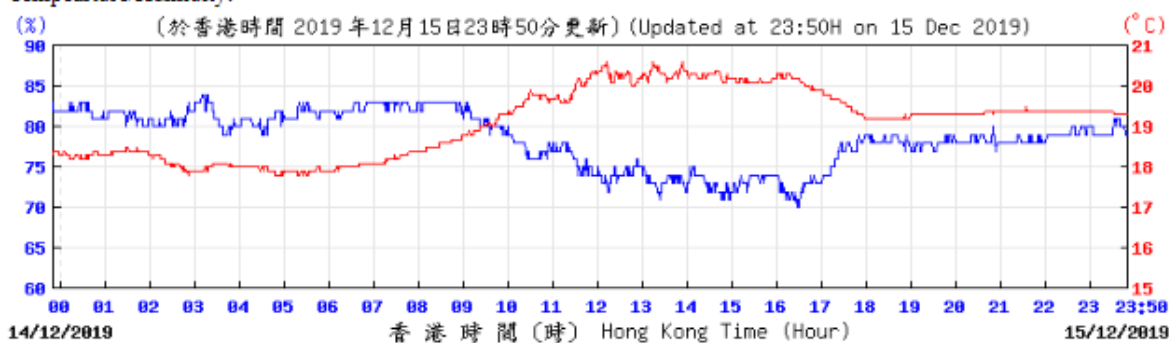
© 香港天文台 Hong Kong Observatory

Wind Speed:



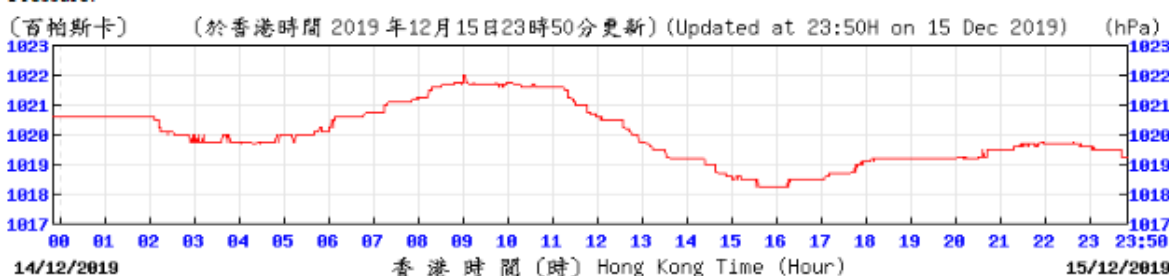
© 香港天文台 Hong Kong Observatory

Temperature/Humidity:



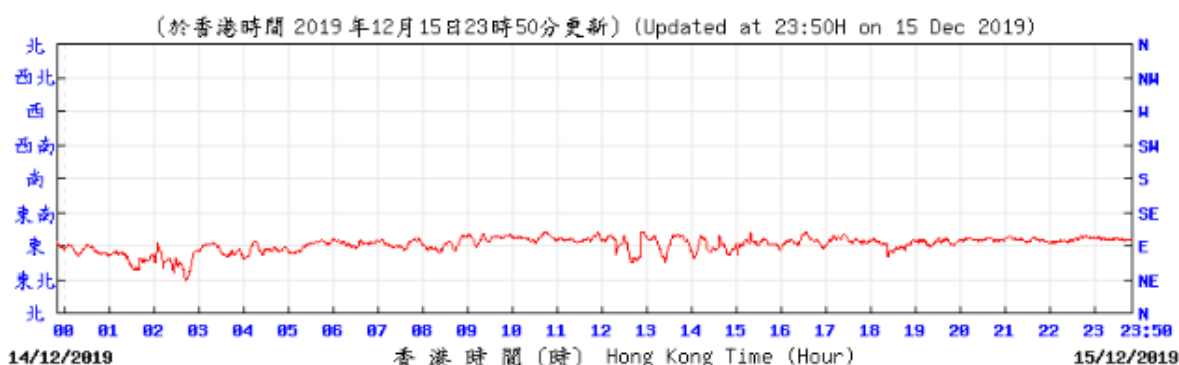
© 香港天文台 Hong Kong Observatory

Pressure:



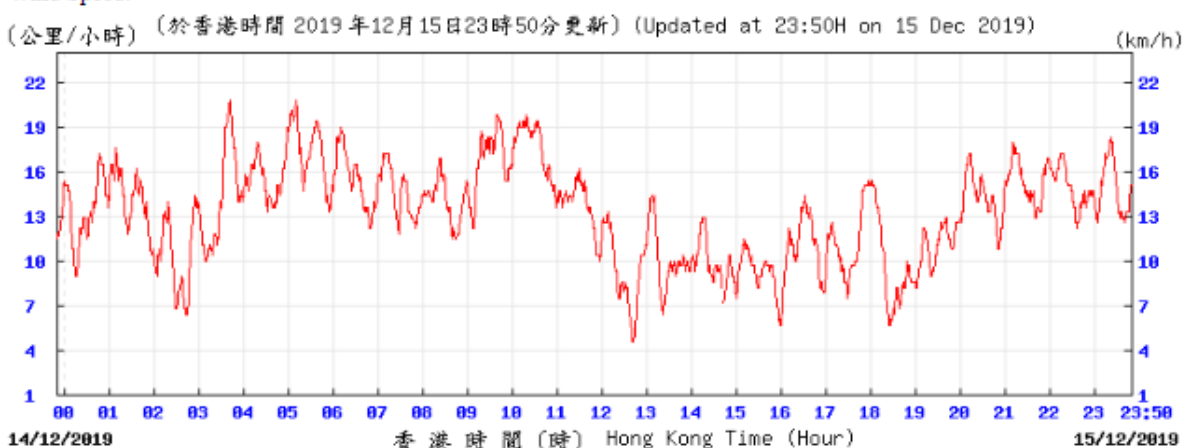
© 香港天文台 Hong Kong Observatory

Wind Direction:



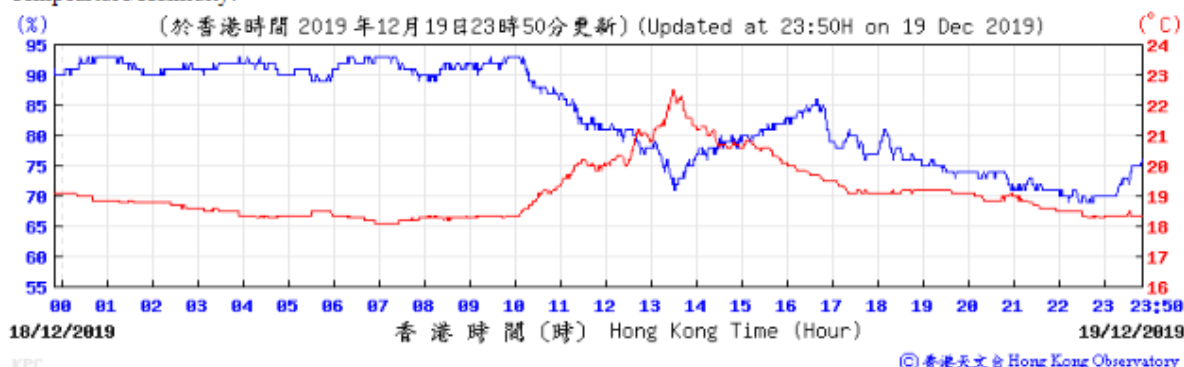
© 香港天文台 Hong Kong Observatory

Wind Speed:

