

**Quarterly Environmental Monitoring and Audit
Summary Report (January 2021 – March 2021)
for
Contract No. ED/2018/01 –
Kai Tak Development – Stage 4 infrastructure at the
former runway and south apron**

Contract No.: EDO 15/2018

(Version 1.2)

Certified By: _____



(Environmental Team Leader)

Ref.: CEDKTDS4EM00_0_0172L.21

2 August 2021

AECOM Asia Company Limited
8/F, Grand Central Plaza, Tower 2
138 Shatin Rural Committee Road
Shatin, Hong Kong

By Post and Email

Attention: Mr. Clive Cheng

Dear Mr. Cheng,

**Re: Contract No. ED/2018/01 – Kai Tak Development
Stage 4 Infrastructure at the Former Runway and South Apron**

Quarterly EM&A Summary Report for January 2021 to March 2021

Reference is made to the Environmental Team's submission of the Quarterly EM&A Summary Report for January 2021 to March 2021 (Version 1.2) certified by the ET Leader and provided to us via email on 30 July 2021.

Please be informed that we have no adverse comment on the captioned submission.

Thank you for your attention. Please do not hesitate to contact the undersigned should you have any queries.

Yours sincerely,
For and on behalf of
Ramboll Hong Kong Limited



Y H Hui
Independent Environmental Checker

c.c. CEDD
Ka Shing
Penta-Ocean

Attn.: Mr. Ronald Siu
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Table of Content	Page
EXECUTIVE SUMMARY	6
Breaches of Action and Limit Levels	6
Complaint log	6
Notifications of Summons and Successful Prosecutions.....	6
Report changes	7
Major construction works in the reporting period	7
1. INTRODUCTION.....	9
Project Background	9
Project Organization	10
Works Area and Construction Programme.....	11
Construction works undertaken during reporting period.....	11
2. SUMMARY OF EM&A REQUIREMENTS AND MONITORING RESULTS ..	13
Monitoring Requirements.....	13
Air Quality Monitoring Locations	13
Air Quality Monitoring Parameters, Frequency and Duration	13
Air Quality Monitoring Equipment	14
Air Quality Monitoring Methodology and QA/QC Procedure.....	14
Wind Data Monitoring.....	17
Impact Air Quality Action and Limit Levels.....	17
Impact Air Quality Monitoring results	17
Noise Monitoring Locations	18
Noise Monitoring Parameters, Frequency and Duration	19
Noise Monitoring Equipment	19
Monitoring Methodology and QA/QC Procedure	20
Maintenance and Calibration.....	20
Impact Noise Action and Limit Levels.....	21

Impact Noise Monitoring results	21
Comparison of EM&A Results with EIA Predictions	22
3. LANDSCAPE AND VISUAL MONITORING	25
4. SOLID AND LIQUID WASTE MANAGEMENT	26
5. ENVIRONMENTAL SITE INSPECTION AND AUDIT	27
Site Inspection	27
Implementation Status of Environmental Mitigation Measures	28
6. SUMMARY OF NON-COMPLIANCE STATUS	29
Breaches of Action and Limit Levels	29
Environmental Complaint and Non-compliance	30
Notifications of summons and successful prosecutions	30
7. COMMENTS, RECOMMENDATIONS AND CONCLUSIONS	32
Comments	32
Recommendations	32
Conclusions	33

List of Tables

Table I	Major construction activities in the reporting period
Table 1.1	Contact information of key personnel
Table 1.2	Major construction activities in the reporting period
Table 2.1	Locations of air quality monitoring stations
Table 2.2	Air quality monitoring parameters, frequency and duration
Table 2.3	Air Quality Monitoring Equipment
Table 2.4	Action and Limit Levels of 24-hour average TSP for construction dust monitoring
Table 2.5	Action and Limit Levels of 1-hour average TSP for construction dust monitoring
Table 2.6	Summary of 24-hour average TSP monitoring data during the reporting period
Table 2.7	Summary of 1-hour average TSP monitoring data during the reporting period

Table 2.8	Locations of noise monitoring stations
Table 2.9	Noise monitoring parameters, frequency and duration
Table 2.10	Noise Monitoring Equipment
Table 2.11	Baseline noise level and Action and Limit Levels for construction noise monitoring
Table 2.12	Summary of noise monitoring data during the reporting period
Table 2.13	Comparison of 24-hour average TSP monitoring data with EIA predictions
Table 2.14	Comparison of 1-hour average TSP monitoring data with EIA predictions
Table 2.15	Comparison of noise monitoring data with EIA predictions
Table 3.1	Summary of observations of Landscape and Visual impact during the reporting period
Table 5.1	Summary of site inspections observations during the reporting period
Table 6.1	Non-compliance record in the reporting period
Table 6.2	Summary of complaints in the reporting period
Table 6.3	Summary of summons and successful prosecutions in the reporting period
Table 7.1	Summary of recommendations / reminders made in site inspections during the reporting period

List of Figure

Figure 1	– Proposed works of Contract No. ED/2018/01
Figure 2	– Proposed Bus Stop And Associated Noise Barrier At Road D3A
Figure 3	– Future Pedestrian Connection Between Landscaped Deck And Private Developments
Figure 4	– Site Layout Plan
Figure 5	– Air Quality Monitoring Stations
Figure 6	– Noise Monitoring Stations

List of Appendices

Appendix A – Organization Chart of EM&A Team and Emergency Team

Appendix B – Construction Programme

Appendix C – Weather information

Appendix D – Monitoring data and graphical plots

Appendix E – Event and Action Plans for Construction Dust Monitoring, Construction Noise
and Landscape and Visual Impact

Appendix F – Waste Flow Table

Appendix G – Environmental Mitigation Implementation Schedule (EMIS)

Appendix H – Summaries of Environmental Complaint, Warning, Summon and Notification
of Successful Prosecution

EXECUTIVE SUMMARY

1. This is the 5th Quarterly Environmental Monitoring & Audit (EM&A) Summary Report which summaries the findings of the EM&A Programme during the reporting period from 1 January 2021 to 31 March 2021 (the “reporting period”).

Breaches of Action and Limit Levels

2. 1-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind’s Factory cum Sheltered Workshop [AM4(A)], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted between 5 and 25 January 2021.
3. 24-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind’s Factory cum Sheltered Workshop [AM4(A)], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted between 5 and 25 January 2021.
4. Construction noise monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind’s Factory cum Sheltered Workshop [M11], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted between 5 and 25 January 2021.

Complaint log

5. No complaint was received in the reporting period.

Notifications of Summons and Successful Prosecutions

6. No notification of summons and successful prosecutions was received in the reporting period.

Report changes

7. There was no reporting change in the reporting period.

Major construction works in the reporting period

8. Major construction activities undertake during the reporting period included:

Table I Major construction activities in the reporting period

January 2021	February 2021	March 2021
<ul style="list-style-type: none"> - Noise barrier - - Construction of footings - District Cooling System seawater intake box culvert - Construction of cofferdam - Landscaped Deck – - Construction of bored piles - Construction of base slab and walls of Underpass and South Depressed Road - North Approach Ramp – Construction of wall, intermediate slab and column - Bridge D3 – Construction of pile cap - North Depressed Road – Construction of wall / dismantling of wailing & strut of cofferdam - Underpass – Excavation - South Approach Ramp – Installation of sheet pile and excavation - Lift 3 – Construction of cofferdam for footing 	<ul style="list-style-type: none"> - North Approach Ramp – Construction of wall, intermediate slab and column - Bridge D3 – Construction of pile cap & pier - North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam - Underpass – Excavation and construction of base slab - South Approach Ramp – Installation of sheet pile and excavation - Landscaped Deck – Construction of bored piles - District Cooling System seawater intake box culvert – Construction of cofferdam - Noise barrier – Installation of steel structure and PMMA panel - Lift 3 – Construction of cofferdam for footing 	<ul style="list-style-type: none"> - North Approach Ramp – Construction of wall, intermediate slab and column - Bridge D3 – Construction of pile cap and pier - North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam - Underpass – Excavation and construction of base slab - South Approach Ramp – Installation of sheet pile and excavation - Landscaped Deck – Construction of bored piles - District Cooling System seawater intake box culvert – Construction of cofferdam and box structure - Noise barrier – Installation of steel structure and PMMA panel - Lift 3 – Construction of cofferdam for footing - Lift 4 – Excavation for footing - South Depressed Road –

January 2021	February 2021	March 2021
		Excavation and Installation of Lateral Support works

1. INTRODUCTION

Project Background

- 1.1 The Kai Tak Development (KTD) is located in the south-eastern part of Kowloon Peninsula of the HKSAR, comprising the apron and runway areas of the former Kai Tak Airport and existing waterfront areas at To Kwa Wan, Ma Tau Kok, Kowloon Bay, Kwun Tong and Cha Kwo Ling.
- 1.2 Contract No. ED/2018/01 - Kai Tak Development – stage 4 infrastructure at the former runway and south apron (The Project), comprises mainly the design and construction of a dual two-lane Road D3 (Metro Park Section), a single 2-lane Road L12d, a salt water pumping station, a sewage pumping station, landscaped deck and promenade above and adjoining Road D3 (Metro Park Section) respectively, some remaining road works at Road L14, noise barrier at Road D3A, and other associated works at the former runway and south apron. The proposed works are shown in Figure 1 and Figure 2. During the course of the Contract No. ED/2018/01, there may be modification of noise barriers in association with the construction of footbridges connecting to the landscaped deck of Road D3A by developers of adjacent lands (Figure 3). The proposed works and site boundary are shown in Figure 4.
- 1.3 Civil Engineering and Development Department (CEDD) had completed an Environmental Impact Assessment (EIA) and is the Permit Holder.
- 1.4 The construction work under ED/2018/01 comprises the EM&A Manuals (EIA Register Nos. AEIAR-130/2009 for Kai Tak Development and EIA Register Nos. AEIAR-170/2013 for Roads D3A and D4A) and Environmental Permit (EP) Nos. EP-337/2009, EP-445/2013 and Variation to the EP (VEP) No. EP-445/2013/A.
- 1.5 Air quality and noise monitoring has been proposed in the EM&A Manual with EIA Register Nos. AEIAR-130/2009 for Kai Tak Development while no air quality and noise monitoring are proposed in EM&A Manual with EIA Register Nos. AEIAR-170/2013 for Roads D3A and D4A.

Project Organization

1.6 The project organization chart and emergency team and with respect to the EM&A programme is shown in Appendix A. Information of key personnel contact names and telephone numbers are summarized in Table 1.1.

Table 1.1 Contact information of key personnel

Party	Role	Contact Person	Position	Phone No.	Fax No.
Civil Engineering and Development Department (CEDD)	Project Proponent	Mr. Ronald Siu	Senior Engineer	3579 2452	2739 0076
		Mr. Edwin Chan	Engineer (Before 1 Mar 2021)	3579 2458	2739 0076
		Ms. Chan Ka Yan	Engineer (Since 1 Mar 2021)	3579 2458	2739 0076
AECOM Asia Co. Ltd. (AECOM)	Supervisor (act as Engineers' Representative (ER) listed in EM&A Manual)	Mr. Clive Cheng	CRE	3911 4201	3911 4288
Ramboll Hong Kong Limited (Ramboll)	Independent Environmental Checker (IEC)	Mr. Manson Yeung	IEC	9700 6767	3465 2899
Ka Shing Management Consultant Limited (Ka Shing)	Environmental Team (ET)	Mr. Chan Pang	ET Leader	6082 2973	2120 7752
Penta-Ocean Construction Co., Ltd. (Penta-Ocean)	Contractor	Ms. Juliet Ting	Environmental Officer (Before 16 Jan 2021)	9555 8820	3465 8898
		Mr. Tony Tang	Environmental Officer (16 Jan 2021 to 28 Feb 2021)	9433 2628	3465 8898
		Mr. Lulu Mar	Environmental Officer (Since 1 Mar 2021)	6845 0626	3465 8898

Works Area and Construction Programme

1.7 The construction works commenced on 20 January 2020. The construction programme of the Project is given in Appendix B.

Construction works undertaken during reporting period

1.8 Major construction works of the Project in the reporting period are summarized in Table 1.2:

Table 1.2 Major construction activities in the reporting period

January 2021	February 2021	March 2021
<ul style="list-style-type: none"> - Noise barrier - - Construction of footings - District Cooling System seawater intake box culvert - Construction of cofferdam - Landscaped Deck – - Construction of bored piles - Construction of base slab and walls of Underpass and South Depressed Road - North Approach Ramp – Construction of wall, intermediate slab and column - Bridge D3 – Construction of pile cap - North Depressed Road – Construction of wall / dismantling of wailing & strut of cofferdam - Underpass – Excavation - South Approach Ramp – Installation of sheet pile and excavation - Lift 3 – Construction of cofferdam for footing 	<ul style="list-style-type: none"> - North Approach Ramp – Construction of wall, intermediate slab and column - Bridge D3 – Construction of pile cap & pier - North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam - Underpass – Excavation and construction of base slab - South Approach Ramp – Installation of sheet pile and excavation - Landscaped Deck – Construction of bored piles - District Cooling System seawater intake box culvert – Construction of cofferdam - Noise barrier – Installation of steel structure and PMMA panel - Lift 3 – Construction of cofferdam for footing 	<ul style="list-style-type: none"> - North Approach Ramp – Construction of wall, intermediate slab and column - Bridge D3 – Construction of pile cap and pier - North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam - Underpass – Excavation and construction of base slab - South Approach Ramp – Installation of sheet pile and excavation - Landscaped Deck – Construction of bored piles - District Cooling System seawater intake box culvert – Construction of cofferdam and box structure - Noise barrier – Installation of steel structure and PMMA panel - Lift 3 – Construction of cofferdam for footing - Lift 4 – Excavation for footing - South Depressed Road –

January 2021	February 2021	March 2021
		Excavation and Installation of Lateral Support works

2. SUMMARY OF EM&A REQUIREMENTS AND MONITORING RESULTS

Monitoring Requirements

2.1 In accordance with EM&A Manuals (EIA Register Nos. AEIAR-130/2009), impact air quality monitoring and impact noise monitoring shall be carried out during the construction phase of the Project.

Air Quality Monitoring Locations

2.2 Three designated monitoring stations were selected for air quality monitoring programme. Impact air quality monitoring was conducted at three air quality monitoring stations in the reporting period. Table 2.1 describes the air quality monitoring locations, which are also depicted in Figure 5.

Table 2.1 Locations of air quality monitoring stations

Air Quality Monitoring Locations for the Project	Location of Measurement
AM3 - Sky Tower	Podium floor near T7
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	Rooftop
AM7 – Hong Kong Children's Hospital	Rooftop

Air Quality Monitoring Parameters, Frequency and Duration

2.3 The air quality monitoring locations and monitoring frequency are listed in Table 2.2.

Table 2.2 Air quality monitoring parameters, frequency and duration

Air Monitoring Station	Location for Measurement	Parameter	Duration	Frequency
AM3 - Sky Tower	Podium floor near T7			
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	Rooftop	- 24-hour average TSP	- 24 hours	- Once every 6 days
		- 1-hour	- 1 hour	- Three times

Air Monitoring Station	Location for Measurement	Parameter	Duration	Frequency
AM7 - Hong Kong Children's Hospital	Rooftop	average TSP		every 6 days

Air Quality Monitoring Equipment

2.4 24-hour average TSP and 1-hour average TSP levels were measured for impact monitoring. 24-hour average TSP levels were measured by the High Volume Samplers (HVS) and 1-hour average TSP levels were measured by direct reading method to indicate short-term impacts. Wind data monitoring equipment was set up at conspicuous locations for logging wind speed and wind direction near to the dust monitoring locations. Table 2.3 summarizes the equipment to be used in the air quality monitoring.

Table 2.3 Air Quality Monitoring Equipment

Equipment	Model	Quantity
HVS Sampler	TE-5170 X c/w of TSP sampling inlet	3
Calibrator	TISCH TE-5025A	1
1-hour TSP Dust Meter	TSI Model AM510 SidePak Personal Aerosol Monitor	3
Wind Anemometer	Davis Vantage Pro2 Weather Station	1

2.5 High volume samplers (HVS) (TE-5170 X c/w of TSP sampling inlet) comprising with appropriate sampling inlets were employed for 24-hour TSP monitoring. The sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complied with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50).

Air Quality Monitoring Methodology and QA/QC Procedure

24-hour TSP Monitoring

Operating/Analytical Procedures

2.6 Setup criteria of HVS are shown as follows:

- A horizontal platform with appropriate support to secure the samplers against gusty wind was provided.
- No two samplers were placed less than 2m apart.

- The distance between the sampler and an obstacle, such as buildings, was at least twice the height that the obstacle protrudes above the sampler.
- A minimum of 2m of separation from walls, parapets and penthouses was set for the rooftop samples.
- A minimum of 2m separation from any supporting structure, measured horizontally was set.
- No furnaces or incineration flues was nearby.
- Airflow around the sampler was unrestricted.
- Any wire fence and gate, to protect the samplers, was not caused any obstruction during monitoring.
- Permission were obtained to setup the samplers and to obtain access to the monitoring stations.
- A secured supply of electricity was provided to operate the samplers.

2.7 Prior to the commencement of the dust sampling, the flow rate of the HVS was properly set (between $1.1 \text{ m}^3/\text{min.}$ and $1.7 \text{ m}^3/\text{min.}$) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50.

2.8 For TSP sampling, Glass Fiber Filter Media 8" x 10" have a collection efficiency of > 99 % for particles of $0.3 \mu\text{m}$ diameter were used.

2.9 The power supply was checked to ensure the sampler worked properly and then placed any filter media at the designated air monitoring station

2.10 The filter holding frame was removed by loosening the four nuts and a weighted and conditioned filter was carefully centered with the stamped number upwards, on a supporting screen.

2.11 The filter was aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame was tightened to the filter holder with swing bolts. The applied pressure was sufficient to avoid air leakage at the edges.

2.12 The shelter lid was closed and secured with the aluminium strip.

2.13 The timer was programmed. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).

2.14 After sampling, the filter was removed from the HVS and put into a clean and labeled seal plastic bag to avoid cross contamination. The elapsed time was also be recorded. The sampled filters were sent to the Castco Testing Centre Limited for weighting.

2.15 Before weighing, all filters were equilibrated in a conditioning environment for 24 hours. The conditioning environment temperature was between 25°C and 30°C and not vary by more than $\pm 3^\circ\text{C}$; the relative humidity (RH) was less than 50% and not vary by more than $\pm 5\%$. A convenient working RH is 40%.

Maintenance/Calibration

2.16 The following maintenance/calibration are required for the HVS:

- The HVS and their accessories were properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking were made to ensure that the equipment and necessary power supply are in good working condition.
- High volume samplers were calibrated with at bi-monthly intervals using TE-5025A Calibration Kit throughout all stages of the air quality monitoring.

1-hour TSP Monitoring

Measurement Procedures

2.17 The measurement procedures of the 1-hour TSP were conducted in accordance with the Manufacturer's Instruction Manual as follows:

- Set up the dust meter on a tripod at 1.2m level.
- Turned on the dust meter and check the battery, if too low, change new ones. Pointed the meter to the source area or the planned measurement area.
- The zero calibration of the instrument was conducted before and after each sampling.
- TSP levels were recorded for 1-hour with 5-minute data logging interval.
- Recorded down the general meteorological conditions, Test ID no., start/end time, spot checking reading at each sampling location for data processing.
- Recorded any activities that may generate dust during measurement period.

Maintenance/Calibration

2.18 The following maintenance/calibration are required for the direct dust meters:

- To validate the accuracy of dust meter, compare the results measured by dust meter and HVS by direct reading method every 12 months throughout all stages of the air quality monitoring.

Wind Data Monitoring

2.19 Wind Anemometer was installed at the roof-top of AM7 - Hong Kong Children's Hospital with 10m above ground and clear of constructions or turbulence caused by the buildings to record wind speed and wind direction.

2.20 Details of weather information during the monitoring period are shown in Appendix C.

Impact Air Quality Action and Limit Levels

2.21 The Action and Limit Levels of 24-hour average TSP and 1-hour average TSP are summarized in Table 2.4 and Table 2.5 respectively.

Table 2.4 Action and Limit Levels of 24-hour average TSP for construction dust monitoring

Parameter	Air Monitoring Station	Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
24-hour average TSP	AM3	182	260
	AM4(A)	187	260
	AM7	181	260

Table 2.5 Action and Limit Levels of 1-hour average TSP for construction dust monitoring

Parameter	Air Monitoring Station	Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
1-hour average TSP	AM3	297	500
	AM4(A)	326	500
	AM7	315	500

Impact Air Quality Monitoring results

2.22 Impact monitoring results for 24-hour average TSP and 1-hour average TSP levels at the designed air quality monitoring stations are summarized in Table 2.6 and Table 2.7 respectively.

Table 2.6 Summary of 24-hour average TSP monitoring data during the reporting period

Air Monitoring Station	January 2021		February 2021		March 2021		Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$		
AM3	87	61 – 116	81	35 – 127	72	41 – 156	182	260
AM4(A)	90	85 – 95	97	21 – 137	94	59 – 174	187	260
AM7	85	67 – 122	85	23 – 138	72	40 – 161	181	260

Table 2.7 Summary of 1-hour average TSP monitoring data during the reporting period

Air Monitoring Station	January 2021		February 2021		March 2021		Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$		
AM3	82	58 – 104	52	28 – 91	60	27 – 134	297	500
AM4(A)	84	70 – 98	64	18 – 96	70	39 – 140	326	500
AM7	82	57 – 95	53	14 – 77	61	31 – 115	315	500

2.23 There was no Action and Limit Level exceedance of 24-hour average TSP and 1-hour average TSP levels recorded during the reporting period.

2.24 Graphical presentation and detailed monitoring results of 24-hour average TSP and 1-hour average TSP levels are shown in Appendix D.

2.25 The Event and Action Plan is provided in Appendix E.

2.26 Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.

Noise Monitoring Locations

2.27 Two designated monitoring stations were selected for noise monitoring programme. Impact noise monitoring was conducted at two noise monitoring stations in the reporting period. Table 2.8 describes the noise monitoring locations, which are also depicted in Figure 6.

Table 2.8 Locations of noise monitoring stations

Noise Monitoring Locations for the Project	Location of Measurement
M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	Rooftop (Façade)
M12 - Hong Kong Children's Hospital	Rooftop (Façade)

Noise Monitoring Parameters, Frequency and Duration

2.28 The noise monitoring locations and monitoring frequency are listed in Table 2.9.

Table 2.9 Noise monitoring parameters, frequency and duration

Noise Monitoring Station	Location for Measurement	Parameter	Frequency and Duration
M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	Rooftop (Façade)	L_{Aeq} , L_{A10} and L_{A90}	30 - minutes measurement at each monitoring station between 0700 – 1900 hrs on normal weekdays (Monday to Saturday) at frequency of once per week.
M12 - Hong Kong Children's Hospital	Rooftop (Façade)		

Noise Monitoring Equipment

2.29 As referred to in the Technical Memorandum (TM) issued under the Noise Control Ordinance (NCO), sound level meters in compliance with the IEC 61672-1 (Type 1) standard [this standard replaced the International Electrotechnical Commission Publications 60651:1979 (Type 1) and 60804:1985 (Type 1)] were used for noise monitoring. Table 2.10 summarizes the equipment to be used in the noise monitoring.

Table 2.10 Noise Monitoring Equipment

Equipment	Model	Quantity
Sound Level Meter	RION NL52	2
Sound Level Calibrator	RION NC 74	2
Air Flowmeter	TSI TA440 Air Velocity	3

Monitoring Methodology and QA/QC Procedure

- 2.30 The noise level measurement was conducted at 1m from the exterior of the nearby noise sensitive receivers building façade and at 1.2m above the ground and facing to the source area or the planned measurement area.
- 2.31 No noise measurement was conducted in the presence of fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. Air flow was measured by air flow meter.
- 2.32 Turned on the sound level meter and check the battery, if too low, change new ones.
- 2.33 Calibration was conducted immediately prior to and after each noise measurement, the accuracy of the sound level meters was checked by using sound calibrator generating 1,000 Hz with 94dB. Measurement data was found to be valid only if the calibration levels from before and after the noise measurement agreed to within 1.0 dB.
- 2.34 Noise level was recorded.
- 2.35 Recorded any activities that may generate noise during measurement period.

Maintenance and Calibration

- 2.36 The microphone head of the sound level meter and calibrator was cleaned with a soft cloth at quarterly intervals.
- 2.37 The sound level meter and sound calibrator were calibrated annually.
- 2.38 Calibration for sound level meter was conducted immediately prior to and following each noise measurement by using sound calibrator generating a known sound pressure level at a known frequency (1,000 Hz with 94dB). Measurements may be accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.

Impact Noise Action and Limit Levels

2.39 The Baseline Noise Levels and Action and Limit Levels for construction noise is presented in Table 2.11.

Table 2.11 Baseline noise level and Action and Limit Levels for construction noise monitoring

Time Period	Noise Monitoring Station	Baseline Noise Levels, dB (A)	Action Level	Limit Level ^
0700 – 1900 on normal weekdays	M11	68.3	When one documented complaint is received.	75 dB(A)
	M12	61.9		

Note: ^ If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

Impact Noise Monitoring results

2.40 Impact noise monitoring results at the designed noise monitoring stations are summarized in Table 2.12.

Table 2.12 Summary of noise monitoring data during the reporting period

Noise Monitoring Station	January 2021		February 2021		March 2021		Action Level	Limit Level ^
	Measured $L_{Aeq, 30-min}$, Average, dB(A)	Measured $L_{Aeq, 30-min}$, Range, dB(A)	Measured $L_{Aeq, 30-min}$, Average, dB(A)	Measured $L_{Aeq, 30-min}$, Range, dB(A)	Measured $L_{Aeq, 30-min}$, Average, dB(A)	Measured $L_{Aeq, 30-min}$, Range, dB(A)		
M11	69.3	67.1 – 70.7	69.7	62.8 – 72.1	70.8	67.8 – 71.6	When one documented complaint is received	75 dB(A)
M12	68.5	67.2 – 70.3	65.2	64.2 – 67.0	67.3	65.8 – 68.7		

Note: ^ If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

2.41 There were no Action Level exceedance of noise monitoring and Limit Level exceedance of $L_{Aeq, 30min}$ recorded during the reporting period.

2.42 Graphical presentation and detailed monitoring results of impact noise are shown in Appendix D.

2.43 The Event and Action Plan is provided in Appendix E.

2.44 Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.

Comparison of EM&A Results with EIA Predictions

2.45 The environmental impacts predictions were given in Agreement No. CE 35/2006(CE) Kai Tak Development Engineering Study cum Design and Construction of Advance Works - Investigation, Design and Construction - Kai Tak Development Environmental Impact Assessment Report, EIA Register Nos. AEIAR-130/2009 for Kai Tak Development (The EIA Report). The EM&A data was compared with the EIA predictions as summarized in Table 2.13 to Table 2.15.

Table 2.13 Comparison of 24-hour average TSP monitoring data with EIA predictions

Air Monitoring Station	ASR No. in EIA report	Predicted Cumulative Maximum 24-hr average TSP concentration		Measured 24-hr average TSP in Reporting Month (January 2021) $\mu\text{g}/\text{m}^3$	Measured 24-hr average TSP in Reporting Month (February 2021) $\mu\text{g}/\text{m}^3$	Measured 24-hr average TSP in Reporting Month (March 2021) $\mu\text{g}/\text{m}^3$
		Scenario 1 (Mid 2009 to Mid 2013), $\mu\text{g}/\text{m}^3$	Scenario 2 (Mid 2013 to Late 2016), $\mu\text{g}/\text{m}^3$			
AM3 - Sky Tower	A40^	106	138	61 – 116	35 – 127	41 – 156
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	A43^	123	195	85 – 95	21 – 137	59 – 174
AM7 – Hong Kong Children's Hospital	PA60	NA	NA	67 – 122	23 – 138	40 – 161

Note:

^ Prediction results are given in the Table 3.13 of the EIA report EIA Register Nos. AEIAR-130/2009 for Kai Tak Development.

Table 2.14 Comparison of 1-hour average TSP monitoring data with EIA predictions

Air Monitoring Station	ASR No. in EIA report	Predicted Cumulative Maximum 1-hour average TSP concentration		Measured 1-hr average TSP in Reporting Month (January 2021) $\mu\text{g}/\text{m}^3$	Measured 1-hr average TSP in Reporting Month (February 2021) $\mu\text{g}/\text{m}^3$	Measured 1-hr average TSP in Reporting Month (March 2021) $\mu\text{g}/\text{m}^3$
		Scenario 1 (Mid 2009 to Mid 2013), $\mu\text{g}/\text{m}^3$	Scenario 2 (Mid 2013 to Late 2016), $\mu\text{g}/\text{m}^3$			
AM3 - Sky Tower	A40	217 [^]	247 [^]	58 – 104	28 – 91	27 – 134
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	A43	283 [^]	409 [^]	70 – 98	18 – 96	39 – 140
AM7 – Hong Kong Children's Hospital	PA60	NA	NA	57 – 95	14 – 77	31 – 115

Note:

[^] Prediction results are given in the Table 3.13 of the EIA report EIA Register Nos. AEIAR-130/2009 for Kai Tak Development.

Table 2.15 Comparison of noise monitoring data with EIA predictions

Noise Monitoring Station	NSR No. in EIA report	Predicted Mitigated Construction Noise Levels during Normal Daytime Working Hour $L_{Aeq, 30min}, \text{dB(A)}$	Measured Noise Level in Reporting Month (January 2021) $L_{Aeq, 30min}, \text{dB(A)}$	Measured Noise Level in Reporting Month (February 2021) $L_{Aeq, 30min}, \text{dB(A)}$	Measured Noise Level in Reporting Month (March 2021) $L_{Aeq, 30min}, \text{dB(A)}$
M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	N18	50 – 76*	67.1 – 70.7	62.8 – 72.1	67.8 – 71.6
M12 - Hong Kong Children's Hospital	PN83, PN84, PN84A	NA	67.2 – 70.3	64.2 – 67.0	65.8 – 68.7

Note:

* Prediction results are given in the Table 3.20 of the EIA report EIA Register Nos. AEIAR-130/2009 for Kai Tak Development.

2.46 24-hour TSP monitoring results recorded in January and February 2021 at AM3 were higher than the Scenario 1 (Mid 2009 to Mid 2013) prediction but lower than the Scenario 2 (Mid 2013 to Late 2016) prediction in the EIA Report. 24-hour TSP monitoring results recorded in March 2021 at AM3 were higher than the Scenario 1 (Mid 2009 to Mid 2013) prediction and also the Scenario 2 (Mid 2013 to Late 2016) prediction in the EIA Report. Non-project related

construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.

2.47 24-hour TSP monitoring results recorded in January 2021 at AM4(A) were lower than the Scenario 1 (Mid 2009 to Mid 2013) prediction and the Scenario 2 (Mid 2013 to Late 2016) prediction in the EIA Report. 24-hour TSP monitoring results recorded in February and March 2021 at AM4(A) were higher than the Scenario 1 (Mid 2009 to Mid 2013) prediction but lower than the Scenario 2 (Mid 2013 to Late 2016) prediction in the EIA Report. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.

2.48 No prediction in the EIA Report for 24-hour TSP monitoring results at AM7.

2.49 1-hour TSP monitoring results at AM3, AM4(A) recorded in the reporting period were recorded lower than the prediction in the EIA Report.

2.50 No prediction in the EIA Report for 1-hour TSP monitoring results at AM7.

2.51 Noise monitoring results at M11 recorded in the reporting period were lower than the prediction in the EIA Report.

2.52 No prediction in the EIA Report for noise monitoring results at M12.

3. LANDSCAPE AND VISUAL MONITORING

3.1 In accordance with EM&A Manuals (EIA Register Nos. AEIAR-130/2009 and AEIAR-170/2013), Landscape and Visual Monitoring shall be carried out during the construction phase of the Project. Regular impact monitoring will be conducted at least once per week.

3.2 Site inspections were carried out on a weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site.

3.3 The summaries of site audits are attached in Table 3.1.

Table 3.1 Summary of observations of Landscape and Visual impact during the reporting period

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
7 January 2021	NA	NA	NA
13 January 2021	NA	NA	NA
21 January 2021	NA	NA	NA
28 January 2021	NA	NA	NA
5 February 2021	NA	NA	NA
9 February 2021	NA	NA	NA
18 February 2021	NA	NA	NA
25 February 2021	NA	NA	NA
4 March 2021	NA	NA	NA
11 March	NA	NA	NA

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
2021			
18 March 2021	NA	NA	NA
25 March 2021	NA	NA	NA

3.4 Should non-compliance of the landscape and visual impact occur, action in accordance with the action plan presented in Appendix E shall be performed.

4. SOLID AND LIQUID WASTE MANAGEMENT

- 4.1 The amount of wastes generated by the major site activities of the work contracts within the Project during the reporting period is shown in Appendix F.
- 4.2 The Contractor was registered as a chemical waste producer for the Project. The Contractor was reminded that chemical waste containers should be properly treated and stored temporarily in designated chemical waste storage area on site in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.
- 4.3 Mitigation measures recommended in the EIA Report were implemented by the Contractor where applicable and were considered effective in reduction the waste generation during the reporting period.

5. ENVIRONMENTAL SITE INSPECTION AND AUDIT

Site Inspection

- 5.1 Site inspections were carried out on a weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site.
- 5.2 All follow-up actions requested by ET and/or IEC during site inspections were undertaken by the Contractor and ET reviewed the effectiveness in the following weekly site inspection.
- 5.3 The summaries of site audits are attached in Table 5.1.

Table 5.1 Summary of site inspections observations during the reporting period

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
7 January 2021	NA	NA	NA
13 January 2021	NA	NA	NA
21 January 2021	NA	NA	NA
28 January 2021	Observation: The open stockpiles of construction materials on sites were not covered.	Action Taken: The open stockpiles of construction materials on sites were covered except the working area.	Closed-out 5 February 2021
5 February 2021	Observation: No drip tray was provided under the diesel container	Action Taken: Drip tray was provided to dispatch the diesel container.	Closed-out 9 February 2021
9 February 2021	NA	NA	NA
18 February 2021	Observation: The open stockpiles of construction materials on sites were not covered.	Action Taken: The open stockpiles of construction materials on sites were covered.	Closed-out 25 February 2021
25 February 2021	Observation: The open stockpiles of construction materials on sites	Follow-up: The open stockpiles of construction materials on sites	Closed-out 11 March 2021

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
	were not covered.	were still not covered.	
4 March 2021	Observation: The open stockpiles of construction materials on sites were not covered.	Action Taken: Stockpiles were covered.	Closed-out 11 March 2021
11 March 2021	Observation: The contractor was reminded to remove the domestic waste regularly as lots of flies flying around.	Action Taken: The waste was removed.	Closed-out 18 March 2021
18 March 2021	Observation: The construction effluent was not collected properly.	Action Taken: The construction effluent leakage was fixed.	Closed-out 25 March 2021
25 March 2021	NA	NA	NA

Implementation Status of Environmental Mitigation Measures

5.4 The Contractor has implemented environmental mitigation measures and requirement as stated in the EIA reports, the EPs and the EM&A Manuals. The implementation status of the mitigation measures during the reporting period is summarized in Appendix G.

6. SUMMARY OF NON-COMPLIANCE STATUS

Breaches of Action and Limit Levels

- 6.1 1-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [AM4(A)], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted between 5 and 25 January 2021.
- 6.2 24-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [AM4(A)], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted between 5 and 25 January 2021.
- 6.3 Construction noise monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [M11], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted between 5 and 25 January 2021.
- 6.4 Summary of the non-compliance in the reporting period for the Project is tabulated in Table 6.1.

Table 6.1 Non-compliance record in the reporting period

Parameter	Reporting Period	No. of Exceedance		Action Taken
		Action Level	Limit Level	
1-hr TSP	January 2021	0	0	N/A
	February 2021	0	0	N/A
	March 2021	0	0	N/A
24-hr TSP	January 2021	0	0	N/A
	February 2021	0	0	N/A
	March 2021	0	0	N/A
Construction noise	January 2021	0	0	N/A
	February 2021	0	0	N/A
	March 2021	0	0	N/A

Environmental Complaint and Non-compliance

6.5 No complaint was received in the reporting period. Summary of complaints in the reporting period is tabulated in Table 6.2.

Table 6.2 Summary of complaints in the reporting period

Date of complaint received	Date of complaint	Description of complaint	Investigation / Recommendations / Action take	Close-out date / Status
No complaint was received in the reporting month.	NA	NA	NA	NA

6.5 Complaint log is shown in Appendix H.

Notifications of summons and successful prosecutions

6.6 No notification of summons and successful prosecutions was received in the reporting period. Summary of summons and successful prosecutions in the reporting period is tabulated in Table 6.3.

Table 6.3 Summary of summons and successful prosecutions in the reporting period

Date of receiving notification of summons or prosecutions	Date of event	Description of event	Action take	Close-out date / Status
No notification of summons and successful prosecutions were received in the reporting period.	NA	NA	NA	NA

6.7 The summaries of cumulative environmental complaint, warning, summon and notification of successful prosecution for the Project is presented in Appendix H.

7. COMMENTS, RECOMMENDATIONS AND CONCLUSIONS

Comments

- 7.1 Mitigation measures in the EM&A Manuals were implemented during the reporting period. The effectiveness and efficiency of the mitigation measures were reviewed during the weekly environmental site inspection and audit.
- 7.2 Environmental monitoring works (air quality and construction noise) were performed in the reporting period to monitor the environmental impacts from the Project site.
- 7.3 Based on the observations from the site inspection and reviewing the environmental monitoring results, it would be considered that the mitigation measures were effective and efficient in controlling the environmental impacts generated from the construction activities of the Project site.

Recommendations

- 7.4 During the weekly environmental site inspection and audit performed in the reporting period, the following recommendations were provided:

Table 7.1 Summary of recommendations / reminders made in site inspections during the reporting period

Inspection Date	Recommendations / Reminder
7 January 2021	No
13 January 2021	No
21 January 2021	No
28 January 2021	The open stockpiles of construction materials on sites should be covered except the working area.
5 February 2021	Drip tray should be dispatched for the diesel container.
9 February 2021	No
18 February 2021	The open stockpiles of construction materials on sites should be covered.
25 February 2021	The open stockpiles of construction materials on sites should be covered.
4 March 2021	The open stockpiles should be covered.
11 March 2021	The contractor was reminded to remove the domestic waste regularly as lots of flies flying around.
18 March 2021	The construction effluent leakage should be fixed.

Inspection Date	Recommendations / Reminder
25 March 2021	No

Conclusions

- 7.5 Environmental monitoring works were performed in the reporting period and all monitoring results were checked and reviewed.
- 7.6 1-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. Due to the COVID-19 diagnosed case confirmed on 4 January 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [AM4(A)], the workshop was closed for cleaning and disinfection work from 5 to 25 January 2021. No impact monitoring was conducted between 5 and 25 January 2021.
- 7.7 24-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. Due to the COVID-19 diagnosed case confirmed on 4 January 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [AM4(A)], the workshop was closed for cleaning and disinfection work from 5 to 25 January 2021. No impact monitoring was conducted between 5 and 25 January 2021.
- 7.8 Construction noise monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. Due to the COVID-19 diagnosed case confirmed on 4 January 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [M11], the workshop was closed for cleaning and disinfection work from 5 to 25 January 2021. No impact monitoring was conducted between 5 and 25 January 2021.
- 7.9 No complaint was received in the reporting month.
- 7.10 No notification of summons and successful prosecutions was received in the reporting period.