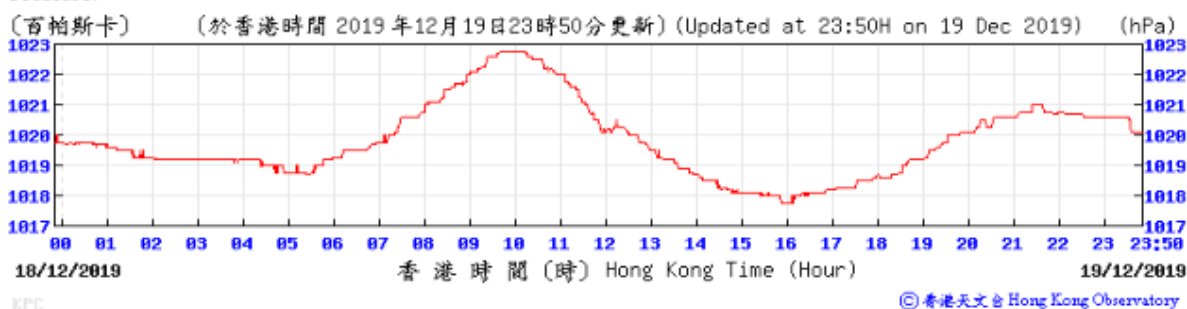


© 香港天文台 Hong Kong Observatory

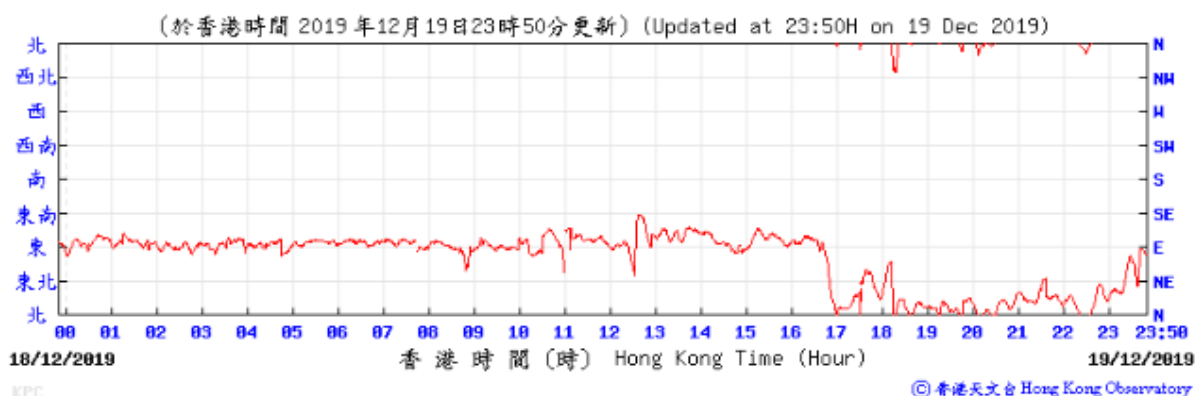
Temperature/Humidity:



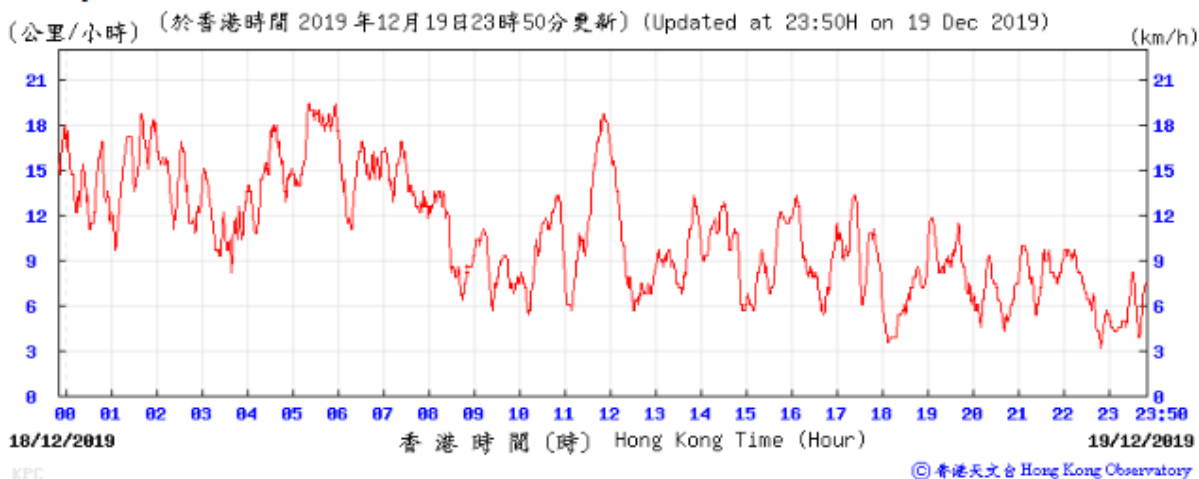
Pressure:



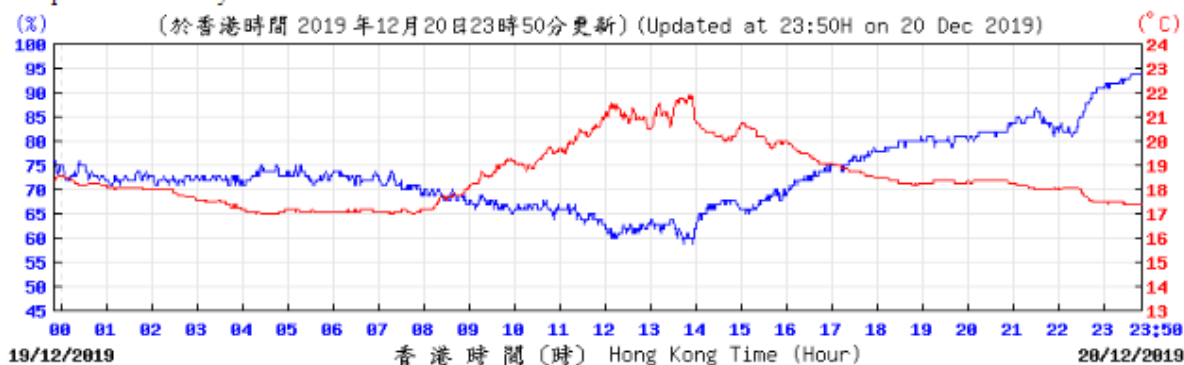
Wind Direction:



Wind Speed:

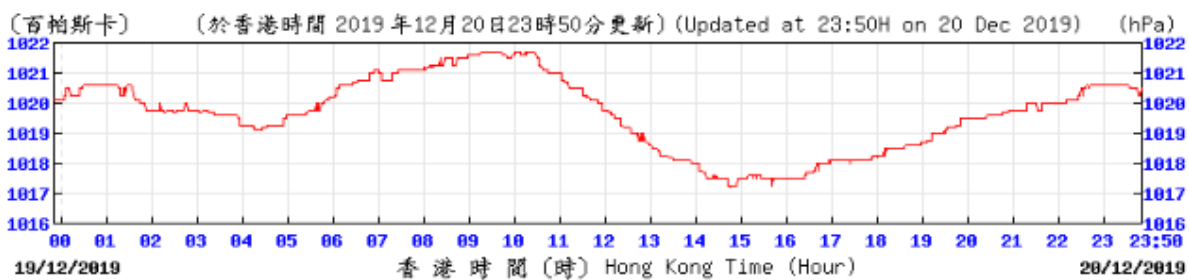


Temperature/Humidity:



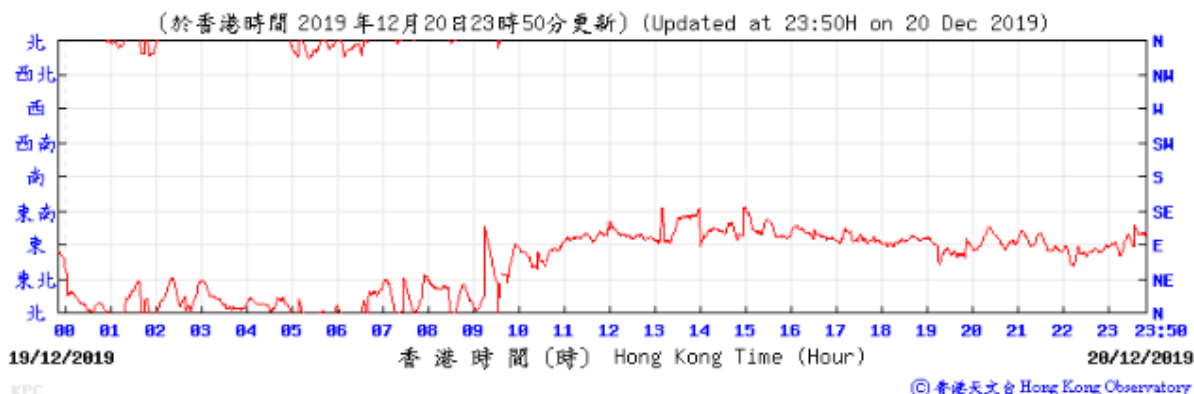
KPC

Pressure:



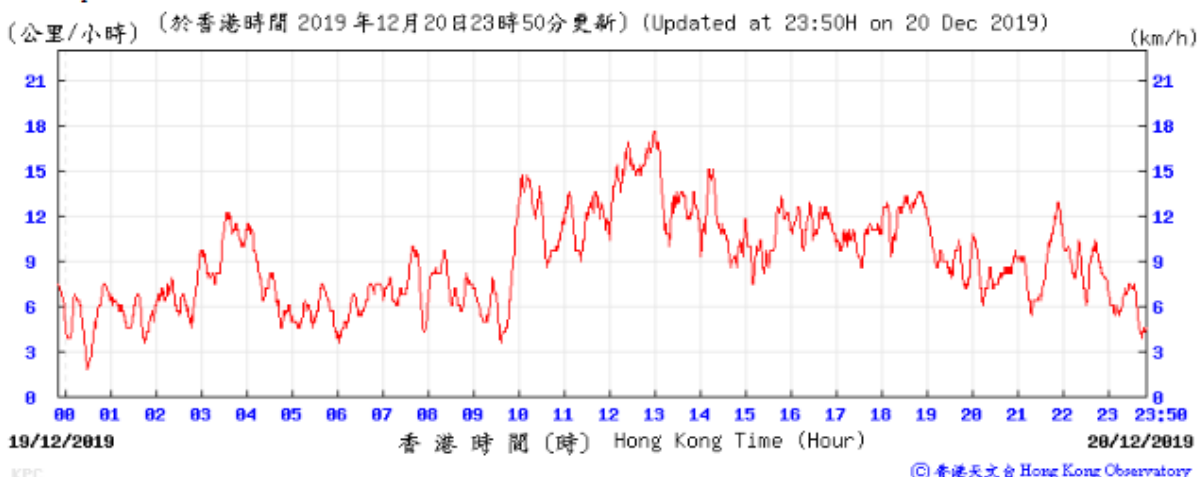
KPC

Wind Direction:



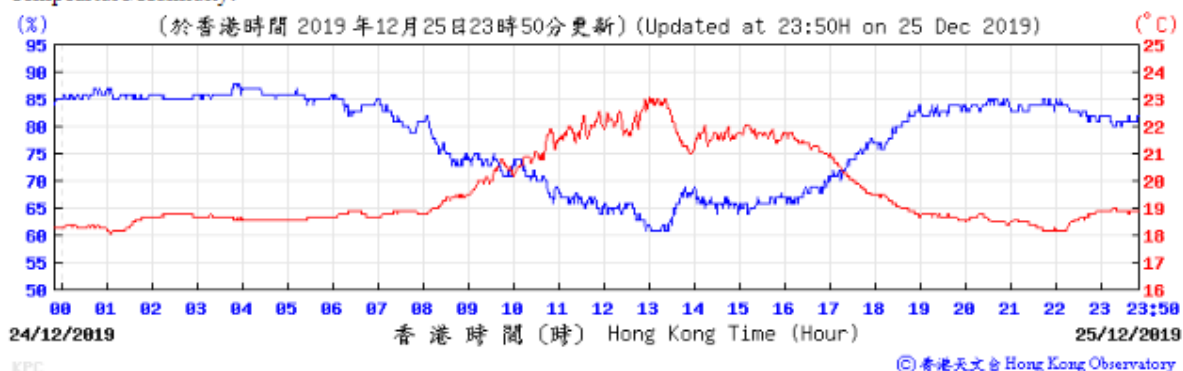
KPC

Wind Speed:

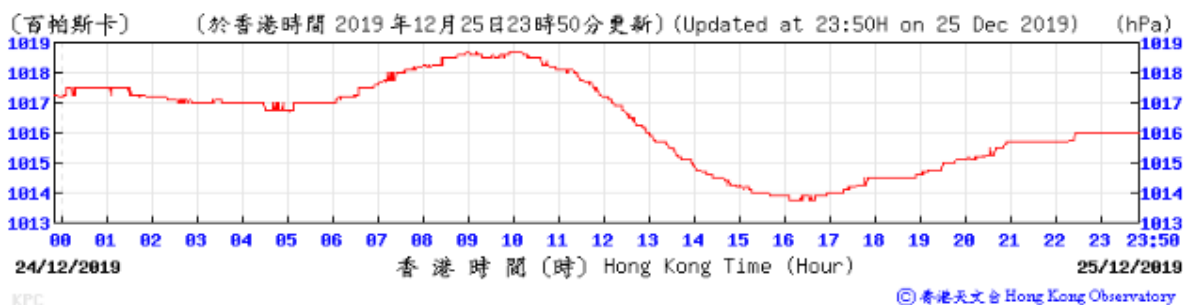


KPC

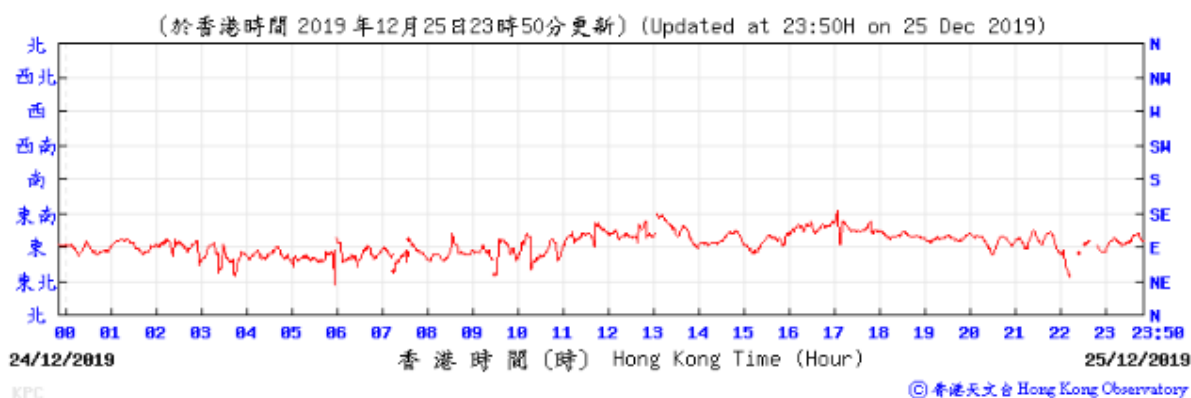
Temperature/Humidity:



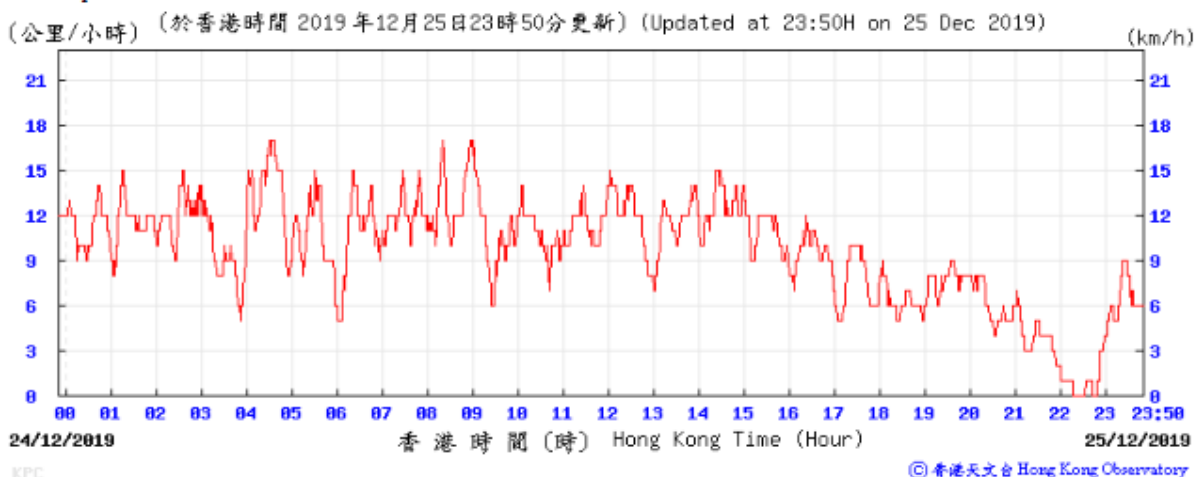
Pressure:



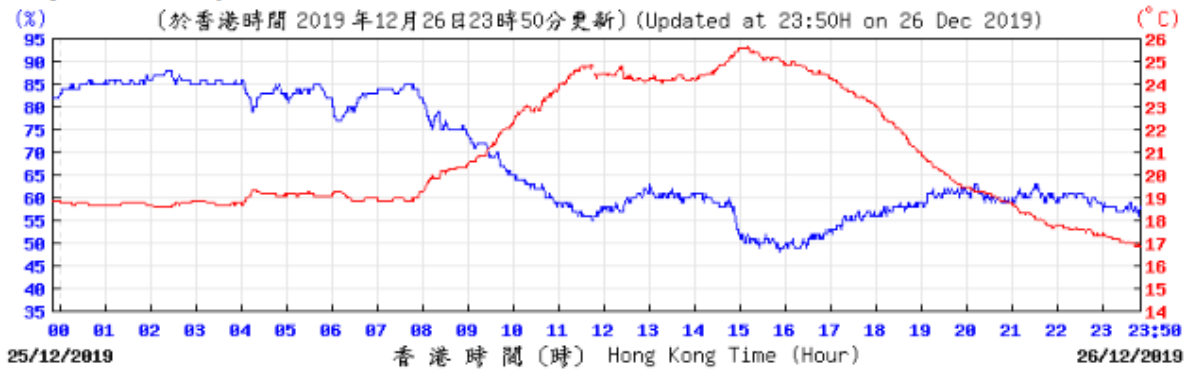
Wind Direction:



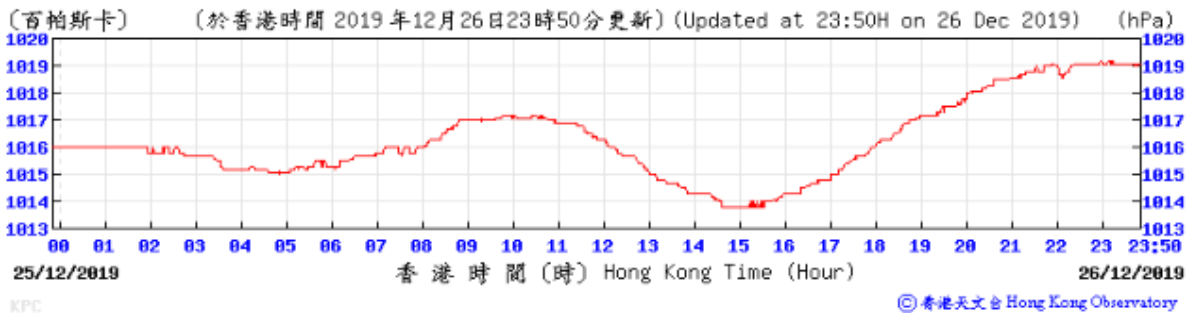
Wind Speed:



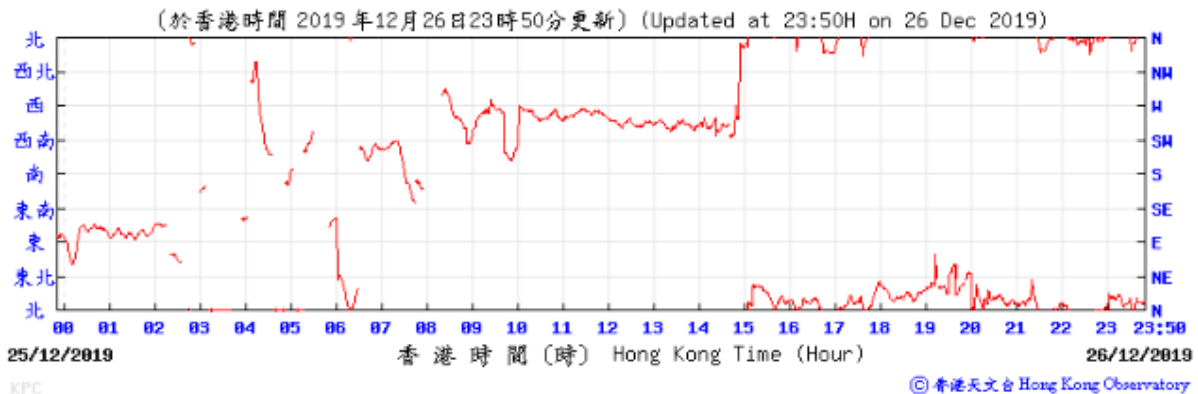
Temperature/Humidity:



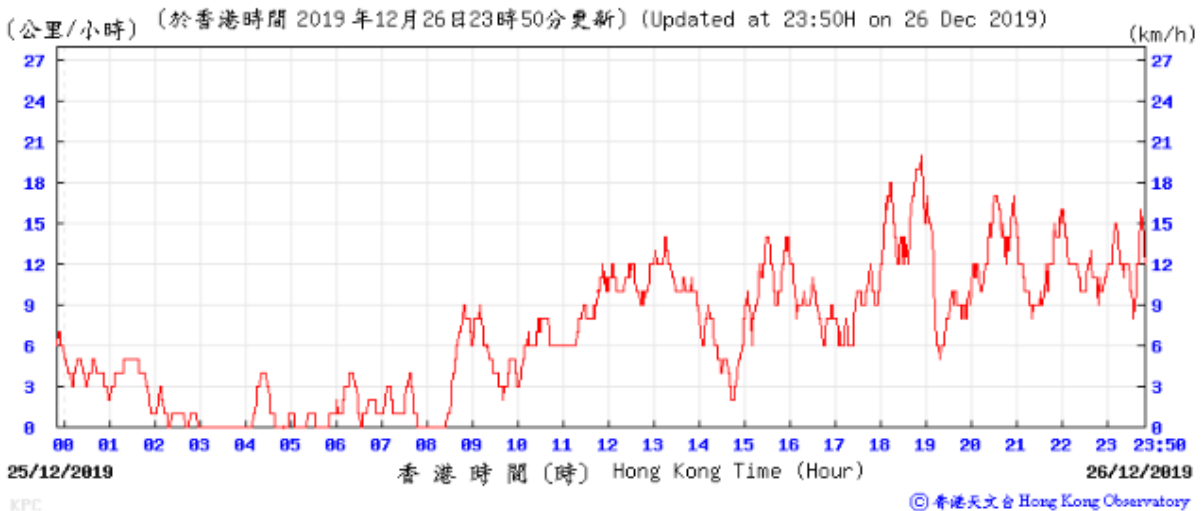
Pressure:



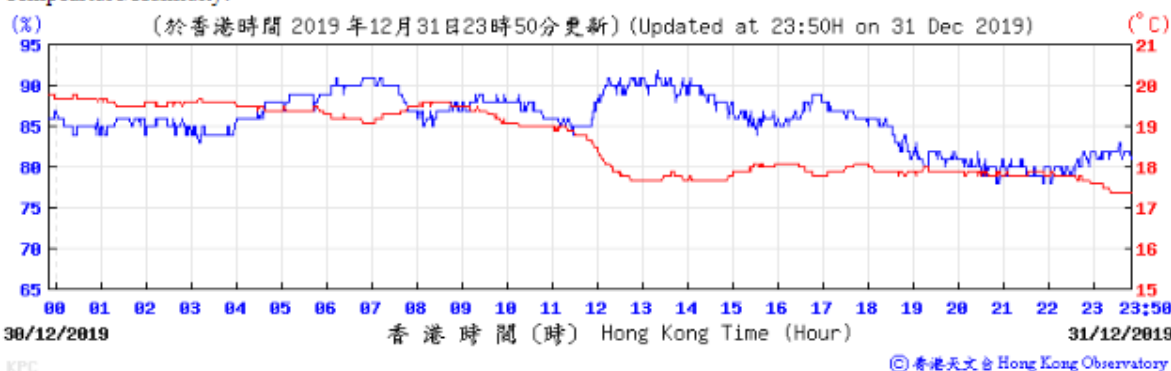
Wind Direction:



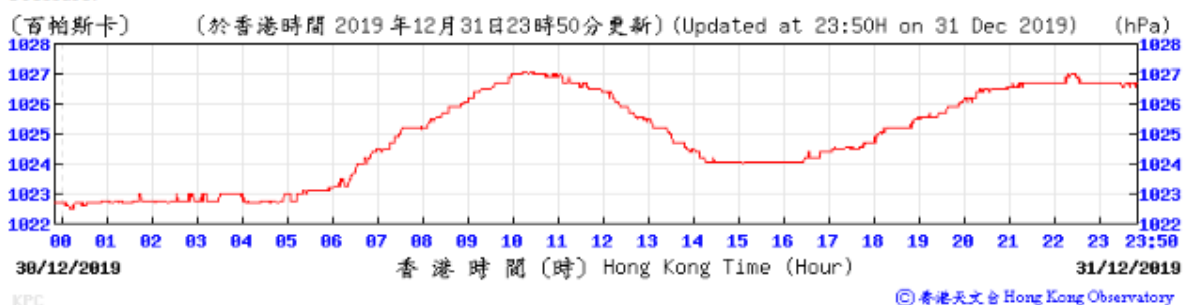
Wind Speed:



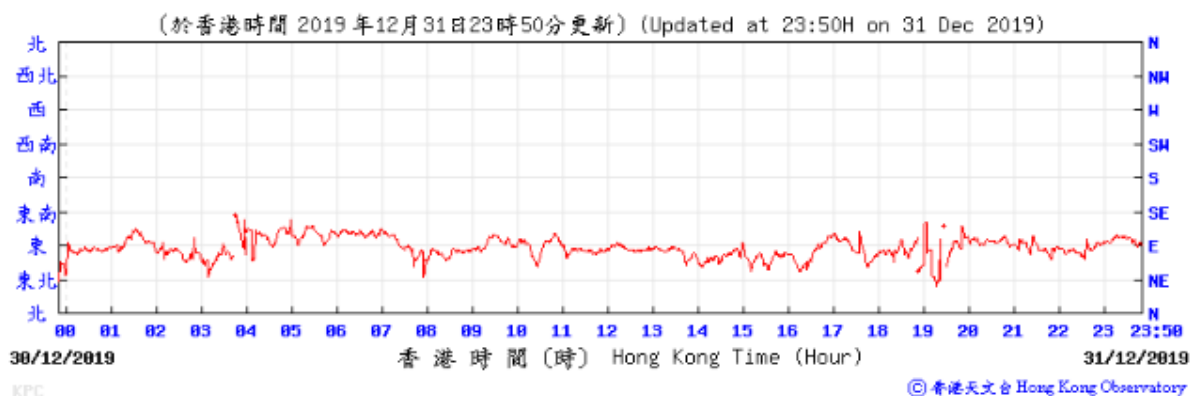
Temperature/Humidity:



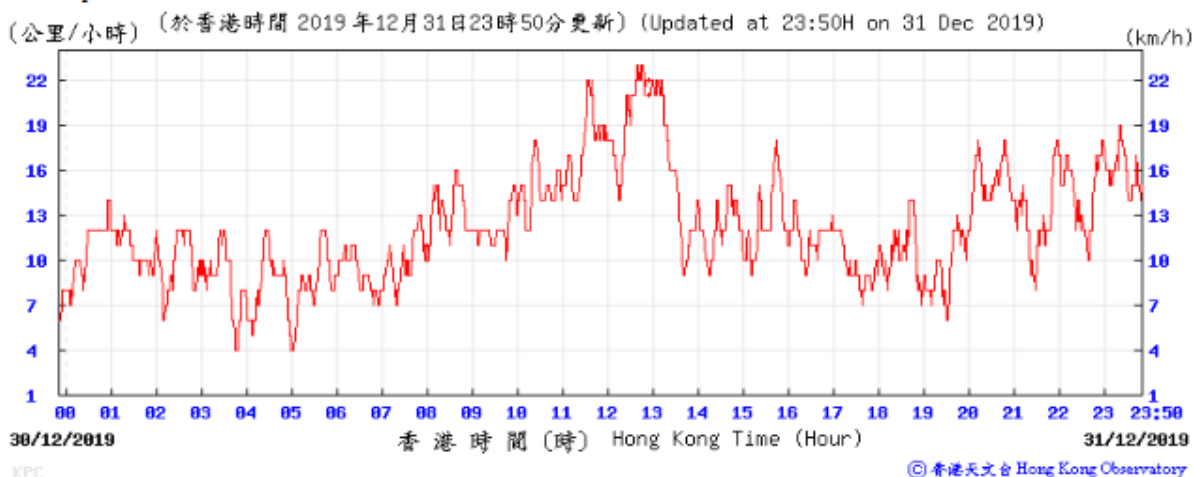
Pressure:

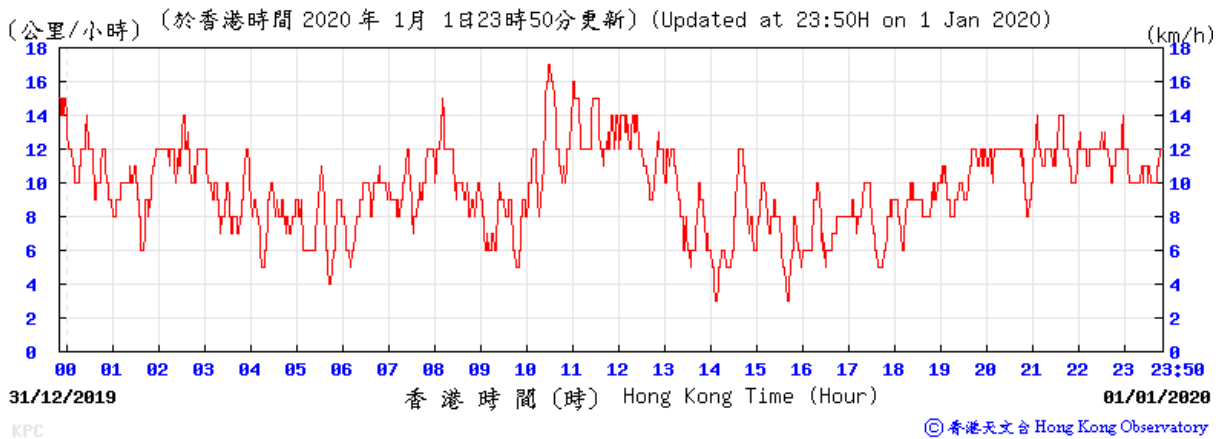
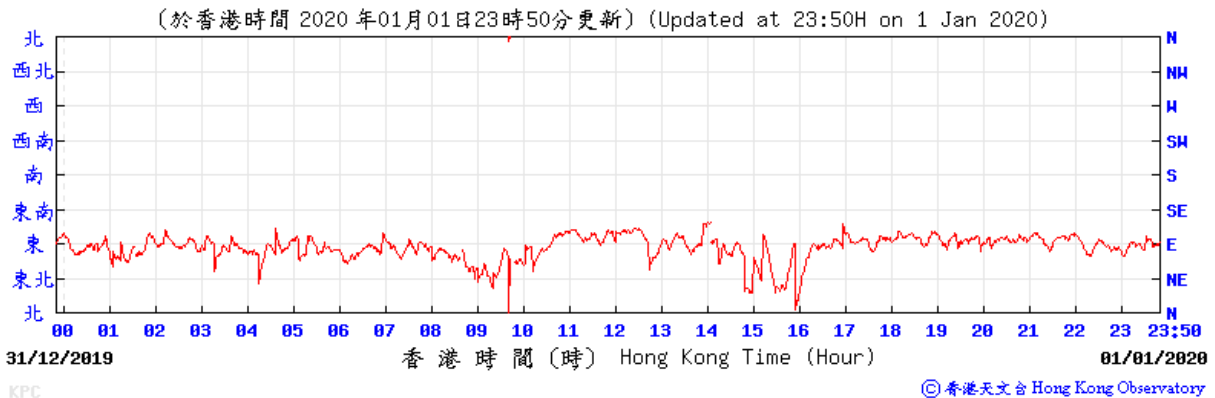
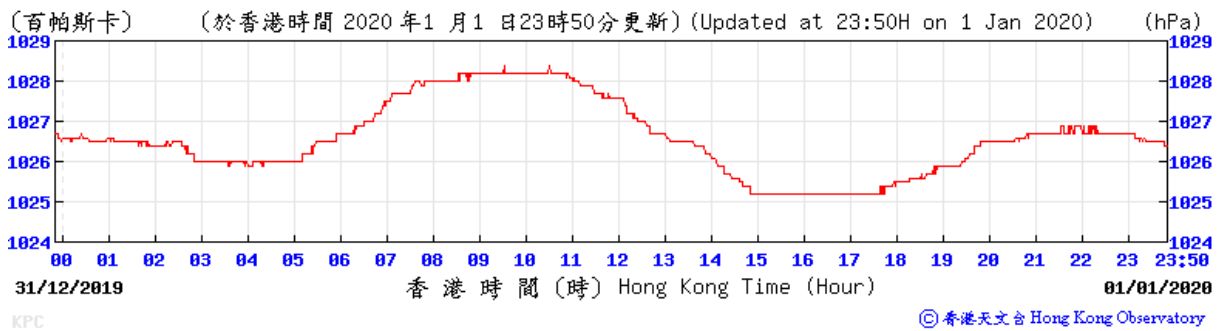
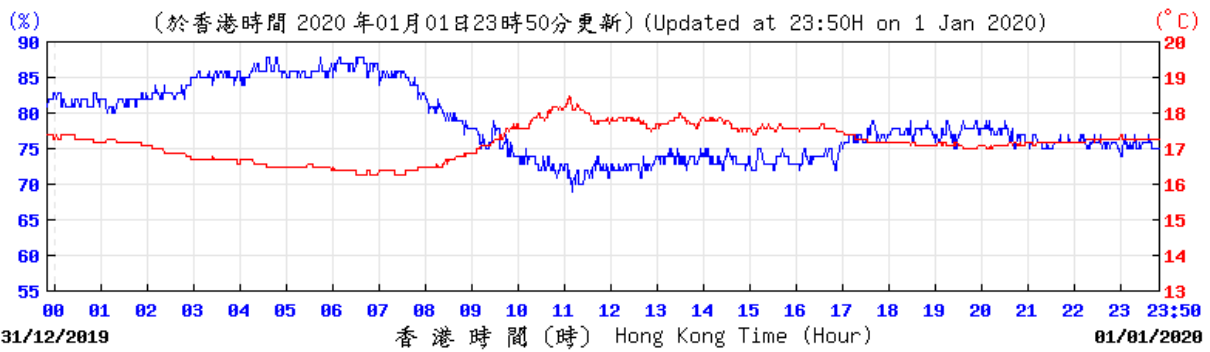