Figure

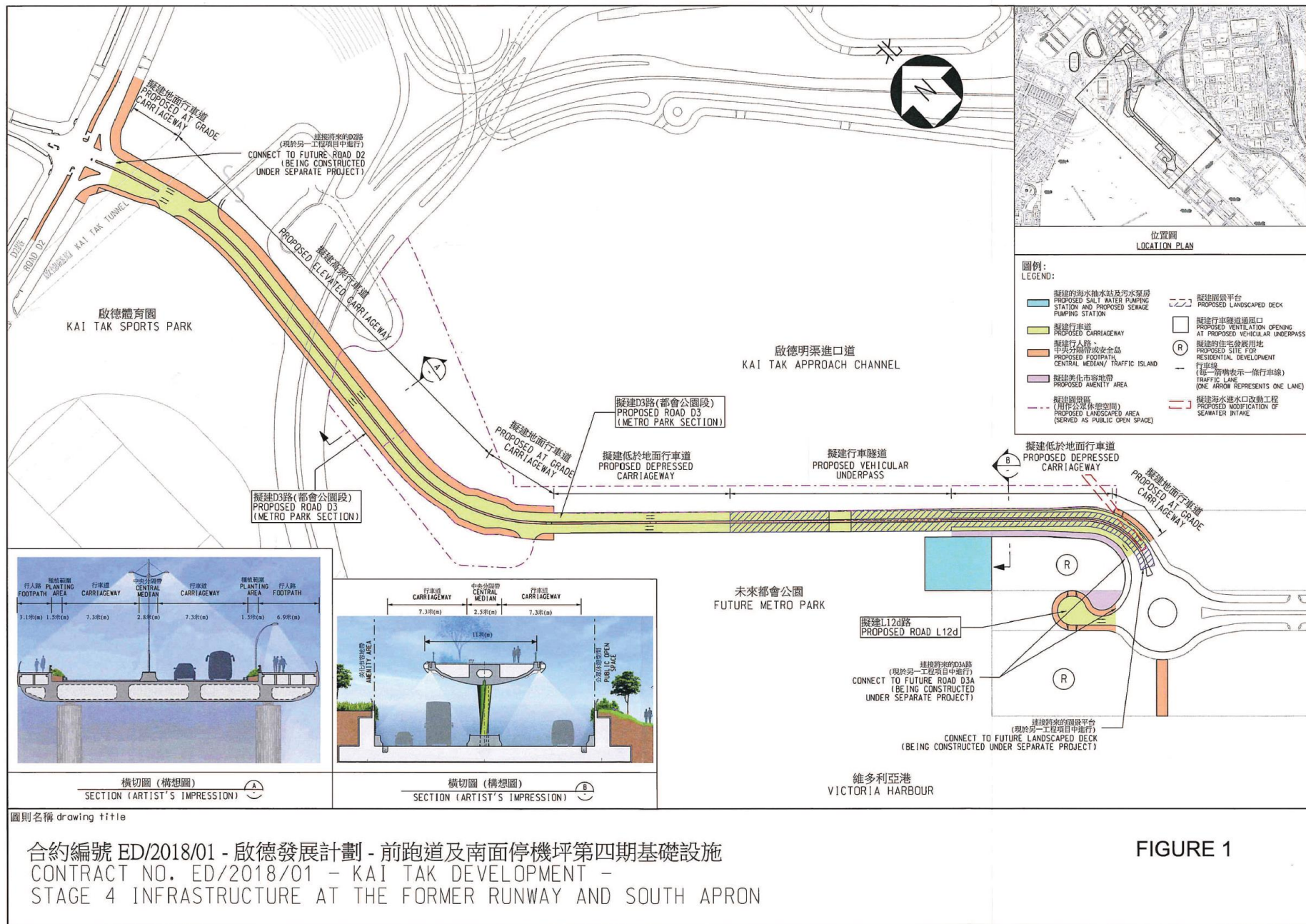


Figure 1 – Proposed works of Contract No. ED/2018/01

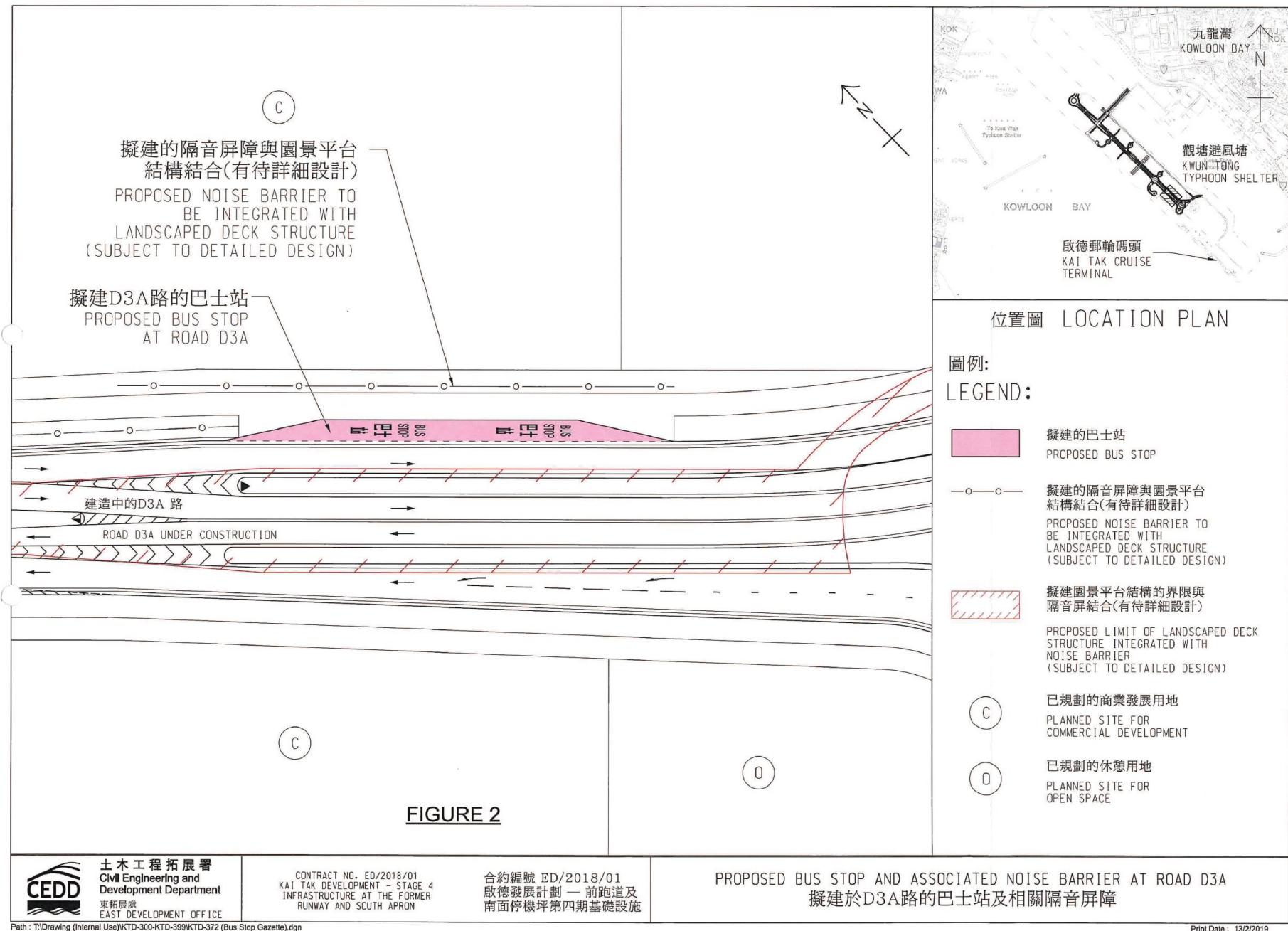


Figure 2 – Proposed Bus Stop And Associated Noise Barrier At Road D3A

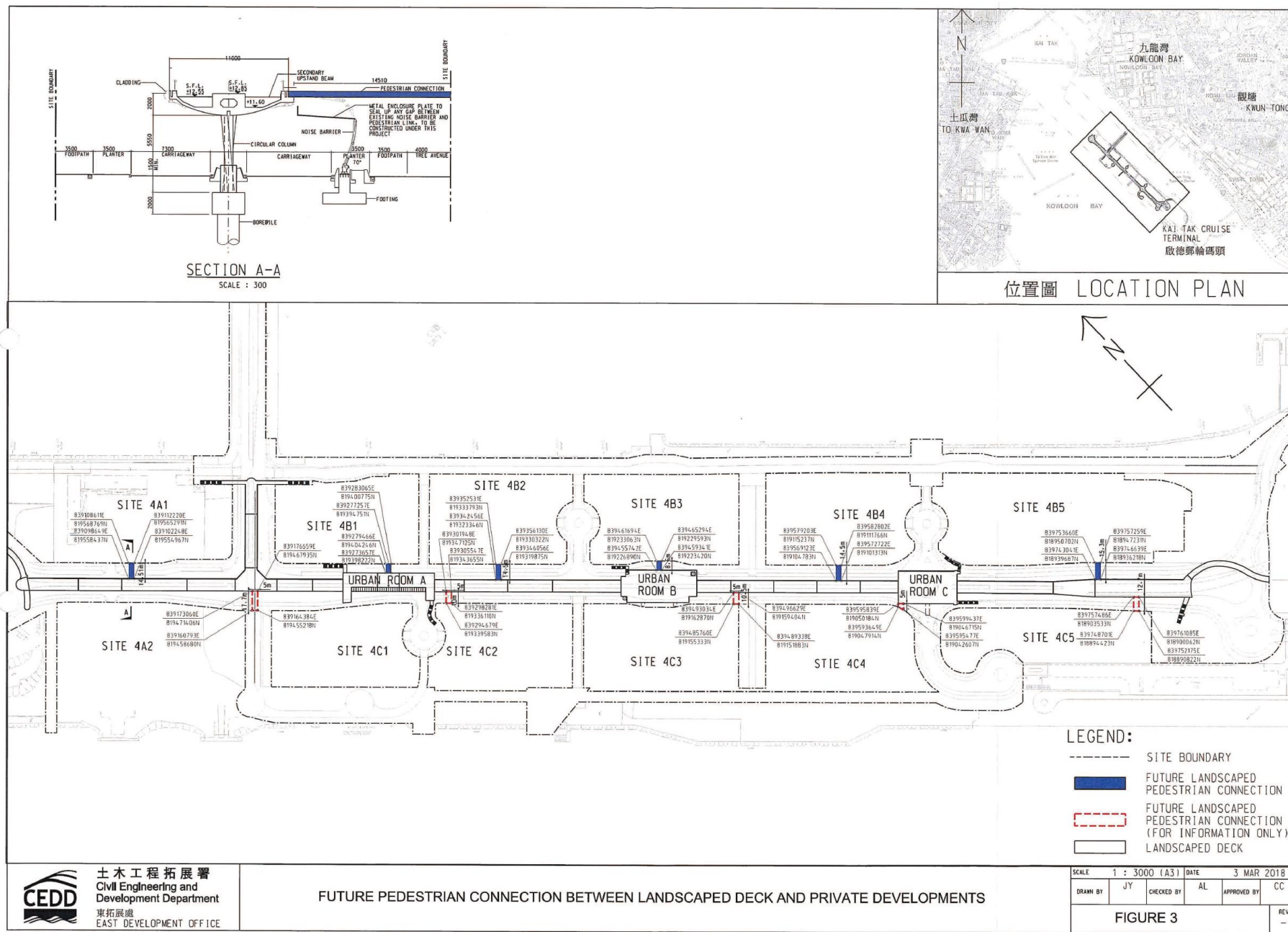


Figure 3 – Future Pedestrian Connection Between Landscaped Deck And Private Developments

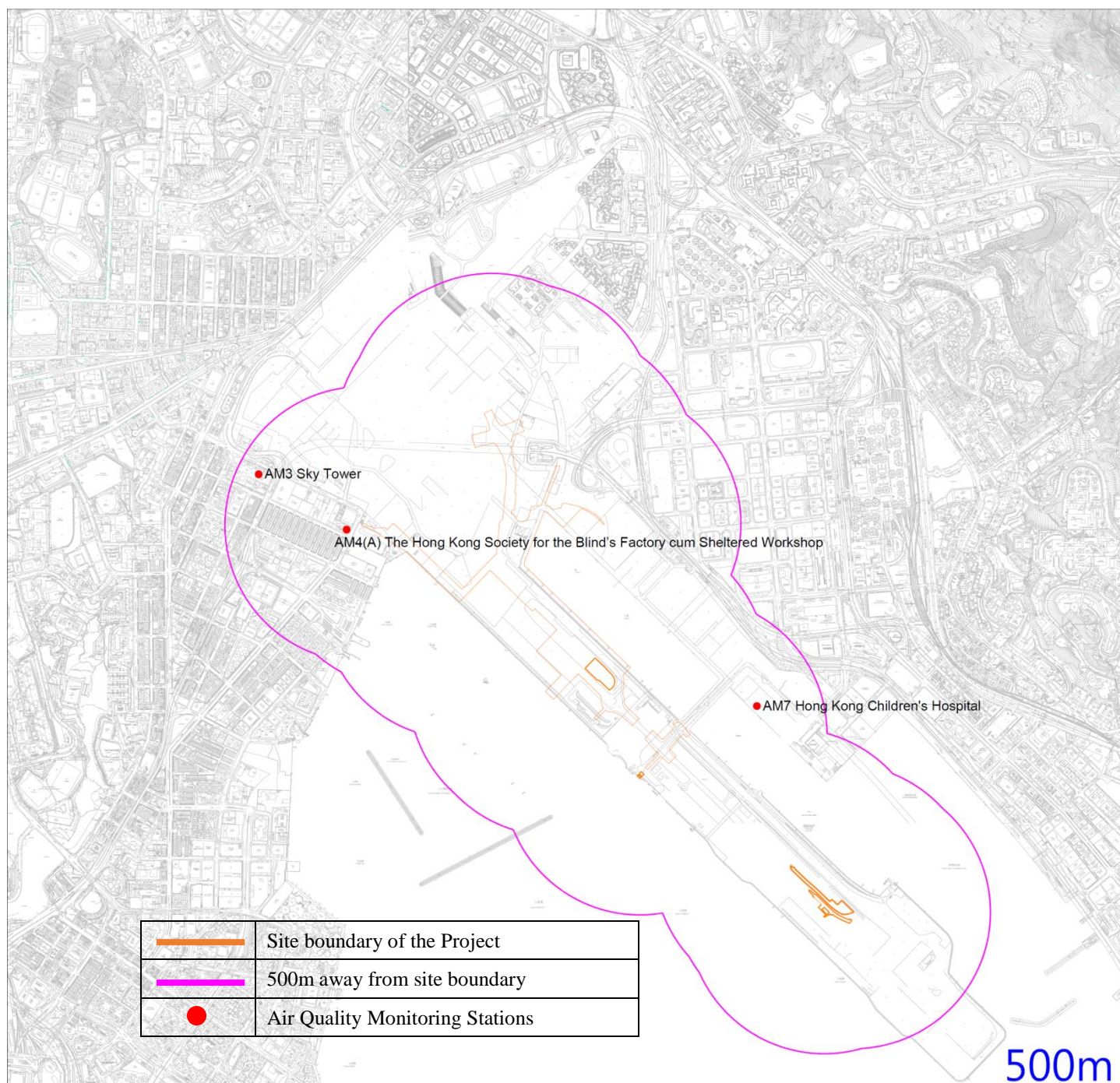


Figure 5 – Air Quality Monitoring Stations

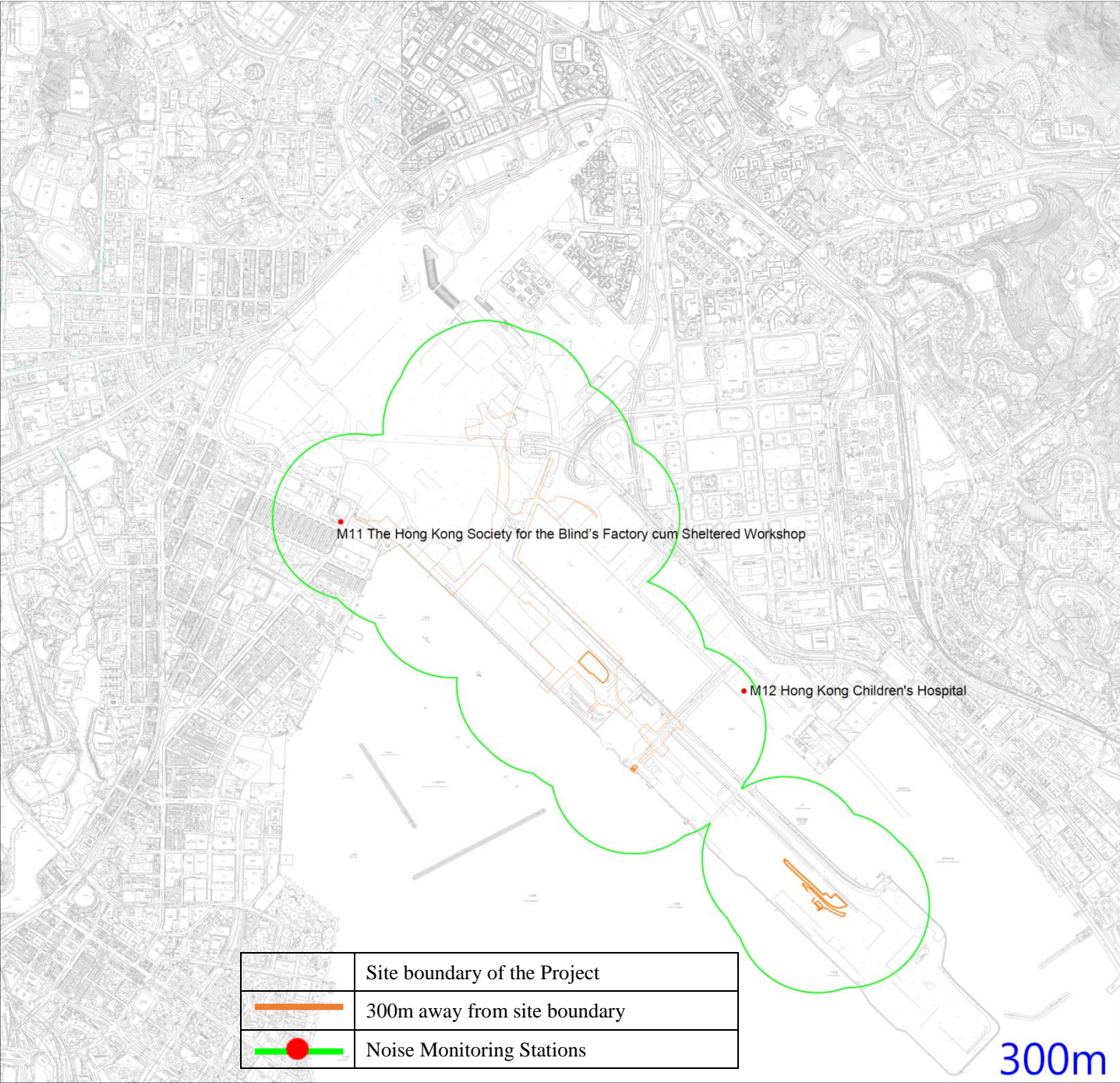
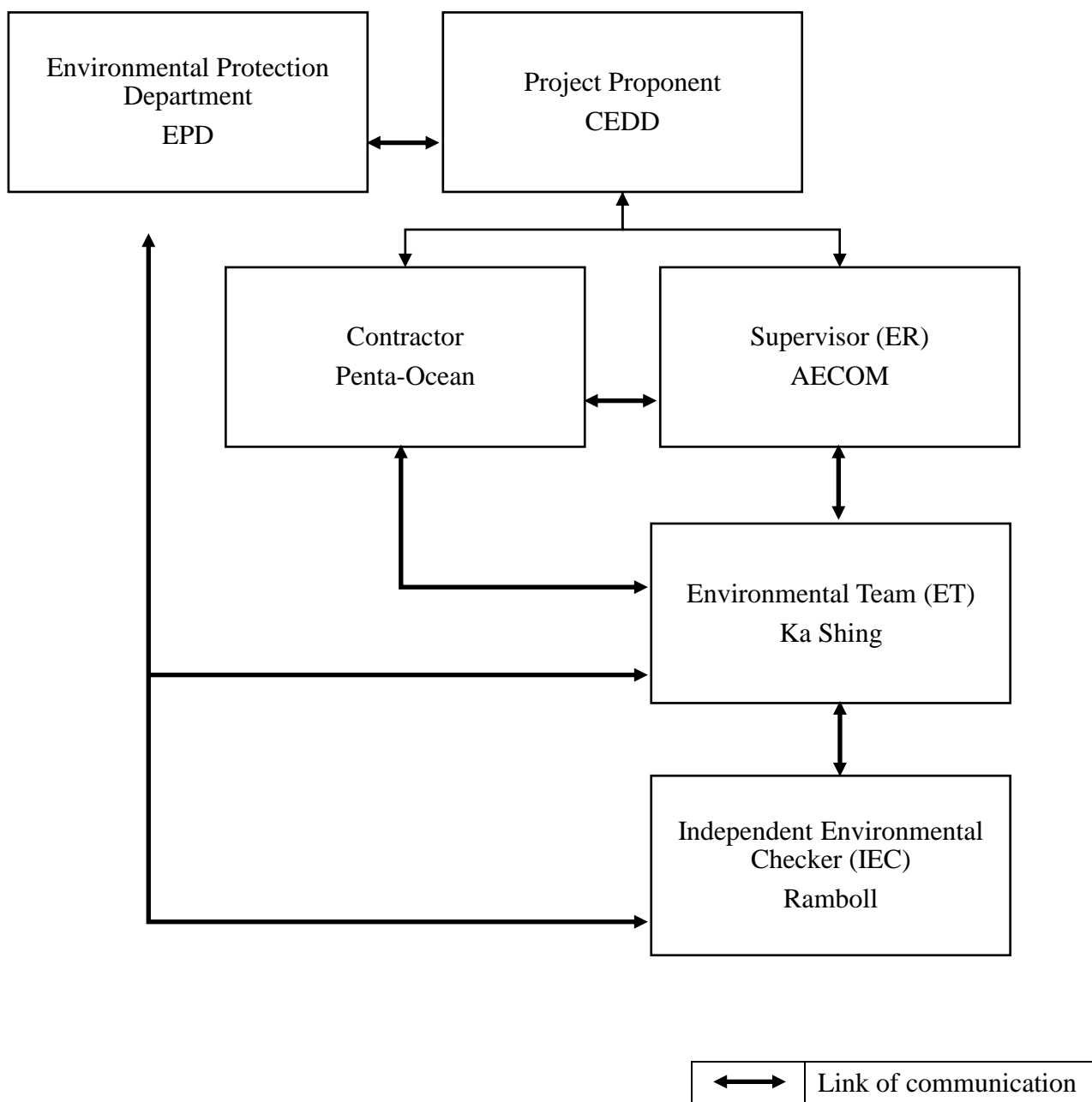


Figure 6 – Noise Monitoring Stations

Appendix A – Organization Chart of EM&A Team and Emergency Team



Penta-Ocean Construction Co., Ltd

Contract No. ED/2018/01 –Kai Tak development –
stage 4 infrastructure at the former runway and south apron

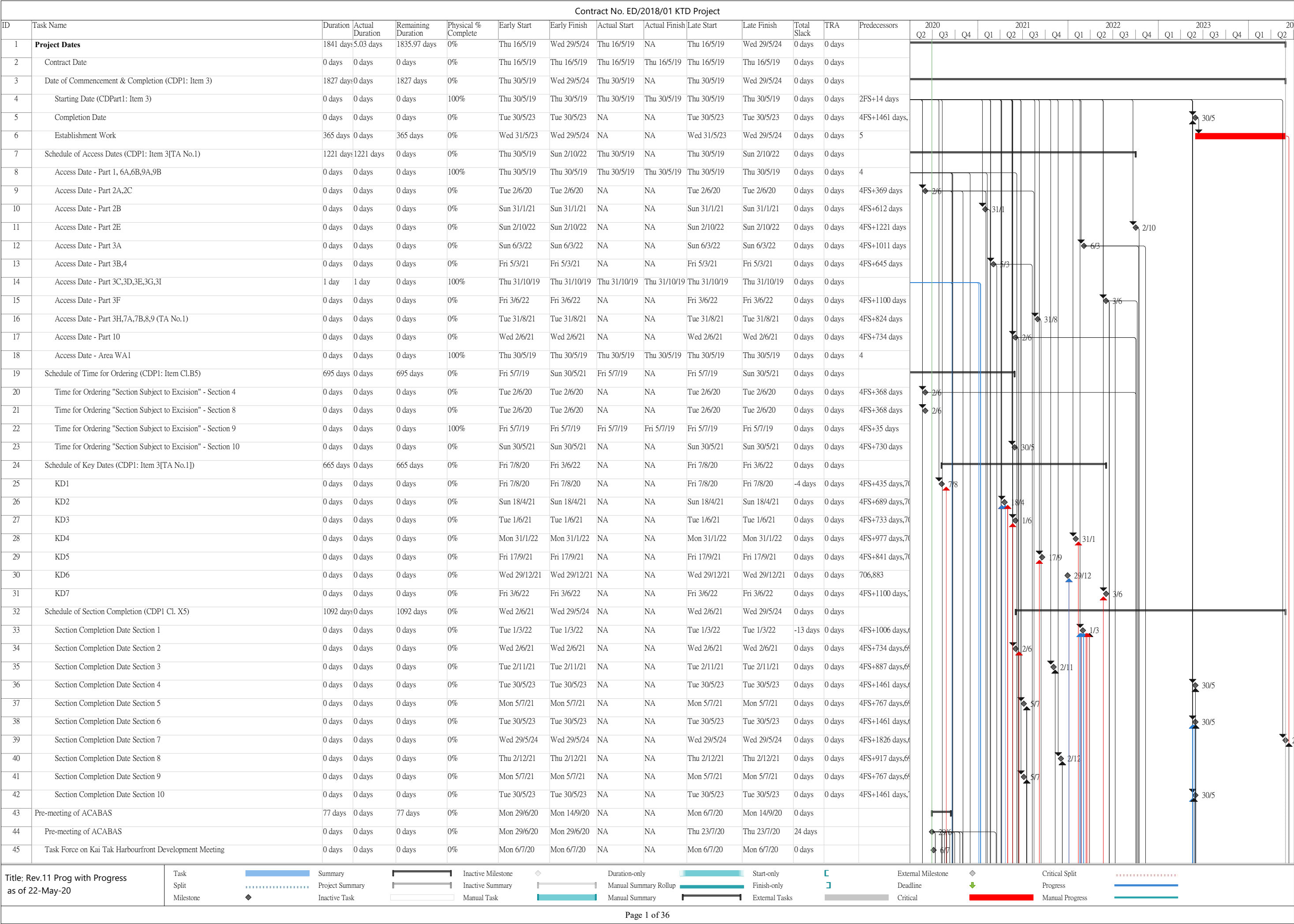


緊急應變小組成員及聯絡電話 Emergency Team Contact List

NAME 姓名	TEAM MEMBER 成員	POSITION 職位	TEL. 電話
Emergency Hotline : 9317-0821			
何先生 Daniel HO	總隊長 Emergency Coordinator	地盤代表 Site Agent	9271-6455
林先生 C. K. LAM	副隊長 Asst. Emergency Coordinator	地盤總管 Gerenal Foreman	9869-9978
鄧先生 Nelson TANG	副隊長 (急救員) Asst. Emergency Coordinator (First Aider)	安全經理 Safety Manager	9630 1923
蔣先生 Kay CHEUNG	副隊長 (急救員) Asst. Emergency Coordinator (First Aider)	安全主任 Safety Officer	9094-1110
梁先生 Kevin LEUNG	隊員 (急救員) Member (First Aider)	安全督導員 Safety Supervisor	6015-7981
鄧先生 Tony TANG	隊員 Member	助理地盤代表 Sub Agent	9433-2628
林先生 YS LAM	隊員 Member	電工 Electrician	9603-2722
Emergency Contact of Authorities / Utility Companies			
Authorities / Utility Companies 政府部門/公營機構名稱		Emergency Service Hotline 緊急服務召援電話	
Ambulance Console (Hotline) 救護車總機 (Serious Injury)		2735-3355	
Fire Station (Ma Tau Chung) 消防處 (馬頭涌消防局)		2711-0292	
Police Station (Ngau Tau Kok) 警署 (牛頭角分區)		3661-1626	
LabourDept (Enquiry Hotline) 勞工處		2717-1771	
Environmental Protection Dept 環保處		2802-3111	
Marine Dept 海事處			
Maritime Rescue Co-ordination Centre (24 hours)		2233-7999	
Marine Dept Harbour Division - Duty Officer		2885-9385	
E&MD Dept 機電工程		2882-8011 / 2333-3762	
Highways Dept (24hrs) 路政處熱線		2923-7766	
Utility Undertakers Companies			
China Light Power Ltd 中華電力	2728-8333	HK Observatory 香港天文台	2835-1473
Hong Kong Electric 港燈電力	2555-4999	Weather Enquiry 查詢天氣	1878-200
Town Gas 中華煤氣	2963-1811 / 2880-6999	Security Guard Service 保安	5725-2784
Water Supplies Dept 水務署	2824-5000	Drainage Services Dept 渠務署	2300-1110
PCCW Limited 電話公司	109		

REV. D

Appendix B – Construction Programme



[illegible]

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020				2021				2022				2023				20
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
130	Permanent Works Design Submission	1457 days	373.08 days	1083.92 days	0%	Thu 16/5/19	Thu 11/5/23	Thu 16/5/19	NA	Thu 16/5/19	Thu 11/5/23	0 days																			
131	General Design Submission	1443 days	955.46 days	487.54 days	0%	Thu 30/5/19	Thu 11/5/23	Thu 30/5/19	NA	Thu 30/5/19	Thu 11/5/23	0 days		4																	
132	Project Design Plan (Draft)	16 days	16 days	0 days	100%	Thu 30/5/19	Fri 14/6/19	Thu 30/5/19	Fri 14/6/19	Thu 30/5/19	Fri 14/6/19	0 days	1 day	4																	
133	Project Design Plan (Draft) Comment by PM	14 days	14 days	0 days	100%	Sat 15/6/19	Fri 28/6/19	Sat 15/6/19	Fri 28/6/19	Sat 15/6/19	Fri 28/6/19	0 days	1 day																		
134	Address Comments	120 days	66 days	54 days	55%	Tue 2/7/19	Wed 15/7/20	Tue 2/7/19	NA	Tue 2/7/19	Thu 11/5/23	1030 d...	1 days	132	...																
135	Project Design Plan (Final)	54 days	54 days	0 days	100%	Thu 5/9/19	Tue 29/10/19	Thu 5/9/19	Tue 29/10/19	Thu 5/9/19	Tue 29/10/19	0 days	1 days	134																	
136	Design Memorandum (include E&M Provision) (Draft)	26 days	26 days	0 days	100%	Tue 4/6/19	Sat 29/6/19	Tue 4/6/19	Sat 29/6/19	Tue 4/6/19	Sat 29/6/19	0 days	1 days	132																	
137	Address Comments	15 days	15 days	0 days	100%	Thu 1/8/19	Thu 15/8/19	Thu 1/8/19	Thu 15/8/19	Thu 1/8/19	Thu 15/8/19	0 days	1 days	136																	
138	Design Memorandum Include E&M Provision (Final)	59 days	59 days	0 days	100%	Tue 23/7/19	Sun 17/11/19	Tue 23/7/19	Sun 17/11/19	Tue 23/7/19	Sun 17/11/19	0 days	1 days	137																	
139	Traffic Impact Assessment(Draft)	62 days	62 days	0 days	100%	Wed 18/9/19	Mon 18/11/19	Wed 18/9/19	Mon 18/11/...	Wed 18/9/19	Mon 18/11/19	0 days	1 day	4																	
140	Address Comments	16 days	16 days	0 days	100%	Mon 18/11/19	Wed 4/12/19	Mon 18/11/19	Wed 4/12/19	Mon 18/11/19	Wed 4/12/19	0 days	0.5 days	139																	
141	Traffic Impact Assessment(Final)	30 days	0 days	30 days	0%	Mon 3/8/20	Tue 1/9/20	NA	NA	Sat 24/4/21	Sun 23/5/21	264 days	0.5 days	140																	
142	ACABAS (Draft)	69 days	69 days	0 days	100%	Thu 30/5/19	Tue 6/8/19	Thu 30/5/19	Tue 6/8/19	Thu 30/5/19	Tue 6/8/19	0 days	2 days	4																	
143	Address Committee's comments	30 days	30 days	0 days	100%	Wed 7/8/19	Thu 5/9/19	Wed 7/8/19	Thu 5/9/19	Wed 7/8/19	Thu 5/9/19	0 days	2 days	142																	
144	ACABAS Re-submission Preparation & Submission	61 days	61 days	0 days	100%	Fri 6/9/19	Tue 5/11/19	Fri 6/9/19	Tue 5/11/19	Fri 6/9/19	Tue 5/11/19	0 days	2 days	143																	
145	ACABAS Submission Approved	63 days	63 days	0 days	100%	Wed 6/11/19	Tue 7/1/20	Wed 6/11/19	Tue 7/1/20	Wed 6/11/19	Tue 7/1/20	0 days	2 days	144																	
146	VCAB and DAP Submission	22 days	22 days	0 days	100%	Mon 10/2/20	Mon 2/3/20	Mon 10/2/20	Mon 2/3/20	Mon 10/2/20	Mon 2/3/20																				

Contract No. ED/2018/01 KTD Project																														
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2 Q3 Q4			2021 Q1 Q2 Q3 Q4				2022 Q1 Q2 Q3 Q4				2023 Q1 Q2 Q3 Q4				20
175	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Sun 27/9/20	Sun 15/11/20	NA	NA	Thu 15/10/20	Thu 3/12/20	18 days	3 days	174																
176	Noise barrier fronting to 4B5 at Rd D3A & Bus Lay By (Section 5&9)	338 days	215.23 days	122.77 days	0%	Mon 4/11/19	Tue 6/10/20	Mon 4/11/19	NA	Mon 4/11/19	Wed 7/10/20	1 day																		
177	Prepare AIP Submission (Draft)	38 days	38 days	0 days	100%	Mon 4/11/19	Wed 11/12/19	Mon 4/11/19	Wed 11/12/...	Mon 4/11/19	Wed 11/12/19	0 days	2 days																	
178	Submit & endorse by PM and Statutory Authorities/Gov. Dept	167 days	162 days	5 days	97%	Thu 12/12/19	Tue 26/5/20	Thu 12/12/19	NA	Thu 12/12/19	Wed 27/5/20	1 day		177																
179	Prepare AIP and ICE certification (Final)	56 days	31 days	25 days	55%	Wed 22/4/20	Tue 16/6/20	Wed 22/4/20	NA	Wed 22/4/20	Wed 17/6/20	1 day		178FF+21 days																
180	Prepare DDA Subm (Draft)	18 days	18 days	0 days	100%	Wed 1/4/20	Sat 18/4/20	Wed 1/4/20	Sat 18/4/20	Wed 1/4/20	Sat 18/4/20	0 days	0.5 days																	
181	Submit & endorse by PM	55 days	35 days	20 days	64%	Sat 18/4/20	Thu 11/6/20	Sat 18/4/20	NA	Sat 18/4/20	Thu 6/8/20	56 days		180																
182	Submit & endorse by Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Wed 17/6/20	Wed 5/8/20	NA	NA	Thu 18/6/20	Thu 6/8/20	1 day		180,179																
183	Prepare DDA for and ICE certification (Final) (Original Contract Scope)	12 days	0 days	12 days	0%	Thu 6/8/20	Mon 17/8/20	NA	NA	Fri 7/8/20	Tue 18/8/20	1 day	1 days	181,182																
184	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Tue 18/8/20	Tue 6/10/20	NA	NA	Wed 19/8/20	Wed 7/10/20	1 day	1 days	183																
185	Decking for Underpass (Rd L14)	304 days	0 days	304 days	0%	Mon 20/7/20	Wed 19/5/21	NA	NA	Fri 31/7/20	Sun 30/5/21	11 days																		
186	Structure Prepare AIP and ICE certification (Draft)	25 days	0 days	25 days	0%	Mon 20/7/20	Thu 13/8/20	NA	NA	Fri 31/7/20	Mon 24/8/20	11 days	3 days	44FF+12 days																
187	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Fri 14/8/20	Fri 2/10/20	NA	NA	Tue 25/8/20	Tue 13/10/20	11 days	0.5 days	186																
188	Prepare AIP and ICE certification (Final)	15 days	0 days	15 days	0%	Sat 3/10/20	Sat 17/10/20	NA	NA	Wed 14/10/20	Wed 28/10/20	11 days	1 day	186,187																
189	Prepare DDA and ICE certification (Draft)	89 days	0 days	89 days	0%	Sun 18/10/20	Thu 14/1/21	NA	NA	Thu 29/10/20	Mon 25/1/21	11 days	1 day	186,188																
190	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Fri 15/1/21	Fri 5/3/21	NA	NA	Tue 26/1/21	Tue 16/3/21	11 days	0.5 days	189																
191	Prepare DDA and ICE certification (Final)	25 days	0 days	25 days	0%	Sat 6/3/21	Tue 30/3/21	NA	NA	Wed 17/3/21	Sat 10/4/21	11 days	2 days	190																
192	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Wed 31/3/21	Wed 19/5/21	NA	NA	Sun 11/4/21	Sun 30/5/21	11 days	1 day	191																
193	Road D3 Bridge & Approach Ramps																													

Contract No. ED/2018/01 KTD Project																													
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2 Q3 Q4		2021 Q1 Q2 Q3 Q4				2022 Q1 Q2 Q3 Q4				2023 Q1 Q2 Q3 Q4				20
265	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Fri 6/11/20	Wed 6/1/21	NA	NA	Sat 12/12/20	Thu 11/2/21	36 days	2 days	264															
266	Prepare AIP (E&M works) and ICE certification (Final)	32 days	0 days	32 days	0%	Thu 7/1/21	Sun 7/2/21	NA	NA	Fri 12/2/21	Mon 15/3/21	36 days	2 days	265															
267	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Mon 8/2/21	Sat 10/4/21	NA	NA	Tue 16/3/21	Sun 16/5/21	36 days	2 days	266															
268	Prepare DDA (E&M works) and ICE certification (Draft)	32 days	0 days	32 days	0%	Wed 10/3/21	Sat 10/4/21	NA	NA	Thu 15/4/21	Sun 16/5/21	36 days	2 days	267FF															
269	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Sun 11/4/21	Fri 11/6/21	NA	NA	Mon 17/5/21	Sat 17/7/21	36 days	2 days	268															
270	Prepare DDA (E&M works) and ICE certification (Final)	17 days	0 days	17 days	0%	Sat 12/6/21	Mon 28/6/21	NA	NA	Sun 18/7/21	Tue 3/8/21	36 days	2 days	269															
271	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Tue 29/6/21	Sun 29/8/21	NA	NA	Wed 4/8/21	Mon 4/10/21	36 days	2 days	270															
272	Prepare AIP (E&M works) and Architectural Finishes of Underpass (Road L14) and ICE certification (Draft)	31 days	0 days	31 days	0%	Mon 3/8/20	Wed 2/9/20	NA	NA	Thu 31/3/22	Sat 30/4/22	605 days	1 day																
273	Submit & endorse by PM and Statutory Authorities/Gov. Dept	51 days	0 days	51 days	0%	Thu 3/9/20	Fri 23/10/20	NA	NA	Sun 1/5/22	Mon 20/6/22	605 days	1 day	272															
274	Prepare AIP (E&M works)and Architectural Finishes of Underpass (Road L14) and ICE certification (Final)	14 days	0 days	14 days	0%	Sat 24/10/20	Fri 6/11/20	NA	NA	Tue 21/6/22	Mon 4/7/22	605 days	2 days	273															
275	Submit & endorse by PM and Statutory Authorities/Gov. Dept	74 days	0 days	74 days	0%	Sat 7/11/20	Tue 19/1/21	NA	NA	Tue 5/7/22	Fri 16/9/22	605 days	1 day	274															
276	Prepare DDA (E&M works) and Architectural Finishes of Underpass (Road L14) and ICE certification (Draft)	31 days	0 days	31 days	0%	Sun 20/12/20	Tue 19/1/21	NA	NA	Wed 17/8/22	Fri 16/9/22	605 days	1 day	275FF															
277	Submit & endorse by PM and Statutory Authorities/Gov. Dept	51 days	0 days	51 days	0%	Wed 20/1/21	Thu 11/3/21	NA	NA	Sat 17/9/22	Sun 6/11/22	605 days	1 day	276															
278	Prepare DDA (E&M works) and Architectural Finishes of Underpass (Road L14) and ICE certification (Final)	15 days	0 days	15 days	0%	Fri 12/3/21	Fri 26/3/21	NA	NA	Mon 7/11/22	Mon 21/11/22	605 days	1 day	277															
279	Submit & endorse by PM and Statutory Authorities/Gov. Dept	51 days	0 days	51 days	0%	Sat 27/3/21	Sun 16/5/21	NA	NA	Tue 22/11/22	Wed 11/1/23	605 days	1 day	278															
280	E&M Work for Pump House of Underpass D3	364 days	83.71 days	280.29 days	0%	Mon 24/2/20	Sun 21/2/21	Mon 24/2/20	NA	Mon 24/2/20	Wed 18/8/21	178 days																	
281	Prepare AIP (E&M works) Submission (Draft)	11 days	11 days	0 days	0%	Mon 24/2/20	Thu 5/3/20	Mon 24/2/20	Thu 5/3/20	Mon 24/2/20	Thu 5/3/20	0 days	2 days																
282	Submit & endorse by PM and Statutory Authorities/Gov. Dept	160 days	78 days	82 days	49%	Fri 6/3/20	Wed 12/8/20	Fri 6/3/20	NA	Fri 6/3/20	Sat 15/8/20	3 days	2 days	281															
283	Prepare AIP (E&M works) and ICE certification (Final)	21 days	0 days	21 days																									

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Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2
355	Prepare DDA (E&M works) and ICE certification (Draft)	32 days	0 days	32 days	0%	Mon 12/10/20	Thu 12/11/20	NA	NA	Mon 25/1/21	Thu 25/2/21	105 days	2 days	354FF																	
356	Submit & endorse by PM and Statutory Authorities/Gov. Dept	77 days	0 days	77 days	0%	Fri 13/11/20	Thu 28/1/21	NA	NA	Fri 26/2/21	Thu 13/5/21	105 days	2 days	355																	
357	Prepare DDA (E&M works) and ICE certification (Final)	3 days	0 days	3 days	0%	Fri 29/1/21	Sun 31/1/21	NA	NA	Fri 14/5/21	Sun 16/5/21	105 days	2 days	356																	
358	Submit & endorse by PM and Statutory Authorities/Gov. Dept	77 days	0 days	77 days	0%	Mon 1/2/21	Sun 18/4/21	NA	NA	Mon 17/5/21	Sun 1/8/21	105 days	2 days	357																	
359	Road L12d Works (E&M Works)	329 days	0 days	329 days	0%	Mon 5/10/20	Sun 29/8/21	NA	NA	Mon 1/2/21	Sun 26/12/21	119 days																			
360	Prepare AIP (E&M works) and ICE certification (Draft)	32 days	0 days	32 days	0%	Mon 5/10/20	Thu 5/11/20	NA	NA	Mon 1/2/21	Thu 4/3/21	119 days	2 days																		
361	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Fri 6/11/20	Wed 6/1/21	NA	NA	Fri 5/3/21	Wed 5/5/21	119 days	2 days	360																	
362	Prepare AIP (E&M works) and ICE certification (Final)	32 days	0 days	32 days	0%	Thu 7/1/21	Sun 7/2/21	NA	NA	Thu 6/5/21	Sun 6/6/21	119 days	2 days	361																	
363	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Mon 8/2/21	Sat 10/4/21	NA	NA	Mon 7/6/21	Sat 7/8/21	119 days	2 days	362																	
364	Prepare DDA (E&M works) and ICE certification (Draft)	32 days	0 days	32 days	0%	Wed 10/3/21	Sat 10/4/21	NA	NA	Wed 7/7/21	Sat 7/8/21	119 days	2 days	363FF																	
365	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Sun 11/4/21	Fri 11/6/21	NA	NA	Sun 8/8/21	Fri 8/10/21	119 days	2 days	364																	
366	Prepare DDA (E&M works) and ICE certification (Final)	17 days	0 days	17 days	0%	Sat 12/6/21	Mon 28/6/21	NA	NA	Sat 9/10/21	Mon 25/10/21	119 days	2 days	365																	
367	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Tue 29/6/21	Sun 29/8/21	NA	NA	Tue 26/10/21	Sun 26/12/21	119 days	2 days	366																	
368	Roadworks other than at-grade Road D3 and Road L12d (Civil Works)	609 days	238.54 days	370.46 days	0%	Mon 2/9/19	Sun 2/5/21	Mon 2/9/19	NA	Mon 2/9/19	Sun 23/5/21	21 days																			
369	AIP for Roadworks - Roadworks other than at-grade Road D3 and Road L12d (Draft)	36 days	36 days	0 days	100%	Mon 2/9/19	Mon 7/10/19	Mon 2/9/19	Mon 7/10/19	Mon 2/9/19	Mon 7/10/19	0 days	0.5 days																		
370	Submit & endorse by PM and Statutory Authorities/Gov. Dept	288 days	228 days	60 days	79%	Tue 8/10/19	Tue 21/7/20	Tue 8/10/19	NA	Tue 8/10/19	Tue 11/8/20	21 days	0.5 days	369																	
371	AIP for Roadworks - Roadworks other than at-grade Road D3 and Road L12d (Final)	75 days	0 days	75 days	0%	Wed 22/7/20	Sun 4/10/20	NA	NA	Wed 12/8/20	Sun 25/10/20	21 days	0.5 days	370,44FF+12 days					</												

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020				2021				2022				2023				20
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2				
400	Prepare DDA (E&M works) and ICE certification (Final)	16 days	0 days	16 days	0%	Thu 4/3/21	Fri 19/3/21	NA	NA	Mon 8/3/21	Tue 23/3/21	4 days	1 day	399																	
401	Submit & endorse by PM and Statutory Authorities/Gov. Dept	61 days	0 days	61 days	0%	Sat 20/3/21	Wed 19/5/21	NA	NA	Wed 24/3/21	Sun 23/5/21	4 days	1 day	400																	
402	DCS Seawater & Intake Box Culverts (approx 88m) (Section 2)	479 days	304.41 days	174.59 days	0%	Tue 13/8/19	Thu 3/12/20	Tue 13/8/19	NA	Tue 13/8/19	Tue 3/8/21	243 days																			
403	Prepare AIP Subm with ICE certification (Draft)	165 days	165 days	0 days	100%	Tue 13/8/19	Fri 24/1/20	Tue 13/8/19	Fri 24/1/20	Tue 13/8/19	Fri 24/1/20	0 days	3 days																		
404	Submit & endorse by PM	85 days	85 days	0 days	100%	Thu 23/1/20	Thu 16/4/20	Thu 23/1/20	Thu 16/4/20	Thu 23/1/20	Thu 16/4/20	0 days	1 day	403																	
405	Submit & endorse by Statutory Authorities/Gov. Dept	90 days	90 days	0 days	100%	Fri 24/1/20	Mon 27/4/20	Fri 24/1/20	Mon 27/4/20	Fri 24/1/20	Mon 27/4/20	0 days	1 day	403																	
406	Prepare AIP and ICE certification (Final)	0 days	0 days	0 days	100%	Thu 23/4/20	Mon 27/4/20	Thu 23/4/20	Mon 27/4/20	Thu 23/4/20	Mon 27/4/20	0 days	1 days	403,405,404																	
407	Prepare DDA and ICE certification	80 days	0 days	80 days	0%	Sat 23/5/20	Mon 10/8/20	NA	NA	Thu 21/1/21	Sat 10/4/21	243 days	5 days	403SS,406FF+15																	
408	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Tue 11/8/20	Tue 29/9/20	NA	NA	Sun 11/4/21	Sun 30/5/21	243 days	3 days	407																	
409	Prepare DDA for and ICE certification (Final)	15 days	0 days	15 days	0%	Wed 30/9/20	Wed 14/10/20	NA	NA	Mon 31/5/21	Mon 14/6/21	243 days	1 day	408																	
410	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Thu 15/10/20	Thu 3/12/20	NA	NA	Tue 15/6/21	Tue 3/8/21	243 days	2 days	409																	
411	Seawater & Intake Box Culverts Diversion	248 days	49.98 days	198.02 days	0%	Wed 1/4/20	Fri 4/12/20	Wed 1/4/20	NA	Wed 1/4/20	Wed 6/10/21	306 days																			
412	Prepare AIP Subm (Draft)	32 days	32 days	0 days	100%	Wed 1/4/20	Sat 2/5/20	Wed 1/4/20	Sat 2/5/20	Wed 1/4/20	Sat 2/5/20	0 days	3 days																		
413	Submit & endorse by PM and Statutory Authorities/Gov. Dept	51 days	21 days	30 days	41%	Sat 2/5/20	Mon 22/6/20	Sat 2/5/20	NA	Sat 2/5/20	Tue 17/11/20	148 days	3 days	412																	
414	Prepare AIP and ICE certification (Final)	15 days	0 days	15 days	0%	Tue 23/6/20	Tue 7/7/20	NA	NA	Wed 18/11/20	Wed 2/12/20	148 days	1 days	412,413																	
415	Prepare DDA and ICE certification	50 days	0 days	50 days	0%	Tue 23/6/20	Tue 11/8/20	NA	NA	Sun 25/4/21	Sun 13/6/21	306 days	5 days	412SS,413FF+5																	
416	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Wed 12/8/20	Wed 30/9/20	NA	NA	Mon 14/6/21	Mon 2/8/21	306 days	3 days	415																	
417	Prepare DDA for and ICE certification (Final)	15 days	0 days	15 days	0%	Thu 1/10/20	Thu 15/10/20	NA	NA	Tue 3/8/21	Tue 17/8/21	306 days	1																		

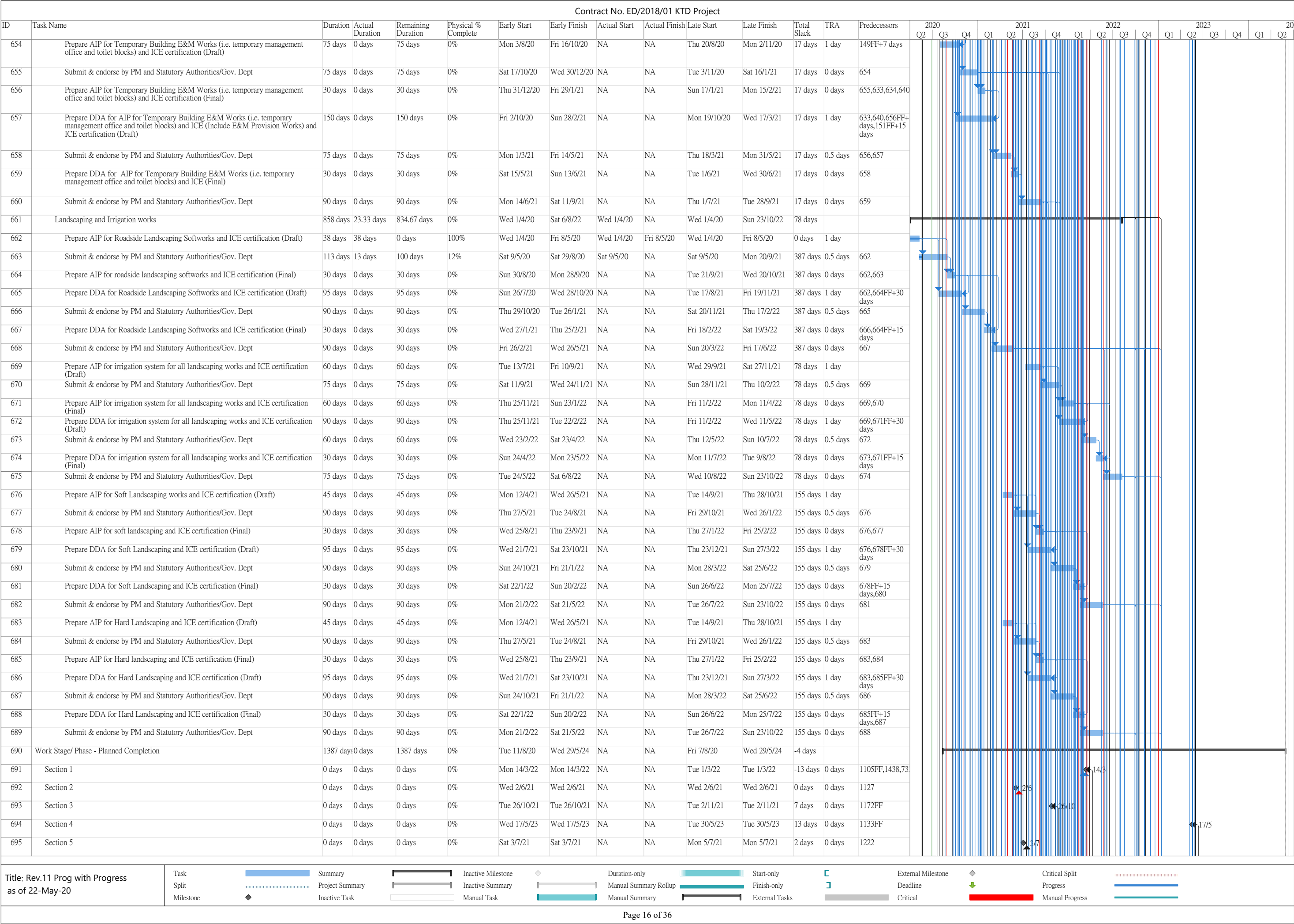
Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020				2021				2022				2023				20
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
445	AIP for Water Works (Sewerage Works of Gravity Sewers)	88 days	88 days	0 days	100%	Fri 13/9/19	Mon 9/12/19	Fri 13/9/19	Mon 9/12/19	Fri 13/9/19	Mon 9/12/19	0 days	1 day																		
446	Submit & endorse by PM	19 days	19 days	0 days	100%	Mon 23/12/19	Fri 10/1/20	Mon 23/12/19	Fri 10/1/20	Mon 23/12/19	Fri 10/1/20	0 days	0.5 days	445																	
447	Submit & endorse by Statutory Authorities/Gov. Dept	18 days	18 days	0 days	100%	Fri 21/2/20	Mon 9/3/20	Fri 21/2/20	Mon 9/3/20	Fri 21/2/20	Mon 9/3/20	0 days	0.5 days	445																	
448	AIP for Water Works (Sewerage Works of Gravity Sewers) (Final)	11 days	11 days	0 days	100%	Tue 10/3/20	Fri 20/3/20	Tue 10/3/20	Fri 20/3/20	Tue 10/3/20	Fri 20/3/20	0 days	0.5 days	445,446,447																	
449	DDA for Water Works (Sewerage Works of Gravity Sewers)	60 days	0 days	60 days	0%	Sat 23/5/20	Tue 21/7/20	NA	NA	Wed 16/12/20	Sat 13/2/21	207 days	1 day	445																	
450	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Wed 22/7/20	Wed 9/9/20	NA	NA	Sun 14/2/21	Sun 4/4/21	207 days	0.5 days	449																	
451	DDA for Water Works - (Sewerage Works of Gravity Sewers)	35 days	0 days	35 days	0%	Thu 10/9/20	Wed 14/10/20	NA	NA	Mon 5/4/21	Sun 9/5/21	207 days	1 day	448,449,450																	
452	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Thu 15/10/20	Thu 3/12/20	NA	NA	Mon 10/5/21	Mon 28/6/21	207 days	0.5 days	451																	
453	AIP for Stormwater Works - Waterfront Promenade and at grade Open Space (Draft)	80 days	0 days	80 days	0%	Mon 6/7/20	Wed 23/9/20	NA	NA	Mon 20/7/20	Wed 7/10/20	14 days	1 day	445																	
454	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Thu 24/9/20	Sun 22/11/20	NA	NA	Thu 8/10/20	Sun 6/12/20	14 days	0.5 days	453																	
455	AIP for Stormwater Works - Waterfront Promenade and at grade Open Space (Final)	30 days	0 days	30 days	0%	Mon 23/11/20	Tue 22/12/20	NA	NA	Mon 7/12/20	Tue 5/1/21	14 days	0.5 days	453,454																	
456	DDA for Stormwater Works - Waterfront Promenade and at grade Open Space (Draft)	120 days	0 days	120 days	0%	Thu 24/9/20	Thu 21/1/21	NA	NA	Thu 8/10/20	Thu 4/2/21	14 days	1 day	453,455FF+30 days																	
457	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Fri 22/1/21	Mon 22/3/21	NA	NA	Fri 5/2/21	Mon 5/4/21	14 days	0.5 days	456																	
458	DDA for Stormwater Works - Waterfront Promenade and at grade Open Space (Final)	24 days	0 days	24 days	0%	Tue 23/3/21	Thu 15/4/21	NA	NA	Tue 6/4/21	Thu 29/4/21	14 days	1 day	455,456,457																	
459	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Fri 16/4/21	Mon 14/6/21	NA	NA	Fri 30/4/21	Mon 28/6/21	14 days	0.5 days	458																	
460	AIP for Water Works - Remaining Stormwater works (Draft)	0 days	0 days	0 days	100%	Mon 2/3/20	Thu 9/4/20	Mon 2/3/20	Thu 9/4/20	Mon 2/3/20	Thu 9/4/20	0 days	1 day	453																	
461	Submit & endorse by PM and Statutory Authorities/Gov. Dept	27 days	27 days	0 days	100%	Fri 10/4/20																									

Contract No. ED/2018/01 KTD Project																												
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020	2020	2020	2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
490	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Wed 3/2/21	Sat 3/4/21	NA	NA	Sun 8/8/21	Wed 6/10/21	186 days	0.5 days	489														
491	AIP for Saltwater & Freshwater - Road L12d (Draft)	40 days	40 days	0 days	100%	Fri 1/11/19	Tue 10/12/19	Fri 1/11/19	Tue 10/12/19	Fri 1/11/19	Tue 10/12/19	0 days	1 day															
492	Submit & endorse by PM	31 days	31 days	0 days	100%	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	0 days	0.5 days	491														
493	Submit & endorse by Statutory Authorities/Gov. Dept	14 days	14 days	0 days	100%	Thu 9/4/20	Wed 6/5/20	Thu 9/4/20	Wed 6/5/20	Thu 9/4/20	Wed 6/5/20	0 days	1 day	491														
494	AIP for Saltwater & Freshwater Works - Road L12d (Final)	12 days	12 days	0 days	100%	Thu 7/5/20	Mon 18/5/20	Thu 7/5/20	Mon 18/5/20	Thu 7/5/20	Mon 18/5/20	0 days	0.5 days	491,492,493														
495	DDA for Saltwater & Freshwater Works - Road L12d (Draft)	60 days	0 days	60 days	0%	Tue 19/5/20	Fri 17/7/20	NA	NA	Thu 11/3/21	Sun 9/5/21	296 days	1 day	491,494														
496	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Sat 18/7/20	Tue 15/9/20	NA	NA	Mon 10/5/21	Thu 8/7/21	296 days	0.5 days	495														
497	DDA for Saltwater & FreshwaterWorks - Road L12d (Final)	30 days	0 days	30 days	0%	Wed 16/9/20	Thu 15/10/20	NA	NA	Fri 9/7/21	Sat 7/8/21	296 days	1 day	494,495,496														
498	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Fri 16/10/20	Mon 14/12/20	NA	NA	Sun 8/8/21	Wed 6/10/21	296 days	0.5 days	497														
499	Fresh and Salt Works AIP - Waterfront Promenade and at grade Open Space (Draft)	40 days	40 days	0 days	100%	Fri 1/11/19	Tue 10/12/19	Fri 1/11/19	Tue 10/12/19	Fri 1/11/19	Tue 10/12/19	0 days	1 day															
500	Submit & endorse by PM	31 days	31 days	0 days	100%	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	0 days	0.5 days	499														
501	Submit & endorse by PM/Statutory Authorities/Gov. Dept	14 days	14 days	0 days	100%	Thu 9/4/20	Mon 18/5/20	Thu 9/4/20	Mon 18/5/20	Thu 9/4/20	Mon 18/5/20	0 days	0.5 days															
502	Fresh and Salt Works AIP - Waterfront Promenade and at grade Open Space (Final)	0 days	0 days	0 days	100%	Mon 11/5/20	Mon 18/5/20	Mon 11/5/20	Mon 18/5/20	Mon 11/5/20	Mon 18/5/20	0 days	0.5 days	499,500,501														
503	Fresh and Salt Works DDA - Waterfront Promenade and at grade Open Space (Draft)	90 days	0 days	90 days	0%	Tue 19/5/20	Sun 16/8/20	NA	NA	Sat 19/12/20	Thu 18/3/21	214 days	1 day	499,502														
504	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Mon 17/8/20	Fri 30/10/20	NA	NA	Fri 19/3/21	Tue 1/6/21	214 days	0.5 days	503														
505	Fresh and Salt Works DDA - Waterfront Promenade and at grade Open Space (Final)	52 days	0 days	52 days	0%	Sat 31/10/20	Mon 21/12/20	NA	NA	Wed 2/6/21	Fri 23/7/21	214 days	1 day	502,503,504														
506	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Tue 22/12/20	Sat 6/3/21	NA	NA	Sat 24/7/21	Wed 6/10/21	214 days	0.5 days	505														
507	AIP for Water Works - Remaining Fresh Water and Salt Water works (Draft)	40 days	40 days	0 days	100%	Fri 1/11/19	Tue 10/12/19	Fri 1/11/19	Tue 10/12/19	Fri 1/11/19	Tue 10/12/19	0 days	1 day	499SS														
508	Submit & endorse by PM	31 days	31 days	0 days	100%	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	Wed 11/12/19	Fri 10/1/20	0 days	0.5 days	507														
509	Submit & endorse by PM/Statutory Authorities/Gov. Dept	14 days	14 days	0 days	100%	Thu 9/4/20	Thu 7/5/20	Thu 9/4/20	Thu 7/5/20	Thu 9/4/20	Thu 7/5/20	0 days	2 days	507														
510	AIP for Water Works - Remaining Fresh Water and Salt Water works (Final)	11 days	11 days	0 days	100%	Thu 7/5/20	Mon 18/5/20	Thu 7/5/20	Mon 18/5/20	Thu 7/5/20	Mon 18/5/20	0 days	0.5 days	507,508,509														
511	DDA for Water Works - Remaining Fresh Water and Salt Water works (Draft)	50 days	0 days	50 days	0%	Mon 8/6/20	Mon 27/7/20	NA	NA	Fri 19/2/21	Fri 9/4/21	256 days	1 day	507,510														
512	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Tue 28/7/20	Sat 10/10/20	NA	NA	Sat 10/4/21	Wed 23/6/21	256 days	0.5 days	511														
513	DDA for Water Works - Remaining Fresh Water and Salt Water works (Final)	30 days	0 days	30 days	0%	Sun 11/10/20	Mon 9/11/20	NA	NA	Thu 24/6/21	Fri 23/7/21	256 days	1 day	510,511,512														
514	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Tue 10/11/20	Sat 23/1/21	NA	NA	Sat 24/7/21	Wed 6/10/21	256 days	0.5 days	513														
515	Pumping Stations, Box Culverts and Intake Structures	845 days	100.29 days	744.71 days	0%	Mon 2/12/19	Fri 25/3/22	Mon 2/12/19	NA	Mon 2/12/19	Thu 5/5/22	41 days																
516	Prepare AIP for Salt Water and Sewage Pumping Structures (Draft)	29 days	29 days	0 days	100%	Mon 2/12/19	Mon 30/12/19	Mon 2/12/19	Mon 30/12/19	Mon 2/12/19	Mon 30/12/19	0 days	1 day	4														
517	Submit & endorse by PM	11 days	11 days	0 days	100%	Tue 31/12/19	Fri 10/1/20	Tue 31/12/19	Fri 10/1/20	Tue 31/12/19	Fri 10/1/20	0 days	0.5 days	516														
518	Submit & endorse by Statutory Authorities/Gov. Dept	27 days	27 days	0 days	100%	Fri 27/3/20	Wed 29/4/20	Fri 27/3/20	Wed 29/4/20	Fri 27/3/20	Wed 29/4/20	0 days	2 days															
519	Prepare AIP for Salt Water & Sewage Pumping Structures and ICE certification (Final)	36 days	0 days	36 days	0%	Thu 2/7/20	Thu 6/8/20	NA	NA	Thu 10/6/21	Thu 15/7/21	343 days	1 day	516,517,518FF+ days														
520	Prepare DDA for Salt Water & Sewage Pumping Structures and ICE certification (Draft)	45 days	0 days	45 days	0%	Tue 1/9/20	Thu 15/10/20	NA	NA	Tue 10/8/21	Thu 23/9/21	343 days	1 day	516,518FF+21 days,519FF+70														
521	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Fri 16/10/20	Fri 4/12/20	NA	NA	Fri 24/9/21	Fri 12/11/21	343 days	0.5 days	520														
522	Prepare DDA for Salt Water & Sewage Pumping Structures and ICE certification (Final)	45 days	0 days	45 days	0%	Sat 5/12/20	Mon 18/1/21	NA	NA	Sat 13/11/21	Mon 27/12/21	343 days	0.5 days	521,519FF														
523	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Tue 19/1/21	Tue 9/3/21	NA	NA	Tue 28/12/21	Tue 15/2/22	343 days		522														
524	Prepare E&M Works AIP for Sewage Pumping Station (Draft)	29 days	29 days	0 days	100%	Tue 7/1/20	Tue 4/2/20	Tue 7/1/20	Tue 4/2/20	Tue 7/1/20	Tue 4/2/20	0 days	2 days															
525	Submit & endorse by PM	10 days	10 days	0 days	100%	Wed 5/2/20	Fri 14/2/20	Wed 5/2/20	Fri 14/2/20	Wed 5/2/20	Fri 14/2/20	0 days	0.5 days	516,524														
526	Submit & endorse by Statutory Authorities/Gov. Dept	55 days	30 days	25 days	55%	Thu 23/4/20	Tue 16/6/20	Thu 23/4/20	NA	Thu 23/4/20	Sun 13/9/20	89 days	2 days	524,525														
527	Prepare AIP for Sewage Pumping Station E&M works and ICE certification (Final)	77 days	0 days	77 days	0%	Wed 17/6/20	Tue 1/9/20	NA	NA	Mon 14/9/20	Sun 29/11/20	89 days	2 days	526														
528	Prepare DDA for Sewage Pumping Station E&M works and ICE certification (Draft)	120 days	0 days	120 days	0%	Wed 24/6/20	Wed 21/10/20	NA	NA	Mon 21/9/20	Mon 18/1/21	89 days	1 day	516,526FF,527F days														
529	Submit & endorse by PM and Statutory Authorities/Gov. Dept	70 days	0 days	70 days	0%	Thu 22/10/20	Wed 30/12/20	NA	NA	Tue 19/1/21	Mon 29/3/21	89 days	1 day	528														
530	Prepare DDA for Sewage Pumping Station and ICE certification (Final)	31 days	0 days	31 days	0%	Thu 31/12/20	Sat 30/1/21	NA	NA	Tue 30/3/21	Thu 29/4/21	89 days	1 day	529,527FF+6 days														
531	Submit & endorse by PM and Statutory Authorities/Gov. Dept	91 days	0 days	91 days	0%	Sun 31/1/21	Sat 1/5/21	NA	NA	Fri 30/4/21	Thu 29/7/21	89 days	1 day	530														
532	Prepare E&M Works AIP for Salt Water Pumping (Draft)	29 days	29 days	0 days	100%	Tue 7/1/20	Tue 4/2/20	Tue 7/1/20	Tue 4/2/20	Tue 7/1/20	Tue 4/2/20	0 days	2 days															
533	Submit & endorse by PM	10 days	10 days	0 days	100%	Wed 5/2/20	Fri 14/2/20	Wed 5/2/20	Fri 14/2/20	Wed 5/2/20	Fri 14/2/20	0 days	0.5 days	532,516														
534	Submit & endorse by Statutory Authorities/Gov. Dept	60 days	24 days	36 days	40%	Wed 29/4/20	Sat 27/6/20	Wed 29/4/20	NA	Wed 29/4/20	Sat 12/9/20	77 days	2 days	532,533														
Title: Rev.11 Prog with Progress as of 22-May-20															Task Split Milestone													
															Summary Project Summary Inactive Task													
															Inactive Milestone Inactive Summary Manual Task													
															Duration-only Manual Summary Rollup Manual Summary													
															Start-only Finish-only External Tasks													
															External Milestone Deadline Critical													
															Critical Split Progress Manual Progress													

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020				2021				2022				2023				20
																Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2			
535	Prepare AIP for Salt Water Pumping Station E&M works and ICE certification (Final)	77 days	0 days	77 days	0%	Mon 17/8/20	Sun 1/11/20	NA	NA	Sun 13/9/20	Sat 28/11/20	27 days	2 days	534																	
536	Prepare DDA for Salt Water Pumping Station E&M works and ICE certification (Draft)	120 days	0 days	120 days	0%	Tue 4/8/20	Tue 1/12/20	NA	NA	Mon 31/8/20	Mon 28/12/20	27 days	1 day	534FF,535FF+30 days,516																	
537	Submit to WSD for Plumbing and Irrigation Works for approval	0 days	0 days	0 days	0%	Tue 1/12/20	Tue 1/12/20	NA	NA	Tue 29/12/20	Tue 29/12/20	27 days	1 day	536																	
538	Submit & endorse by PM and Statutory Authorities/Gov. Dept	91 days	0 days	91 days	0%	Wed 2/12/20	Tue 2/3/21	NA	NA	Tue 29/12/20	Mon 29/3/21	27 days	1 day	536,537																	
539	Prepare DDA for Salt Water Pumping Station and ICE certification (Final)	31 days	0 days	31 days	0%	Wed 3/3/21	Fri 2/4/21	NA	NA	Tue 30/3/21	Thu 29/4/21	27 days	1 day	535FF+6 days,538																	
540	Submit & endorse by PM and Statutory Authorities/Gov. Dept	91 days	0 days	91 days	0%	Sat 3/4/21	Fri 2/7/21	NA	NA	Fri 30/4/21	Thu 29/7/21	27 days	1 day	539																	
541	AIP for Remaining Works of Salt Water & Sewerage Pumping and ICE certification (Draft)	41 days	41 days	0 days	0%	Mon 17/2/20	Sat 28/3/20	Mon 17/2/20	Sat 28/3/20	Mon 17/2/20	Sat 28/3/20	0 days	1 day	4																	
542	Submit & endorse by PM	18 days	18 days	0 days	100%	Mon 30/3/20	Thu 16/4/20	Mon 30/3/20	Thu 16/4/20	Mon 30/3/20	Thu 16/4/20	0 days																			
543	Submit & endorse by Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Mon 3/8/20	Sat 31/10/20	NA	NA	Sun 14/3/21	Fri 11/6/21	223 days	0.5 days	541,542																	
544	AIP for Remaining Works of Salt Water Pumping & Sewage and ICE certification (Final)	90 days	0 days	90 days	0%	Sun 1/11/20	Fri 29/1/21	NA	NA	Sat 12/6/21	Thu 9/9/21	223 days	3 days	543																	
545	DDA for Remaining Works of Salt Water & Sewage Pumping and ICE certification (Draft)	90 days	0 days	90 days	0%	Sun 6/12/20	Fri 5/3/21	NA	NA	Sat 17/7/21	Thu 14/10/21	223 days	1 day	541,544FF+35 days																	
546	Submit & endorse by PM and Statutory Authorities/Gov. Dept	93 days	0 days	93 days	0%	Sat 6/3/21	Sun 6/6/21	NA	NA	Fri 15/10/21	Sat 15/1/22	223 days	3 days	545																	
547	DDA for Remaining Works of Salt Water & Sewage Pumping and ICE certification (Final)	35 days	0 days	35 days	0%	Mon 7/6/21	Sun 11/7/21	NA	NA	Sun 16/1/22	Sat 19/2/22	223 days	3 days	546,544FF+12 days																	
548	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Mon 12/7/21	Fri 24/9/21	NA	NA	Sun 20/2/22	Thu 5/5/22	223 days	2 days	547																	
549	AIP for Architectural works of Salt Water & Sewage Pumping and ICE certification (Draft)	45 days	0 days	45 days	0%	Mon 5/4/21	Wed 19/5/21	NA	NA	Mon 3/5/21	Wed 16/6/21	28 days	1 day	4																	
550	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Thu 20/5/21	Sun 18/7/21	NA	NA	Thu 17/6/21	Sun 15/8/21	28 days	0.5 days	549																	
551	AIP for Architectural works of Salt Water Pumping & Sewage and ICE certification (Final)	62 days	0 days	62 days	0%	Mon 19/7/21	Sat 18/9/21	NA	NA	Mon 16/8/21	Sat 16/10/21	28 days	2 days	549,550																	
552	DDA for Architectural works of Salt Water & Sewage Pumping and ICE certification (Draft)	60 days	0 days	60 days	0%	Fri 20/8/21	Mon 18/10/21	NA	NA	Fri																					

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020				2021				2022				2023				20
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2				
579	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Wed 11/11/20	Wed 30/12/20	NA	NA	Tue 9/3/21	Tue 27/4/21	118 days	1 day	578																	
580	Elevated Landscape Deck - Lift (LT1<2)& Staircase include E&M Progvision: AIP and ICE Certification (Draft)	50 days	50 days	0 days	100%	Mon 7/10/19	Mon 25/11/19	Mon 7/10/19	Mon 25/11/19	Mon 7/10/19	Mon 25/11/19	0 days	3 days	44FF+12 days																	
581	Submit & endorse by PM	21 days	21 days	0 days	100%	Tue 26/11/19	Mon 16/12/19	Tue 26/11/19	Mon 16/12/...	Tue 26/11/19	Mon 16/12/19	0 days	1 days	580																	
582	Submit & endorse by Statutory Authorities/Gov. Dept	120 days	85 days	35 days	71%	Fri 28/2/20	Fri 26/6/20	Fri 28/2/20	NA	Fri 28/2/20	Thu 13/8/20	48 days	1 days	580																	
583	Prepare AIP and ICE certification (Final)	60 days	0 days	60 days	0%	Sat 27/6/20	Tue 25/8/20	NA	NA	Fri 14/8/20	Mon 12/10/20	48 days	0 days	580,581,582,44FF																	
584	Prepare DDA and ICE certification (Draft)	60 days	0 days	60 days	0%	Tue 11/8/20	Wed 14/10/20	NA	NA	Mon 28/9/20	Tue 1/12/20	48 days	1 day	580,583FF+50 d																	
585	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Thu 15/10/20	Tue 12/1/21	NA	NA	Wed 2/12/20	Mon 1/3/21	48 days	0.5 days	584																	
586	Prepare DDA for and ICE certification (Final)	30 days	0 days	30 days	0%	Wed 13/1/21	Thu 11/2/21	NA	NA	Tue 2/3/21	Wed 31/3/21	48 days	0.5 days	585,583FF+12 d																	
587	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Fri 12/2/21	Wed 12/5/21	NA	NA	Thu 1/4/21	Tue 29/6/21	48 days	2 days	586																	
588	Elevated Landscape Deck - Open Space AIP Subm (Draft)	50 days	50 days	0 days	100%	Mon 10/2/20	Mon 30/3/20	Mon 10/2/20	Mon 30/3/20	Mon 10/2/20	Mon 30/3/20	0 days	3 days																		
589	Submit & endorse by PM	21 days	21 days	0 days	100%	Mon 30/3/20	Mon 20/4/20	Mon 30/3/20	Mon 20/4/20	Mon 30/3/20	Mon 20/4/20	0 days	0.5 days	588																	
590	Submit & endorse by Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Mon 6/7/20	Mon 24/8/20	NA	NA	Mon 28/9/20	Mon 16/11/20	84 days	1 days	588																	
591	Prepare AIP and ICE certification (Final)	30 days	0 days	30 days	0%	Tue 25/8/20	Wed 23/9/20	NA	NA	Tue 17/11/20	Wed 16/12/20	84 days	2 days	588,590,44FF+1																	
592	Prepare DDA and ICE certification (Draft)	75 days	0 days	75 days	0%	Thu 24/9/20	Sat 12/12/20	NA	NA	Thu 17/12/20	Sat 6/3/21	84 days	1 day	590SS,591																	
593	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Sun 13/12/20	Sun 31/1/21	NA	NA	Sun 7/3/21	Sun 25/4/21	84 days	0.5 days	592																	
594	Prepare DDA for and ICE certification (Final)	21 days	0 days	21 days	0%	Mon 1/2/21	Sun 21/2/21	NA	NA	Mon 26/4/21	Sun 16/5/21	84 days	0 days	593,591FF+6 da																	
595	Submit & endorse by PM and Statutory Authorities/Gov. Dept	50 days	0 days	50 days	0%	Mon 22/2/21	Mon 12/4/21	NA	NA	Mon 17/5/21	Mon 5/7/21	84 days	0 days	594																	
596	EVA for Open Space AIP Subm (Draft)	71 days	71 days	0 days	100%	Mon 10/2/20	Mon 20/4/20	Mon 10/2/20	Mon																						

Contract No. ED/2018/01 KTD Project																																							
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020		2021				2022				2023				20										
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2								
620	Submit & endorse by PM and Statutory Authorities/Gov. Dept	63 days	0 days	63 days	0%	Thu 20/8/20	Wed 21/10/20	NA	NA	Mon 21/9/20	Sun 22/11/20	32 days	3 days	619																									
621	AIP for Cladding Design of Landscape Deck, Lifts and associated Works (Final)	52 days	0 days	52 days	0%	Thu 22/10/20	Sat 12/12/20	NA	NA	Mon 23/11/20	Wed 13/1/21	32 days	2 days	619,620																									
622	DDA for Cladding Design of Landscape Deck, Lifts and associated Works (Draft)	61 days	0 days	61 days	0%	Thu 12/11/20	Mon 11/1/21	NA	NA	Mon 14/12/20	Fri 12/2/21	32 days	1 day	619,621FF+30 days																									
623	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Tue 12/1/21	Fri 12/3/21	NA	NA	Sat 13/2/21	Tue 13/4/21	32 days	1 day	622																									
624	DDA for Cladding Design of Landscape Deck, Lifts and associated Works (Final)	21 days	0 days	21 days	0%	Sat 13/3/21	Fri 2/4/21	NA	NA	Wed 14/4/21	Tue 4/5/21	32 days	1 day	621FF,622,623																									
625	Submit & endorse by PM and Statutory Authorities/Gov. Dept	62 days	0 days	62 days	0%	Sat 3/4/21	Thu 3/6/21	NA	NA	Wed 5/5/21	Mon 5/7/21	32 days	2 days	624																									
626	AIP for Balustrade and Railing of Promenade, Open Space and Associated Works (Draft)	30 days	0 days	30 days	0%	Sat 1/8/20	Sun 30/8/20	NA	NA	Tue 29/9/20	Wed 28/10/20	59 days	1 day																										
627	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Mon 31/8/20	Thu 29/10/20	NA	NA	Thu 29/10/20	Sun 27/12/20	59 days	1 day	626																									
628	AIP for Balustrade and Railing of Promenade, Open Space and Associated Works (Final)	25 days	0 days	25 days	0%	Fri 30/10/20	Mon 23/11/20	NA	NA	Mon 28/12/20	Thu 21/1/21	59 days	0.5 days	626,627																									
629	DDA for Balustrade and Railing of Promenade, Open Space and Associated Works (Draft)	50 days	0 days	50 days	0%	Wed 4/11/20	Wed 23/12/20	NA	NA	Sat 2/1/21	Sat 20/2/21	59 days	1 day	626,628FF+30 days																									
630	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Thu 24/12/20	Sun 21/2/21	NA	NA	Sun 21/2/21	Wed 21/4/21	59 days	0 days	629																									
631	DDA for Balustrade and Railing of Promenade, Open Space and Associated Works (Final)	15 days	0 days	15 days	0%	Mon 22/2/21	Mon 8/3/21	NA	NA	Thu 22/4/21	Thu 6/5/21	59 days	1 day	628,629,630																									
632	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Tue 9/3/21	Fri 7/5/21	NA	NA	Fri 7/5/21	Mon 5/7/21	59 days	0 days	631																									
633	Prepare AIP for Permanent Building Works (i.e. Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) and ICE certification (Draft)	60 days	0 days	60 days	0%	Wed 29/7/20	Sat 26/9/20	NA	NA	Thu 20/8/20	Sun 18/10/20	22 days	1 day	149FF+7 days																									
634	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Sun 27/9/20	Wed 25/11/20	NA	NA	Tue 3/11/20	Fri 1/1/21	37 days	0.5 days	633																									
635	Prepare AIP for Permanent Building Works (i.e.Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) and ICE certification (Final)	30 days	0 days	30 days	0%	Thu 26/11/20	Fri 25/12/20	NA	NA	Sat 2/1/21	Sun 31/1/21	37 days	0 days	633,634																									
636	Prepare DDA for Permanent Building Works (i.e. Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) and ICE certification (Draft)	100 days	0 days	100 days	0%	Fri 2/10/20	Sat 9/1/21	NA	NA	Sun 8/11/20	Mon 15/2/21	37 days	1 day	633,635FF+15 days,151FF+15 days																									
637	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Sun 10/1/21	Thu 25/3/21	NA	NA	Tue 16/2/21	Sat 1/5/21	37 days	0.5 days	635,636																									
638	Prepare DDA for Permanent Building Works (i.e. Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) nd ICE certification (Final)	30 days	0 days	30 days	0%	Fri 26/3/21	Sat 24/4/21	NA	NA	Sun 2/5/21	Mon 31/5/21	37 days	0 days	637																									
639	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Sun 25/4/21	Thu 8/7/21	NA	NA	Tue 1/6/21	Sat 14/8/21	37 days	0.5 days	635,636,638																									
640	Prepare AIP for Permanent Building E&M Works (i.e. Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) and ICE certification (Draft)	75 days	0 days	75 days	0%	Tue 14/7/20	Sat 26/9/20	NA	NA	Wed 5/8/20	Sun 18/10/20	22 days	1 day	149FF+7 days																									
641	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Sun 27/9/20	Wed 25/11/20	NA	NA	Mon 19/10/20	Thu 17/12/20	22 days	0.5 days	640																									
642	Prepare AIP for Permanent Building E&M Works (i.e. Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) and ICE certification (Final)	30 days	0 days	30 days	0%	Thu 26/11/20	Fri 25/12/20	NA	NA	Fri 18/12/20	Sat 16/1/21	22 days	0 days	640,641																									
643	Prepare DDA for Permanent Building E&M Works (i.e.Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) and ICE (Include E&M Provision Works) certification (Draft)	120 days	0 days	120 days	0%	Sun 27/9/20	Sun 24/1/21	NA	NA	Mon 19/10/20	Mon 15/2/21	22 days	1 day	640,642FF+30 days,151FF+15 days																									
644	Submit & endorse by PM and Statutory Authorities/Gov. Dept	60 days	0 days	60 days	0%	Mon 25/1/21	Thu 25/3/21	NA	NA	Tue 16/2/21	Fri 16/4/21	22 days	0.5 days	642,643																									
645	Prepare DDA for Permanent Building E&M Works (i.e. Ampitheater, Observation Tower, Toilet Block, Light Refreshment Kiosk, Refuse Collection Block, Back of House Building Blocks) nd ICE certification (Final)	30 days	0 days	30 days	0%	Fri 26/3/21	Sat 24/4/21	NA	NA	Sat 17/4/21	Sun 16/5/21	22 days	0 days	644																									
646	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Sun 25/4/21	Fri 23/7/21	NA	NA	Mon 17/5/21	Sat 14/8/21	22 days	0.5 days	642,643,645																									
647	Prepare AIP for Temporary Building Works (i.e. temporary management office and toilet blocks) and ICE certification (Draft)	75 days	0 days	75 days	0%	Mon 3/8/20	Fri 16/10/20	NA	NA	Thu 20/8/20	Mon 2/11/20	17 days	1 day	149FF+7 days																									
648	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Sat 17/10/20	Wed 30/12/20	NA	NA	Tue 3/11/20	Sat 16/1/21	17 days	0 days	647																									
649	Prepare AIP for Temporary Building Works (i.e. temporary management office and toilet blocks) and ICE certification (Final)	30 days	0 days	30 days	0%	Thu 31/12/20	Fri 29/1/21	NA	NA	Sun 17/1/21	Mon 15/2/21	17 days	0 days	633,634,648,640																									
650	Prepare DDA for AIP for Temporary Building Works (i.e. temporary management office and toilet blocks) and ICE (Include E&M Provision Works) and ICE certification (Draft)	150 days	0 days	150 days	0%	Fri 2/10/20	Sun 28/2/21	NA	NA	Mon 19/10/20	Wed 17/3/21	17 days	1 day	633,640,649FF+ days,151FF+15 days																									
651	Submit & endorse by PM and Statutory Authorities/Gov. Dept	75 days	0 days	75 days	0%	Mon 1/3/21	Fri 14/5/21	NA	NA	Thu 18/3/21	Mon 31/5/21	17 days	0.5 days	649,650																									
652	Prepare DDA for AIP for Temporary Building Works (i.e. temporary management office and toilet blocks) and ICE (Final)	30 days	0 days	30 days	0%	Sat 15/5/21	Sun 13/6/21	NA	NA	Tue 1/6/21	Wed 30/6/21	17 days	0 days	651																									
653	Submit & endorse by PM and Statutory Authorities/Gov. Dept	90 days	0 days	90 days	0%	Mon 14/6/21	Sat 11/9/21	NA	NA	Thu 1/7/21	Tue 28/9/21	17 days	0 days	652																									
Title: Rev.11 Prog with Progress as of 22-May-20		Task	Summary	Inactive Milestone	Duration-only	Start-only	External Milestone	Critical Split													Task	Split	Milestone	Summary	Inactive Summary	Manual Summary Rollup	Finish-only	Deadline	Manual Progress										



Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020		2021				2022				2023				20		
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
696	Section 6	0 days	0 days	0 days	0%	Thu 18/5/23	Thu 18/5/23	NA	NA	Tue 30/5/23	Tue 30/5/23	12 days	0 days	1357FF,1546FF																	
697	Section 7	0 days	0 days	0 days	0%	Wed 29/5/24	Wed 29/5/24	NA	NA	Wed 29/5/24	Wed 29/5/24	0 days	0 days	1549FF																	
698	Section 8	0 days	0 days	0 days	0%	Wed 24/11/21	Wed 24/11/21	NA	NA	Thu 2/12/21	Thu 2/12/21	8 days	0 days	1144FF																	
699	Section 9	0 days	0 days	0 days	0%	Sat 3/7/21	Sat 3/7/21	NA	NA	Mon 5/7/21	Mon 5/7/21	2 days	0 days	1222																	
700	Section 10	0 days	0 days	0 days	0%	Thu 11/5/23	Thu 11/5/23	NA	NA	Tue 30/5/23	Tue 30/5/23	19 days	0 days	1559FF																	
701	KD1	0 days	0 days	0 days	0%	Tue 11/8/20	Tue 11/8/20	NA	NA	Fri 7/8/20	Fri 7/8/20	-4 days	0 days	758																	
702	KD2	0 days	0 days	0 days	0%	Sat 17/4/21	Sat 17/4/21	NA	NA	Sun 18/4/21	Sun 18/4/21	1 day	0 days	791,821,771,774																	
703	KD3	0 days	0 days	0 days	0%	Mon 26/4/21	Mon 26/4/21	NA	NA	Tue 1/6/21	Tue 1/6/21	36 days	0 days	822,821																	
704	KD4	0 days	0 days	0 days	0%	Fri 28/1/22	Fri 28/1/22	NA	NA	Mon 31/1/22	Mon 31/1/22	3 days	0 days	1255FF																	
705	KD5	0 days	0 days	0 days	0%	Fri 25/6/21	Fri 25/6/21	NA	NA	Fri 17/9/21	Fri 17/9/21	84 days	0 days	1252FF																	
706	KD6	0 days	0 days	0 days	0%	Tue 21/12/21	Tue 21/12/21	NA	NA	Wed 29/12/21	Wed 29/12/21	8 days	0 days	883																	
707	KD7	0 days	0 days	0 days	0%	Thu 19/8/21	Thu 19/8/21	NA	NA	Fri 3/6/22	Fri 3/6/22	288 days	0 days	1254FF																	
708	Construction Works	1499 days	75.67 days	1423.33 days?	0%	Thu 16/5/19	Wed 29/5/24	Thu 16/5/19	NA	Thu 16/5/19	Wed 29/5/24	0 days?																			
709	Procurement of Materials and Equipments	615 days	12.7 days	602.3 days	0%	Thu 8/8/19	Wed 1/9/21	Thu 8/8/19	NA	Thu 8/8/19	Tue 22/2/22	140 days																			
710	Office Accommodation	21 days	21 days	0 days	100%	Thu 8/8/19	Fri 20/12/19	Thu 8/8/19	Fri 20/12/19	Thu 8/8/19	Fri 20/12/19	0 days	1 day																		
711	Lift Submission Preparation	15 days	0 days	15 days	0%	Sat 12/9/20	Sat 26/9/20	NA	NA	Wed 23/9/20	Wed 7/10/20	11 days	0.5 days	173																	
712	Lift Comment & Approval	21 days	0 days	21 days	0%	Sun 27/9/20	Sat 17/10/20	NA	NA	Thu 8/10/20	Wed 28/10/20	11 days	0.5 days	711																	
713	Lifts ((5 nos)	180 days	0 days	180 days	0%	Sun 18/10/20	Thu 15/4/21	NA	NA	Thu 29/10/20	Mon 26/4/21	11 days	30 days	712																	
714	Pumps for Pump Room next to Underpass	150 days	0 days	150 days	0%	Sat 23/5/20	Thu 19/11/20	NA	NA	Wed 8/7/20	Tue 5/1/21	37 days	30 days																		
715	Elevated landscape deck soffit panels	120 days	0 days	120 days	0%	Mon 14/9/20	Sat 6/2/21	NA	NA	Thu 4/2/21	Mon 5/7/21	117 days	30 days																		
716	Underpass & Depressed Rd - facades	120 days	0 days	120 days	0%	Tue 1/12/20	Thu 29/4/21	NA	NA	Wed 12/5/21	Mon 4/10/21	129 days	30 days																		
717	E & M equipment & fittings (for Open space & Promenade)	120 days	0 days	120 days	0%	Tue 6/4/21	Fri 27/8/21	NA	NA	Mon 27/9/21	Tue 22/2/22	144 days	30 days																		
718	Bridge Parapet Fabrication	120 days	0 days	120 days	0%	Mon 16/11/20	Mon 15/3/21	NA	NA	Wed 26/5/21	Wed 22/9/21	191 days	30 days																		
719	Pumps for Salt and Sewage Pumping Stations	150 days	0 days	150 days	0%	Mon 5/4/21	Wed 1/9/21	NA	NA	Sun 19/9/21	Tue 15/2/22	167 days	30 days																		
720	Excavation Permit	300 days	0 days	300 days	0%	Mon 31/8/20	Thu 2/9/21	NA	NA	Mon 23/11/20	Tue 1/3/22	69 days																			
721	TTA Application for Junction Modification Rd L6 & D2	182 days	0 days	182 days	0%	Tue 1/9/20	Mon 1/3/21	NA	NA	Mon 23/11/20	Sun 23/5/21	83 days	2 days																		
722	Interfaced DCS 3 x DN150mm chilled water pipes under contract no. 2852EM17A and 4 nos. of signaling cable along North Approach Ramp and Gate 3B (Agreed)	368 days	0 days	368 days	0%	Mon 31/8/20	Thu 2/9/21	NA	NA	Sat 27/2/21	Tue 1/3/22	180 days	3 day																		
723	Section 1	842 days	107.17 days	734.83 days	0%	Thu 16/5/19	Mon 14/3/22	Thu 16/5/19	NA	Thu 16/5/19	Wed 29/5/24	657 days																			
724	Agree Interface Coordination Plan with CKR & KTSP	14 days	14 days	0 days	100%	Tue 27/8/19	Wed 11/9/19	Tue 27/8/19	Wed 11/9/19	Tue 27/8/19	Wed 11/9/19	0 days	0 days	1225,1226																	
725	Ground Investigation	341 days	193.02 days	147.98 days	0%	Thu 12/9/19	Thu 5/11/20	Thu 12/9/19	NA	Thu 12/9/19	Sat 13/8/22	526 days																			
726	GI Work	318 days	180 days	138 days	57%	Thu 12/9/19	Thu 5/11/20	Thu 12/9/19	NA	Thu 12/9/19	Sat 13/8/22	526 days	0.5 days	724																	
727	Part 1 - Junction Modification Rd L6 & D2	414 days	0 days	414 days	0%	Mon 5/10/20	Fri 25/2/22	NA	NA	Mon 23/11/20	Tue 1/3/22	3 days																			
728	XP Application for Junction Modification Rd L6 & D2	182 days	0 days	182 days	0%	Mon 5/10/20	Sun 4/4/21	NA	NA	Mon 23/11/20	Sun 23/5/21	49 days	1 day																		
729	Stage 1: Trial Pit to locate the existing underground cables and utilities	14 days	0 days	14 days	0%	Thu 20/5/21	Fri 4/6/21	NA	NA	Mon 24/5/21	Tue 8/6/21	3 days	1 day	141,375,721,728																	
730	Stage 2: Trial Pit to locate the existing underground cables and utilities	14 days	0 days	14 days	0%	Sat 5/6/21	Tue 22/6/21	NA	NA	Wed 9/6/21	Fri 25/6/21	3 days	1 day	729																	
731	Stage 3: East Bound + Drop Kerb Modification + Road Marking	76 days	0 days	76 days	0%	Wed 23/6/21	Mon 20/9/21	NA	NA	Sat 26/6/21	Fri 24/9/21	3 days	1 day	730																	
732	Stage 4: TTA for Central Divider	76 days	0 days	76 days	0%	Tue 21/9/21	Tue 21/12/21	NA	NA	Sat 25/9/21	Fri 24/12/21	3 days	1 day	731,113																	
733	Stage 5: Construct 2 Dividers	51 days	0 days	51 days	0%	Wed 22/12/21	Fri 25/2/22	NA	NA	Tue 28/12/21	Tue 1/3/22	3 days	1 day	732																	
734	Bridge D3 (Approach Ramp and Bridge) CH1087-1444.7	812 days	91.74 days	720.26 days	0%	Thu 16/5/19	Mon 7/2/22	Thu 16/5/19	NA	Mon 11/11/19	Wed 29/5/24	687 days																			
735	North Approach Ramp	636 days	66.85 days	569.15 days	0%	Wed 25/12/19	Fri 18/2/22	Wed 25/12/19	NA	Wed 25/12/19	Tue 1/3/22	9 days																			
736	Procurement of Movement Joints for Bridge Works	180 days	0 days	180 days	0%	Tue 11/8/20	Sat 6/2/21	NA	NA	Fri 9/10/20	Tue 6/4/21	59 days	30 days	194,220																	
737	Sheetpile Driven along North, South & East Side ELS Cofferdam (assume 169 long)	4 days	4 days	0 days	100%	Tue 14/1/20	Fri 17/1/20	Tue 14/1/20	Fri 17/1/20	Tue 14/1/20	Fri 17/1/20	0 days	0.5 day																		
738	KTSP Completed Driven H-pile Installation	41 days	41 days	0 days	100%	Wed 25/12/19	Mon 3/2/20	Wed 25/12/19	Mon 3/2/20	Wed 25/12/19	Mon 3/2/20	0 days																			
739	Hoarding Removal along KTSP Site	5 days	5 days	0 days	100%	Tue 4/2/20	Sat 8/2/20	Tue 4/2/20	Sat 8/2/20	Tue 4/2/20	Sat 8/2/20	0 days	0.5 day	738																	
Title: Rev.11 Prog with Progress as of 22-May-20																	Task Split Milestone														
																	Summary Project Summary Inactive Task														
																	Inactive Milestone Inactive Summary Manual Task														
																	Duration-only Manual Summary Rollup Manual Summary														
																	Start-only Finish-only External Tasks														
																	External Milestone Deadline Critical														
																	Critical Split Progress Manual Progress														

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2
740	Sheetpile Driven along Western ELS Cofferdam (assume 105m long)	8 days	8 days	0 days	100%	Tue 11/2/20	Wed 19/2/20	Tue 11/2/20	Wed 19/2/20	Tue 11/2/20	Wed 19/2/20	0 days	0.5 day	737,739																	
741	Excavation with Shoring and Waling Installation with Rock Fill Replacement include Sand Raplacemnet Test with PWRL for KD1	44 days	44 days	0 days	100%	Thu 20/2/20	Wed 15/4/20	Thu 20/2/20	Wed 15/4/20	Thu 20/2/20	Wed 15/4/20	0 days	1 day																		
742	Remaining Excavation with Shoring and Waling Installation with Rock Fill Replacement include Sand Raplacemnet Test with PWRL	37 days	0 days	37 days	0%	Tue 6/10/20	Wed 18/11/20	NA	NA	Tue 13/10/20	Wed 25/11/20	6 days	2 days	741,761																	
743	North Approach Ramp (Bays No.2,3,4&5) (Next to BEM) (KD1)	106 days	34.01 days	71.99 days	0%	Wed 1/4/20	Tue 11/8/20	Wed 1/4/20	NA	Wed 1/4/20	Fri 7/8/20	-3 days																			
744	Bay No.3 Base Slab with Blinding (1)+(2)	15 days	15 days	0 days	100%	Wed 1/4/20	Wed 22/4/20	Wed 1/4/20	Wed 22/4/20	Wed 1/4/20	Wed 22/4/20	0 days	0.5 days	741SS+35 days																	
745	Bay No.3: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former)	42 days	22 days	20 days	45%	Wed 22/4/20	Thu 11/6/20	Wed 22/4/20	NA	Wed 22/4/20	Thu 11/6/20	-3 days		744																	
746	May 2020 Inclement Weather	3 days	0 days	3 days	0%	Fri 12/6/20	Mon 15/6/20	NA	NA	Tue 9/6/20	Thu 11/6/20	-3 days		745,74SS																	
747	Bay No. 3: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab(6)+(7)	15 days	0 days	15 days	0%	Tue 16/6/20	Sat 4/7/20	NA	NA	Fri 12/6/20	Tue 30/6/20	-3 days	1 day	745,746																	
748	Bay No. 3: Top Slab Construction with Formwork & Falsework Erection(8)	12 days	0 days	12 days	0%	Mon 6/7/20	Sat 18/7/20	NA	NA	Thu 2/7/20	Wed 15/7/20	-3 days	1 day	747																	
749	Bay No.2 Base Slab with Blinding (1)+(2)	11 days	11 days	0 days	100%	Tue 28/4/20	Tue 12/5/20	Tue 28/4/20	Tue 12/5/20	Tue 28/4/20	Tue 12/5/20	0 days	1 day	741FS+2 days																	
750	Bay No.2: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former) (3)+(4)+(5)	23 days	6 days	17 days	25%	Sat 16/5/20	Thu 11/6/20	Sat 16/5/20	NA	Sat 16/5/20	Thu 11/6/20	-1 day	1 day	749																	
751	Bay No. 2: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab (6)+(7)	18 days	0 days	18 days	0%	Fri 12/6/20	Sat 4/7/20	NA	NA	Thu 11/6/20	Fri 3/7/20	-1 day	1 day	750																	
752	Bay No. 2: Top Slab Construction with Formwork & Falsework Erection(8)	12 days	0 days	12 days	0%	Wed 8/7/20	Tue 21/7/20	NA	NA	Sat 4/7/20	Fri 17/7/20	-3 days	1 day	751,748FF+2 days																	
753	Bay No.4 Base Slab with Blinding (1)+(2)	15 days	15 days	0 days	100%	Wed 1/4/20	Wed 13/5/20	Wed 1/4/20	Wed 13/5/20	Wed 1/4/20	Wed 13/5/20	0 days	1 day	741SS+35 days																	
754	Bay No.4: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former) (3)+(4)+(5)	22 days	8 days	14 days	36%	Thu 14/5/20	Tue 9/6/20	Thu 14/5/20	NA	Thu 14/5/20	Tue 9/6/20	-3 days	1 day	753,750SS+7 days																	
755	Bay No. 4: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab (6)+(7)	20 days	0 days	20 days	0%	Wed 10/6/20	Sat 4/7/20	NA	NA	Sat 6/6/20	Tue 30/6/20	-3 days	1 day	754																	
756	Bay No. 4: Top Slab Construction with Formwork & Falsework Erection (8)	14 days	0 days	14 days	0%	Mon 6/7/20	Tue 21/7/20	NA	NA	Thu 2/7/20	Fri 17/7/20	-3 days	1 day	755,751SS+4 days																	
757	Backfill (9)	12 days	0 days	12 days	0%	Wed 22/7/20	Tue 4/8/20	NA	NA	Sat 18/7/20	Fri 31/7/20	-3 days	0.5 days	756,752,748																	
758	Sheetpile Extraction and Road Reinstatement (10) (KD1)	6 days	0 days	6 days	0%	Wed 5/8/20	Tue 11/8/20	NA	NA	Sat 1/8/20	Fri 7/8/20	-3 days	0.5 days	757																	
759	North Approach Ramp (Bays No.5 & 6) (Next to BEM)	92 days	0 days	92 days	0%	Mon 24/8/20	Mon 23/11/20	NA	NA	Thu 27/8/20	Thu 17/12/20	3 days																			
760	Bay No.5 Base Slab with Blinding (1+2)	8 days	0 days	8 days	0%	Thu 10/9/20	Fri 18/9/20	NA	NA	Mon 14/9/20	Tue 22/9/20	3 days	1 day	749,753SS+4 da																	
761	Bay No.5: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former) (3+4+5)	12 days	0 days	12 days	0%	Sat 19/9/20	Mon 5/10/20	NA	NA	Wed 23/9/20	Thu 8/10/20	3 days	1 day	760																	
762	Bay No. 5: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab (6)+(7)	20 days	0 days	20 days	0%	Tue 6/10/20	Thu 29/10/20	NA	NA	Fri 9/10/20	Mon 2/11/20	3 days	1 day	761,755SS+4 days																	
763	Bay No. 5: Top Slab Construction with Formwork & Falsework Erection & Removal (8)	12 days	0 days	12 days	0%	Fri 30/10/20	Thu 12/11/20	NA	NA	Tue 3/11/20	Mon 16/11/20	3 days	1 day	762,227FF																	
764	Bay No.6 Base Slab with Blinding (1)+(2)	15 days	0 days	15 days	0%	Mon 24/8/20	Wed 9/9/20	NA	NA	Thu 27/8/20	Sat 12/9/20	3 days	1 day	741SS+35 days																	
765	Bay No.6: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former) (3)+(4)+(5)	17 days	0 days	17 days	0%	Thu 10/9/20	Tue 29/9/20	NA	NA	Wed 7/10/20	Tue 27/10/20	21 days	1 day	764																	
766	Bay No. 6: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab(6)+(7)	27 days	0 days	27 days	0%	Wed 30/9/20	Tue 3/11/20	NA	NA	Wed 28/10/20	Fri 27/11/20	21 days	1 day	765																	
767	Bay No. 6: Top Slab Construction with Formwork & Falsework Erection & Removal (8)	17 days	0 days	17 days	0%	Wed 4/11/20	Mon 23/11/20	NA	NA	Sat 28/11/20	Thu 17/12/20	21 days	1 day	765,766																	
768	North Approach Ramp (Bays 7&8) (Next to BEM)	56 days	0 days	56 days	0%	Tue 26/1/21	Wed 7/4/21	NA	NA	Tue 26/1/21	Sat 17/4/21	0 days																			
769	Bay 7: Blinding	1 day	0 days	1 day	0%	Tue 26/1/21	Tue 26/1/21	NA	NA	Tue 26/1/21	Tue 26/1/21	0 days	0.5 days	816,767																	
770	Bay 7: Base slab	9 days	0 days	9 days	0%	Wed 27/1/21	Fri 5/2/21	NA	NA	Wed 27/1/21	Fri 5/2/21	0 days	1 day	816,769																	
771	Bay 7: Wall	13 days	0 days	13 days	0%	Sat 6/2/21	Wed 24/2/21	NA	NA	Wed 31/3/21	Sat 17/4/21	42 days	1 day	819,770																	
772	Bay 8: Blinding	1 day	0 days	1 day	0%	Wed 27/1/21	Wed 27/1/21	NA	NA	Fri 5/2/21	Fri 5/2/21	8 days	0.5 days	769																	
773	Bay 8: Base slab	9 days	0 days	9 days	0%	Sat 6/2/21	Fri 19/2/21	NA	NA	Sat 6/2/21	Fri 19/2/21	0 days	1 day	816,770,772																	
774	Bay 8: Wall	13 days	0 days	13 days	0%	Sat 20/2/21	Sat 6/3/21	NA	NA	Sat 20/2/21	Sat 6/3/21	0 days	1 day	773,819																	
775	Bays No.7&8: Backfilling	15 days	0 days	15 days	0%	Mon 8/3/21	Wed 24/3/21	NA	NA	Thu 18/3/21	Wed 7/4/21	9 days	1 day	774,767																	
776	Bays No.7&8: Extract Sheetpile	9 days	0 days	9 days	0%	Thu 25/3/21	Wed 7/4/21	NA	NA	Thu 8/4/21	Sat 17/4/21	9 days	0.5 days	775																	
777	North Approach Ramp (Bays No.2,3,4) (Next to KTSP)	149 days	0 days	149 days	0%	Mon 17/8/20	Tue 12/1/21	NA	NA	Tue 25/8/20	Fri 5/2/21	8 days																			
778	Bay No.3 Base Slab with Blinding (1)+(2)	15 days	0 days	15 days	0%	Mon 24/8/20	Wed 9/9/20	NA	NA	Tue 1/9/20	Thu 17/9/20	7 days	1 day																		
779	Bay No.3: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former) (3)+(4)+(5)	17 days	0 days	17 days	0%	Thu 10/9/20	Tue 29/9/20	NA	NA	Wed 7/10/20	Tue 27/10/20	21 days	1 day	778																	
780	Bay No. 3: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab(6)+(7)	27 days	0 days	27 days	0%	Wed 30/9/20	Tue 3/11/20	NA	NA	Wed 28/10/20	Fri 27/11/20	21 days	1 day	779																	
781	Bay No. 3: Top Slab Construction with Formwork & Falsework Erection & Removal (8)	17 days	0 days	17 days	0%	Wed 4/11/20	Mon 23/11/20	NA	NA	Sat 28/11/20	Thu 17/12/20	21 days	1 day	779,780																	
782	Bay No.2 Base Slab with Blinding (1)+(2)	15 days	0 days	15 days	0%	Mon 17/8/20	Wed 2/9/20	NA	NA	Tue 25/8/20	Thu 10/9/20	7 days	1 day	778FS-21 days																	
783	Bay No.2: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former) (3)+(4)+(5)	17 days	0 days	17 days	0%	Thu 3/9/20	Tue 22/9/20	NA	NA	Wed 7/10/20	Tue 27/10/20	27 days	1 day	782																	
Title: Rev.11 Prog with Progress as of 22-May-20															<div><div>Task</div><div>Split</div><div>Milestone</div></div> <div><div></div><div>.....</div><div>◆</div></div> <div><div>Summary</div><div>Project Summary</div><div>Inactive Task</div></div> <div><div></div><div></div><div></div></div> <div><div>Inactive Milestone</div><div>Inactive Summary</div><div>Manual Task</div></div> <div><div>◇</div><div></div><div></div></div> <div><div>Duration-only</div><div>Manual Summary Rollup</div><div>Manual Summary</div></div> <div><div></div><div></div><div></div></div> <div><div>Start-only</div><div>Finish-only</div><div>External Tasks</div></div> <div><div></div><div></div><div></div></div> <div><div>External Milestone</div><div>Deadline</div><div>Critical</div></div> <div><div>◇</div><div>↓</div><div></div></div> <div><div>Critical Split</div><div>Progress</div><div>Manual Progress</div></div> <div><div>.....</div><div></div><div></div></div> <div>Page 18 of 36</div>																

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2
784	Bay No. 2: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab(6)+(7)	27 days	0 days	27 days	0%	Wed 23/9/20	Tue 27/10/20	NA	NA	Wed 28/10/20	Fri 27/11/20	27 days	1 day	783																	
785	Bay No. 2: Top Slab Construction with Formwork & Falsework Erection & Removal (8)	17 days	0 days	17 days	0%	Wed 28/10/20	Mon 16/11/20	NA	NA	Sat 28/11/20	Thu 17/12/20	27 days	1 day	783,784																	
786	Bay No.4 Base Slab with Blinding (1)+(2)	15 days	0 days	15 days	0%	Tue 18/8/20	Thu 3/9/20	NA	NA	Wed 26/8/20	Fri 11/9/20	7 days	1 day	782SS+1 day																	
787	Bay No.4: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former (3)+(4)+(5)	17 days	0 days	17 days	0%	Fri 4/9/20	Wed 23/9/20	NA	NA	Sat 12/9/20	Sat 3/10/20	7 days	1 day	786																	
788	Bay No. 4: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab(6)+(7)	27 days	0 days	27 days	0%	Thu 24/9/20	Wed 28/10/20	NA	NA	Mon 5/10/20	Thu 5/11/20	7 days	1 day	787																	
789	Bay No. 4: Top Slab Construction with Formwork & Falsework Erection & Removal (8)	17 days	0 days	17 days	0%	Thu 29/10/20	Tue 17/11/20	NA	NA	Fri 6/11/20	Wed 25/11/20	7 days	1 day	787,788																	
790	Bay No.2,3&4: Backfilling upto +3.0mPD	28 days	0 days	28 days	0%	Tue 24/11/20	Mon 28/12/20	NA	NA	Fri 18/12/20	Fri 22/1/21	21 days	1 day	789,785,781,767																	
791	Bay No.4: Sheetpile Extraction (KD2)	12 days	0 days	12 days	0%	Tue 29/12/20	Tue 12/1/21	NA	NA	Sat 23/1/21	Fri 5/2/21	21 days	0.5 days	790																	
792	North Approach Ramp (Bays No.5,6) (Next to KTSP)	141 days	0 days	141 days	0%	Wed 18/11/20	Wed 7/4/21	NA	NA	Thu 26/11/20	Sat 10/4/21	3 days																			
793	Bay No.5 Base Slab with Blinding (1)+(2)	15 days	0 days	15 days	0%	Mon 23/11/20	Wed 9/12/20	NA	NA	Thu 26/11/20	Sat 12/12/20	3 days	1 day	741SS+35 days,																	
794	Bay No.5: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former (3)+(4)+(5)	17 days	0 days	17 days	0%	Thu 10/12/20	Thu 31/12/20	NA	NA	Mon 14/12/20	Tue 5/1/21	3 days	1 day	793																	
795	Bay No. 5: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab(6)+(7)	27 days	0 days	27 days	0%	Sat 2/1/21	Tue 2/2/21	NA	NA	Wed 6/1/21	Fri 5/2/21	3 days	1 day	794																	
796	Bay No. 5: Top Slab Construction with Formwork & Falsework Erection & Removal (8)	17 days	0 days	17 days	0%	Wed 3/2/21	Thu 25/2/21	NA	NA	Sat 6/2/21	Mon 1/3/21	3 days	1 day	794,795,791																	
797	Bay No.6 Base Slab with Blinding (1)+(2)	15 days	0 days	15 days	0%	Wed 18/11/20	Fri 4/12/20	NA	NA	Thu 26/11/20	Sat 12/12/20	7 days	1 day	789																	
798	Bay No.6: Wall & Column with Soffit (upto +4.6mPD) (include Wall Former (3)+(4)+(5)	17 days	0 days	17 days	0%	Sat 5/12/20	Thu 24/12/20	NA	NA	Mon 14/12/20	Tue 5/1/21	7 days	1 day	797																	
799	Bay No. 6: Wall & Column Casted and Formwork & Falsework upto Soffit of Top Slab(6)+(7)	27 days	0 days	27 days	0%	Mon 28/12/20	Thu 28/1/21	NA	NA	Wed 6/1/21	Fri 5/2/21	7 days	1 day	798																	
800	Bay No. 6: Top Slab Construction with Formwork & Falsework Erection & Removal (8)	17 days	0 days																												

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2
829	Part 3C - CH1229 to CH1279	823 days?	137.51 days	685.49 days?	0%	Thu 16/5/19	Sat 19/2/22	Thu 16/5/19	NA	Mon 11/11/19	Wed 29/5/24	676 da...																			
830	Abutment A01 Piling	0 days	0 days	0 days	0%	Thu 16/5/19	Thu 16/5/19	NA	NA	Wed 29/5/24	Wed 29/5/24	1841 d...																			
831	CH1189: Bored Pile (A01-BP1) by Rig 1(Contractor Bear DDA Approval Risk)	61 days	40 days	21 days	66%	Tue 31/3/20	Tue 16/6/20	Tue 31/3/20	NA	Tue 31/3/20	Tue 16/6/20	0 days	1 day	839																	
832	CH1189: Bored Pile (A01-BP2) by Rig 1 (Contractor Bear DDA Approval Risk)	29 days	29 days	0 days	100%	Mon 13/4/20	Tue 19/5/20	Mon 13/4/20	Tue 19/5/20	Mon 13/4/20	Tue 19/5/20	0 days	1 day																		
833	Abutment A01: Pile Testing (28d curing & 14 test) - 1 full-core to be carried out	37 days	0 days	37 days	0%	Wed 17/6/20	Fri 31/7/20	NA	NA	Wed 17/6/20	Fri 31/7/20	0 days	5 days	831,832																	
834	Abutment A01: Proof-drilling Works	11 days	0 days	11 days	0%	Sat 1/8/20	Thu 13/8/20	NA	NA	Sat 1/8/20	Thu 13/8/20	0 days	2 day	833																	
835	Mobilization of plant and material	6 days	6 days	0 days	100%	Mon 11/11/19	Sat 16/11/19	Mon 11/11/19	Sat 16/11/19	Mon 11/11/19	Sat 16/11/19	0 days	1 days	14,194,193																	
836	CH1229: Pre-drilling Works	21 days	21 days	0 days	100%	Tue 19/11/19	Thu 12/12/19	Tue 19/11/19	Thu 12/12/19	Tue 19/11/19	Thu 12/12/19	0 days	0.5 days																		
837	Pier P01 Piling, Pilecap & Pier	0 days	0 days	0 days	0%	Thu 16/5/19	Thu 16/5/19	NA	NA	Wed 29/5/24	Wed 29/5/24	1841 d...																			
838	Bored pile (P01-BP2) @ CH1229 by Rig 1 (Contractor Bear DDA Approval Risk)	44 days	44 days	0 days	100%	Fri 17/1/20	Wed 11/3/20	Fri 17/1/20	Wed 11/3/20	Fri 17/1/20	Wed 11/3/20	0 days	0.5 days																		
839	Bored pile (P01-BP1) @ CH1229 by Rig 1 (Contractor Bear DDA Approval Risk)	38 days	38 days	0 days	100%	Mon 24/2/20	Wed 8/4/20	Mon 24/2/20	Wed 8/4/20	Mon 24/2/20	Wed 8/4/20	0 days	0.5 days	838SS+30 days																	
840	Pier P01: Pile Testing (18d curing & 14 test)	45 days	0 days	45 days	0%	Sat 23/5/20	Thu 16/7/20	NA	NA	Mon 6/7/20	Wed 26/8/20	35 days	3 days	839																	
841	Pier P01: Proof-drilling Works	10 days	0 days	10 days	0%	Fri 17/7/20	Tue 28/7/20	NA	NA	Thu 27/8/20	Mon 7/9/20	35 days	1 day	839,840																	
842	Pile Cap P01 @ CH1229	98 days	0 days	98 days	0%	Mon 15/6/20	Sun 11/10/20	NA	NA	Sat 29/8/20	Fri 13/11/20	28 days																			
843	Excavation with Shoring Installation ~2600m3 Prod. Rate: 160m3/day/team	17 days	0 days	17 days	0%	Wed 29/7/20	Mon 17/8/20	NA	NA	Tue 8/9/20	Sat 26/9/20	35 days	1 day	841																	
844	Pilecap - Formwork Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 15/6/20	Mon 15/6/20	NA	NA	Sat 29/8/20	Sat 29/8/20	75 days	1 day																		
845	Pilecap - Formwork Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Mon 15/6/20	Tue 14/7/20	NA	NA	Sat 29/8																					

Contract No. ED/2018/01 KTD Project																														
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020		2021				2022				2023				2024	
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2			
874	Bridge Deck - Temp. Works Design and Method Statement Comment & Appraoval	35 days	0 days	35 days	0%	Mon 2/11/20	Sun 6/12/20	NA	NA	Tue 19/1/21	Mon 22/2/21	78 days	1 day	873																
875	CH1229-1311: Deck Falsework erection Part 1	32 days	0 days	32 days	0%	Tue 23/2/21	Wed 31/3/21	NA	NA	Tue 23/2/21	Wed 31/3/21	0 days	1 day	874,922																
876	CH1229-1311: Deck Falsework erection Part 2	28 days	0 days	28 days	0%	Thu 1/4/21	Fri 7/5/21	NA	NA	Thu 1/4/21	Fri 7/5/21	0 days	3 days	875,871																
877	CH1229-1311: Structure deck	50 days	0 days	50 days	0%	Wed 7/4/21	Sat 5/6/21	NA	NA	Wed 7/4/21	Sat 5/6/21	0 days	2 day	475,483,736,875																
878	CH1229-1311: Prestressing	18 days	0 days	18 days	0%	Thu 24/6/21	Thu 15/7/21	NA	NA	Thu 24/6/21	Thu 15/7/21	0 days	0.5 day	877FS+14 days																
879	CH1229-1311: Falsework Under Main Deck Removal	12 days	0 days	12 days	0%	Fri 16/7/21	Thu 29/7/21	NA	NA	Fri 16/7/21	Thu 29/7/21	0 days	0.5 day	878																
880	CH1229-1311: Utility Trough (0.67m per day per team) x 4 team	70 days	0 days	70 days	0%	Fri 16/7/21	Thu 7/10/21	NA	NA	Thu 22/7/21	Wed 13/10/21	5 days	9 days	219,878																
881	CH1229-1311: Central Median (6m per day per team) x 2 team	31 days	0 days	31 days	0%	Fri 16/7/21	Fri 20/8/21	NA	NA	Sat 2/10/21	Mon 8/11/21	65 days	3 days	878																
882	CH1229-1311: Parapet (28m per day per team) x 2 team + 6x2 day concreting	21 days	0 days	21 days	0%	Fri 8/10/21	Tue 2/11/21	NA	NA	Fri 15/10/21	Mon 8/11/21	5 days	3 days	880																
883	CH1229-1311: Removal of Falsework (KD6)	42 days	0 days	42 days	0%	Wed 3/11/21	Tue 21/12/21	NA	NA	Tue 9/11/21	Wed 29/12/21	5 days	6 days	880,882,881																
884	CH1229-1311: Road Furniture	15 days	0 days	15 days	0%	Sat 21/8/21	Tue 7/9/21	NA	NA	Sat 27/11/21	Tue 14/12/21	81 days	1 day	881,358																
885	Part 3D - CH1279 to CH1311	196 days	0 days	196 days	0%	Mon 7/6/21	Sat 29/1/22	NA	NA	Wed 16/6/21	Fri 11/2/22	7 days																		
886	Stage 1: Bridge deck between CH1269-1311	196 days	0 days	196 days	0%	Mon 7/6/21	Sat 29/1/22	NA	NA	Wed 16/6/21	Fri 11/2/22	7 days																		
887	CH1269-1311: Structure deck	50 days	0 days	50 days	0%	Mon 7/6/21	Thu 5/8/21	NA	NA	Wed 16/6/21	Fri 13/8/21	7 days	2 day	475,483,736,877																
888	Prestressing CH1269 - 1311 Bridge Spans	21 days	0 days	21 days	0%	Mon 23/8/21	Wed 15/9/21	NA	NA	Tue 31/8/21	Fri 24/9/21	7 days	3 day	887FS+14 days																
889	CH1269-1311: Utility Trough (0.67m per day per team) x 2 team	64 days	0 days	64 days	0%	Thu 16/9/21	Thu 2/12/21	NA	NA	Sat 25/9/21	Fri 10/12/21	7 days	0.5 day	888,219																
890	CH1269-1311 : Parapet (28m per day per team) x 1 team + 6 day concreting	17 days	0 days	17 days	0%	Fri 3/12/21	Wed 22/12/21	NA	NA	Sat 11/12/21	Mon 3/1/22	7 days	3 days	889																
891	CH1269-1311 : Central Median (6m per day per team) x 1 team	15 days	0 days	15 days	0%	Thu 23/12/21	Wed 12/1/22	NA	NA	Wed 5/1/22	Fri 21/1/22	8 days	1 day	889,890</																

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2
919	Allow access to CKR-KTW contractor for sheet pile wall installation. PS App.1.18 2.7(A)(c)	60 days	0 days	60 days	0%	Thu 22/10/20	Sun 20/12/20	NA	NA	Thu 22/10/20	Sun 20/12/20	0 days	0 days	917,918																	
920	Pier - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 12/10/20	Mon 12/10/20	NA	NA	Mon 16/11/20	Mon 16/11/20	35 days	1 day																		
921	Pier - Temp. Works Design and Method Statement Comment & Approval	35 days	0 days	35 days	0%	Mon 12/10/20	Sun 15/11/20	NA	NA	Mon 16/11/20	Sun 20/12/20	35 days	1 day	920																	
922	Pier P03 @ CH1311	49 days	0 days	49 days	0%	Mon 21/12/20	Mon 22/2/21	NA	NA	Mon 21/12/20	Mon 22/2/21	0 days	1 day	916,919,850SS+																	
923	Pre-drilling Works	15 days	15 days	0 days	100%	Wed 4/12/19	Wed 18/12/19	Wed 4/12/19	Wed 18/12/...	Wed 4/12/19	Wed 18/12/19	0 days	0.5 days																		
924	Diversion of existing 150mm dia. Watermain (agreed)	54 days	42 days	12 days	78%	Sat 28/3/20	Fri 5/6/20	Sat 28/3/20	NA	Sat 28/3/20	Sat 14/11/20	134 days	2 days																		
925	Bored pile (P04-BP2) @ CH1351 (Rig 2)	52 days	1 day	51 days	0%	Fri 22/5/20	Wed 21/10/20	Fri 22/5/20	NA	Fri 22/5/20	Tue 19/1/21	73 days	3 days	923,856																	
926	Bored pile (P04-BP1) @ CH1351 (Rig 2)	53 days	0 days	53 days	0%	Tue 11/8/20	Tue 13/10/20	NA	NA	Mon 16/11/20	Tue 19/1/21	80 days	3 days	202,924,923,925																	
927	Pile Testing (14d curing & 14 test)	35 days	0 days	35 days	0%	Thu 22/10/20	Wed 2/12/20	NA	NA	Wed 20/1/21	Thu 4/3/21	73 days	3 days	926,925																	
928	Proof-drilling Works	11 days	0 days	11 days	0%	Thu 3/12/20	Tue 15/12/20	NA	NA	Fri 5/3/21	Wed 17/3/21	73 days	2 days	927																	
929	Pile Cap P04 @ CH1351 with ELS	47 days	0 days	47 days	0%	Wed 16/12/20	Thu 11/2/21	NA	NA	Thu 1/4/21	Mon 31/5/21	85 days		933SS,928																	
930	Pile Cap @ CH1351	97 days	0 days	97 days	0%	Mon 2/11/20	Mon 1/3/21	NA	NA	Tue 16/2/21	Mon 31/5/21	73 days																			
931	Pilecap ELS- Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 2/11/20	Mon 2/11/20	NA	NA	Tue 16/2/21	Tue 16/2/21	106 days	1 day																		
932	Pilecap ELS - Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Mon 2/11/20	Tue 1/12/20	NA	NA	Tue 16/2/21	Wed 17/3/21	106 days	1 day	931																	
933	Drive sheetpile (~75m). Prod. Rate: 10m/day/side/team	10 days	0 days	10 days	0%	Wed 16/12/20	Tue 29/12/20	NA	NA	Thu 18/3/21	Mon 29/3/21	73 days	2 days	932,928																	
934	Excavation with Shoring Installation ~2600m3 Prod. Rate: 160m3/day/team	19 days	0 days	19 days	0%	Wed 30/12/20	Thu 21/1/21	NA	NA	Tue 30/3/21	Fri 23/4/21	73 days	2 day	933																	
935	Pilecap Formwork- Design and Method Statement Submission	0 days	0 days	0 days	0%	Tue 1/12/20	Tue 1/12/20	NA	NA	Thu 25/3/21	Thu 25/3/21	114 days	1 day																		