Wind Direction:



Wind Speed:





I. Waste Flow table

M+ Museum

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

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
2015													
Nov	46607.4	0.0	0.0	8240.0	38367.4	0.0	0.0	76.2	0.0	0.0	0.0	0.0	67.6
Dec	29652.9	0.0	0.0	29621.4	31.5	0.0	0.0	26.3	0.0	0.0	0.0	1.0	66.0
Sub-total (2015)	76260.3	0.0	0.0	37861.4	38398.9	0.0	0.0	102.5	0.0	0.0	0.0	1.0	133.6
2016													
Jan	21077.4	0.0	6352.0	14576.0	149.4	0.0	0.0	18.8	0.0	0.0	0.0	0.0	23.2
Feb	7626.2	0.0	3424.0	4048.0	154.2	0.0	0.0	59.8	0.0	0.0	0.0	0.0	20.5
Mar	10442.5	0.0	1600.0	7888.0	954.5	0.0	0.0	29.7	0.0	0.0	0.0	0.0	46.3
Apr	30413.2	0.0	6352.0	23408.0	653.2	0.0	0.0	25.8	0.1	0.0	27.8	0.0	34.5
May	24083.5	0.0	112.0	23216.0	755.5	0.0	0.0	61.5	0.4	0.0	33.6	0.0	62.3
Jun	7880.1	0.0	4736.0	2384.0	760.1	0.0	0.0	106.6	0.1	0.0	14.6	0.0	52.8
Jul	5893.1	0.0	2656.0	2240.0	997.1	0.0	0.0	77.6	0.0	0.0	33.6	0.0	83.1
Aug	13709.6	0.0	0.0	12432.0	1277.6	0.0	0.0	111.3	0.2	0.0	38.5	0.0	104.9
Sep	6702.0	0.0	0.0	5648.0	1000.1	53.9	0.0	104.2	0.0	0.0	45.5	0.2	107.9
Oct	2103.6	0.0	0.0	496.0	1595.4	12.2	0.0	83.0	0.4	0.0	73.5	0.0	108.2
Nov	3302.7	0.0	0.0	2384.0	855.5	63.2	0.0	88.4	0.6	0.0	63.0	0.0	129.1
Dec	899.8	0.0	0.0	736.0	126.8	37.0	0.0	48.3	0.6	0.0	70.0	0.0	89.0
Sub-total (2016)	134133.5	0.0	25232.0	99456.0	9279.3	166.3	0.0	814.9	2.3	0.0	400.1	0.2	861.8
2017													
Jan	675.2	0.0	0.0	432.0	237.9	5.3	0.0	79.5	1.0	0.0	70.0	0.0	79.7
Feb	927.7	0.0	0.0	768.0	125.6	34.0	0.0	70.5	0.6	0.0	84.0	0.0	81.4
Mar	1856.7	0.0	0.0	1280.0	466.9	109.8	0.0	62.8	0.4	0.0	98.0	0.0	148.5
Apr	642.4	0.0	0.0	160.0	324.9	157.5	0.0	87.5	0.7	0.0	175.0	0.0	102.5
May	1118.2	0.0	0.0	528.0	416.4	173.7	0.0	118.3	0.0	0.0	280.0	0.0	139.0
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	50.9	0.9	0.0	59.0	0.0	186.9
Sep	1681.7	0.0	0.0	0.0	1342.0	339.7	0.0	52.3	0.7	0.0	77.0	0.0	265.3
Oct	483.6	0.0	0.0	0.0	242.5	241.1	0.0	374.8	0.6	0.0	24.1	0.0	128.5
Nov	822.8	0.0	0.0	0.0	344.5	478.3	0.0	948.5	0.7	0.0	140.0	0.2	219.1
Dec	601.3	0.0	0.0	0.0	236.2	365.1	0.0	903.6	0.8	0.0	320.0	0.0	241.9

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	2985.3	8.9	0.0	1921.1	0.2	1855.5
2018													
Jan	1015.3	0.0	0.0	0.0	574.1	441.2	0.0	773.3	1.5	0.0	100.0	0.0	183.6
Feb	847.6	0.0	0.0	0.0	608.3	239.3	0.0	34.0	1.0	0.0	25.0	0.0	154.9
Mar	1507.0	0.0	0.0	0.0	1102.1	404.9	0.0	39.5	1.5	0.0	120.0	0.0	264.1
Apr	2942.8	0.0	0.0	0.0	2542.4	400.4	0.0	60.1	0.3	0.0	100.0	0.0	252.5
May	2109.2	0.0	0.0	0.0	1593.3	515.9	0.0	37.0	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	47.0	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	15.2	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	0.0	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	129.3	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	45.8	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	256.7	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	1437.9	9.9	0.0	1335.0	0.0	2270.2
2019													
Jan	1632.5	0.0	0.0	153.6	572.3	906.6	0.0	192.1	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	43.4	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	31.8	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	48.9	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	81.0	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	123.4	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	57.1	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	1.5	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	46.7	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	102.4	0.0	0.0	450.0	0.4	657.7
Nov	681.1	0.0	0.0	192.0	263.0	226.1	0.0	36.8	0.7	0.0	380.0	0.0	659.8
Dec	727.5	0.0	0.0	240.0	341.0	146.5	0.0	105.7	0.7	0.0	345.0	0.0	682.3
Sub-total (2019)	8535.5	0.0	0.0	1516.3	3781.6	3237.7	0.0	870.8	7.0	0.0	2945.0	1.9	6545.5
Total	247293.7	0.0	25232.0	142172.1	68750.9	11138.7	0.0	6211.4	28.2	0.0	6601.2	3.2	11666.6

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)

Note:

-0 tonnes, 14.56 tonnes, 326.39 tonnes, 146.51 tonnes of inert C&D material were disposed of as public fill to Chai Wan Public Fill Barging Point, Fill Bank at Tuen Mun Area 38, Fill Bank at Tseung Kwan O Area 137 and Sorting Facilities at Tseung Kwan O Area 137 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

Lyric Theatre Complex

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

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

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)
2018													
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
2019													
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
Total	941998.9	0.0	0.0	541701.9	399869.5	427.5	1492.8	1980.0	2.2	8.5	0.0	12.5	2231.5

Note:
- 1,821.36 tonnes and 4,415.42 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.