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ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2																									
964	Proof-drilling Works	11 days	0 days	11 days	0%	Mon 23/11/20	Fri 4/12/20	NA	NA	Tue 2/2/21	Wed 17/2/21	58 days	2 days	963																																										
965	South Abutment	166 days	0 days	166 days	0%	Wed 3/2/21	Thu 26/8/21	NA	NA	Thu 18/2/21	Tue 7/9/21	10 days		968SS,964																																										
966	South Abutment ELS- Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 4/1/21	Mon 4/1/21	NA	NA	Tue 19/1/21	Tue 19/1/21	15 days	1 day																																											
967	South Abutment ELS - Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Mon 4/1/21	Tue 2/2/21	NA	NA	Tue 19/1/21	Wed 17/2/21	15 days	1 day	966																																										
968	Drive sheetpile (~900m) Prod. Rate: 10m/d/team	11 days	0 days	11 days	0%	Wed 3/2/21	Thu 18/2/21	NA	NA	Thu 18/2/21	Tue 2/3/21	10 days	2 days	964,967,980																																										
969	Excavation ~1,344m3 & lateral support. Prod. Rate: 160m3/day/team	11 days	0 days	11 days	0%	Fri 19/2/21	Wed 3/3/21	NA	NA	Mon 22/3/21	Tue 6/4/21	26 days	2 days	968																																										
970	Blinding layer	1 day	0 days	1 day	0%	Thu 4/3/21	Thu 4/3/21	NA	NA	Wed 7/4/21	Wed 7/4/21	26 days	0 days	969																																										
971	South Abutment Formwork- Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 21/12/20	Mon 21/12/20	NA	NA	Tue 9/3/21	Tue 9/3/21	78 days	1 day																																											
972	South Abutment Formwork - Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Mon 21/12/20	Tue 19/1/21	NA	NA	Tue 9/3/21	Wed 7/4/21	78 days	1 day	971																																										
973	Base Slab	36 days	0 days	36 days	0%	Wed 17/3/21	Fri 30/4/21	NA	NA	Thu 8/4/21	Fri 21/5/21	16 days	2 days	970,972,986																																										
974	Wall (3.85m thk). Prod. Rate: 18d/bay/team	39 days	0 days	39 days	0%	Mon 3/5/21	Fri 18/6/21	NA	NA	Sat 22/5/21	Thu 8/7/21	16 days	3 days	973																																										
975	Wall (0.5m thk)	52 days	0 days	52 days	0%	Sat 19/6/21	Thu 19/8/21	NA	NA	Fri 9/7/21	Tue 7/9/21	16 days	2 days	974																																										
976	Install bridge bearing	8 days	0 days	8 days	0%	Fri 27/8/21	Sat 4/9/21	NA	NA	Wed 8/9/21	Thu 16/9/21	10 days	1 day	975,736,822,965																																										
977	South Approach Ramp - CH1394-1444.7 - Total 8 bays (4 bay/side)	259 days	0 days	259 days	0%	Mon 21/9/20	Fri 6/8/21	NA	NA	Sun 15/11/20	Sat 4/12/21	45 days																																												
978	South Approach Ramp ELS - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 21/9/20	Mon 21/9/20	NA	NA	Sun 15/11/20	Sun 15/11/20	55 days	1 day																																											
979	South Approach Ramp ELS - Temp. Works Design and Method Statement Comment & Approval	30 days	0 days	30 days	0%	Mon 21/9/20	Tue 20/10/20	NA	NA	Sun 15/11/20	Mon 14/12/20	55 days	1 day	978																																										
980	Drive sheetpile (~240m) Prod. Rate: 10m/d/team	26 days	0 days	26 days	0%	Mon 23/11/20	Tue 22/12/20	NA	NA	Tue 15/12/20	Sat 16/1/21	19 days	2 days	979,962,963																																										
981	Excavation ~2,688m3 & lateral support. Prod. Rate: 160m3/day/team	19 days	0 days	19 days	0%	Wed 23/12/20	Sat 16/1/21	NA	NA	Mon 18/1/21	Mon 8/2/21	19 days	2 days	980																																										
982	Rock Replacement	7 days	0 days	7 days	0%	Sun 17/1/21	Sat 23/1/21	NA	NA	Tue 9/2/21	Mon 15/2/21	23 days	1 day	981																																										
983	Blinding layer. Prod. Rate: 2bays/day	1 day	0 days	1 day	0%	Mon 25/1/21	Mon 25/1/21	NA	NA	Tue 16/2/21	Tue 16/2/21	16 days	1 day	981,982																																										
984	Sourth Approach - Formworks Design and Method Statement Submission	0 days	0 days	0 days	0%	Tue 1/12/20	Tue 1/12/20	NA	NA	Mon 18/1/21	Mon 18/1/21	48 days	1 day																																											
985	South Approach Ramp Formworks Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Tue 1/12/20	Wed 30/12/20	NA	NA	Mon 18/1/21	Tue 16/2/21	48 days	1 day	984																																										
986	6 x Base Slab Prod. Rate: 12d/bay/team x 2 teams	40 days	0 days	40 days	0%	Tue 26/1/21	Tue 16/3/21	NA	NA	Wed 17/2/21	Wed 7/4/21	16 days	4 days	983,985,244																																										
987	6 x Wall. Prod. Rate: 12d/bay/team x 3 level x 2 teams	78 days	0 days	78 days	0%	Wed 17/3/21	Tue 22/6/21	NA	NA	Mon 28/6/21	Tue 28/9/21	82 days	6 days	986																																										
988	Backfilling ~4,765.89m3 within approach ramp to formation level (160m3/day) +12d shoring removal x 2 (considered time for SRT)	38 days	0 days	38 days	0%	Wed 23/6/21	Fri 6/8/21	NA	NA	Fri 22/10/21	Sat 4/12/21	100 days	2 days	987																																										
989	CH1386-1444: South Approach Ramp (50m): Parapet, Central Median & Furniture	43 days	0 days	43 days	0%	Wed 15/12/21	Wed 9/2/22	NA	NA	Wed 15/12/21	Wed 9/2/22	0 days		988																																										
990	CH1386-1444: Central Median and Utilities Trough (5m per day per team) x 1 team	23 days	0 days	23 days	0%	Wed 15/12/21	Thu 13/1/22	NA	NA	Wed 15/12/21	Thu 13/1/22	0 days	2 days	253,956																																										
991	CH1386-1444: Parapet (10m per day per team) x 2 team + 2 team x 6 day concreting	13 days	0 days	13 days	0%	Fri 14/1/22	Fri 28/1/22	NA	NA	Fri 14/1/22	Fri 28/1/22	0 days	2 days	988,253,990																																										
992	CH1386-1444: Road Furniture	7 days	0 days	7 days	0%	Sat 29/1/22	Wed 9/2/22	NA	NA	Sat 29/1/22	Wed 9/2/22	0 days	1 day	990,358,991																																										
993	CH1087 - 1444: Bitumen Paving and Lighting	60 days	0 days	60 days	0%	Thu 30/12/21	Mon 14/3/22	NA	NA	Wed 15/12/21	Tue 1/3/22	-11 days	1 day	813,884,892FF,9																																										
994	2.6 Utility Laying	1 day?	0 days	1 day?	0%	Thu 16/5/19	Thu 16/5/19	NA	NA	Wed 29/5/24	Wed 29/5/24	1840 d...																																												
995	CH1087-1311 (224m): Utility Laying (by Others) (Agreed)	63 days	0 days	63 days	0%	Wed 29/12/21	Tue 1/3/22	NA	NA	Wed 29/12/21	Tue 1/3/22	0 days																																												
996	CLP (132kV)	63 days	0 days	63 days	0%	Wed 29/12/21	Tue 1/3/22	NA	NA	Wed 29/12/21	Tue 1/3/22	0 days	1 day	899,955SS+32 d																																										
997	CLP (11kV)	63 days	0 days	63 days	0%	Wed 29/12/21	Tue 1/3/22	NA	NA	Wed 29/12/21	Tue 1/3/22	0 days	1 day	996SS																																										
998	HKCG	53 days	0 days	53 days	0%	Wed 29/12/21	Sat 19/2/22	NA	NA	Sat 8/1/22	Tue 1/3/22	10 days	1 day	997SS																																										
999	CATV	23 days	0 days	23 days	0%	Wed 29/12/21	Thu 20/1/22	NA	NA	Thu 3/2/22	Fri 25/2/22	36 days	1 day	998SS																																										
1000	Towngas telecom	27 days	0 days	27 days	0%	Wed 29/12/21	Mon 24/1/22	NA	NA	Thu 3/2/22	Tue 1/3/22	36 days	1 day	999SS																																										
1001	PCCW-HKT	23 days	0 days	23 days	0%	Wed 29/12/21	Thu 20/1/22	NA	NA	Sun 6/2/22	Mon 28/2/22	39 days	1 day	1000SS																																										
1002	Fresh and Salt Watermains (by POC)	24 days	0 days	24 days	0%	Wed 29/12/21	Fri 21/1/22	NA	NA	Sun 6/2/22	Tue 1/3/22	39 days	1 day	1001SS																																										
1003	CH1311-1396 (85m): Utility Laying (by Others) (Agreed)	84 days	0 days	84 days	0%	Thu 7/10/21	Wed 29/12/21	NA	NA	Fri 4/2/22	Tue 1/3/22	62 days																																												
1004	CLP (11kV)	26 days	0 days	26 days	0%	Wed 5/1/22	Sun 30/1/22	NA	NA	Fri 4/2/22	Tue 1/3/22	30 days	1 day	899,955																																										
1005	PCCW-HKT	18 days	0 days	18 days	0%	Wed 5/1/22	Sat 22/1/22	NA	NA	Sat 12/2/22	Tue 1/3/22	38 days	1 day	1004SS																																										
1006	Sat and Fresh Watermain (by POC)	18 days	0 days	18 days	0%	Wed 5/1/22	Sat 22/1/22	NA	NA	Sat 12/2/22	Tue 1/3/22	38 days	1 day	1005SS																																										
1007	Underpass and Depressed Road	619 days	142.15 days	476.85 days	0%	Tue 3/9/19	Mon 4/10/21	Tue 3/9/19	NA	Tue 3/9/19	Tue 1/3/22	120 days																																												
Title: Rev.11 Prog with Progress as of 22-May-20															Task Split Milestone												Summary Project Summary Inactive Task										Inactive Milestone Inactive Summary Manual Task				Duration-only Manual Summary Rollup Manual Summary				Start-only Finish-only External Tasks				External Milestone Deadline Critical				Critical Split Progress Manual Progress			
Page 23 of 36																																																								

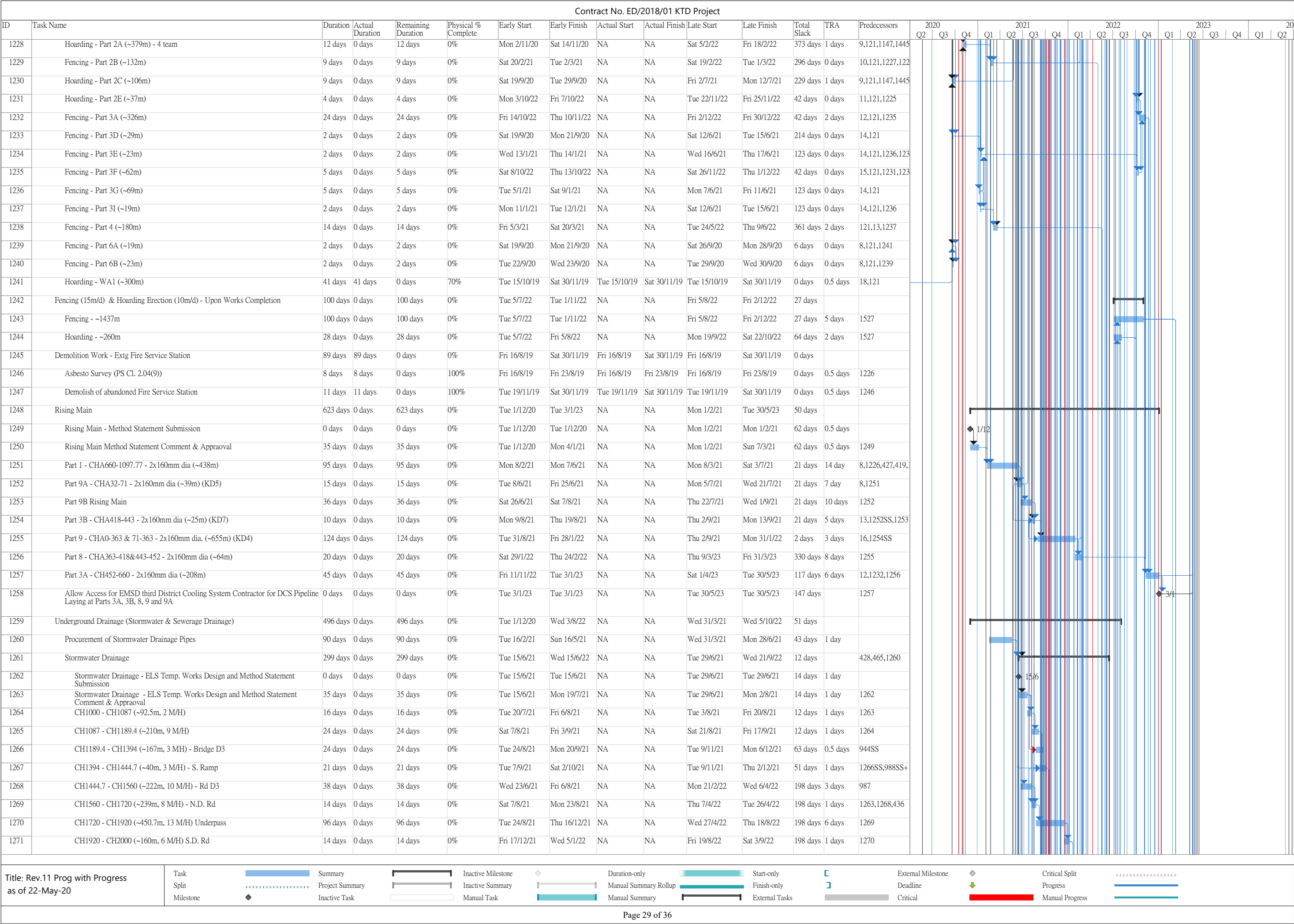
Contract No. ED/2018/01 KTD Project																																
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020	2020	2020	2020	2021	2021	2021	2021	2022	2022	2022	2023	2023	2023	2023	2023		
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
1008	North Depressed Rd (CH1560-1720)	562 days	211.42 days	350.58 days	0%	Tue 3/9/19	Tue 27/7/21	Tue 3/9/19	NA	Tue 3/9/19	Tue 1/3/22	177 days																				
1009	Ground Monitoring Works	17 days	17 days	0 days	100%	Tue 3/9/19	Thu 19/9/19	Tue 3/9/19	Thu 19/9/19	Tue 3/9/19	Thu 19/9/19	0 days	2 days																			
1010	Mobilization	7 days	7 days	0 days	100%	Fri 1/11/19	Fri 8/11/19	Fri 1/11/19	Fri 8/11/19	Fri 1/11/19	Fri 8/11/19	0 days	0 days																			
1011	Complete the Diveration of Existing Overhang Cable along the North Depressed Rd	1 day	1 day	0 days	100%	Sat 26/10/19	Sat 26/10/19	Sat 26/10/19	Sat 26/10/19	Sat 26/10/19	Sat 26/10/19	0 days	0.5 days																			
1012	Drive Sheet Pile (380m, 15,000m penetration depth) Prod. Rate by 2 teams (around 125m penetration depth per day per team)	39 days	39 days	0 days	100%	Fri 22/11/19	Thu 9/1/20	Fri 22/11/19	Thu 9/1/20	Fri 22/11/19	Thu 9/1/20	0 days	0.5 days	1009,1010,1011																		
1013	Pumping Test	120 days	75 days	45 days	0%	Thu 20/2/20	Fri 17/7/20	Thu 20/2/20	NA	Thu 20/2/20	Sat 18/7/20	1 day	0.5 days	1012																		
1014	CH1560 - CH1720 North Depress Road	449 days	98.66 days	350.34 days	0%	Mon 20/1/20	Tue 27/7/21	Mon 20/1/20	NA	Mon 20/1/20	Tue 1/3/22	177 days																				
1015	Excavation with Shoring Installation - Prod Rate: 270m3/d/team. (~36,611m3). 1 team	145 days	98 days	47 days	0%	Mon 20/1/20	Sat 18/7/20	Mon 20/1/20	NA	Mon 20/1/20	Sat 18/7/20	-11 days	1 day	1012																		
1016	CNCE No. 73 - April 2020 Inclement Weather	8 days	0 days	8 days	0%	Mon 20/7/20	Tue 28/7/20	NA	NA	Tue 7/7/20	Wed 15/7/20	-11 days		1015,73																		
1017	May 2020 - Inclement Weather	3 days	0 days	3 days	0%	Wed 29/7/20	Fri 31/7/20	NA	NA	Thu 16/7/20	Sat 18/7/20	-11 days		1016,74																		
1018	Rock Fill Replacement (Final Level)	6 days	0 days	6 days	0%	Sat 1/8/20	Fri 7/8/20	NA	NA	Mon 20/7/20	Sat 25/7/20	-11 days		1013,1015,1017																		
1019	6 Bay Base Slabs + 3 Levels Wall Both Sides	55 days	0 days	55 days	0%	Wed 3/6/20	Fri 7/8/20	NA	NA	Thu 21/5/20	Sat 25/7/20	-11 days		1015SS+107 day																		
1020	Base Slab and Wall Below 4th Level Shoring	25 days	0 days	25 days	0%	Sat 8/8/20	Sat 5/9/20	NA	NA	Mon 27/7/20	Mon 24/8/20	-11 days	0.5 days	1019,1015,1018																		
1021	Backfilling and 4th Level Shoring Removal	18 days	0 days	18 days	0%	Mon 7/9/20	Sat 26/9/20	NA	NA	Tue 25/8/20	Mon 14/9/20	-11 days		1020																		
1022	Wall Construction (between 3rd and 4th levels shoring) and Remaining Base Slab	24 days	0 days	24 days	0%	Mon 28/9/20	Wed 28/10/20	NA	NA	Tue 15/9/20	Wed 14/10/20	-11 days		1021																		
1023	Backfilling and 3rd Level Shoring Removal	18 days	0 days	18 days	0%	Thu 29/10/20	Wed 18/11/20	NA	NA	Thu 15/10/20	Thu 5/11/20	-11 days		1022																		
1024	Structure Works Below 2nd & 3rd Levels Shoring	23 days	0 days	23 days	0%	Thu 19/11/20	Tue 15/12/20	NA	NA	Fri 6/11/20	Wed 2/12/20	-11 days		1023																		
1025	Backfilling and 2nd Level Shoring Removal	18 days	0 days	18 days	0%	Wed 16/12/20	Fri 8/1/21	NA	NA	Thu 3/12/20	Wed 23/12/20	-11 days		1024																		
1026	Remaining Wall Construction	30 days	0 days	30 days	0%	Sat 9/1/21	Tue 16/2/21	NA	NA	Thu 24/12/20	Sat 30/1/21	-11 days		1025																		
1027	Backfill & extract sheet pile (CH1560 to CH1720)	26 days	0 days	26 days	0%	Wed 17/2/21	Thu 18/3/21	NA	NA	Mon 1/2/21	Fri 5/3/21	-11 days	1 day	1026																		
1028	Emergency walkway & median barrier installation	20 days	0 days	20 days	0%	Tue 1/6/21	Thu 24/6/21	NA	NA	Mon 3/1/22	Tue 25/1/22	177 days	2 days	1027																		
1029	Parapet installation	27 days	0 days	27 days	0%	Fri 25/6/21	Tue 27/7/21	NA	NA	Wed 26/1/22	Tue 1/3/22	177 days	3 days	1028																		
1030	CH1720 - CH1850 (130m long) (2 x teams)	477 days	0 days	477 days	0%	Mon 15/6/20	Mon 4/10/21	NA	NA	Mon 15/6/20	Mon 4/10/21	0 days																				
1031	Drive sheet pile (approx. 17000m penetration depth, 380m/day)	46 days	0 days	46 days	0%	Mon 15/6/20	Sat 8/8/20	NA	NA	Mon 15/6/20	Sat 8/8/20	0 days	2 day																			
1032	Pumping Test	22 days	0 days	22 days	0%	Mon 10/8/20	Thu 3/9/20	NA	NA	Mon 10/8/20	Thu 3/9/20	0 days	1 days	1031,1045																		
1033	CH1720 - CH1850 (130m long) (2 x teams) Top Portion: Excavation with Shoring Installation = 23,000 cu.m. (320m3/d/team x 2)	42 days	0 days	42 days	0%	Fri 4/9/20	Sat 24/10/20	NA	NA	Fri 4/9/20	Sat 24/10/20	0 days	2 day	1032																		
1034	CH1720 - CH1850 (130m long) (2 x teams) Bottom Portion: Excavation with Shoring Installation = 23,876 cu.m. (250m3/d/team x 2)	52 days	0 days	52 days	0%	Tue 27/10/20	Mon 28/12/20	NA	NA	Tue 27/10/20	Mon 28/12/20	0 days	1 day	1033																		
1035	Rock fill - Prod. Rate: (3,469m3) (160m3/d/team. 2 team)	6 days	0 days	6 days	0%	Tue 29/12/20	Tue 5/1/21	NA	NA	Tue 29/12/20	Tue 5/1/21	0 days	1 day	1033,1034																		
1036	Base Slab - 8 bays. Prod. Rate: 12d/team/bay include pipe laying. 4 teams	26 days	0 days	26 days	0%	Wed 3/3/21	Thu 1/4/21	NA	NA	Wed 3/3/21	Thu 1/4/21	0 days	2 day	1035,1042,262																		
1037	Wall - 8 bays. Prod. Rate: 3 level of shoring 12d/bay/level/team. 4 teams	75 days	0 days	75 days	0%	Tue 6/4/21	Tue 6/7/21	NA	NA	Tue 6/4/21	Tue 6/7/21	0 days	3 days	1036																		
1038	Top Slab - 8 bays. Prod. Rate: 18d/team/bay, 4 teams	38 days	0 days	38 days	0%	Wed 7/7/21	Thu 19/8/21	NA	NA	Wed 7/7/21	Thu 19/8/21	0 days	2 day	1037																		
1039	Falsework Removal	37 days	0 days	37 days	0%	Fri 20/8/21	Mon 4/10/21	NA	NA	Fri 20/8/21	Mon 4/10/21	0 days	2 day	1038																		
1040	Sheetpile Extraction and Backfill	13 days	0 days	13 days	0%	Fri 20/8/21	Fri 3/9/21	NA	NA	Fri 17/9/21	Mon 4/10/21	24 days	1 day	1038																		
1041	Underground Plant Room next to Underpass	45 days	0 days	45 days	0%	Wed 6/1/21	Tue 2/3/21	NA	NA	Wed 6/1/21	Tue 2/3/21	0 days																				
1042	Underground pump house structure	45 days	0 days	45 days	0%	Wed 6/1/21	Tue 2/3/21	NA	NA	Wed 6/1/21	Tue 2/3/21	0 days	3 day	714,1035,262,28																		
1043	Underpass & South Depressed Road CH1850-1950 - (100m long) 8 bays x 13.5m long	120 days	65.36 days	54.64 days	0%	Wed 26/2/20	Thu 23/7/20	Wed 26/2/20	NA	Wed 26/2/20	Sat 8/8/20	14 days																				
1044	Drive sheet pile (12,530m embedded length sheetpile) Prod. Rate 380m/team/day	32 days	32 days	0 days	100%	Wed 26/2/20	Mon 6/4/20	Wed 26/2/20	Mon 6/4/20	Wed 26/2/20	Mon 6/4/20	0 days	5 days																			
1045	Pumping Test	80 days	29 days	51 days	36%	Fri 17/4/20	Thu 23/7/20	Fri 17/4/20	NA	Fri 17/4/20	Sat 8/8/20	14 days	2 days	1044																		
1046	Underpass & South Depress Road (CH1850 to CH1950)	539 days	27.64 days	511.36 days	0%	Thu 23/4/20	Wed 13/10/21	Thu 23/4/20	NA	Thu 23/4/20	Tue 1/3/22	139 days																				
1047	Excavation with Shoring Installation (Upper Portion) - Prod. Rate: 270m3/d/team. 1 team 16,000m3)	80 days	24 days	56 days	23%	Thu 23/4/20	Thu 30/7/20	Thu 23/4/20	NA	Thu 23/4/20	Fri 4/9/20	31 days	5 days	1045SS+6 days																		
1048	Excavation with Shoring Installation (Lower Portion) - Prod. Rate: 270m3/d/team. 1 team 16,000m3)	65 days	0 days	65 days	0%	Fri 31/7/20	Fri 16/10/20	NA	NA	Sat 5/9/20	Mon 23/11/20	31 days	5 day	1047,1045FP+12 days																		
1049	Rock fill - Prod. Rate: 160m3/d/team (1,745m3)	7 days	0 days	7 days	0%	Sat 17/10/20	Sat 24/10/20	NA	NA	Tue 24/11/20	Tue 1/12/20	31 days	1 day	1047,1048																		
1050	Blinding	1 day	0 days	1 day	0%	Tue 27/10/20	Tue 27/10/20	NA	NA	Wed 2/12/20	Wed 2/12/20	31 days	0.5 days	1049																		
Title: Rev.11 Prog with Progress as of 22-May-20															Task																	
															Split																	
															Milestone																	
															Summary																	
															Project Summary																	
															Inactive Task																	
															Manual Task																	
															Manual Summary																	
															Manual Summary Rollup																	

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020		2021				2022				2023				20		
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1051	Underpass Formworks Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 14/9/20	Mon 14/9/20	NA	NA	Tue 3/11/20	Tue 3/11/20	50 days	1 day																		
1052	Underpass Formworks Design and Method Statement Comment & Appraoval	30 days	0 days	30 days	0%	Mon 14/9/20	Tue 13/10/20	NA	NA	Tue 3/11/20	Wed 2/12/20	50 days	1 day	1051																	
1053	Casting base slab (12d/bay/team x 3) (6 bays)	26 days	0 days	26 days	0%	Wed 28/10/20	Thu 26/11/20	NA	NA	Thu 3/12/20	Tue 5/1/21	31 days	2 day	1050,1052,262																	
1054	Waterproofing & Bacfilling before S3 Shoring Removal	12 days	0 days	12 days	0%	Fri 27/11/20	Thu 10/12/20	NA	NA	Wed 6/1/21	Tue 19/1/21	31 days	1 day	1053																	
1055	S3 Shoring ELS Removal + North/South End Re-propping	7 days	0 days	7 days	0%	Fri 11/12/20	Fri 18/12/20	NA	NA	Wed 20/1/21	Wed 27/1/21	31 days	1 day	1054																	
1056	Wall Construction up to soffit of S2 Shoring (12d/bay/team x 3) (6 bays)	24 days	0 days	24 days	0%	Sat 19/12/20	Tue 19/1/21	NA	NA	Thu 28/1/21	Sat 27/2/21	31 days	2 day	1055																	
1057	Waterproofing & Bacfilling before S2 Shoring Removal	12 days	0 days	12 days	0%	Wed 20/1/21	Tue 2/2/21	NA	NA	Mon 1/3/21	Sat 13/3/21	31 days	1 day	1056																	
1058	S2 Shoring ELS Removal + North/South End Re-propping	7 days	0 days	7 days	0%	Wed 3/2/21	Wed 10/2/21	NA	NA	Mon 15/3/21	Mon 22/3/21	31 days	1 day	1057																	
1059	Wall Construction up to soffit of S1 Shoring (12d/bay/team x 3) (6 bays)	24 days	0 days	24 days	0%	Thu 11/2/21	Sat 13/3/21	NA	NA	Tue 23/3/21	Thu 22/4/21	31 days	2 day	1058																	
1060	Waterproofing & Bacfilling before S1 Shoring Removal	12 days	0 days	12 days	0%	Mon 15/3/21	Sat 27/3/21	NA	NA	Fri 23/4/21	Fri 7/5/21	31 days	1 day	1059																	
1061	S1 Shoring ELS Removal + North/South End Re-propping	7 days	0 days	7 days	0%	Mon 29/3/21	Thu 8/4/21	NA	NA	Sat 8/5/21	Sat 15/5/21	31 days	1 day	1060																	
1062	Scaffold erection for roof slab	24 days	0 days	24 days	0%	Fri 9/4/21	Fri 7/5/21	NA	NA	Mon 17/5/21	Tue 15/6/21	31 days	2 day	1061																	
1063	Roof slab construction (18d/bay/team x 3) (6 bays)	42 days	0 days	42 days	0%	Sat 8/5/21	Mon 28/6/21	NA	NA	Wed 16/6/21	Wed 4/8/21	31 days	4 days	1062																	
1064	Waterproofing & Backfilling upto tunnel top	28 days	0 days	28 days	0%	Tue 29/6/21	Sat 31/7/21	NA	NA	Thu 5/8/21	Mon 6/9/21	31 days	2 day	1063																	
1065	Scaffold removal after 28 days from casting	22 days	0 days	22 days	0%	Mon 26/7/21	Thu 19/8/21	NA	NA	Thu 13/1/22	Thu 10/2/22	141 days	1 day	1063FS+22 days																	
1066	Sheetpile extraction (Ch1851-CH1950)	22 days	0 days	22 days	0%	Mon 2/8/21	Thu 26/8/21	NA	NA	Tue 7/9/21	Mon 4/10/21	31 days	1 day	1064																	
1067	Emergency walkway & median barrier installation	9 days	0 days	9 days	0%	Fri 24/9/21	Tue 5/10/21	NA	NA	Fri 11/2/22	Mon 21/2/22	112 days	1 day	323,1066,1040,1																	

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2
1096	HGC	15 days	0 days	15 days	0%	Fri 21/1/22	Fri 4/2/22	NA	NA	Tue 1/2/22	Tue 15/2/22	11 days	1 day	1095SS+7 days,																	
1097	CATV	13 days	0 days	13 days	0%	Fri 28/1/22	Wed 9/2/22	NA	NA	Tue 8/2/22	Sun 20/2/22	11 days	1 day	1096SS+7 days																	
1098	Towngas telecom	15 days	0 days	15 days	0%	Fri 4/2/22	Fri 18/2/22	NA	NA	Tue 15/2/22	Tue 1/3/22	11 days	1 day	1097SS+7 days																	
1099	North & South Depress Raod and Underpass: Finishing and E&M Works	120 days	0 days	120 days	0%	Tue 5/10/21	Tue 1/3/22	NA	NA	Tue 5/10/21	Tue 1/3/22	0 days																			
1100	Finishing & Fitting Out Work, and E&M Works Installation	120 days	0 days	120 days	0%	Tue 5/10/21	Tue 1/3/22	NA	NA	Tue 5/10/21	Tue 1/3/22	0 days	8 days	306,271,323,108																	
1101	Pump Room Next to Underpass: Finishing and E&M Works	158 days	0 days	158 days	0%	Sat 17/4/21	Tue 26/10/21	NA	NA	Thu 19/8/21	Tue 1/3/22	102 days																			
1102	Finishing Works and E&M installation	73 days	0 days	73 days	0%	Sat 17/4/21	Thu 15/7/21	NA	NA	Thu 19/8/21	Mon 15/11/21	102 days	3 days	1042FS+36 days																	
1103	Pump Installation	60 days	0 days	60 days	0%	Fri 16/7/21	Fri 24/9/21	NA	NA	Tue 16/11/21	Thu 27/1/22	102 days	2 days	1102																	
1104	Testing and Commissioning	25 days	0 days	25 days	0%	Sat 25/9/21	Tue 26/10/21	NA	NA	Fri 28/1/22	Tue 1/3/22	102 days	1 days	1102,1103																	
1105	Planned Completion for Section 1	0 days	0 days	0 days	0%	Mon 14/3/22	Mon 14/3/22	NA	NA	Tue 1/3/22	Tue 1/3/22	-13 days		1408,1414,1068,																	
1106	Sections 2,4 and 8	824 days	0 days	824 days	0%	Mon 10/8/20	Wed 17/5/23	NA	NA	Mon 17/8/20	Wed 29/5/24	6 days																			
1107	Offsite 14 units of precast box culvert with outfall fabrication	100 days	0 days	100 days	0%	Mon 19/10/20	Fri 19/2/21	NA	NA	Thu 3/12/20	Thu 8/4/21	38 days	30 days	406,414																	
1108	MDN application	45 days	0 days	45 days	0%	Mon 26/10/20	Wed 9/12/20	NA	NA	Sun 21/1/24	Tue 5/3/24	1182 d...	1 days																		
1109	Demolition of Existing Seawall an Construction of Water Channel (Ch 0 to Ch30)	67 days	0 days	67 days	0%	Thu 10/12/20	Thu 4/3/21	NA	NA	Wed 6/3/24	Wed 29/5/24	962 days																			
1110	Installation of Silt Curtain with Concrete Sinkers	6 days	0 days	6 days	0%	Thu 10/12/20	Wed 16/12/20	NA	NA	Thu 23/5/24	Wed 29/5/24	1023 d...	1 day	1108																	
1111	Demolition of Existing Seawall	37 days	0 days	37 days	0%	Thu 10/12/20	Mon 25/1/21	NA	NA	Wed 6/3/24	Mon 22/4/24	962 days	1 day	1108																	
1112	Grade 200 rock filing and placing levelling stone	30 days	0 days	30 days	0%	Tue 26/1/21	Thu 4/3/21	NA	NA	Tue 23/4/24	Wed 29/5/24	962 days	1 day	1111																	
1113	CH86 to CH70 ELS Works	136 days	0 days	136 days	0%	Mon 10/8/20	Thu 21/1/21	NA	NA	Mon 17/8/20	Sat 27/2/21	6 days																			
1114	Temporary Works Design Preparation	25 days	0 days	25 days	0%	Mon 10/8/20	Mon 7/9/20	NA	NA	Mon 17/8/20	Mon 14/9/20	6 days	1 days																		
1115	Comment by PM	25 days	0 days	25 days	0%	Tue 8/9/20	Thu 8/10/20	NA	NA	Tue 15/9/20	Thu 15/10/20	6 days	1 days	1114																	
1116	Sheetpiling Installation with Grouting & Pumping Test (56m long on plan)	50 days	0 days	50 days	0%	Fri 16/10/20	Mon 14/12/20	NA	NA	Fri 16/10/20	Mon 14/12/20	0 days	1 day	1420,1423,1115																	
1117	Excavation with Shoring Installation (1350 cu.m., 150 cu.m./d)	12 days	0 days	12 days	0%	Tue 15/12/20	Wed 30/12/20	NA	NA	Tue 22/12/20	Thu 7/1/21	6 days	3 day	1116																	
1118	Preparation of formation and laying of blinding layer	18 days	0 days	18 days	0%	Thu 31/12/20	Thu 21/1/21	NA	NA	Thu 4/2/21	Sat 27/2/21	29 days	0.5 day	1117																	
1119	CH70 to CH30 ELS Works	43 days	0 days	43 days	0%	Mon 16/11/20	Thu 7/1/21	NA	NA	Mon 16/11/20	Thu 7/1/21	0 days																			
1120	Sheetpiling Installation (80m on plan)	14 days	0 days	14 days	0%	Mon 16/11/20	Tue 1/12/20	NA	NA	Mon 16/11/20	Tue 1/12/20	0 days	0.5 day	1116SS+25 days																	
1121	Excavation with Shoring Installation (4500 cu.m., 160 cu.m./d x 1 team) and Preparation of Formation and Laying of Blinding Layer	29 days	0 days	29 days	0%	Wed 2/12/20	Thu 7/1/21	NA	NA	Wed 2/12/20	Thu 7/1/21	0 days	1 day	1120																	
1122	DCS Seawater Intake (Insitu Section Bay 15)	41 days	0 days	41 days	0%	Fri 8/1/21	Sat 27/2/21	NA	NA	Fri 8/1/21	Sat 27/2/21	0 days	1 days																		
1123	Construction of Cast in-situ Box Culvert with feeder pipe installation with Connection to Extisting Box Culvert(Bay 15, approx. 12m long)	41 days	0 days	41 days	0%	Fri 8/1/21	Sat 27/2/21	NA	NA	Fri 8/1/21	Sat 27/2/21	0 days	1 day	1117,1121																	
1124	Precast Units Installation	151 days	0 days	151 days	0%	Mon 1/3/21	Tue 31/8/21	NA	NA	Mon 1/3/21	Tue 30/5/23	0 days																			
1125	Preparation for Connecting Precast Units and Cast In-situ Bay 15	6 days	0 days	6 days	0%	Mon 1/3/21	Sat 6/3/21	NA	NA	Mon 1/3/21	Sat 6/3/21	0 days	1 days	1123,1118																	
1126	Installation of 14 precast units with feeder pipe installation (2.5 days per unit)	37 days	0 days	37 days	0%	Mon 8/3/21	Thu 22/4/21	NA	NA	Mon 8/3/21	Thu 22/4/21	0 days	2 days	1125,1107SS+75 days																	
1127	Inspection Shaft Construction and Backfilling Upto +2.0mPD + Feeder Pipe Laying + Backfilling upto Final Formation Level	33 days	0 days	33 days	0%	Fri 23/4/21	Wed 2/6/21	NA	NA	Fri 23/4/21	Wed 2/6/21	0 days	0.5 day	1126																	
1128	Seawall Reinstatement	75 days	0 days	75 days	0%	Thu 3/6/21	Tue 31/8/21	NA	NA	Sat 25/2/23	Tue 30/5/23	518 days	2 days	1127																	
1129	Section 4: Part 2E	225 days	0 days	225 days	0%	Mon 15/8/22	Wed 17/5/23	NA	NA	Sat 10/9/22	Tue 30/5/23	10 days																			
1130	Abandon Existing DCS - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 15/8/22	Mon 15/8/22	NA	NA	Sat 10/9/22	Sat 10/9/22	26 days	1 day																		
1131	Abandon Existing DCS - Temp. Works Design and Method Statement Comment & Appraoval	35 days	0 days	35 days	0%	Mon 15/8/22	Sun 18/9/22	NA	NA	Sat 10/9/22	Fri 14/10/22	26 days	1 day	1130																	
1132	Part 2E - Abandon of existing DCS	185 days	0 days	185 days	0%	Mon 3/10/22	Wed 17/5/23	NA	NA	Sat 15/10/22	Tue 30/5/23	10 days	9 days	20,1131																	
1133	Planned Completion for Section 4	0 days	0 days	0 days	0%	Wed 17/5/23	Wed 17/5/23	NA	NA	Tue 30/5/23	Tue 30/5/23	10 days		1132																	
1134	Section 8: Part 2A - Diversion & abandon of extg DCS box culvert	194 days	0 days	194 days	0%	Thu 1/4/21	Wed 24/11/21	NA	NA	Fri 9/4/21	Thu 2/12/21	4 days																			
1135	Diversion & Abandon of Existing DCS Box Culvert - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Thu 1/4/21	Thu 1/4/21	NA	NA	Fri 9/4/21	Fri 9/4/21	8 days	1 day																		
1136	Diversion & Abandon of Existing DCS Box Box Culvert - Temp. Works Design and Method Statement Comment & Appraoval	21 days	0 days	21 days	0%	Thu 1/4/21	Wed 21/4/21	NA	NA	Fri 9/4/21	Thu 29/4/21	8 days	1 day	1135																	
1137	TTA Implementation	1 day	0 days	1 day	0%	Thu 22/4/21	Thu 22/4/21	NA	NA	Fri 30/4/21	Fri 30/4/21	7 days	0.5 day	1136																	
Title: Rev.11 Prog with Progress as of 22-May-20		<div><div>Task</div><div>Split</div><div>Milestone</div><div>Summary</div><div>Project Summary</div><div>Inactive Task</div><div>Inactive Milestone</div><div>Inactive Summary</div><div>Manual Task</div><div>Duration-only</div><div>Manual Summary Rollup</div><div>Manual Summary</div><div>Start-only</div><div>Finish-only</div><div>External Tasks</div><div>External Milestone</div><div>Deadline</div><div>Critical</div><div>Critical Split</div><div>Progress</div><div>Manual Progress</div></div>																													
Page 26 of 36																															

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2
1138	Sheetpile Installation	25 days	0 days	25 days	0%	Fri 23/4/21	Mon 24/5/21	NA	NA	Mon 3/5/21	Tue 1/6/21	7 days	1 day	1137																	
1139	Excavation with Shoring	52 days	0 days	52 days	0%	Tue 25/5/21	Mon 26/7/21	NA	NA	Wed 2/6/21	Tue 3/8/21	7 days	1 day	1138																	
1140	Diversion of existing DCS box culvert	26 days	0 days	26 days	0%	Tue 27/7/21	Wed 25/8/21	NA	NA	Wed 4/8/21	Thu 2/9/21	7 days	2 days	1137,410,1139																	
1141	Break up existing box culvert (4 walls) + top slab	35 days	0 days	35 days	0%	Thu 26/8/21	Thu 7/10/21	NA	NA	Fri 3/9/21	Sat 16/10/21	7 days	2 days	1140																	
1142	Construct new walls at existing box culvert	20 days	0 days	20 days	0%	Fri 8/10/21	Mon 1/11/21	NA	NA	Mon 18/10/21	Tue 9/11/21	7 days	1 days	1141																	
1143	Abandon existing DCS box culvert	20 days	0 days	20 days	0%	Tue 2/11/21	Wed 24/11/21	NA	NA	Wed 10/11/21	Thu 2/12/21	7 days	1 days	1142																	
1144	Planned Completion for Section 8	0 days	0 days	0 days	0%	Wed 24/11/21	Wed 24/11/21	NA	NA	Thu 2/12/21	Thu 2/12/21	7 days	0 days	1143																	
1145	Section 3	729 days	0 days	729 days	0%	Thu 16/5/19	Tue 26/10/21	NA	NA	Tue 2/6/20	Tue 2/11/21	6 days																			
1146	Part 2C - Lift LT3 & LT4	729 days	0 days	729 days	0%	Thu 16/5/19	Tue 26/10/21	NA	NA	Tue 2/6/20	Tue 2/11/21	6 days																			
1147	Access Date - Part 2A,2C	0 days	0 days	0 days	0%	Tue 2/6/20	Tue 2/6/20	NA	NA	Tue 2/6/20	Tue 2/6/20	0 days	0 days	4FS+369 days																	
1148	Mobilization of plant and materials	15 days	0 days	15 days	0%	Thu 16/5/19	Sat 1/6/19	NA	NA	Sat 4/7/20	Tue 21/7/20	337 days	1 days																		
1149	TTA implementation	4 days	0 days	4 days	0%	Tue 2/6/20	Fri 5/6/20	NA	NA	Fri 17/7/20	Tue 21/7/20	37 days	1 day	1147																	
1150	Carry out Titpit and Identify Underground Utilities location	12 days	0 days	12 days	0%	Mon 15/6/20	Fri 26/6/20	NA	NA	Mon 22/6/20	Fri 3/7/20	7 days																			
1151	Discuss with Relevant Utilities Undertakers	18 days	0 days	18 days	0%	Sat 27/6/20	Tue 14/7/20	NA	NA	Sat 4/7/20	Tue 21/7/20	7 days		1150																	
1152	Slew CLP Cable and Abandon Telecom Cable (tentative)	75 days	0 days	75 days	0%	Wed 15/7/20	Mon 12/10/20	NA	NA	Wed 22/7/20	Mon 19/10/20	6 days	4 days	1148,1149,1151																	
1153	Lift Tower Foundation - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Tue 4/8/20	Tue 4/8/20	NA	NA	Tue 15/9/20	Tue 15/9/20	42 days	1 day																		
1154	Lift Tower Foundation - Temp. Works Design and Method Statement Comment & Appraoval	35 days	0 days	35 days	0%	Tue 4/8/20	Mon 7/9/20	NA	NA	Tue 15/9/20	Mon 19/10/20	42 days	1 day	1153																	
1155	Intall Sheetpile, ELS, Excavation and Temp. Works Installation (Shoring, Drainage & Slope Protection)	38 days	0 days	38 days	0%	Tue 13/10/20	Thu 26/11/20	NA	NA	Tue 20/10/20	Thu 3/12/20	6 days	2 days	1154,1152																	
1156	Foundation Construction (Pad Footing include blinding layer, formwork erection, rebar fixing & concreting)	38 days	0 days	38 days	0%	Fri 27/11/20	Wed 13/1/21	NA	NA	Fri 4/12/20	Wed 20/1/21	6 days	2 days	1148,1152,175,1																	
1157	Sheepile Extraction & Backilling	13 days	0 days	13 days	0%	Thu 14/1/21	Thu 28/1/21	NA	NA	Thu 21/1/21	Thu 4/2/21	6 days	1 day	1156																	
1158	Lift Tower - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 2/11/20	Mon 2/11/20	NA	NA	Fri 1/1/21	Fri 1/1/21	60 days	1 day																		
1159	Lift Tower - Temp. Works Design and Method Statement Comment & Appraoval	35 days	0 days	35 days	0%	Mon 2/11/20	Sun 6/12/20	NA	NA	Fri 1/1/21	Thu 4/2/21	60 days	1 day	1158																	
1160	Lift Shaft Tower: 3 Lifts x 20 day/Lift, Falsework & Formwork Erection, Rebar Fixing & Concreting	63 days	0 days	63 days	0%	Fri 29/1/21	Mon 19/4/21	NA	NA	Fri 5/2/21	Mon 26/4/21	6 days	3 days	1156,1159,1157																	
1161	Lift installation (LT3 & LT4)	90 days	0 days	90 days	0%	Tue 20/4/21	Fri 6/8/21	NA	NA	Tue 27/4/21	Fri 13/8/21	6 days	5 days	1160,713																	
1162	E & M installation	30 days	0 days	30 days	0%	Sat 7/8/21	Fri 10/9/21	NA	NA	Sat 14/8/21	Fri 17/9/21	6 days	3 days	1161																	
1163	Louvers and Glazing Installation	26 days	0 days	26 days	0%	Fri 21/5/21	Mon 21/6/21	NA	NA	Sat 14/8/21	Mon 13/9/21	71 days	2 days	1160FS+25 days																	
1164	Parapet Installation and Finishing Works	40 days	0 days	40 days	0%	Tue 22/6/21	Sat 7/8/21	NA	NA	Tue 14/9/21	Tue 2/11/21	71 days	4 days	1163																	
1165	CLP Meter Installation	0 days	0 days	0 days	0%	Mon 1/2/21	Mon 1/2/21	NA	NA	Fri 20/8/21	Fri 20/8/21	200 days	0.5 day																		
1166	EMSD Submission Form 5 for Lift Inspection	0 days	0 days	0 days	0%	Mon 1/3/21	Mon 1/3/21	NA	NA	Fri 20/8/21	Fri 20/8/21	172 days	0.5 day	1165																	
1167	EMSD Lift Inspection	0 days	0 days	0 days	0%	Sun 14/3/21	Sun 14/3/21	NA	NA	Fri 3/9/21	Fri 3/9/21	172 days	0.5 day	1166FS+14 days																	
1168	Issuance of Lift Use Permit	0 days	0 days	0 days	0%	Mon 29/3/21	Mon 29/3/21	NA	NA	Sat 18/9/21	Sat 18/9/21	172 days	0.5 day	1167FS+15 days																	
1169	Testing & commissioning with Statutory Inspection	36 days	0 days	36 days	0%	Sat 11/9/21	Tue 26/10/21	NA	NA	Sat 18/9/21	Tue 2/11/21	6 days	1 days	1162,1168																	
1170	Footpath	28 days	0 days	28 days	0%	Tue 20/4/21	Mon 24/5/21	NA	NA	Tue 8/6/21	Mon 12/7/21	40 days	1 days	1160																	
1171	Open Space within Part 2C	94 days	0 days	94 days	0%	Tue 25/5/21	Mon 13/9/21	NA	NA	Tue 13/7/21	Tue 2/11/21	40 days	4 days	1170,1230																	
1172	Planned Completion for Section 3	0 days	0 days	0 days	0%	Tue 26/10/21	Tue 26/10/21	NA	NA	Tue 2/11/21	Tue 2/11/21	6 days	0 days	1171,1168,1169,																	
1173	Sections 5 and 9: Noise Barrier Installation	380 days	6.83 days	373.17 days	0%	Fri 20/3/20	Sat 3/7/21	Fri 20/3/20	NA	Fri 20/3/20	Mon 5/7/21	1 day	1 day																		
1174	1.0 Noise Barrier Shop Drawing Preparation, Offsite Fabrication	141 days	20.86 days	120.14 days	0%	Mon 6/4/20	Thu 24/9/20	Mon 6/4/20	NA	Mon 6/4/20	Mon 7/12/20	60 days																			
1175	CNP and TTA available	0 days	0 days	0 days	0%	Wed 24/6/20	Wed 24/6/20	NA	NA	Thu 20/8/20	Thu 20/8/20	47 days	1 day																		
1176	Expose the Extisting Noise Barrier Foundation	70 days	25 days	45 days	36%	Mon 6/4/20	Fri 3/7/20	Mon 6/4/20	NA	Mon 6/4/20	Tue 7/7/20	3 days	1 day																		
1177	Implement TTA	2 days	0 days	2 days	0%	Mon 13/7/20	Tue 14/7/20	NA	NA	Wed 18/11/20	Thu 19/11/20	107 days	0.5 day																		
1178	Expose the Extisting Noise Barrier Foundation under Existing Footpath	15 days	0 days	15 days	0%	Wed 15/7/20	Fri 31/7/20	NA	NA	Fri 20/11/20	Mon 7/12/20	107 days	1 day	1177																	
1179	Carry out the Site Survey for Existing Holding Down Bolt at Existing Landscaped Deck	6 days	0 days	6 days	0%	Wed 24/6/20	Thu 2/7/20	NA	NA	Thu 20/8/20	Wed 26/8/20	47 days	1 day	1175																	
1180	Noise Barrier Shop Drawings Preparation	30 days	0 days	30 days	0%	Fri 31/7/20	Thu 3/9/20	NA	NA	Fri 21/8/20	Thu 24/9/20	18 days	0.5 day	1176FF+18 days																	
1181	Noise Barrier Shop Drawings Comment by PM	18 days	0 days	18 days	0%	Fri 4/9/20	Thu 24/9/20	NA	NA	Fri 25/9/20	Sat 17/10/20	18 days	0.5 day	1180																	
1182	PMAA Panel Material Sample Submission	0 days	0 days	0 days	0%	Sat 2/5/20	Sat 2/5/20	NA	NA	Sat 6/6/20	Sat 6/6/20	30 days	1 days																		
Title: Rev.11 Prog with Progress as of 22-May-20															<div><div>Task</div><div>Split</div><div>Milestone</div></div> <div><div></div><div>.....</div><div>◆</div></div> <div><div>Summary</div><div>Project Summary</div><div>Inactive Task</div></div> <div><div></div><div></div><div></div></div> <div><div>Inactive Milestone</div><div>Inactive Summary</div><div>Manual Task</div></div> <div><div>◆</div><div></div><div></div></div> <div><div>Duration-only</div><div>Manual Summary Rollup</div><div>Manual Summary</div></div> <div><div></div><div></div><div></div></div> <div><div>Start-only</div><div>Finish-only</div><div>External Tasks</div></div> <div><div></div><div></div><div></div></div> <div><div>External Milestone</div><div>Deadline</div><div>Critical</div></div> <div><div>◆</div><div>↓</div><div></div></div> <div><div>Critical Split</div><div>Progress</div><div>Manual Progress</div></div> <div><div></div><div></div><div></div></div>																
Page 27 of 36																															

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020			2021				2022				2023				20	
															Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1183	PMAA Panel Material Comment and Approval by PM	18 days	0 days	18 days	0%	Sat 2/5/20	Fri 22/5/20	NA	NA	Sat 6/6/20	Sat 27/6/20	30 days	1 days	1182																	
1184	PMAA Panel Material Coloring Sample Submission	0 days	0 days	0 days	0%	Thu 4/6/20	Thu 4/6/20	NA	NA	Mon 29/6/20	Mon 29/6/20	20 days	1 days	1183																	
1185	PMAA Panel Material Coloring Sample Comment and Approval by PM	10 days	0 days	10 days	0%	Thu 4/6/20	Mon 15/6/20	NA	NA	Mon 29/6/20	Fri 10/7/20	20 days	1 days	1184																	
1186	Material Testing and Offsite Fabrication	247 days	0 days	247 days	0%	Mon 1/6/20	Tue 2/2/21	NA	NA	Wed 10/6/20	Wed 17/2/21	9 days																			
1187	Holding Down Bolt Procurement	61 days	0 days	61 days	0%	Fri 5/6/20	Tue 4/8/20	NA	NA	Wed 10/6/20	Sun 9/8/20	5 days	1 days																		
1188	Holding Down Bolt Testing	45 days	0 days	45 days	0%	Wed 5/8/20	Fri 18/9/20	NA	NA	Mon 10/8/20	Wed 23/9/20	5 days	1 day	1187																	
1189	Structural Steelwork Procurement	81 days	0 days	81 days	0%	Mon 1/6/20	Thu 20/8/20	NA	NA	Sat 13/6/20	Tue 1/9/20	12 days	1 day																		
1190	Structural Steel Frame Material Testing	46 days	0 days	46 days	0%	Fri 21/8/20	Mon 5/10/20	NA	NA	Wed 2/9/20	Sat 17/10/20	12 days	1 day	1189																	
1191	Structural Steel Frame Fabrication and Delivery	120 days	0 days	120 days	0%	Tue 6/10/20	Tue 2/2/21	NA	NA	Sun 18/10/20	Sun 14/2/21	12 days	1 day	1181,1190																	
1192	Structural Steel Frame Start Delivery to Stie	0 days	0 days	0 days	0%	Wed 25/11/20	Wed 25/11/20	NA	NA	Tue 8/12/20	Tue 8/12/20	12 days	1 day	1191SS+51 days																	
1193	Polymethyl Metharylate (PMMA) and Associated Aluminium Sub-frame Procurement	121 days	0 days	121 days	0%	Tue 16/6/20	Wed 14/10/20	NA	NA	Sat 11/7/20	Sun 8/11/20	25 days	1 day	1185																	
1194	Polymethyl Metharylate (PMMA) panel fabrication and delivery	101 days	0 days	101 days	0%	Thu 15/10/20	Sat 23/1/21	NA	NA	Mon 9/11/20	Wed 17/2/21	25 days	30 days	1193,1181																	
1195	Temp Works Design for Noise Barrier	106 days	0 days	106 days	0%	Sat 13/6/20	Mon 19/10/20	NA	NA	Fri 19/6/20	Sat 24/10/20	5 days																			
1196	ELS Design Preparation for Noise Barrier with ICE	18 days	0 days	18 days	0%	Wed 17/6/20	Thu 9/7/20	NA	NA	Tue 23/6/20	Wed 15/7/20	5 days	1 day																		
1197	ELS Design for Noise Barrier Comment by AECOM	21 days	0 days	21 days	0%	Fri 10/7/20	Thu 30/7/20	NA	NA	Thu 16/7/20	Wed 5/8/20	6 days	1 day	1196																	
1198	Temporary Works Platform Design Preparation	36 days	0 days	36 days	0%	Sat 13/6/20	Mon 27/7/20	NA	NA	Fri 19/6/20	Sat 1/8/20	5 days	1 day																		
1199	Temporary Working Platform Design Submit for AECOM Comment	19 days	0 days	19 days	0%	Tue 28/7/20	Tue 18/8/20	NA	NA	Mon 3/8/20	Mon 24/8/20	5 days	1 day	1198																	
1200	Temporary Working Platform Fabrication	51 days	0 days	51 days	0%	Wed 19/8/20	Mon 19/10/20	NA	NA	Tue 25/8/20	Sat 24/10/20	5 days	1 day	1199																	
1201	2.0 Noise Barrier Footing and Modification Existing Column Stud	184 days	2.71 days	181.29 days	0%	Fri 20/3/20	Sat 19/9/20	Fri 20/3/20	NA	Fri 20/3/20	Wed 23/9/20	4 days																			
1202	Take up the Works Area	1 day	1 day	0 days	0%	Fri 20/3/20	Fri 20/3/20	Fri 20/3/20	Fri 20/3/20	Fri 20/3/20	Fri 20/3/20	0 days																			
1203	Ground Investigation Works	25 days	0 days	25 days	0%	Sat 4/7/20	Sat 1/8/20	NA	NA	Wed 8/7/20	Wed 5/8/20	3 days	1 day	1176																	
1204	Diversion of Existing Utilities and ELS Construction	42 days	0 days	42 days	0%	Mon 3/8/20	Sat 19/9/20	NA	NA	Thu 6/8/20	Wed 23/9/20	3 days	1 day	1197,1203																	
1205	Fooring with Column Stud Construction	61 days	0 days	61 days	0%	Wed 23/9/20	Sat 5/12/20	NA	NA	Thu 24/9/20	Mon 7/12/20	1 day																			
1206	Bay 1 & 3 Fooring with Column Stud and Modification of Existing Column Stud along Bay 1 & 3	10 days	0 days	10 days	0%	Wed 23/9/20	Tue 6/10/20	NA	NA	Thu 24/9/20	Wed 7/10/20	1 day	1 day	1188,1204,184F																	
1207	Bay 2 & 4 Fooring with Column Stud and Modification of Existing Column along Bay 2&4	10 days	0 days	10 days	0%	Wed 7/10/20	Sat 17/10/20	NA	NA	Thu 8/10/20	Mon 19/10/20	1 day	1 day	1206																	
1208	Bay 5 & 7 Fooring with Column Stud, Modification of Existing Stud along Bay 5&7	10 days	0 days	10 days	0%	Mon 19/10/20	Fri 30/10/20	NA	NA	Tue 20/10/20	Sat 31/10/20	1 day	1 day	1207																	
1209	Bay 6 Fooring with Column Stud, Modification of Existing Stud along Bay 6	10 days	0 days	10 days	0%	Sat 31/10/20	Wed 11/11/20	NA	NA	Mon 2/11/20	Thu 12/11/20	1 day	1 day	1208																	
1210	Backfill and extract sheet pile	21 days	0 days	21 days	0%	Thu 12/11/20	Sat 5/12/20	NA	NA	Fri 13/11/20	Mon 7/12/20	1 day	1 day	1209																	
1211	Modification of Remaining Colum Stud	50 days	0 days	50 days	0%	Mon 7/12/20	Fri 5/2/21	NA	NA	Tue 8/12/20	Sat 6/2/21	1 day	1 day																		
1212	Modification of Remaining Column Stud	50 days	0 days	50 days	0%	Mon 7/12/20	Fri 5/2/21	NA	NA	Tue 8/12/20	Sat 6/2/21	1 day	1 day	1210,1178																	
1213	Noise Barrier Installation	258 days	0 days	258 days	0%	Wed 19/8/20	Sat 3/7/21	NA	NA	Sat 26/9/20	Mon 5/7/21	1 day	1 day																		
1214	CNP Application	31 days	0 days	31 days	0%	Wed 19/8/20	Fri 18/9/20	NA	NA	Sat 26/9/20	Mon 26/10/20	38 days	1 day	1199																	
1215	Temporary Platform Delivery to Site	0 days	0 days	0 days	0%	Mon 19/10/20	Mon 19/10/20	NA	NA	Tue 27/10/20	Tue 27/10/20	5 days	0.5 day	1200																	
1216	Temporary Platform On-site Assembly (Night Time)	36 days	0 days	36 days	0%	Tue 20/10/20	Tue 1/12/20	NA	NA	Tue 27/10/20	Mon 7/12/20	5 days	0.5 day	1214,1215																	
1217	Structural Steel Frame Installation	119 days	0 days	119 days	0%	Mon 7/12/20	Wed 5/5/21	NA	NA	Tue 8/12/20	Thu 6/5/21	1 day	1 day	1192,1212SS,12																	
1218	PMMA and Associated Aluminum Sub-frame Installation	117 days	0 days	117 days	0%	Fri 8/1/21	Wed 2/6/21	NA	NA	Sat 9/1/21	Thu 3/6/21	1 day	1 day	1194SS+50 days																	
1219	Lighting Installation	25 days	0 days	25 days	0%	Thu 3/6/21	Sat 3/7/21	NA	NA	Fri 4/6/21	Mon 5/7/21	1 day	1 day	1218FF+25 days																	
1220	Rainwater downpipe	25 days	0 days	25 days	0%	Thu 3/6/21	Sat 3/7/21	NA	NA	Fri 4/6/21	Mon 5/7/21	1 day	1 day	1218FF+25 days																	
1221	Bus Lay-by	25 days	0 days	25 days	0%	Thu 3/6/21	Sat 3/7/21	NA	NA	Fri 4/6/21	Mon 5/7/21	1 day	1 day	1218FF+25 days																	
1222	Planned Completion for Section 5 & Section 9	0 days	0 days	0 days	0%	Sat 3/7/21	Sat 3/7/21	NA	NA	Mon 5/7/21	Mon 5/7/21	1 day	0 days	1218,1219,1220,																	
1223	Section 6	1201 days	8.73 days	1192.27 days?	0%	Thu 16/5/19	Tue 30/5/23	Thu 16/5/19	NA	Thu 16/5/19	Wed 29/5/24	298 da...																			
1224	Fencing (15m/d) & Hoarding Erection (10m/d)	915 days	185.72 days	729.28 days	0%	Tue 15/10/19	Thu 10/11/22	Tue 15/10/19	NA	Tue 15/10/19	Fri 30/12/22	42 days																			
1225	Hoarding - Part 1 (~57m)	51 days	0 days	51 days	0%	Tue 1/12/20	Mon 1/2/21	NA	NA	Wed 21/9/22	Mon 21/11/22	536 days	1 day	121,8																	
1226	Fencing - Part 1 (758m)	6 days	0 days	6 days	0%	Sat 19/9/20	Fri 25/9/20	NA	NA	Mon 1/3/21	Sat 6/3/21	130 days	0 days	121,8																	
1227	Fencing - Part 2A (~458m) - 4 team	12 days	0 days	12 days	0%	Wed 3/2/21	Fri 19/2/21	NA	NA	Sat 5/2/22	Fri 18/2/22	296 days	1 days	9,121,1147,1445																	
Title: Rev.11 Prog with Progress as of 22-May-20															<div><div>Task</div><div>Split</div><div>Milestone</div></div> <div><div></div><div>.....</div><div>◆</div></div> <div><div>Summary</div><div>Project Summary</div><div>Inactive Task</div></div> <div><div></div><div></div><div></div></div> <div><div>Inactive Milestone</div><div>Inactive Summary</div><div>Manual Task</div></div> <div><div></div><div></div><div></div></div> <div><div>Duration-only</div><div>Manual Summary Rollup</div><div>Manual Summary</div></div> <div><div></div><div></div><div></div></div> <div><div>Start-only</div><div>Finish-only</div><div>External Tasks</div></div> <div><div></div><div></div><div></div></div> <div><div>External Milestone</div><div>Deadline</div><div>Critical</div></div> <div><div>◆</div><div>↓</div><div></div></div> <div><div>Critical Split</div><div>Progress</div><div>Manual Progress</div></div> <div><div></div><div></div><div></div></div>																
Page 28 of 36																															



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Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2
1317	Salt Watermain T&C	50 days	0 days	50 days	0%	Sat 26/11/22	Fri 27/1/23	NA	NA	Sat 14/1/23	Thu 16/3/23	41 days	1 day	1312,1315,1316,																	
1318	Irrigation System	535 days	0 days	535 days	0%	Tue 5/1/21	Sat 22/10/22	NA	NA	Wed 16/6/21	Thu 16/3/23	120 days																			
1319	Irrigation System - Method Statement Submission	0 days	0 days	0 days	0%	Sun 20/6/21	Sun 20/6/21	NA	NA	Thu 4/11/21	Thu 4/11/21	137 days	1 day																		
1320	Irrigation System Method Statement Comment & Appraoval	21 days	0 days	21 days	0%	Sun 20/6/21	Sat 10/7/21	NA	NA	Thu 4/11/21	Wed 24/11/21	137 days	1 day	1319																	
1321	Irrigation Pipe and System Procurement	150 days	0 days	150 days	0%	Tue 5/1/21	Thu 3/6/21	NA	NA	Wed 16/6/21	Fri 12/11/21	162 days	1 day																		
1322	CH1000 - CH1087 (~87m) Rd D3	5 days	0 days	5 days	0%	Fri 16/7/21	Wed 21/7/21	NA	NA	Mon 5/9/22	Fri 9/9/22	341 days	0 days	1305,1321																	
1323	CH1087 - CH1189.4 (~205m) - N. Ramp	10 days	0 days	10 days	0%	Mon 7/6/21	Fri 18/6/21	NA	NA	Sat 13/11/21	Wed 24/11/21	132 days	1 day	1321																	
1324	CH1189.4 - CH1394 (~409.2m) - Bridge D3	7 days	0 days	7 days	0%	Sat 2/10/21	Sat 9/10/21	NA	NA	Thu 25/11/21	Thu 2/12/21	45 days	0 days	1307SS,1320,1321																	
1325	CH1394 - CH1444.7 (~101.4m) - S. Ramp	3 days	0 days	3 days	0%	Thu 29/7/21	Sat 31/7/21	NA	NA	Wed 7/9/22	Fri 9/9/22	332 days	0 days	1308																	
1326	CH1444.7 - CH1560 (~175m) - Rd D3	4 days	0 days	4 days	0%	Mon 6/9/21	Thu 9/9/21	NA	NA	Mon 12/9/22	Thu 15/9/22	302 days	0 days	1309,1322,1325																	
1327	CH1920 - CH2000 (~160m) S.D. Rd	5 days	0 days	5 days	0%	Thu 6/1/22	Tue 11/1/22	NA	NA	Fri 16/9/22	Wed 21/9/22	207 days	1 day	1271,1326																	
1328	CH2000 - CH2060 (~60m) - S.D. Rd	2 days	0 days	2 days	0%	Sat 22/1/22	Mon 24/1/22	NA	NA	Thu 22/9/22	Fri 23/9/22	198 days	0 days	1272,1327																	
1329	CH2060 - CH2118.93 (~100m) - Rd D3	3 days	0 days	3 days	0%	Wed 26/1/22	Fri 28/1/22	NA	NA	Sat 24/9/22	Tue 27/9/22	197 days	0 days	1312,1328																	
1330	CH100 - CH147 (~173m) - L12 Road	5 days	0 days	5 days	0%	Wed 17/8/22	Mon 22/8/22	NA	NA	Wed 28/9/22	Wed 5/10/22	35 days	1 day	1313,1329																	
1331	Irrigation System T&C	50 days	0 days	50 days	0%	Tue 23/8/22	Sat 22/10/22	NA	NA	Sat 14/1/23	Thu 16/3/23	120 days	1 day	1330																	
1332	Salt Water and Sewage Pumping Station	637 days	0 days	637 days	0%	Sat 27/3/21	Thu 18/5/23	NA	NA	Wed 28/7/21	Tue 30/5/23	8 days																			
1333	Salt Water Pumping Station - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 2/8/21	Mon 2/8/21	NA	NA	Fri 10/9/21	Fri 10/9/21	39 days	1 day																		
1334	Salt Water Pumping Station - Temp. Works Design and Method Statement Comment & Appraoval	35 days	0 days	35 days	0%	Mon 2/8/21	Sun 5/9/21	NA	NA	Fri 10/9/21	Thu 14/10/21	39 days	1 day	1333																	
1335	Utilities Diversion	65 days	0 days	65 days	0%	Mon 21/6/21	Sat 4/9/21	NA	NA	Wed 28/7/21	Wed 13/10/21	31 days	15 day																		
1336	Substructure	100 days	0 days	100 days	0%	Tue 5/10/21	Sat 5/2/22	NA	NA	Fri 15/10/21	Tue 15/2/22	8 days																			
1337	Sheetpile Installation	25 days	0 days	25 days	0%	Tue 5/10/21	Wed 3/11/21	NA	NA	Fri 15/10/21	Fri 12/11/21	8 days	5 days	148,1334,1335,1337																	
1338	Excavation and Shoring Installation	50 days	0 days	50 days	0%	Thu 4/11/21	Tue 4/1/22	NA	NA	Sat 13/11/21	Thu 13/1/22	8 days	5 days	1337																	
1339	Base Slab Construction include blinding layer	25 days	0 days	25 days	0%	Wed 5/1/22	Sat 5/2/22	NA	NA	Fri 14/1/22	Tue 15/2/22	8 days	3 days	1338,149FS+120																	
1340	Superstructure	460 days	0 days	460 days	0%	Fri 24/9/21	Wed 12/4/23	NA	NA	Wed 16/2/22	Mon 29/5/23	38 days																			
1341	Coordination with CLP to plan for Layout and Details of Transformer Room	0 days	0 days	0 days	0%	Fri 24/9/21	Fri 24/9/21	NA	NA	Sat 4/6/22	Sat 4/6/22	253 days																			
1342	Scaffold, Falsework and Formwork Erection	28 days	0 days	28 days	0%	Mon 7/2/22	Thu 10/3/22	NA	NA	Wed 16/2/22	Sat 19/3/22	8 days	2 days	1339,719,531,54																	
1343	Wall Rebar Fixing & Concreting	24 days	0 days	24 days	0%	Fri 11/3/22	Fri 8/4/22	NA	NA	Mon 21/3/22	Thu 21/4/22	8 days	1 day	1342																	
1344	Top Slab and Beam: Rebar Fixing and Formwork	36 days	0 days	36 days	0%	Sat 9/4/22	Tue 24/5/22	NA	NA	Fri 22/4/22	Thu 2/6/22	8 days	2 days	1343																	
1345	Formwork & Falsework Removal	28 days	0 days	28 days	0%	Wed 25/5/22	Mon 27/6/22	NA	NA	Sat 4/6/22	Thu 7/7/22	8 days	1 day	1344,1341																	
1346	Watertightnes Test	15 days	0 days	15 days	0%	Tue 28/6/22	Fri 15/7/22	NA	NA	Fri 19/8/22	Mon 5/9/22	44 days	1 day	1345																	
1347	Backfilling & Sheetpile Removal	24 days	0 days	24 days	0%	Tue 28/6/22	Tue 26/7/22	NA	NA	Tue 9/8/22	Mon 5/9/22	35 days	2 days	1345																	
1348	Water Chamber Construction	36 days	0 days	36 days	0%	Tue 28/6/22	Tue 9/8/22	NA	NA	Fri 8/7/22	Thu 18/8/22	8 days	1 day	1345																	
1349	Watertightnes Test for Water Chamber	15 days	0 days	15 days	0%	Wed 10/8/22	Fri 26/8/22	NA	NA	Fri 19/8/22	Mon 5/9/22	8 days	1 day	1348																	
1350	Drainage and Roadworks	80 days	0 days	80 days	0%	Wed 27/7/22	Mon 31/10/22	NA	NA	Sat 18/2/23	Mon 29/5/23	170 days	5 days	1347,383																	
1351	Utilities Laying	105 days	0 days	105 days	0%	Wed 27/7/22	Tue 29/11/22	NA	NA	Tue 6/9/22	Tue 10/1/23	35 days	5 days	1347																	
1352	Finishing work and fitting out	75 days	0 days	75 days	0%	Sat 27/8/22	Fri 25/11/22	NA	NA	Tue 6/9/22	Mon 5/12/22	8 days	1 day	714,1345,555,13																	
1353	Tx Installation with T&C	60 days	0 days	60 days	0%	Tue 15/11/22	Fri 27/1/23	NA	NA	Thu 24/11/22	Mon 6/2/23	8 days	1 day	1346,1352FF+50																	
1354	PCCW Installation	15 days	0 days	15 days	0%	Wed 30/11/22	Fri 16/12/22	NA	NA	Fri 24/2/23	Mon 13/3/23	70 days	1 day	1351,1346																	
1355	Ironmongery work	24 days	0 days	24 days	0%	Sat 26/11/22	Fri 23/12/22	NA	NA	Tue 14/2/23	Mon 13/3/23	64 days	0.5 days	1352																	
1356	E&M installation	100 days	0 days	100 days	0%	Thu 3/11/22	Fri 3/3/23	NA	NA	Sat 12/11/22	Mon 13/3/23	8 days	5 days	1345,1353FF+30																	
1357	Testing and Commissioning	30 days	0 days	30 days	0%	Sat 4/3/23	Wed 12/4/23	NA	NA	Tue 14/3/23	Fri 21/4/23	8 days	2 days	1356,1355,1351,																	
1358	WSD Form 46 Part I & II Submission	0 days	0 days	0 days	0%	Sat 27/3/21	Sat 27/3/21	NA	NA	Sat 22/4/23	Sat 22/4/23	615 days	0.5 days																		
1359	WSD Form 46 Part 46 Part IV Submission	0 days	0 days	0 days	0%	Tue 15/3/22	Tue 15/3/22	NA	NA	Sat 22/4/23	Sat 22/4/23	329 days	0.5 days	1358																	
1360	CLP Meter Installation	0 days	0 days	0 days	0%	Sun 19/6/22	Sun 19/6/22	NA	NA	Sat 22/4/23	Sat 22/4/23	251 days	0.5 days																		
1361	FSD Form 501 Submission for FS Inspection	0 days	0 days	0 days	0%	Wed 12/4/23	Wed 12/4/23	NA	NA	Sat 22/4/23	Sat 22/4/23	8 days	0.5 days	1359,1360,1357																	

Title: Rev.11 Prog with Progress
as of 22-May-20

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

External Tasks

External Milestone

Deadline

Critical

Critical Split

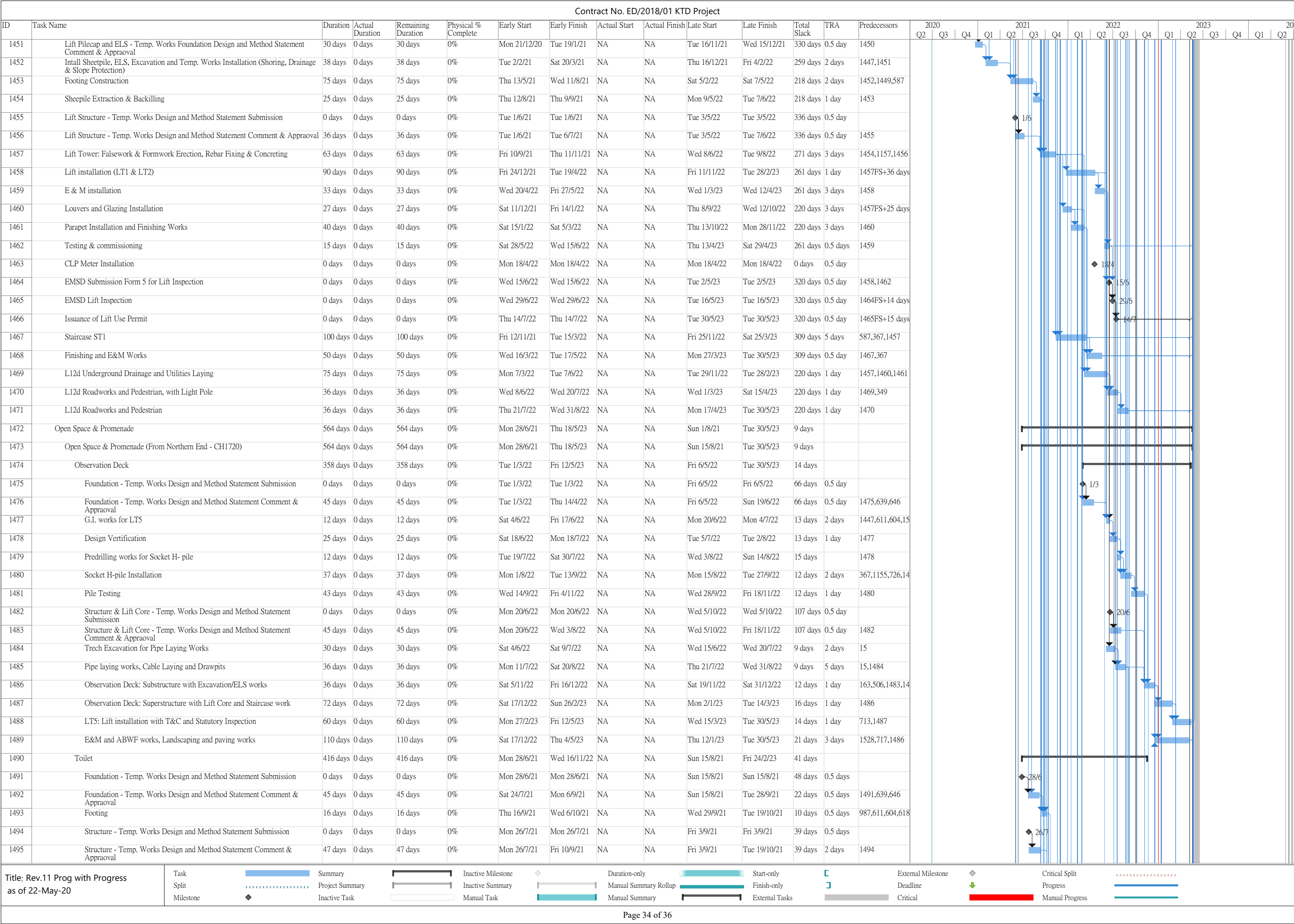
Progress

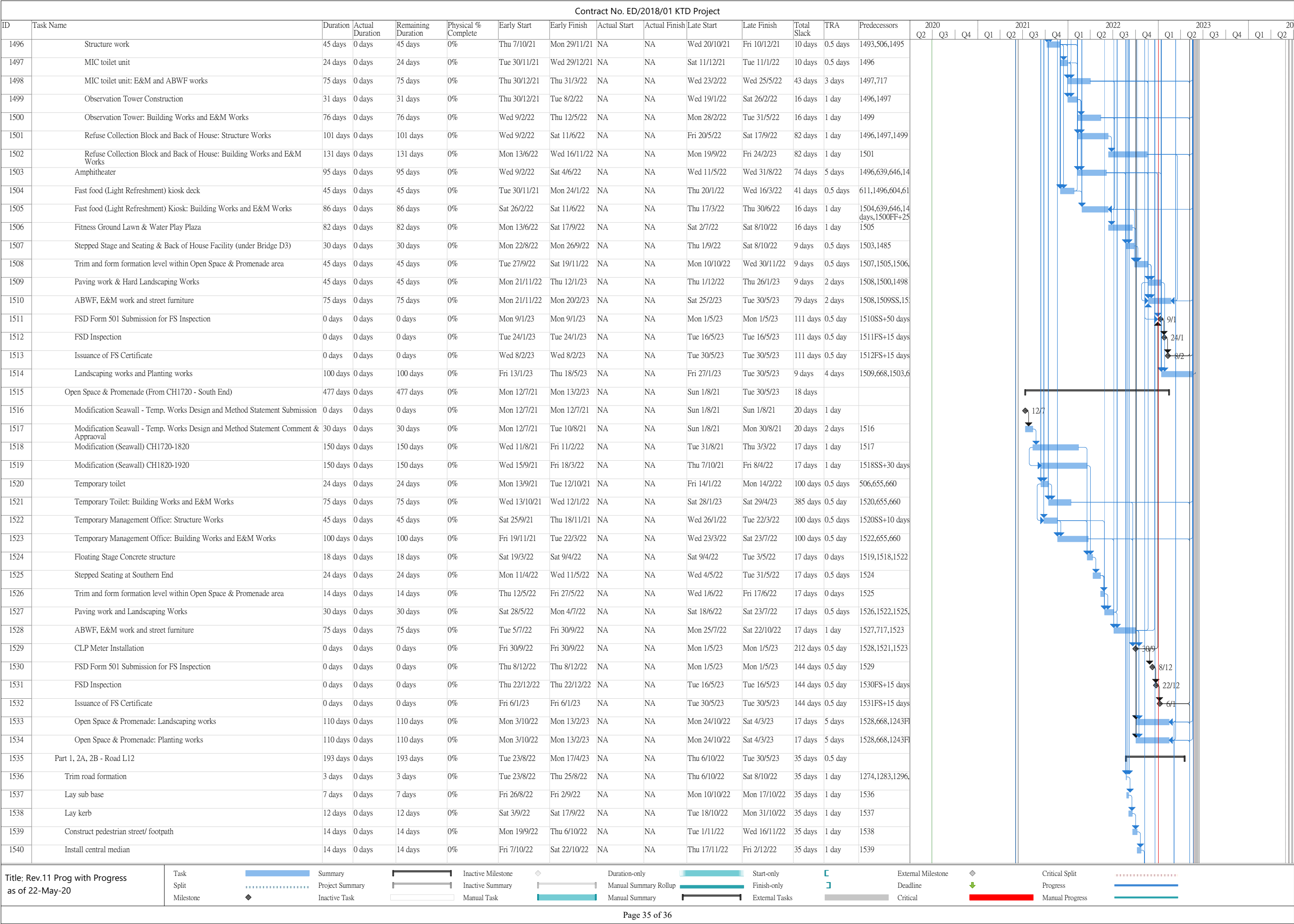
Manual Progress

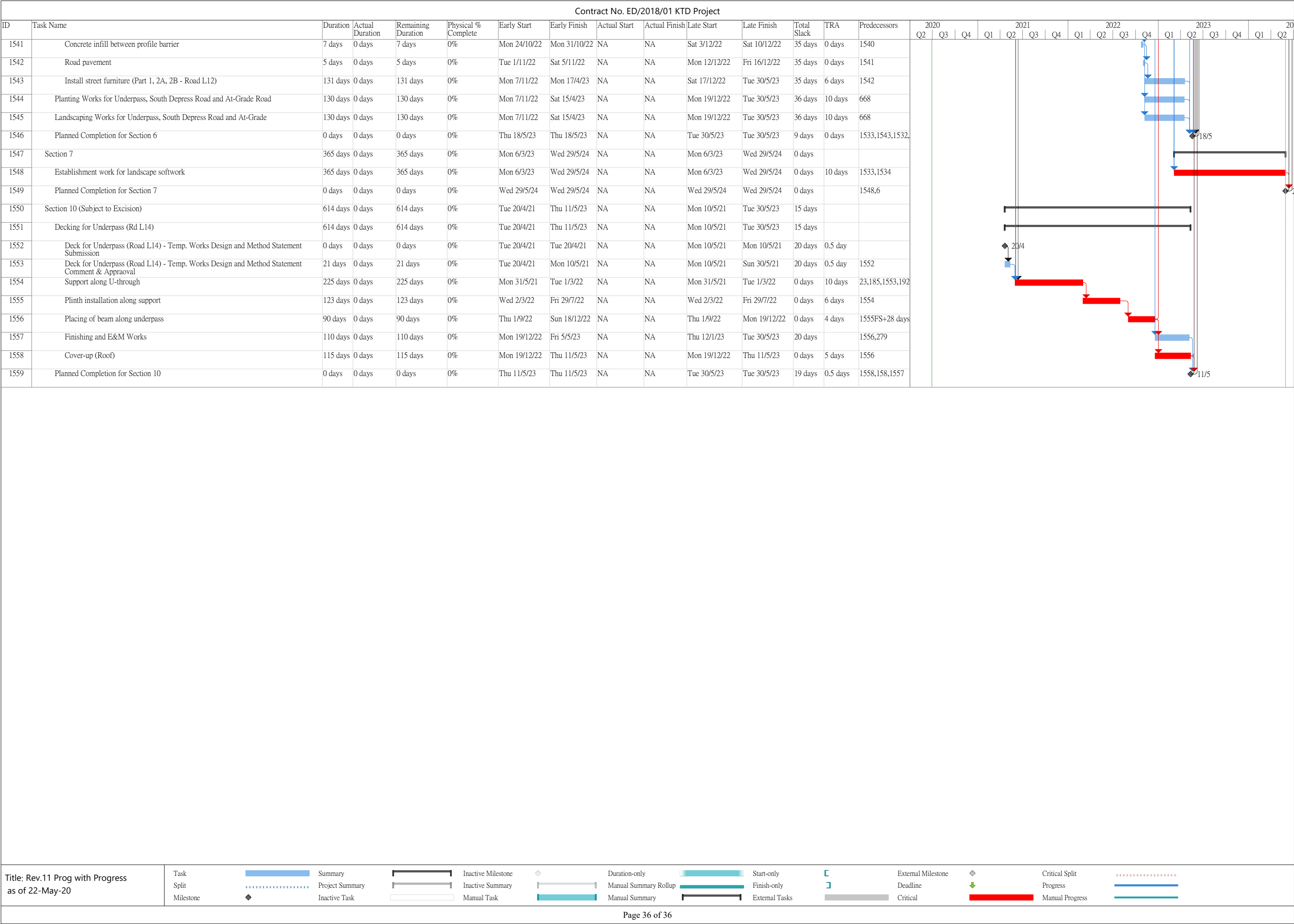
Page 31 of 36

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2
1362	FSD Inspection	0 days	0 days	0 days	0%	Sat 29/4/23	Sat 29/4/23	NA	NA	Thu 11/5/23	Thu 11/5/23	8 days	0.5 days	1361FS+15 days																	
1363	Issuance of FS Certificate	0 days	0 days	0 days	0%	Thu 18/5/23	Thu 18/5/23	NA	NA	Tue 30/5/23	Tue 30/5/23	8 days	0.5 days	1362FS+15 days																	
1364	Salt Water and Sewage Pumping Station: Landscaping hardworks and softworks	110 days	0 days	110 days	0%	Wed 30/11/22	Sat 15/4/23	NA	NA	Wed 11/1/23	Mon 29/5/23	35 days	2 days	562,1351,548																	
1365	Salt Water and Sewage Pumping Station: Planting Works	110 days	0 days	110 days	0%	Wed 30/11/22	Sat 15/4/23	NA	NA	Wed 11/1/23	Mon 29/5/23	35 days	2 days	562,1351,548																	
1366	Section 6 Completion	0 days	0 days	0 days	0%	Tue 30/5/23	Tue 30/5/23	NA	NA	Tue 30/5/23	Tue 30/5/23	0 days		1350,1363,1364																	
1367	Seawater Intake Box Culvert (~169m)	647 days	0 days	647 days	0%	Fri 5/3/21	Mon 8/5/23	NA	NA	Fri 5/3/21	Tue 30/5/23	0 days																			
1368	Access Date - Part 4	0 days	0 days	0 days	0%	Fri 5/3/21	Fri 5/3/21	NA	NA	Fri 5/3/21	Fri 5/3/21	0 days	0 days	4FS+645 days																	
1369	Part 4 - CHA.0-79 (79m)	290 days	0 days	290 days	0%	Thu 19/5/22	Mon 8/5/23	NA	NA	Fri 10/6/22	Tue 30/5/23	18 days																			
1370	CHA 0-24 Precast Section	34 days	0 days	34 days	0%	Thu 19/5/22	Tue 28/6/22	NA	NA	Fri 10/6/22	Wed 20/7/22	18 days																			
1371	Temporary ELS & Excavation and Shoring Installation	24 days	0 days	24 days	0%	Thu 19/5/22	Thu 16/6/22	NA	NA	Fri 10/6/22	Fri 8/7/22	18 days	1 days	1384,1386,1238																	
1372	Install 3 nos. 8 m long precast units (2.5 days per unit)	10 days	0 days	10 days	0%	Fri 17/6/22	Tue 28/6/22	NA	NA	Sat 9/7/22	Wed 20/7/22	18 days	2.5 days	1371																	
1373	CHA 24-79 (75m) (5 units)	256 days	0 days	256 days	0%	Wed 29/6/22	Mon 8/5/23	NA	NA	Thu 21/7/22	Tue 30/5/23	18 days																			
1374	Temporary ELS & Excavation	50 days	0 days	50 days	0%	Wed 29/6/22	Fri 26/8/22	NA	NA	Thu 21/7/22	Sat 17/9/22	18 days	1 day	1372																	
1375	Unit 1 & 3 (41 days per unit)	44 days	0 days	44 days	0%	Sat 27/8/22	Thu 20/10/22	NA	NA	Mon 19/9/22	Thu 10/11/22	18 days	3 days	1374																	
1376	Unit 2 & 4 (41 days per unit)	44 days	0 days	44 days	0%	Fri 21/10/22	Sat 10/12/22	NA	NA	Fri 11/11/22	Mon 2/1/23	18 days	3 days	1375																	
1377	Unit 5 & 6 (41 days per unit)	44 days	0 days	44 days	0%	Mon 12/12/22	Sat 4/2/23	NA	NA	Tue 3/1/23	Sat 25/2/23	18 days	3 days	1376																	
1378	Remove struts and backfilling	24 days	0 days	24 days	0%	Mon 6/2/23	Sat 4/3/23	NA	NA	Mon 27/2/23	Sat 25/3/23	18 days	1 days	1376,1377																	
1379	Reinstate seawall	50 days	0 days	50 days	0%	Mon 6/3/23	Mon 8/5/23	NA	NA																						