J. Environmental Mitigation Measures – Implementation Status

Table J-1: Environmental Mitigation Measures Implementation Status

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

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

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	Emission Limits		
	<ul style="list-style-type: none"> All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke 	✓	✓
	Engineering Design/Technical Requirements		
	<ul style="list-style-type: none"> As a general guidance, the loading, unloading, handling and storage of fuel, raw materials, products, wastes or by-products should be carried out in a manner so as to prevent the release of visible dust and/or other noxious or offensive emissions 	✓	✓
	Non-Road Mobile Machinery (NRMM):		
-	All NRMMs operating on-site which are subject to emission control of Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation are approved/exempted (as the case may be) and affixed with the requisite approval/exemption labels.	✓	✓
Noise Impact (Construction)			
3.1 & 10.4.1	Good Site Practice		
	Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:		
	<ul style="list-style-type: none"> only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works; 	Rem	✓
	<ul style="list-style-type: none"> machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum 	✓	✓
	<ul style="list-style-type: none"> plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs; 	✓	✓
	<ul style="list-style-type: none"> mobile plant should be sited as far away from NSRs as possible; and 	✓	✓
	<ul style="list-style-type: none"> material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities. 	✓	✓
3.1 & 10.4.1	Adoption of Quieter PME		
	The recommended quieter PME adopted in the assessment were taken from the EPD's QPME Inventory and "Sound Power Levels of Other Commonly Used PME" are presented in Table 4.26 in the EIA report. It should be noted that the silenced PME selected for assessment can be found in Hong Kong.	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
3.1 & 10.4.1	Use of Movable Noise Barriers Movable noise barriers can be very effective in screening noise from particular items of plant when constructing the Project. Noise barriers located along the active works area close to the noise generating component of a PME could produce at least 10 dB(A) screening for stationary plant and 5 dB(A) for mobile plant provided the direct line of sight between the PME and the NSRs is blocked.	N/A	✓
3.1 & 10.4.1	Use of Noise Enclosure/ Acoustic Shed The use of noise enclosure or acoustic shed is to cover stationary PME such as air compressor and concrete pump. With the adoption of the noise enclosure, the PME could be completely screened, and noise reduction of 15 dB(A) can be achieved according to the EIAO Guidance Note No. 9/2010.	N/A	✓
3.1 & 10.4.1	Use of Noise Insulating Fabric Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, pilling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR-127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.	N/A	✓
3.1 & 10.4.1	Scheduling of Construction Works outside School Examination Periods During construction phase, the contractor should liaise with the educational institutions (including NSRs LCS and CRGPS) to obtain the examination schedule and avoid the noisy construction activities during school examination periods.	N/A	N/A
Water Quality Impact (Construction)			
4.1 & 10.5.1	Construction site runoff and drainage The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended to protect water quality and sensitive uses of the coastal area, and when properly implemented should be sufficient to adequately control site discharges so as to avoid water quality impacts: <ul style="list-style-type: none"> At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the WKCDA's Contractor prior to the commencement of construction; Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the WKCDA's Contractor prior to the commencement of construction. 	✓	✓
		✓	✓

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

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

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

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

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
	<ul style="list-style-type: none"> The use of contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out; Vehicles containing any contaminated excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater; Truck bodies and tailgates should be sealed to stop any discharge; Only licensed waste haulers should be used to collect and transport contaminated material to treatment/disposal site and should be equipped with tracking system to avoid fly tipping; Speed control for trucks carrying contaminated materials should be exercised; Observe all relevant regulations in relation to waste handling, such as Waste Disposal Ordinance (Cap. 354), Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354) and obtain all necessary permits where required; and Maintain records of waste generation and disposal quantities and disposal arrangements. 	N/A	N/A
Ecological Impact (Construction)			
No mitigation measure is required.			
Landscape and Visual Impact (Construction)			
Table 9.1 & 10.8 (CM1)	Trees should be retained in situ on site as far as possible. Should tree removal be unavoidable due to construction impacts, trees will be transplanted or felled with reference to the stated criteria in the Tree Removal Applications to be submitted to relevant government departments for approval in accordance to ETWB TCW No. 29/2004 and 3/2006.	N/A	N/A
Table 9.1 & 10.8 (CM2)	Compensatory tree planting shall be incorporated to the proposed project and maximize the new tree, shrubs and other vegetation planting to compensate tree felled and vegetation removed. Also, implementation of compensatory planting should be of a ratio not less than 1:1 in terms of quality and quantity within the site.	N/A	N/A
Table 9.1 & 10.8 (CM3)	Buffer trees for screening purposes to soften the hard architectural and engineering structures and facilities.	N/A	N/A
Table 9.1 & 10.8 (CM4)	Softscape treatments such as vertical green wall panel /planting of climbing and/or weeping plants, etc, to maximize the green coverage and soften the hard architectural and engineering structures and facilities.	N/A	N/A
Table 9.1 & 10.8 (CM5)	Roof greening by means of intensive and extensive green roof to maximize the green coverage and improve aesthetic appeal and visual quality of the building/structure.	N/A	N/A
Table 9.1 & 10.8 (CM6)	Sensitive streetscape design should be incorporated along all new roads and streets.	N/A	N/A
Table 9.1 & 10.8 (CM7)	Structure, ornamental planting shall be provided along amenity strips to enhance the landscape quality.	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage	
		M+ Museum	Lyric Theatre Complex
Table 9.1 & 10.8 (CM8)	Landscape design shall be incorporated to architectural and engineering structures in order to provide aesthetically pleasing designs.	N/A	N/A
Table 9.1 (CM9)	Minimize the structure of marine facilities to be built on the seabed and foreshore in order to minimize the affected extent to the waterbody	N/A	N/A
Table 9.2 & 10.9 (MCP1)	Use of decorative screen hoarding/boards	✓	✓
Table 9.2 & 10.9 (MCP2)	Early introduction of landscape treatments	N/A	N/A
Table 9.2 & 10.9 (MCP3)	Adoption of light colour for the temporary ventilation shafts for the basement during the transition period.	N/A	N/A
Table 9.2 & 10.9 (MCP4)	Control of night time lighting	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 - 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	0	0	0
From 1 March 2016 to end of the reporting month	10	0	0