Contract No. ED/2018/01 KTD Project																															
ID	Task Name	Duration	Actual Duration	Remaining Duration	Physical % Complete	Early Start	Early Finish	Actual Start	Actual Finish	Late Start	Late Finish	Total Slack	TRA	Predecessors	2020 Q2	2020 Q3	2020 Q4	2021 Q1	2021 Q2	2021 Q3	2021 Q4	2022 Q1	2022 Q2	2022 Q3	2022 Q4	2023 Q1	2023 Q2	2023 Q3	2023 Q4	2024 Q1	2024 Q2
1407	Secondary Upstand Beam	26 days	0 days	26 days	0%	Mon 13/12/21	Fri 14/1/22	NA	NA	Thu 16/12/21	Tue 18/1/22	3 days	1.5 day	1406																	
1408	Dismantle falsework	6 days	0 days	6 days	0%	Fri 4/2/22	Thu 10/2/22	NA	NA	Tue 8/2/22	Mon 14/2/22	3 days	0.5 day	1406FS+14 days																	
1409	Part 2A - CH2020-2050 (30m) 3 bays	74 days	0 days	74 days	0%	Sat 4/12/21	Mon 7/3/22	NA	NA	Mon 22/11/21	Tue 22/2/22	-11 days																			
1410	Pier (3sets x 3nos) within CH2007-2090. 1 team	12 days	0 days	12 days	0%	Sat 4/12/21	Fri 17/12/21	NA	NA	Mon 22/11/21	Sat 4/12/21	-11 days	3 day	579,1087																	
1411	Falsework erection	12 days	0 days	12 days	0%	Sat 18/12/21	Tue 4/1/22	NA	NA	Mon 6/12/21	Sat 18/12/21	-11 days	3 days	1410																	
1412	Deck (3 bays) 12d/bay	25 days	0 days	25 days	0%	Wed 5/1/22	Sat 5/2/22	NA	NA	Mon 20/12/21	Thu 20/1/22	-11 days	3 day	1411,1406,625,6																	
1413	Secondary Upstand Beam	12 days	0 days	12 days	0%	Mon 7/2/22	Sat 19/2/22	NA	NA	Fri 21/1/22	Mon 7/2/22	-11 days	1.5 day	1412,1406,1407																	
1414	Dismantle falsework	6 days	0 days	6 days	0%	Tue 1/3/22	Mon 7/3/22	NA	NA	Wed 16/2/22	Tue 22/2/22	-11 days	0.5 day	1412,1413FS+7																	
1415	Elevated Landscaped Deck CH2090 - Ch2109	989 days	0 days	989 days	0%	Wed 10/6/20	Thu 23/2/23	NA	NA	Wed 10/6/20	Thu 23/3/23	0 days																			
1416	G.I. Works/Predrilling Works for Bored Pile No. LD-BP03	12 days	0 days	12 days	0%	Wed 10/6/20	Tue 23/6/20	NA	NA	Wed 10/6/20	Tue 23/6/20	0 days	1 day																		
1417	Design Verification for Bored Pile No. LD-BP02	30 days	0 days	30 days	0%	Wed 24/6/20	Thu 30/7/20	NA	NA	Wed 24/6/20	Thu 30/7/20	0 days	1 day	1416																	
1418	CH2090: Bored Pile No. LD-BP02	34 days	0 days	34 days	0%	Fri 31/7/20	Tue 8/9/20	NA	NA	Fri 31/7/20	Tue 8/9/20	0 days	1 day	1416,1417																	
1419	Tripit	12 days	0 days	12 days	0%	Wed 24/6/20	Thu 9/7/20	NA	NA	Wed 24/6/20	Thu 9/7/20	0 days	1 day																		
1420	Diversion of existing watermain and CLP cable (Tentative)	52 days	0 days	52 days	0%	Fri 10/7/20	Tue 8/9/20	NA	NA	Fri 10/7/20	Tue 8/9/20	0 days	15 day	1419																	
1421	G.I. Works/Predrilling Works for Bored Pile No. LD-BP03	12 days	0 days	12 days	0%	Thu 2/7/20	Wed 15/7/20	NA	NA	Wed 15/7/20	Tue 28/7/20	11 days	1 day																		
1422	Design Verification for Bored Pile No. LD-BP03	36 days	0 days	36 days	0%	Thu 16/7/20	Wed 26/8/20	NA	NA	Wed 29/7/20	Tue 8/9/20	11 days	1 day	1421																	
1423	CH2069: Bored Pile No. LD-BP03	30 days	0 days	30 days	0%	Wed 9/9/20	Thu 15/10/20	NA	NA	Wed 9/9/20	Thu 15/10/20	0 days	1 day	1418,314FF,142																	
1424	Design Verification for Bored Pile No. LD-BP01	36 days	0 days	36 days	0%	Mon 24/8/20	Tue 6/10/20	NA	NA	Sat 12/9/20	Tue 27/10/20	17 days	1 day																		
1425	CH2109: Bored Pile No. LD-BP01	30 days	0 days	30 days	0%	Fri 16/10/20	Fri 20/11/20	NA	NA	Wed 28/10/20	Tue 1/12/20	9 days	1 day	1423,314,1420,1																	
1426	Pile testing	43 days	0 days	43 days	0%	Sat 21/11/20	Wed 13/1/21	NA	NA	Wed 2/12/20	Sat 23/1/21	9 days	1 day	1423,1425																	
1427	Elevated Landscape Deck - Pilecap with ELS Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 2/11/20	Mon 2/11/20	NA	NA	Fri 11/12/20	Fri 11/12/20	39 days	1.5 day																		
1428	Elevated Landscape Deck - Pilecap with ELS Temp. Works Design and Method Statement Comment & Appraoval	45 days	0 days	45 days	0%	Mon 2/11/20	Wed 16/12/20	NA	NA	Fri 11/12/20	Sun 24/1/21	39 days	1.5 day	1427																	
1429	CH2090: Pilecap with ELS	37 days	0 days	37 days	0%	Thu 14/1/21	Mon 1/3/21	NA	NA	Mon 25/1/21	Thu 11/3/21	9 days	1 day	1425,1426,1428																	
1430	CH2069: Pilecap with ELS	37 days	0 days	37 days	0%	Tue 2/3/21	Fri 16/4/21	NA	NA	Fri 12/3/21	Tue 27/4/21	9 days	1 day	1429																	
1431	CH2109: Pilecap with ELS	37 days	0 days	37 days	0%	Tue 2/3/21	Fri 16/4/21	NA	NA	Fri 12/3/21	Tue 27/4/21	9 days	1 day	1430SS																	
1432	Elevated Landscape Deck - Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 4/1/21	Mon 4/1/21	NA	NA	Sun 14/3/21	Sun 14/3/21	69 days	0.5 day																		
1433	Elevated Landscape Deck - Temp. Works Design and Method Statement Comment & Appraoval	45 days	0 days	45 days	0%	Mon 4/1/21	Wed 17/2/21	NA	NA	Sun 14/3/21	Tue 27/4/21	69 days	0.5 day	1432																	
1434	Pier (3sets x 3nos) within CH2060-2119. 1 team, 1 no./day	48 days	0 days	48 days	0%	Sat 17/4/21	Tue 15/6/21	NA	NA	Wed 28/4/21	Fri 25/6/21	9 days	3 day	1433,579,1425,1																	
1435	Falsework erection	7 days	0 days	7 days	0%	Wed 16/6/21	Wed 23/6/21	NA	NA	Sat 26/6/21	Mon 5/7/21	9 days	0 days	1434																	
1436	Deck (3 bays) 12d/bay	39 days	0 days	39 days	0%	Thu 24/6/21	Mon 9/8/21	NA	NA	Tue 6/7/21	Thu 19/8/21	9 days	3 day	1435,715,625,62																	
1437	Secondary Upstand Beam	39 days	0 days	39 days	0%	Tue 10/8/21	Fri 24/9/21	NA	NA	Fri 20/8/21	Wed 6/10/21	9 days	1.5 day	1436																	
1438	Dismantle falsework	9 days	0 days	9 days	0%	Wed 13/10/21	Sat 23/10/21	NA	NA	Mon 25/10/21	Wed 3/11/21	9 days	1 day	1436FS+14 days																	
1439	Install External Cladding	105 days	0 days	105 days	0%	Tue 8/3/22	Thu 14/7/22	NA	NA	Wed 6/4/22	Thu 11/8/22	24 days	5 days	1438,1408,1414																	
1440	Elevated Landscaped Deck: Hard Landscaping Works	110 days	0 days	110 days	0%	Fri 14/10/22	Thu 23/2/23	NA	NA	Fri 11/11/22	Thu 23/3/23	24 days	2 days	1439FS+75 days																	
1441	Elevated Landscaped Deck: Soft Landscaping Works	110 days	0 days	110 days	0%	Fri 14/10/22	Thu 23/2/23	NA	NA	Fri 11/11/22	Thu 23/3/23	24 days	2 days	1439FS+75 days																	
1442	Elevated Landscaped Deck: Planting Works	110 days	0 days	110 days	0%	Fri 14/10/22	Thu 23/2/23	NA	NA	Fri 11/11/22	Thu 23/3/23	24 days	2 days	1439FS+75 days																	
1443	Installation of Glass Balustrade	52 days	0 days	52 days	0%	Fri 24/2/23	Sat 29/4/23	NA	NA	Fri 24/3/23	Tue 30/5/23	24 days	6 days	1437,1407,1413,																	
1444	Part 2A - Lift LT1 & LT2 (Landscaped Deck)	671 days	0 days	671 days	0%	Tue 2/6/20	Wed 31/8/22	NA	NA	Tue 2/6/20	Tue 30/5/23	0 days																			
1445	Access Date - Part 2A,2C	0 days	0 days	0 days	0%	Tue 2/6/20	Tue 2/6/20	NA	NA	Tue 2/6/20	Tue 2/6/20	0 days	0 days	4FS+369 days																	
1446	TTA Implementation	3 days	0 days	3 days	0%	Fri 31/7/20	Mon 3/8/20	NA	NA	Wed 9/6/21	Fri 11/6/21	254 days																			
1447	Utilities Diversion (Towngas and Telecom Cable) (tentative)	150 days	0 days	150 days	0%	Tue 4/8/20	Mon 1/2/21	NA	NA	Sat 12/6/21	Thu 9/12/21	254 days	5 days	1445,1446																	
1448	G.I. works	18 days	0 days	18 days	0%	Tue 2/2/21	Thu 25/2/21	NA	NA	Fri 10/12/21	Mon 3/1/22	254 days	1 day	1445,1447																	
1449	Design Verification	25 days	0 days	25 days	0%	Fri 26/2/21	Fri 26/3/21	NA	NA	Tue 4/1/22	Fri 4/2/22	254 days	2 days	1448																	
1450	Lift Pilecap & ELS- Temp. Works Design and Method Statement Submission	0 days	0 days	0 days	0%	Mon 21/12/20	Mon 21/12/20	NA	NA	Tue 16/11/21	Tue 16/11/21	330 days	0.5 day																		
Title: Rev.11 Prog with Progress as of 22-May-20															<div><div>Task</div><div>Split</div><div>Milestone</div><div>Summary</div><div>Project Summary</div><div>Inactive Task</div><div>Inactive Milestone</div><div>Inactive Summary</div><div>Manual Task</div><div>Duration-only</div><div>Manual Summary Rollup</div><div>Manual Summary</div><div>Start-only</div><div>Finish-only</div><div>External Tasks</div><div>External Milestone</div><div>Deadline</div><div>Critical</div><div>Critical Split</div><div>Progress</div><div>Manual Progress</div></div>																
Page 33 of 36																															







Appendix C – Weather information

General Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)	Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)
01/01/2021	8.6	15.0	0.0	01/02/2021	17.2	25.1	0
02/01/2021	10.4	17.8	0.0	02/02/2021	17.7	27.6	0
03/01/2021	13.4	20.6	0.0	03/02/2021	16.7	21.7	0
04/01/2021	16.9	20.7	0.0	04/02/2021	16.8	23.8	0
05/01/2021	17.3	21.9	0.0	05/02/2021	17.3	23.9	0
06/01/2021	16.0	19.6	0.0	06/02/2021	17.5	25.7	0
07/01/2021	10.6	18.3	0.0	07/02/2021	18.1	24.1	0
08/01/2021	7.7	10.7	0.0	08/02/2021	18.2	22.7	0
09/01/2021	8.0	13.1	0.0	09/02/2021	17.3	19.7	Trace
10/01/2021	11.0	15.2	0.0	10/02/2021	15.8	17.4	32.2
11/01/2021	9.2	12.4	0.0	11/02/2021	15.3	19.9	0
12/01/2021	8.6	15.7	0.0	12/02/2021	15.5	22.3	0
13/01/2021	10.4	17.8	0.0	13/02/2021	16.5	23.8	0
14/01/2021	11.8	19.5	0.0	14/02/2021	17.4	22.8	0
15/01/2021	14.6	20.9	0.0	15/02/2021	17.8	26.2	0
16/01/2021	15.8	20.3	0.0	16/02/2021	18.2	24.2	0
17/01/2021	14.1	19.6	0.0	17/02/2021	18.3	24.6	0
18/01/2021	11.7	17.3	0.0	18/02/2021	16.7	22.9	0
19/01/2021	12.6	17.4	0.0	19/02/2021	15.8	22.9	0
20/01/2021	16.1	21.4	0.0	20/02/2021	16.7	23.9	0
21/01/2021	17.6	22.8	0.0	21/02/2021	17.3	24.9	0
22/01/2021	18.2	24.5	0.0	22/02/2021	18.4	26	0
23/01/2021	17.7	24.4	0.0	23/02/2021	18.8	26.4	0
24/01/2021	17.3	20.0	Trace	24/02/2021	18.9	22.9	Trace
25/01/2021	16.9	22.9	0.0	25/02/2021	18.8	22.7	1.8
26/01/2021	17.4	23.5	0.0	26/02/2021	20.4	25.1	14.7
27/01/2021	17.6	21.9	0.0	27/02/2021	18.1	20.8	13.4
28/01/2021	16.5	22.8	0.0	28/02/2021	18.1	22.8	Trace
29/01/2021	14.3	19.7	0.0				
30/01/2021	14.8	19.5	0.0				
31/01/2021	16.0	21.6	0.0				

NOTE1: The above weather information was obtained from manned weather station of Hong Kong Observatory.
NOTE2: Trace means rainfall less than 0.05 mm
<https://www.hko.gov.hk/en/cis/dailyExtract.htm?y=2021&m=1>

NOTE1: The above weather information was obtained from manned weather station of Hong Kong Observatory.
NOTE2: Trace means rainfall less than 0.05 mm
<https://www.hko.gov.hk/en/cis/dailyExtract.htm?y=2021&m=2>

General Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)
01/03/2021	20	25	Trace
02/03/2021	19.1	25.6	Trace
03/03/2021	17.8	19.1	0.3
04/03/2021	18.3	19.4	1
05/03/2021	19.2	21.1	Trace
06/03/2021	19.6	21.7	1.5
07/03/2021	19.1	20.5	0.2
08/03/2021	18.3	22.6	0.3
09/03/2021	18.6	22.9	0
10/03/2021	19.2	21.7	Trace
11/03/2021	18.8	24.2	0
12/03/2021	20.2	27.7	0
13/03/2021	20.5	24.7	Trace
14/03/2021	20.1	23.6	0
15/03/2021	19.9	26.3	0
16/03/2021	21.1	28.8	0
17/03/2021	21.8	28.8	Trace
18/03/2021	22.2	26.2	0.2
19/03/2021	22.8	27.7	Trace
20/03/2021	22.3	29.7	0
21/03/2021	17.2	24.2	0
22/03/2021	15.8	20.9	Trace
23/03/2021	17.9	20	0
24/03/2021	18.4	23.5	0
25/03/2021	20.7	25.2	0
26/03/2021	19.5	25.2	0
27/03/2021	21.8	28.6	0
28/03/2021	22.6	28.1	0
29/03/2021	23.6	28.5	0
30/03/2021	25.3	29	0
31/03/2021	25.3	29	0

NOTE1: The above weather information was obtained from manned weather station of Hong Kong Observatory.

NOTE2: Trace means rainfall less than 0.05 mm

<https://www.hko.gov.hk/en/cis/dailyExtract.htm?y=2021&m=3>

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
01/01/2021	0:00	0	180	02/01/2021	0:00	0.4	22.5	03/01/2021	0:00	2.2	67.5	04/01/2021	0:00	0.4	0
01/01/2021	1:00	0.4	22.5	02/01/2021	1:00	0.4	0	03/01/2021	1:00	1.3	90	04/01/2021	1:00	0.4	90
01/01/2021	2:00	0	337.5	02/01/2021	2:00	0.4	67.5	03/01/2021	2:00	0.9	0	04/01/2021	2:00	0.9	22.5
01/01/2021	3:00	0.4	270	02/01/2021	3:00	0	337.5	03/01/2021	3:00	0.9	112.5	04/01/2021	3:00	0.4	337.5
01/01/2021	4:00	0.4	22.5	02/01/2021	4:00	0	337.5	03/01/2021	4:00	0	157.5	04/01/2021	4:00	0.9	112.5
01/01/2021	5:00	0.4	292.5	02/01/2021	5:00	0	315	03/01/2021	5:00	0	247.5	04/01/2021	5:00	0.4	45
01/01/2021	6:00	0	22.5	02/01/2021	6:00	0	270	03/01/2021	6:00	0	225	04/01/2021	6:00	0	247.5
01/01/2021	7:00	0.4	45	02/01/2021	7:00	0.4	270	03/01/2021	7:00	0	135	04/01/2021	7:00	0.9	67.5
01/01/2021	8:00	0	45	02/01/2021	8:00	0	247.5	03/01/2021	8:00	0	225	04/01/2021	8:00	0.4	67.5
01/01/2021	9:00	0.9	45	02/01/2021	9:00	0.4	45	03/01/2021	9:00	0.4	22.5	04/01/2021	9:00	0.9	112.5
01/01/2021	10:00	0.9	180	02/01/2021	10:00	1.8	22.5	03/01/2021	10:00	1.3	45	04/01/2021	10:00	0.4	315
01/01/2021	11:00	0.9	67.5	02/01/2021	11:00	1.3	22.5	03/01/2021	11:00	1.3	0	04/01/2021	11:00	0.9	112.5
01/01/2021	12:00	0.4	202.5	02/01/2021	12:00	1.3	45	03/01/2021	12:00	0.9	112.5	04/01/2021	12:00	1.3	90
01/01/2021	13:00	0.4	90	02/01/2021	13:00	1.3	112.5	03/01/2021	13:00	0.9	90	04/01/2021	13:00	0.9	112.5
01/01/2021	14:00	0.4	112.5	02/01/2021	14:00	1.3	112.5	03/01/2021	14:00	1.8	90	04/01/2021	14:00	1.3	112.5
01/01/2021	15:00	0.4	90	02/01/2021	15:00	0.9	112.5	03/01/2021	15:00	1.3	90	04/01/2021	15:00	1.8	112.5
01/01/2021	16:00	0.9	112.5	02/01/2021	16:00	0.9	135	03/01/2021	16:00	1.3	90	04/01/2021	16:00	1.8	112.5
01/01/2021	17:00	0.4	112.5	02/01/2021	17:00	1.3	90	03/01/2021	17:00	0.9	112.5	04/01/2021	17:00	0.9	135
01/01/2021	18:00	0.4	112.5	02/01/2021	18:00	0.4	180	03/01/2021	18:00	1.3	112.5	04/01/2021	18:00	0.9	112.5
01/01/2021	19:00	0.4	270	02/01/2021	19:00	0.4	67.5	03/01/2021	19:00	0.4	90	04/01/2021	19:00	0.4	225
01/01/2021	20:00	0.4	0	02/01/2021	20:00	0.4	67.5	03/01/2021	20:00	0.4	90	04/01/2021	20:00	0.4	112.5
01/01/2021	21:00	0	315	02/01/2021	21:00	0.9	112.5	03/01/2021	21:00	0.4	90	04/01/2021	21:00	0.4	22.5
01/01/2021	22:00	0.9	337.5	02/01/2021	22:00	0.9	22.5	03/01/2021	22:00	0.9	90	04/01/2021	22:00	0.4	22.5
01/01/2021	23:00	0	180	02/01/2021	23:00	1.3	90	03/01/2021	23:00	0.9	0	04/01/2021	23:00	0.9	225

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
05/01/2021	0:00	0.4	135	06/01/2021	0:00	1.8	90	07/01/2021	0:00	0.9	0	08/01/2021	0:00	0.9	90
05/01/2021	1:00	0.9	90	06/01/2021	1:00	1.3	67.5	07/01/2021	1:00	1.3	337.5	08/01/2021	1:00	0.9	112.5
05/01/2021	2:00	0.4	0	06/01/2021	2:00	1.8	90	07/01/2021	2:00	1.3	90	08/01/2021	2:00	0.9	112.5
05/01/2021	3:00	0	45	06/01/2021	3:00	0.9	45	07/01/2021	3:00	0.9	45	08/01/2021	3:00	1.3	337.5
05/01/2021	4:00	0.4	90	06/01/2021	4:00	1.3	22.5	07/01/2021	4:00	1.8	22.5	08/01/2021	4:00	1.3	337.5
05/01/2021	5:00	0	45	06/01/2021	5:00	1.3	22.5	07/01/2021	5:00	1.3	337.5	08/01/2021	5:00	1.3	22.5
05/01/2021	6:00	0	112.5	06/01/2021	6:00	1.3	0	07/01/2021	6:00	0.9	22.5	08/01/2021	6:00	0.9	67.5
05/01/2021	7:00	0	225	06/01/2021	7:00	0.9	0	07/01/2021	7:00	0.4	90	08/01/2021	7:00	1.8	45
05/01/2021	8:00	0.4	292.5	06/01/2021	8:00	1.3	22.5	07/01/2021	8:00	0.4	112.5	08/01/2021	8:00	1.3	0
05/01/2021	9:00	0	225	06/01/2021	9:00	0.9	67.5	07/01/2021	9:00	0.4	135	08/01/2021	9:00	2.2	0
05/01/2021	10:00	0.4	67.5	06/01/2021	10:00	1.3	22.5	07/01/2021	10:00	0.4	157.5	08/01/2021	10:00	0.4	247.5
05/01/2021	11:00	0.4	22.5	06/01/2021	11:00	0.9	0	07/01/2021	11:00	0.4	90	08/01/2021	11:00	1.3	22.5
05/01/2021	12:00	0.9	247.5	06/01/2021	12:00	0.9	90	07/01/2021	12:00	0.4	315	08/01/2021	12:00	0.9	292.5
05/01/2021	13:00	0.4	135	06/01/2021	13:00	0.9	90	07/01/2021	13:00	0.9	22.5	08/01/2021	13:00	1.3	90
05/01/2021	14:00	1.3	112.5	06/01/2021	14:00	1.3	90	07/01/2021	14:00	1.3	0	08/01/2021	14:00	0.9	67.5
05/01/2021	15:00	0.9	112.5	06/01/2021	15:00	0.9	112.5	07/01/2021	15:00	1.3	0	08/01/2021	15:00	1.3	337.5
05/01/2021	16:00	0.9	112.5	06/01/2021	16:00	1.3	112.5	07/01/2021	16:00	0.9	337.5	08/01/2021	16:00	0.4	45
05/01/2021	17:00	0.4	45	06/01/2021	17:00	1.3	112.5	07/01/2021	17:00	0.4	0	08/01/2021	17:00	0.9	0
05/01/2021	18:00	0	247.5	06/01/2021	18:00	0.9	112.5	07/01/2021	18:00	0.9	90	08/01/2021	18:00	0.9	112.5
05/01/2021	19:00	0.4	135	06/01/2021	19:00	0.9	315	07/01/2021	19:00	0.9	22.5	08/01/2021	19:00	0.9	0
05/01/2021	20:00	0.4	90	06/01/2021	20:00	0.9	0	07/01/2021	20:00	0.4	157.5	08/01/2021	20:00	1.3	337.5
05/01/2021	21:00	0.4	22.5	06/01/2021	21:00	0.4	0	07/01/2021	21:00	0.9	22.5	08/01/2021	21:00	1.3	315
05/01/2021	22:00	0.9	112.5	06/01/2021	22:00	0.9	315	07/01/2021	22:00	0.9	112.5	08/01/2021	22:00	0.4	0
05/01/2021	23:00	0.9	45	06/01/2021	23:00	1.8	22.5	07/01/2021	23:00	0.4	247.5	08/01/2021	23:00	0	292.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
09/01/2021	0:00	0.4	45	10/01/2021	0:00	0.9	0	11/01/2021	0:00	0.4	157.5	12/01/2021	0:00	1.8	0
09/01/2021	1:00	0	67.5	10/01/2021	1:00	0.4	270	11/01/2021	1:00	0.4	202.5	12/01/2021	1:00	1.8	270
09/01/2021	2:00	0.4	0	10/01/2021	2:00	0.9	0	11/01/2021	2:00	0.4	0	12/01/2021	2:00	1.3	315
09/01/2021	3:00	0.4	22.5	10/01/2021	3:00	0.9	337.5	11/01/2021	3:00	0.9	270	12/01/2021	3:00	0.9	67.5
09/01/2021	4:00	0.4	67.5	10/01/2021	4:00	0.9	22.5	11/01/2021	4:00	1.3	22.5	12/01/2021	4:00	2.2	22.5
09/01/2021	5:00	0.4	67.5	10/01/2021	5:00	0.9	202.5	11/01/2021	5:00	1.3	0	12/01/2021	5:00	2.7	22.5
09/01/2021	6:00	0.4	22.5	10/01/2021	6:00	0.4	337.5	11/01/2021	6:00	0.9	337.5	12/01/2021	6:00	2.2	45
09/01/2021	7:00	0.9	22.5	10/01/2021	7:00	0.9	292.5	11/01/2021	7:00	0.9	22.5	12/01/2021	7:00	1.3	22.5
09/01/2021	8:00	0.9	22.5	10/01/2021	8:00	0.4	45	11/01/2021	8:00	0.9	337.5	12/01/2021	8:00	1.8	45
09/01/2021	9:00	0.4	292.5	10/01/2021	9:00	0.4	292.5	11/01/2021	9:00	0.9	67.5	12/01/2021	9:00	1.3	454
09/01/2021	10:00	0.4	90	10/01/2021	10:00	0.9	22.5	11/01/2021	10:00	0.9	0	12/01/2021	10:00	1.3	90
09/01/2021	11:00	0.9	337.5	10/01/2021	11:00	0.9	135	11/01/2021	11:00	0.9	90	12/01/2021	11:00	1.3	45
09/01/2021	12:00	1.3	337.5	10/01/2021	12:00	0.9	112.5	11/01/2021	12:00	0.9	67.5	12/01/2021	12:00	0.9	45
09/01/2021	13:00	1.8	0	10/01/2021	13:00	1.3	0	11/01/2021	13:00	0.9	22.5	12/01/2021	13:00	0.9	45
09/01/2021	14:00	0.9	22.5	10/01/2021	14:00	1.3	45	11/01/2021	14:00	1.3	45	12/01/2021	14:00	0.9	22.5
09/01/2021	15:00	1.3	67.5	10/01/2021	15:00	0.9	0	11/01/2021	15:00	1.3	45	12/01/2021	15:00	0.9	315
09/01/2021	16:00	0.9	0	10/01/2021	16:00	0.4	90	11/01/2021	16:00	1.3	22.5	12/01/2021	16:00	1.3	0
09/01/2021	17:00	0.9	112.5	10/01/2021	17:00	0.9	45	11/01/2021	17:00	1.8	45	12/01/2021	17:00	0.4	292.5
09/01/2021	18:00	0.4	0	10/01/2021	18:00	0.4	45	11/01/2021	18:00	1.3	67.5	12/01/2021	18:00	0.9	22.5
09/01/2021	19:00	0.4	22.5	10/01/2021	19:00	0.4	0	11/01/2021	19:00	1.3	22.5	12/01/2021	19:00	0	292.5
09/01/2021	20:00	0.4	180	10/01/2021	20:00	0.4	45	11/01/2021	20:00	1.3	22.5	12/01/2021	20:00	0.4	90
09/01/2021	21:00	0.4	22.5	10/01/2021	21:00	0.4	22.5	11/01/2021	21:00	0.9	22.5	12/01/2021	21:00	0.4	67.5
09/01/2021	22:00	0.4	45	10/01/2021	22:00	0.4	292.5	11/01/2021	22:00	0.9	45	12/01/2021	22:00	0.9	45
09/01/2021	23:00	0.9	22.5	10/01/2021	23:00	0	292.5	11/01/2021	23:00	1.3	315	12/01/2021	23:00	0.4	225

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
13/01/2021	0:00	0.4	0	14/01/2021	0:00	0.4	112.5	15/01/2021	0:00	0	90	16/01/2021	0:00	0	112.5
13/01/2021	1:00	0	0	14/01/2021	1:00	0	112.5	15/01/2021	1:00	0	112.5	16/01/2021	1:00	0.4	112.5
13/01/2021	2:00	0	0	14/01/2021	2:00	0	112.5	15/01/2021	2:00	0.4	112.5	16/01/2021	2:00	0.4	135
13/01/2021	3:00	0	292.5	14/01/2021	3:00	0	247.5	15/01/2021	3:00	0.4	112.5	16/01/2021	3:00	0.4	112.5
13/01/2021	4:00	0	0	14/01/2021	4:00	0	180	15/01/2021	4:00	0.9	112.5	16/01/2021	4:00	0.9	135
13/01/2021	5:00	0	67.5	14/01/2021	5:00	0	135	15/01/2021	5:00	0.9	112.5	16/01/2021	5:00	0	90
13/01/2021	6:00	0	0	14/01/2021	6:00	0	135	15/01/2021	6:00	0.9	112.5	16/01/2021	6:00	0.9	0
13/01/2021	7:00	0	0	14/01/2021	7:00	0	112.5	15/01/2021	7:00	0.9	90	16/01/2021	7:00	0	337.5
13/01/2021	8:00	0	0	14/01/2021	8:00	0	112.5	15/01/2021	8:00	0.9	90	16/01/2021	8:00	0.4	112.5
13/01/2021	9:00	0	135	14/01/2021	9:00	0	135	15/01/2021	9:00	0.9	112.5	16/01/2021	9:00	0.4	90
13/01/2021	10:00	0.4	112.5	14/01/2021	10:00	0.4	135	15/01/2021	10:00	0.9	112.5	16/01/2021	10:00	1.3	90
13/01/2021	11:00	0.9	90	14/01/2021	11:00	0.9	90	15/01/2021	11:00	0.9	112.5	16/01/2021	11:00	1.3	90
13/01/2021	12:00	1.3	90	14/01/2021	12:00	1.3	90	15/01/2021	12:00	1.3	90	16/01/2021	12:00	1.8	112.5
13/01/2021	13:00	1.3	112.5	14/01/2021	13:00	0.9	90	15/01/2021	13:00	1.3	112.5	16/01/2021	13:00	3.6	45
13/01/2021	14:00	1.8	67.5	14/01/2021	14:00	1.8	90	15/01/2021	14:00	1.8	90	16/01/2021	14:00	3.6	67.5
13/01/2021	15:00	1.8	112.5	14/01/2021	15:00	1.3	112.5	15/01/2021	15:00	1.3	112.5	16/01/2021	15:00	2.2	90
13/01/2021	16:00	0.9	112.5	14/01/2021	16:00	1.3	112.5	15/01/2021	16:00	0.4	157.5	16/01/2021	16:00	2.2	45
13/01/2021	17:00	1.3	112.5	14/01/2021	17:00	1.8	112.5	15/01/2021	17:00	0.9	112.5	16/01/2021	17:00	3.1	90
13/01/2021	18:00	1.3	112.5	14/01/2021	18:00	0.9	112.5	15/01/2021	18:00	0.4	112.5	16/01/2021	18:00	2.7	90
13/01/2021	19:00	0	135	14/01/2021	19:00	0.4	112.5	15/01/2021	19:00	0.9	112.5	16/01/2021	19:00	2.7	45
13/01/2021	20:00	0	112.5	14/01/2021	20:00	0.4	112.5	15/01/2021	20:00	0.9	112.5	16/01/2021	20:00	2.7	67.5
13/01/2021	21:00	0.4	112.5	14/01/2021	21:00	0	112.5	15/01/2021	21:00	0.9	112.5	16/01/2021	21:00	2.7	45
13/01/2021	22:00	0.4	112.5	14/01/2021	22:00	0	45	15/01/2021	22:00	0.4	135	16/01/2021	22:00	4	90
13/01/2021	23:00	0	90	14/01/2021	23:00	0	90	15/01/2021	23:00	0.4	135	16/01/2021	23:00	4.5	90

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
17/01/2021	0:00	2.7	90	18/01/2021	0:00	0.4	112.5	19/01/2021	0:00	0.9	22.5	20/01/2021	0:00	2.7	90
17/01/2021	1:00	2.7	90	18/01/2021	1:00	0.9	337.5	19/01/2021	1:00	1.3	337.5	20/01/2021	1:00	1.8	67.5
17/01/2021	2:00	2.2	67.5	18/01/2021	2:00	0.4	270	19/01/2021	2:00	1.8	22.5	20/01/2021	2:00	1.3	112.5
17/01/2021	3:00	2.2	90	18/01/2021	3:00	0.4	45	19/01/2021	3:00	1.8	22.5	20/01/2021	3:00	2.2	90
17/01/2021	4:00	1.3	22.5	18/01/2021	4:00	0.4	292.5	19/01/2021	4:00	0.9	22.5	20/01/2021	4:00	1.8	112.5
17/01/2021	5:00	1.3	135	18/01/2021	5:00	0	270	19/01/2021	5:00	0.9	0	20/01/2021	5:00	0.9	337.5
17/01/2021	6:00	0.9	22.5	18/01/2021	6:00	0.4	270	19/01/2021	6:00	0.4	67.5	20/01/2021	6:00	0.9	135
17/01/2021	7:00	1.3	22.5	18/01/2021	7:00	0	270	19/01/2021	7:00	0.9	315	20/01/2021	7:00	1.3	90
17/01/2021	8:00	0.9	112.5	18/01/2021	8:00	0	112.5	19/01/2021	8:00	0.9	22.5	20/01/2021	8:00	1.3	112.5
17/01/2021	9:00	0.4	22.5	18/01/2021	9:00	0.4	247.5	19/01/2021	9:00	1.3	90	20/01/2021	9:00	1.3	112.5
17/01/2021	10:00	1.3	22.5	18/01/2021	10:00	0.9	247.5	19/01/2021	10:00	1.8	90	20/01/2021	10:00	1.8	90
17/01/2021	11:00	0.9	112.5	18/01/2021	11:00	1.3	247.5	19/01/2021	11:00	1.3	247.5	20/01/2021	11:00	2.2	112.5
17/01/2021	12:00	1.3	22.5	18/01/2021	12:00	0.4	225	19/01/2021	12:00	1.3	112.5	20/01/2021	12:00	1.8	90
17/01/2021	13:00	0.4	157.5	18/01/2021	13:00	0.9	135	19/01/2021	13:00	1.3	1112.5	20/01/2021	13:00	1.3	112.5
17/01/2021	14:00	1.3	270	18/01/2021	14:00	0.9	112.5	19/01/2021	14:00	1.8	90	20/01/2021	14:00	0.9	315
17/01/2021	15:00	0.9	0	18/01/2021	15:00	0.9	112.5	19/01/2021	15:00	1.8	112.5	20/01/2021	15:00	1.3	90
17/01/2021	16:00	0.9	0	18/01/2021	16:00	1.3	112.5	19/01/2021	16:00	1.3	112.5	20/01/2021	16:00	0.9	315
17/01/2021	17:00	1.3	22.5	18/01/2021	17:00	0.9	90	19/01/2021	17:00	0.9	112.5	20/01/2021	17:00	1.3	90
17/01/2021	18:00	0.4	22.5	18/01/2021	18:00	0.9	135	19/01/2021	18:00	1.3	90	20/01/2021	18:00	0.9	112.5
17/01/2021	19:00	0.4	337.5	18/01/2021	19:00	0.9	112.5	19/01/2021	19:00	1.3	90	20/01/2021	19:00	0.9	112.5
17/01/2021	20:00	1.3	315	18/01/2021	20:00	0	135	19/01/2021	20:00	0.4	90	20/01/2021	20:00	0.4	22.5
17/01/2021	21:00	2.2	22.5	18/01/2021	21:00	0	135	19/01/2021	21:00	0.9	135	20/01/2021	21:00	0.9	112.5
17/01/2021	22:00	0.9	0	18/01/2021	22:00	0.4	337.5	19/01/2021	22:00	1.3	157.5	20/01/2021	22:00	0.4	90
17/01/2021	23:00	0.9	0	18/01/2021	23:00	0.4	202.5	19/01/2021	23:00	2.2	112.5	20/01/2021	23:00	0.9	67.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
21/01/2021	0:00	1.3	112.5	22/01/2021	0:00	0	112.5	23/01/2021	0:00	0.4	247.5	24/01/2021	0:00	0.4	135
21/01/2021	1:00	0.9	67.5	22/01/2021	1:00	0	112.5	23/01/2021	1:00	0.4	225	24/01/2021	1:00	0.4	112.5
21/01/2021	2:00	2.7	90	22/01/2021	2:00	0	112.5	23/01/2021	2:00	0	270	24/01/2021	2:00	0.4	112.5
21/01/2021	3:00	0.9	135	22/01/2021	3:00	0	112.5	23/01/2021	3:00	0.9	247.5	24/01/2021	3:00	0	112.5
21/01/2021	4:00	0.4	180	22/01/2021	4:00	0	112.5	23/01/2021	4:00	0	202.5	24/01/2021	4:00	0	112.5
21/01/2021	5:00	0.4	135	22/01/2021	5:00	0	112.5	23/01/2021	5:00	0	247.5	24/01/2021	5:00	0.4	112.5
21/01/2021	6:00	0.9	112.5	22/01/2021	6:00	0	157.5	23/01/2021	6:00	0.4	225	24/01/2021	6:00	1.3	67.5
21/01/2021	7:00	0.4	112.5	22/01/2021	7:00	0	180	23/01/2021	7:00	0.4	157.5	24/01/2021	7:00	2.2	90
21/01/2021	8:00	0.4	90	22/01/2021	8:00	0.9	247.5	23/01/2021	8:00	0.4	45	24/01/2021	8:00	2.2	22.5
21/01/2021	9:00	1.3	112.5	22/01/2021	9:00	0.4	90	23/01/2021	9:00	0	292.5	24/01/2021	9:00	1.3	112.5
21/01/2021	10:00	0.9	112.5	22/01/2021	10:00	0.4	112.5	23/01/2021	10:00	0.4	202.5	24/01/2021	10:00	2.7	112.5
21/01/2021	11:00	1.8	112.5	22/01/2021	11:00	0.4	180	23/01/2021	11:00	0.4	112.5	24/01/2021	11:00	2.7	45
21/01/2021	12:00	1.3	90	22/01/2021	12:00	0.4	225	23/01/2021	12:00	0.4	112.5	24/01/2021	12:00	1.8	112.5
21/01/2021	13:00	1.8	90	22/01/2021	13:00	0.9	225	23/01/2021	13:00	0.9	112.5	24/01/2021	13:00	1.8	0
21/01/2021	14:00	1.3	112.5	22/01/2021	14:00	0.9	292.5	23/01/2021	14:00	0.9	112.5	24/01/2021	14:00	1.8	112.5
21/01/2021	15:00	1.3	112.5	22/01/2021	15:00	0.9	270	23/01/2021	15:00	0.9	112.5	24/01/2021	15:00	2.7	45
21/01/2021	16:00	1.8	112.5	22/01/2021	16:00	0	247.5	23/01/2021	16:00	0.9	112.5	24/01/2021	16:00	1.8	45
21/01/2021	17:00	1.3	90	22/01/2021	17:00	1.8	247.5	23/01/2021	17:00	0.9	225	24/01/2021	17:00	2.2	22.5
21/01/2021	18:00	0.4	67.5	22/01/2021	18:00	0.4	247.5	23/01/2021	18:00	0.9	247.5	24/01/2021	18:00	2.2	90
21/01/2021	19:00	0.4	112.5	22/01/2021	19:00	0	247.5	23/01/2021	19:00	0	247.5	24/01/2021	19:00	1.8	67.5
21/01/2021	20:00	0	112.5	22/01/2021	20:00	0	315	23/01/2021	20:00	0.4	112.5	24/01/2021	20:00	1.8	90
21/01/2021	21:00	0	112.5	22/01/2021	21:00	0	247.5	23/01/2021	21:00	0	112.5	24/01/2021	21:00	1.3	90
21/01/2021	22:00	0	112.5	22/01/2021	22:00	0.4	247.5	23/01/2021	22:00	0	112.5	24/01/2021	22:00	1.3	135
21/01/2021	23:00	0	112.5	22/01/2021	23:00	0	247.5	23/01/2021	23:00	0	112.5	24/01/2021	23:00	1.3	90

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
25/01/2021	0:00	0.9	22.5	26/01/2021	0:00	0.4	112.5	27/01/2021	0:00	0	112.5	28/01/2021	0:00	0.4	112.5
25/01/2021	1:00	0.9	112.5	26/01/2021	1:00	0.9	90	27/01/2021	1:00	0.9	112.5	28/01/2021	1:00	0.9	337.5
25/01/2021	2:00	1.3	112.5	26/01/2021	2:00	0.4	45	27/01/2021	2:00	0.9	112.5	28/01/2021	2:00	0.4	270
25/01/2021	3:00	1.3	112.5	26/01/2021	3:00	0.4	112.5	27/01/2021	3:00	0.4	0	28/01/2021	3:00	0.4	45
25/01/2021	4:00	0.9	90	26/01/2021	4:00	0.9	112.5	27/01/2021	4:00	0.9	22.5	28/01/2021	4:00	0.4	292.5
25/01/2021	5:00	1.3	112.5	26/01/2021	5:00	0.4	112.5	27/01/2021	5:00	0.9	112.5	28/01/2021	5:00	0	270
25/01/2021	6:00	0.4	90	26/01/2021	6:00	0.9	112.5	27/01/2021	6:00	0.9	112.5	28/01/2021	6:00	0.4	270
25/01/2021	7:00	0.9	112.5	26/01/2021	7:00	1.3	112.5	27/01/2021	7:00	0.9	112.5	28/01/2021	7:00	0	270
25/01/2021	8:00	1.3	112.5	26/01/2021	8:00	0.4	90	27/01/2021	8:00	0.9	90	28/01/2021	8:00	0	112.5
25/01/2021	9:00	1.8	112.5	26/01/2021	9:00	0.9	112.5	27/01/2021	9:00	1.3	90	28/01/2021	9:00	0.4	247.5
25/01/2021	10:00	0.9	112.5	26/01/2021	10:00	0.9	67.5	27/01/2021	10:00	0.9	90	28/01/2021	10:00	0.9	247.5
25/01/2021	11:00	1.3	135	26/01/2021	11:00	0.9	112.5	27/01/2021	11:00	1.3	90	28/01/2021	11:00	1.3	247.5
25/01/2021	12:00	1.8	112.5	26/01/2021	12:00	1.8	112.5	27/01/2021	12:00	0.9	112.5	28/01/2021	12:00	0.4	225
25/01/2021	13:00	1.8	112.5	26/01/2021	13:00	1.3	112.5	27/01/2021	13:00	1.3	112.5	28/01/2021	13:00	0.9	135
25/01/2021	14:00	2.2	112.5	26/01/2021	14:00	1.3	90	27/01/2021	14:00	1.3	112.5	28/01/2021	14:00	0.9	112.5
25/01/2021	15:00	1.8	90	26/01/2021	15:00	0.4	135	27/01/2021	15:00	1.3	112.5	28/01/2021	15:00	0.9	112.5
25/01/2021	16:00	1.3	112.5	26/01/2021	16:00	0.4	112.5	27/01/2021	16:00	1.8	112.5	28/01/2021	16:00	1.3	112.5
25/01/2021	17:00	1.3	90	26/01/2021	17:00	0.4	112.5	27/01/2021	17:00	1.3	90	28/01/2021	17:00	0.9	90
25/01/2021	18:00	0.9	112.5	26/01/2021	18:00	0	112.5	27/01/2021	18:00	1.3	112.5	28/01/2021	18:00	0.9	135
25/01/2021	19:00	1.3	112.5	26/01/2021	19:00	0	112.5	27/01/2021	19:00	1.3	90	28/01/2021	19:00	0.9	112.5
25/01/2021	20:00	0.9	135	26/01/2021	20:00	0	112.5	27/01/2021	20:00	0.4	90	28/01/2021	20:00	0	135
25/01/2021	21:00	0.4	112.5	26/01/2021	21:00	0	112.5	27/01/2021	21:00	0.9	135	28/01/2021	21:00	0	135
25/01/2021	22:00	0	112.5	26/01/2021	22:00	0	112.5	27/01/2021	22:00	1.3	157.5	28/01/2021	22:00	0.4	337.5
25/01/2021	23:00	0.4	112.5	26/01/2021	23:00	0	112.5	27/01/2021	23:00	2.2	112.5	28/01/2021	23:00	0.4	202.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
29/01/2021	0:00	0.4	45	30/01/2021	0:00	0.4	22.5	31/01/2021	0:00	0.4	112.5				
29/01/2021	1:00	0	67.5	30/01/2021	1:00	0.4	0	31/01/2021	1:00	0	112.5				
29/01/2021	2:00	0.4	0	30/01/2021	2:00	0.4	67.5	31/01/2021	2:00	0	112.5				
29/01/2021	3:00	0.4	22.5	30/01/2021	3:00	0	337.5	31/01/2021	3:00	0	247.5				
29/01/2021	4:00	0.4	67.5	30/01/2021	4:00	0	337.5	31/01/2021	4:00	0	180				
29/01/2021	5:00	0.4	67.5	30/01/2021	5:00	0	315	31/01/2021	5:00	0	135				
29/01/2021	6:00	0.4	22.5	30/01/2021	6:00	0	270	31/01/2021	6:00	0	135				
29/01/2021	7:00	0.9	22.5	30/01/2021	7:00	0.4	270	31/01/2021	7:00	0	112.5				
29/01/2021	8:00	0.9	22.5	30/01/2021	8:00	0	247.5	31/01/2021	8:00	0	112.5				
29/01/2021	9:00	0.4	292.5	30/01/2021	9:00	0.4	45	31/01/2021	9:00	0	135				
29/01/2021	10:00	0.4	90	30/01/2021	10:00	1.8	22.5	31/01/2021	10:00	0.4	135				
29/01/2021	11:00	0.9	337.5	30/01/2021	11:00	1.3	22.5	31/01/2021	11:00	0.9	90				
29/01/2021	12:00	1.3	337.5	30/01/2021	12:00	1.3	45	31/01/2021	12:00	1.3	90				
29/01/2021	13:00	1.8	0	30/01/2021	13:00	1.3	112.5	31/01/2021	13:00	0.9	90				
29/01/2021	14:00	0.9	22.5	30/01/2021	14:00	1.3	112.5	31/01/2021	14:00	1.8	90				
29/01/2021	15:00	1.3	67.5	30/01/2021	15:00	0.9	112.5	31/01/2021	15:00	1.3	112.5				
29/01/2021	16:00	0.9	0	30/01/2021	16:00	0.9	135	31/01/2021	16:00	1.3	112.5				
29/01/2021	17:00	0.9	112.5	30/01/2021	17:00	1.3	90	31/01/2021	17:00	1.8	112.5				
29/01/2021	18:00	0.4	0	30/01/2021	18:00	0.4	180	31/01/2021	18:00	0.9	112.5				
29/01/2021	19:00	0.4	22.5	30/01/2021	19:00	0.4	67.5	31/01/2021	19:00	0.4	112.5				
29/01/2021	20:00	0.4	180	30/01/2021	20:00	0.4	67.5	31/01/2021	20:00	0.4	112.5				
29/01/2021	21:00	0.4	22.5	30/01/2021	21:00	0.9	112.5	31/01/2021	21:00	0	112.5				
29/01/2021	22:00	0.4	45	30/01/2021	22:00	0.9	22.5	31/01/2021	22:00	0	45				
29/01/2021	23:00	0.9	22.5	30/01/2021	23:00	1.3	90	31/01/2021	23:00	0	90				

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
01/02/2021	0:00	0.9	112.5	02/02/2021	0:00	0.4	112.5	03/02/2021	0:00	3.1	112.5	04/02/2021	0:00	0.4	22.5
01/02/2021	1:00	0.9	112.5	02/02/2021	1:00	0.4	112.5	03/02/2021	1:00	3.6	90	04/02/2021	1:00	0.9	67.5
01/02/2021	2:00	1.3	112.5	02/02/2021	2:00	0.4	112.5	03/02/2021	2:00	2.2	67.5	04/02/2021	2:00	1.3	67.5
01/02/2021	3:00	0.9	112.5	02/02/2021	3:00	0.4	112.5	03/02/2021	3:00	2.7	90	04/02/2021	3:00	1.3	45
01/02/2021	4:00	0.9	112.5	02/02/2021	4:00	0.4	112.5	03/02/2021	4:00	1.8	90	04/02/2021	4:00	1.3	90
01/02/2021	5:00	0.9	112.5	02/02/2021	5:00	0.4	112.5	03/02/2021	5:00	1.8	90	04/02/2021	5:00	1.3	67.5
01/02/2021	6:00	0.9	90	02/02/2021	6:00	0.9	112.5	03/02/2021	6:00	1.3	45	04/02/2021	6:00	1.3	90
01/02/2021	7:00	0.9	45	02/02/2021	7:00	1.3	112.5	03/02/2021	7:00	1.8	112.5	04/02/2021	7:00	1.3	67.5
01/02/2021	8:00	0.9	22.5	02/02/2021	8:00	1.3	112.5	03/02/2021	8:00	1.8	90	04/02/2021	8:00	0.9	112.5
01/02/2021	9:00	0.4	112.5	02/02/2021	9:00	1.3	112.5	03/02/2021	9:00	1.8	45	04/02/2021	9:00	1.3	90
01/02/2021	10:00	0.9	67.5	02/02/2021	10:00	2.2	112.5	03/02/2021	10:00	1.8	90	04/02/2021	10:00	0.9	112.5
01/02/2021	11:00	0.9	90	02/02/2021	11:00	1.8	135	03/02/2021	11:00	1.3	67.5	04/02/2021	11:00	0.9	112.5
01/02/2021	12:00	1.8	112.5	02/02/2021	12:00	1.3	135	03/02/2021	12:00	1.3	45	04/02/2021	12:00	0.9	112.5
01/02/2021	13:00	1.8	135	02/02/2021	13:00	1.8	135	03/02/2021	13:00	1.8	45	04/02/2021	13:00	1.3	112.5
01/02/2021	14:00	1.8	112.5	02/02/2021	14:00	1.3	90	03/02/2021	14:00	1.8	90	04/02/2021	14:00	1.3	112.5
01/02/2021	15:00	1.8	67.5	02/02/2021	15:00	1.8	112.5	03/02/2021	15:00	1.3	67.5	04/02/2021	15:00	1.8	90
01/02/2021	16:00	2.2	112.5	02/02/2021	16:00	1.8	135	03/02/2021	16:00	1.3	67.5	04/02/2021	16:00	1.8	90
01/02/2021	17:00	2.2	22.5	02/02/2021	17:00	2.2	90	03/02/2021	17:00	1.3	67.5	04/02/2021	17:00	1.8	90
01/02/2021	18:00	1.8	90	02/02/2021	18:00	2.7	45	03/02/2021	18:00	2.2	90	04/02/2021	18:00	2.2	90
01/02/2021	19:00	1.8	67.5	02/02/2021	19:00	2.7	112.5	03/02/2021	19:00	1.8	90	04/02/2021	19:00	2.2	90
01/02/2021	20:00	0.9	90	02/02/2021	20:00	2.2	112.5	03/02/2021	20:00	0.9	67.5	04/02/2021	20:00	1.8	112.5
01/02/2021	21:00	0.9	45	02/02/2021	21:00	2.2	135	03/02/2021	21:00	1.8	90	04/02/2021	21:00	1.3	90
01/02/2021	22:00	0.9	67.5	02/02/2021	22:00	2.7	112.5	03/02/2021	22:00	2.2	112.5	04/02/2021	22:00	0.4	135
01/02/2021	23:00	0.9	112.5	02/02/2021	23:00	3.1	112.5	03/02/2021	23:00	0.9	90	04/02/2021	23:00	0.4	90

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
05/02/2021	0:00	0.4	112.5	06/02/2021	0:00	2.7	135	07/02/2021	0:00	0	112.5	08/02/2021	0:00	0.9	112.5
05/02/2021	1:00	0.9	67.5	06/02/2021	1:00	2.7	112.5	07/02/2021	1:00	0	45	08/02/2021	1:00	1.3	90
05/02/2021	2:00	0.9	22.5	06/02/2021	2:00	1.8	112.5	07/02/2021	2:00	0	112.5	08/02/2021	2:00	2.2	112.5
05/02/2021	3:00	0.4	67.5	06/02/2021	3:00	0.4	112.5	07/02/2021	3:00	0.4	90	08/02/2021	3:00	1.8	157.5
05/02/2021	4:00	0.9	292.5	06/02/2021	4:00	0.4	112.5	07/02/2021	4:00	1.3	337.5	08/02/2021	4:00	1.8	67.5
05/02/2021	5:00	1.8	67.5	06/02/2021	5:00	0	112.5	07/02/2021	5:00	1.3	67.5	08/02/2021	5:00	2.2	67.5
05/02/2021	6:00	1.3	90	06/02/2021	6:00	0.4	0	07/02/2021	6:00	1.8	90	08/02/2021	6:00	2.7	90
05/02/2021	7:00	1.3	67.5	06/02/2021	7:00	0.4	112.5	07/02/2021	7:00	1.3	67.5	08/02/2021	7:00	2.7	90
05/02/2021	8:00	0.9	67.5	06/02/2021	8:00	0.4	0	07/02/2021	8:00	1.8	67.5	08/02/2021	8:00	2.2	90
05/02/2021	9:00	0.9	135	06/02/2021	9:00	0	0	07/02/2021	9:00	2.2	90	08/02/2021	9:00	2.7	67.5
05/02/2021	10:00	0.9	45	06/02/2021	10:00	0	0	07/02/2021	10:00	2.2	67.5	08/02/2021	10:00	2.2	90
05/02/2021	11:00	1.3	45	06/02/2021	11:00	0	112.5	07/02/2021	11:00	2.2	90	08/02/2021	11:00	2.2	67.5
05/02/2021	12:00	1.8	90	06/02/2021	12:00	1.8	112.5	07/02/2021	12:00	1.8	67.5	08/02/2021	12:00	1.8	90
05/02/2021	13:00	1.8	45	06/02/2021	13:00	1.3	112.5	07/02/2021	13:00	2.2	90	08/02/2021	13:00	4.5	90
05/02/2021	14:00	1.3	67.5	06/02/2021	14:00	1.3	112.5	07/02/2021	14:00	2.2	90	08/02/2021	14:00	4	90
05/02/2021	15:00	1.8	90	06/02/2021	15:00	0.9	112.5	07/02/2021	15:00	2.7	67.5	08/02/2021	15:00	4	90
05/02/2021	16:00	2.7	315	06/02/2021	16:00	0.9	112.5	07/02/2021	16:00	3.1	67.5	08/02/2021	16:00	3.1	112.5
05/02/2021	17:00	2.2	247.5	06/02/2021	17:00	0.4	112.5	07/02/2021	17:00	2.7	67.5	08/02/2021	17:00	2.7	90
05/02/2021	18:00	0.9	315	06/02/2021	18:00	0.4	112.5	07/02/2021	18:00	2.7	67.5	08/02/2021	18:00	3.1	67.5
05/02/2021	19:00	0.9	45	06/02/2021	19:00	0	112.5	07/02/2021	19:00	3.6	45	08/02/2021	19:00	3.1	90
05/02/2021	20:00	1.8	337.5	06/02/2021	20:00	0	112.5	07/02/2021	20:00	3.1	90	08/02/2021	20:00	2.2	90
05/02/2021	21:00	1.8	90	06/02/2021	21:00	0.4	112.5	07/02/2021	21:00	3.1	45	08/02/2021	21:00	2.7	90
05/02/2021	22:00	1.3	337.5	06/02/2021	22:00	0.4	112.5	07/02/2021	22:00	3.1	45	08/02/2021	22:00	2.7	90
05/02/2021	23:00	1.8	90	06/02/2021	23:00	0.4	112.5	07/02/2021	23:00	2.7	67.5	08/02/2021	23:00	2.7	45

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
09/02/2021	0:00	0.4	67.5	10/02/2021	0:00	0	247.5	11/02/2021	0:00	0.4	270	12/02/2021	0:00	0.9	112.5
09/02/2021	1:00	0.4	90	10/02/2021	1:00	0.9	247.5	11/02/2021	1:00	0.4	270	12/02/2021	1:00	0.4	112.5
09/02/2021	2:00	0.4	112.5	10/02/2021	2:00	0.4	225	11/02/2021	2:00	0.4	90	12/02/2021	2:00	0.4	112.5
09/02/2021	3:00	1.3	45	10/02/2021	3:00	0.9	67.5	11/02/2021	3:00	0.4	90	12/02/2021	3:00	0.4	112.5
09/02/2021	4:00	0.9	45	10/02/2021	4:00	0.4	270	11/02/2021	4:00	0.4	112.5	12/02/2021	4:00	0.4	112.5
09/02/2021	5:00	0.4	45	10/02/2021	5:00	0.4	247.5	11/02/2021	5:00	0.4	90	12/02/2021	5:00	1.8	112.5
09/02/2021	6:00	0.4	67.5	10/02/2021	6:00	0.4	180	11/02/2021	6:00	0.9	112.5	12/02/2021	6:00	2.2	157.5
09/02/2021	7:00	0.4	315	10/02/2021	7:00	0.4	247.5	11/02/2021	7:00	0.9	90	12/02/2021	7:00	2.7	135
09/02/2021	8:00	0.9	270	10/02/2021	8:00	0.4	270	11/02/2021	8:00	1.3	90	12/02/2021	8:00	2.7	270
09/02/2021	9:00	0.4	337.5	10/02/2021	9:00	0.4	135	11/02/2021	9:00	1.3	112.5	12/02/2021	9:00	2.7	112.5
09/02/2021	10:00	0.9	292.5	10/02/2021	10:00	0.4	157.5	11/02/2021	10:00	1.3	90	12/02/2021	10:00	0.4	112.5
09/02/2021	11:00	0.4	337.5	10/02/2021	11:00	0.4	157.5	11/02/2021	11:00	1.3	112.5	12/02/2021	11:00	0.4	202.5
09/02/2021	12:00	0.9	315	10/02/2021	12:00	0.4	202.5	11/02/2021	12:00	1.3	112.5	12/02/2021	12:00	0.4	225
09/02/2021	13:00	0.9	112.5	10/02/2021	13:00	1.3	225	11/02/2021	13:00	2.2	90	12/02/2021	13:00	0.4	247.5
09/02/2021	14:00	0.9	225	10/02/2021	14:00	1.3	247.5	11/02/2021	14:00	1.8	112.5	12/02/2021	14:00	0.4	157.5
09/02/2021	15:00	0.9	112.5	10/02/2021	15:00	0.9	135	11/02/2021	15:00	1.3	112.5	12/02/2021	15:00	1.3	225
09/02/2021	16:00	0.4	67.5	10/02/2021	16:00	0.9	112.5	11/02/2021	16:00	0.9	112.5	12/02/2021	16:00	0.4	225
09/02/2021	17:00	0.4	337.5	10/02/2021	17:00	1.3	112.5	11/02/2021	17:00	0.9	112.5	12/02/2021	17:00	0.4	225
09/02/2021	18:00	0.4	135	10/02/2021	18:00	1.3	135	11/02/2021	18:00	1.3	112.5	12/02/2021	18:00	0.4	225
09/02/2021	19:00	0.4	112.5	10/02/2021	19:00	0.9	112.5	11/02/2021	19:00	0.9	112.5	12/02/2021	19:00	0.4	225
09/02/2021	20:00	0.4	180	10/02/2021	20:00	1.3	112.5	11/02/2021	20:00	1.3	90	12/02/2021	20:00	0.4	225
09/02/2021	21:00	0.9	180	10/02/2021	21:00	0.9	112.5	11/02/2021	21:00	0.9	112.5	12/02/2021	21:00	0.4	247.5
09/02/2021	22:00	0.9	315	10/02/2021	22:00	1.3	112.5	11/02/2021	22:00	0.9	135	12/02/2021	22:00	0.9	247.5
09/02/2021	23:00	0.9	292.5	10/02/2021	23:00	0.9	112.5	11/02/2021	23:00	0.9	270	12/02/2021	23:00	0.4	247.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
13/02/2021	0:00	0	270	14/02/2021	0:00	1.8	45	15/02/2021	0:00	0	202.5	16/02/2021	0:00	0.9	45
13/02/2021	1:00	0	270	14/02/2021	1:00	1.3	90	15/02/2021	1:00	0	135	16/02/2021	1:00	0.9	135
13/02/2021	2:00	0.4	270	14/02/2021	2:00	1.3	90	15/02/2021	2:00	0.4	45	16/02/2021	2:00	1.3	112.5
13/02/2021	3:00	0.4	270	14/02/2021	3:00	1.3	112.5	15/02/2021	3:00	0.4	0	16/02/2021	3:00	1.3	90
13/02/2021	4:00	0.9	270	14/02/2021	4:00	1.8	45	15/02/2021	4:00	0.9	90	16/02/2021	4:00	1.8	90
13/02/2021	5:00	0.9	270	14/02/2021	5:00	1.3	45	15/02/2021	5:00	0.9	90	16/02/2021	5:00	1.8	90
13/02/2021	6:00	1.8	247.5	14/02/2021	6:00	1.3	112.5	15/02/2021	6:00	0.9	45	16/02/2021	6:00	1.3	90
13/02/2021	7:00	1.8	157.5	14/02/2021	7:00	1.3	90	15/02/2021	7:00	0.9	292.5	16/02/2021	7:00	1.3	90
13/02/2021	8:00	1.8	157.5	14/02/2021	8:00	1.8	90	15/02/2021	8:00	0.9	247.5	16/02/2021	8:00	0.9	180
13/02/2021	9:00	2.2	135	14/02/2021	9:00	1.3	90	15/02/2021	9:00	0.9	112.5	16/02/2021	9:00	0.9	180
13/02/2021	10:00	1.3	112.5	14/02/2021	10:00	1.3	112.5	15/02/2021	10:00	0.9	22.5	16/02/2021	10:00	1.3	112.5
13/02/2021	11:00	1.3	90	14/02/2021	11:00	1.8	112.5	15/02/2021	11:00	0.9	22.5	16/02/2021	11:00	2.2	90
13/02/2021	12:00	1.3	90	14/02/2021	12:00	1.3	67.5	15/02/2021	12:00	1.3	22.5	16/02/2021	12:00	1.8	112.5
13/02/2021	13:00	1.8	22.5	14/02/2021	13:00	1.8	135	15/02/2021	13:00	1.3	112.5	16/02/2021	13:00	0.4	90
13/02/2021	14:00	1.3	45	14/02/2021	14:00	1.3	112.5	15/02/2021	14:00	1.8	67.5	16/02/2021	14:00	0.9	112.5
13/02/2021	15:00	0.9	67.5	14/02/2021	15:00	0.9	90	15/02/2021	15:00	1.3	135	16/02/2021	15:00	0.9	90
13/02/2021	16:00	0.9	90	14/02/2021	16:00	0	112.5	15/02/2021	16:00	0.4	45	16/02/2021	16:00	0.4	90
13/02/2021	17:00	0.4	337.5	14/02/2021	17:00	0	112.5	15/02/2021	17:00	0.9	112.5	16/02/2021	17:00	0.9	135
13/02/2021	18:00	0.4	67.5	14/02/2021	18:00	0.4	112.5	15/02/2021	18:00	0.4	337.5	16/02/2021	18:00	0.9	112.5
13/02/2021	19:00	0.4	22.5	14/02/2021	19:00	0.9	112.5	15/02/2021	19:00	0.9	315	16/02/2021	19:00	0.9	90
13/02/2021	20:00	0.4	45	14/02/2021	20:00	0.4	112.5	15/02/2021	20:00	0.9	67.5	16/02/2021	20:00	0.9	112.5
13/02/2021	21:00	0.9	90	14/02/2021	21:00	0.4	112.5	15/02/2021	21:00	0.9	112.5	16/02/2021	21:00	0.9	90
13/02/2021	22:00	0.4	90	14/02/2021	22:00	0.4	112.5	15/02/2021	22:00	0.4	337.5	16/02/2021	22:00	0.9	90
13/02/2021	23:00	0.9	90	14/02/2021	23:00	0.4	135	15/02/2021	23:00	0.4	112.5	16/02/2021	23:00	1.3	90

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
17/02/2021	0:00	0.4	135	18/02/2021	0:00	0.4	112.5	19/02/2021	0:00	0.4	112.5	20/02/2021	0:00	0.9	135
17/02/2021	1:00	0.4	135	18/02/2021	1:00	0.4	112.5	19/02/2021	1:00	0.4	112.5	20/02/2021	1:00	0.4	112.5
17/02/2021	2:00	0.4	135	18/02/2021	2:00	0.4	135	19/02/2021	2:00	0.4	112.5	20/02/2021	2:00	0.4	90
17/02/2021	3:00	0.9	135	18/02/2021	3:00	0.9	135	19/02/2021	3:00	0.4	135	20/02/2021	3:00	0.4	112.5
17/02/2021	4:00	0.4	135	18/02/2021	4:00	0.9	112.5	19/02/2021	4:00	0.4	135	20/02/2021	4:00	1.3	90
17/02/2021	5:00	0.4	135	18/02/2021	5:00	1.3	112.5	19/02/2021	5:00	0.4	112.5	20/02/2021	5:00	1.3	112.5
17/02/2021	6:00	0.4	247.5	18/02/2021	6:00	1.8	112.5	19/02/2021	6:00	0.4	112.5	20/02/2021	6:00	1.3	135
17/02/2021	7:00	1.3	135	18/02/2021	7:00	1.3	112.5	19/02/2021	7:00	0.4	112.5	20/02/2021	7:00	1.3	112.5
17/02/2021	8:00	1.3	112.5	18/02/2021	8:00	1.8	112.5	19/02/2021	8:00	0.4	112.5	20/02/2021	8:00	1.3	90
17/02/2021	9:00	1.3	112.5	18/02/2021	9:00	1.3	112.5	19/02/2021	9:00	0.9	112.5	20/02/2021	9:00	1.3	90
17/02/2021	10:00	1.3	112.5	18/02/2021	10:00	1.3	112.5	19/02/2021	10:00	0.4	112.5	20/02/2021	10:00	1.3	135
17/02/2021	11:00	1.3	112.5	18/02/2021	11:00	1.3	112.5	19/02/2021	11:00	1.3	112.5	20/02/2021	11:00	1.3	135
17/02/2021	12:00	1.3	135	18/02/2021	12:00	1.3	112.5	19/02/2021	12:00	1.3	90	20/02/2021	12:00	0.9	112.5
17/02/2021	13:00	1.3	135	18/02/2021	13:00	1.3	90	19/02/2021	13:00	0.9	112.5	20/02/2021	13:00	1.3	112.5
17/02/2021	14:00	1.3	135	18/02/2021	14:00	1.3	112.5	19/02/2021	14:00	1.3	135	20/02/2021	14:00	1.3	112.5
17/02/2021	15:00	0.9	112.5	18/02/2021	15:00	1.3	112.5	19/02/2021	15:00	1.3	112.5	20/02/2021	15:00	1.3	90
17/02/2021	16:00	1.3	90	18/02/2021	16:00	1.8	112.5	19/02/2021	16:00	1.3	112.5	20/02/2021	16:00	0.9	112.5
17/02/2021	17:00	1.3	112.5	18/02/2021	17:00	1.8	112.5	19/02/2021	17:00	1.3	112.5	20/02/2021	17:00	0.9	112.5
17/02/2021	18:00	1.3	112.5	18/02/2021	18:00	0.9	112.5	19/02/2021	18:00	0.9	135	20/02/2021	18:00	0.4	112.5
17/02/2021	19:00	0.4	112.5	18/02/2021	19:00	0.9	112.5	19/02/2021	19:00	0.9	112.5	20/02/2021	19:00	0.4	112.5
17/02/2021	20:00	0.9	112.5	18/02/2021	20:00	0.9	135	19/02/2021	20:00	0.9	112.5	20/02/2021	20:00	0.9	135
17/02/2021	21:00	0.4	112.5	18/02/2021	21:00	0.9	135	19/02/2021	21:00	0.4	112.5	20/02/2021	21:00	0.9	112.5
17/02/2021	22:00	0.9	112.5	18/02/2021	22:00	1.3	135	19/02/2021	22:00	0.4	135	20/02/2021	22:00	0.9	112.5
17/02/2021	23:00	0.9	112.5	18/02/2021	23:00	1.3	135	19/02/2021	23:00	0.9	135	20/02/2021	23:00	0.9	67.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
21/02/2021	0:00	1.3	112.5	22/02/2021	0:00	1.3	90	23/02/2021	0:00	1.3	112.5	24/02/2021	0:00	0.9	135
21/02/2021	1:00	1.8	112.5	22/02/2021	1:00	1.8	45	23/02/2021	1:00	0.9	90	24/02/2021	1:00	0.9	135
21/02/2021	2:00	1.3	112.5	22/02/2021	2:00	2.2	67.5	23/02/2021	2:00	0.9	90	24/02/2021	2:00	1.3	135
21/02/2021	3:00	1.8	112.5	22/02/2021	3:00	1.3	67.5	23/02/2021	3:00	1.3	112.5	24/02/2021	3:00	1.3	135
21/02/2021	4:00	1.8	90	22/02/2021	4:00	1.8	67.5	23/02/2021	4:00	1.8	112.5	24/02/2021	4:00	0.9	135
21/02/2021	5:00	1.8	90	22/02/2021	5:00	1.3	45	23/02/2021	5:00	1.3	112.5	24/02/2021	5:00	0.9	135
21/02/2021	6:00	1.8	112.5	22/02/2021	6:00	1.8	67.5	23/02/2021	6:00	1.3	112.5	24/02/2021	6:00	0.9	135
21/02/2021	7:00	1.3	90	22/02/2021	7:00	2.2	0	23/02/2021	7:00	0.9	112.5	24/02/2021	7:00	0.9	112.5
21/02/2021	8:00	0.4	90	22/02/2021	8:00	1.8	67.5	23/02/2021	8:00	0.9	112.5	24/02/2021	8:00	0.9	112.5
21/02/2021	9:00	0.9	112.5	22/02/2021	9:00	1.3	90	23/02/2021	9:00	1.3	112.5	24/02/2021	9:00	0.9	90
21/02/2021	10:00	0.4	112.5	22/02/2021	10:00	1.3	337.5	23/02/2021	10:00	1.3	112.5	24/02/2021	10:00	0.9	112.5
21/02/2021	11:00	0.4	112.5	22/02/2021	11:00	1.3	45	23/02/2021	11:00	1.8	90	24/02/2021	11:00	0.9	112.5
21/02/2021	12:00	0.9	112.5	22/02/2021	12:00	1.3	90	23/02/2021	12:00	0.9	112.5	24/02/2021	12:00	1.3	135
21/02/2021	13:00	0.4	112.5	22/02/2021	13:00	0.9	67.5	23/02/2021	13:00	1.3	112.5	24/02/2021	13:00	0.9	112.5
21/02/2021	14:00	0.4	112.5	22/02/2021	14:00	1.8	90	23/02/2021	14:00	0.9	112.5	24/02/2021	14:00	0.9	135
21/02/2021	15:00	0.9	90	22/02/2021	15:00	0.9	112.5	23/02/2021	15:00	1.3	90	24/02/2021	15:00	1.8	112.5
21/02/2021	16:00	1.8	135	22/02/2021	16:00	0.9	90	23/02/2021	16:00	1.3	135	24/02/2021	16:00	1.3	157.5
21/02/2021	17:00	2.2	135	22/02/2021	17:00	0.9	112.5	23/02/2021	17:00	1.3	135	24/02/2021	17:00	1.3	157.5
21/02/2021	18:00	1.8	135	22/02/2021	18:00	0.9	112.5	23/02/2021	18:00	0.9	112.5	24/02/2021	18:00	0.9	247.5
21/02/2021	19:00	2.2	22.5	22/02/2021	19:00	1.3	247.5	23/02/2021	19:00	0.9	112.5	24/02/2021	19:00	1.3	270
21/02/2021	20:00	2.2	292.5	22/02/2021	20:00	1.8	315	23/02/2021	20:00	0.9	112.5	24/02/2021	20:00	0.9	270
21/02/2021	21:00	3.1	225	22/02/2021	21:00	1.3	247.5	23/02/2021	21:00	0.9	112.5	24/02/2021	21:00	0.9	270
21/02/2021	22:00	2.7	112.5	22/02/2021	22:00	0.9	247.5	23/02/2021	22:00	0.9	112.5	24/02/2021	22:00	0.4	270
21/02/2021	23:00	1.8	90	22/02/2021	23:00	0.9	247.5	23/02/2021	23:00	0.9	112.5	24/02/2021	23:00	0.4	270

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
25/02/2021	0:00	0	270	26/02/2021	0:00	1.3	45	27/02/2021	0:00	2.7	90	28/02/2021	0:00	0.9	112.5
25/02/2021	1:00	0	270	26/02/2021	1:00	1.3	67.5	27/02/2021	1:00	2.2	90	28/02/2021	1:00	0.4	67.5
25/02/2021	2:00	0.4	292.5	26/02/2021	2:00	1.3	337.5	27/02/2021	2:00	1.8	112.5	28/02/2021	2:00	0.4	112.5
25/02/2021	3:00	0.4	292.5	26/02/2021	3:00	1.3	45	27/02/2021	3:00	1.8	90	28/02/2021	3:00	0.9	337.5
25/02/2021	4:00	0.4	337.5	26/02/2021	4:00	1.3	67.5	27/02/2021	4:00	1.8	67.5	28/02/2021	4:00	0.9	135
25/02/2021	5:00	0.9	337.5	26/02/2021	5:00	1.3	337.5	27/02/2021	5:00	1.3	112.5	28/02/2021	5:00	0.4	135
25/02/2021	6:00	0.4	337.5	26/02/2021	6:00	1.3	112.5	27/02/2021	6:00	1.8	45	28/02/2021	6:00	0.9	135
25/02/2021	7:00	0.4	337.5	26/02/2021	7:00	1.3	45	27/02/2021	7:00	1.8	90	28/02/2021	7:00	0.9	135
25/02/2021	8:00	0.4	337.5	26/02/2021	8:00	0.9	112.5	27/02/2021	8:00	1.3	45	28/02/2021	8:00	1.3	45
25/02/2021	9:00	0.4	135	26/02/2021	9:00	0.4	67.5	27/02/2021	9:00	1.3	67.5	28/02/2021	9:00	1.3	112.5
25/02/2021	10:00	0.4	135	26/02/2021	10:00	0.4	112.5	27/02/2021	10:00	1.8	45	28/02/2021	10:00	0.9	90
25/02/2021	11:00	1.3	112.5	26/02/2021	11:00	0.4	67.5	27/02/2021	11:00	1.3	67.5	28/02/2021	11:00	1.3	112.5
25/02/2021	12:00	1.3	112.5	26/02/2021	12:00	0.4	292.5	27/02/2021	12:00	1.8	90	28/02/2021	12:00	1.8	90
25/02/2021	13:00	1.3	112.5	26/02/2021	13:00	0.9	202.5	27/02/2021	13:00	1.3	22.5	28/02/2021	13:00	1.3	112.5
25/02/2021	14:00	0.4	90	26/02/2021	14:00	1.3	90	27/02/2021	14:00	0.9	22.5	28/02/2021	14:00	0.9	90
25/02/2021	15:00	0.4	90	26/02/2021	15:00	1.3	135	27/02/2021	15:00	1.3	157.5	28/02/2021	15:00	0.9	112.5
25/02/2021	16:00	0.4	112.5	26/02/2021	16:00	1.8	157.5	27/02/2021	16:00	0.9	180	28/02/2021	16:00	0.9	112.5
25/02/2021	17:00	0.4	112.5	26/02/2021	17:00	1.3	67.5	27/02/2021	17:00	0.4	112.5	28/02/2021	17:00	0.4	112.5
25/02/2021	18:00	0.9	135	26/02/2021	18:00	1.3	90	27/02/2021	18:00	0.4	90	28/02/2021	18:00	0.9	112.5
25/02/2021	19:00	0.9	112.5	26/02/2021	19:00	1.8	337.5	27/02/2021	19:00	0.4	90	28/02/2021	19:00	1.3	112.5
25/02/2021	20:00	0.4	90	26/02/2021	20:00	1.8	67.5	27/02/2021	20:00	0.9	112.5	28/02/2021	20:00	0.9	112.5
25/02/2021	21:00	1.8	247.5	26/02/2021	21:00	2.2	90	27/02/2021	21:00	1.3	112.5	28/02/2021	21:00	0.9	90
25/02/2021	22:00	0.9	90	26/02/2021	22:00	2.2	112.5	27/02/2021	22:00	1.3	112.5	28/02/2021	22:00	1.3	112.5
25/02/2021	23:00	1.8	22.5	26/02/2021	23:00	1.3	112.5	27/02/2021	23:00	0.9	112.5	28/02/2021	23:00	1.3	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
01/03/2021	0:00	1.3	0	02/03/2021	0:00	1.3	0	03/03/2021	0:00	1.3	90	04/03/2021	0:00	1.3	112.5
01/03/2021	1:00	1.8	90	02/03/2021	1:00	0.9	0	03/03/2021	1:00	1.3	112.5	04/03/2021	1:00	0.9	112.5
01/03/2021	2:00	1.3	67.5	02/03/2021	2:00	1.3	90	03/03/2021	2:00	0.9	112.5	04/03/2021	2:00	0.9	90
01/03/2021	3:00	1.3	247.5	02/03/2021	3:00	1.3	22.5	03/03/2021	3:00	1.3	22.5	04/03/2021	3:00	0.9	112.5
01/03/2021	4:00	0.9	247.5	02/03/2021	4:00	0.9	67.5	03/03/2021	4:00	1.8	90	04/03/2021	4:00	0.9	112.5
01/03/2021	5:00	0.4	225	02/03/2021	5:00	1.3	112.5	03/03/2021	5:00	1.8	90	04/03/2021	5:00	1.8	45
01/03/2021	6:00	1.3	112.5	02/03/2021	6:00	0.9	135	03/03/2021	6:00	2.2	112.5	04/03/2021	6:00	1.3	67.5
01/03/2021	7:00	1.3	45	02/03/2021	7:00	0.4	90	03/03/2021	7:00	1.3	112.5	04/03/2021	7:00	1.3	67.5
01/03/2021	8:00	0.9	0	02/03/2021	8:00	0.4	135	03/03/2021	8:00	2.2	112.5	04/03/2021	8:00	1.3	90
01/03/2021	9:00	0.4	90	02/03/2021	9:00	0.9	22.5	03/03/2021	9:00	1.8	112.5	04/03/2021	9:00	0.9	90
01/03/2021	10:00	0.9	112.5	02/03/2021	10:00	0.9	90	03/03/2021	10:00	2.7	45	04/03/2021	10:00	1.3	90
01/03/2021	11:00	1.3	90	02/03/2021	11:00	0.4	135	03/03/2021	11:00	1.8	67.5	04/03/2021	11:00	0.9	90
01/03/2021	12:00	2.2	90	02/03/2021	12:00	0.9	112.5	03/03/2021	12:00	1.3	45	04/03/2021	12:00	0.4	22.5
01/03/2021	13:00	2.7	90	02/03/2021	13:00	1.3	90	03/03/2021	13:00	1.8	112.5	04/03/2021	13:00	0.9	337.5
01/03/2021	14:00	2.7	112.5	02/03/2021	14:00	0.9	112.5	03/03/2021	14:00	1.3	112.5	04/03/2021	14:00	0.9	45
01/03/2021	15:00	2.7	90	02/03/2021	15:00	0.9	67.5	03/03/2021	15:00	1.8	45	04/03/2021	15:00	0.4	157.5
01/03/2021	16:00	2.2	90	02/03/2021	16:00	1.3	22.5	03/03/2021	16:00	1.8	45	04/03/2021	16:00	1.3	112.5
01/03/2021	17:00	0.9	112.5	02/03/2021	17:00	0.4	90	03/03/2021	17:00	0.9	90	04/03/2021	17:00	1.3	90
01/03/2021	18:00	1.3	90	02/03/2021	18:00	0.9	0	03/03/2021	18:00	0.9	90	04/03/2021	18:00	1.3	90
01/03/2021	19:00	0.9	90	02/03/2021	19:00	0.9	45	03/03/2021	19:00	0.9	112.5	04/03/2021	19:00	0.4	45
01/03/2021	20:00	0.9	90	02/03/2021	20:00	1.3	45	03/03/2021	20:00	1.3	112.5	04/03/2021	20:00	0.4	135
01/03/2021	21:00	0.4	112.5	02/03/2021	21:00	0.9	22.5	03/03/2021	21:00	0.9	112.5	04/03/2021	21:00	0.9	112.5
01/03/2021	22:00	0.9	112.5	02/03/2021	22:00	1.3	22.5	03/03/2021	22:00	1.3	135	04/03/2021	22:00	1.3	112.5
01/03/2021	23:00	0.9	112.5	02/03/2021	23:00	1.3	22.5	03/03/2021	23:00	1.3	135	04/03/2021	23:00	0.9	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
05/03/2021	0:00	1.3	112.5	06/03/2021	0:00	1.3	90	07/03/2021	0:00	0.4	22.5	08/03/2021	0:00	1.3	90
05/03/2021	1:00	0.4	112.5	06/03/2021	1:00	0.9	135	07/03/2021	1:00	0.4	247.5	08/03/2021	1:00	1.3	45
05/03/2021	2:00	0.9	112.5	06/03/2021	2:00	1.3	90	07/03/2021	2:00	0.9	180	08/03/2021	2:00	0.9	0
05/03/2021	3:00	0.4	90	06/03/2021	3:00	1.3	112.5	07/03/2021	3:00	1.3	45	08/03/2021	3:00	0.4	0
05/03/2021	4:00	0.9	22.5	06/03/2021	4:00	0.9	90	07/03/2021	4:00	0.9	135	08/03/2021	4:00	0.9	0
05/03/2021	5:00	0.4	337.5	06/03/2021	5:00	1.3	90	07/03/2021	5:00	1.8	45	08/03/2021	5:00	1.3	90
05/03/2021	6:00	0.4	112.5	06/03/2021	6:00	0.9	112.5	07/03/2021	6:00	0.9	67.5	08/03/2021	6:00	0.4	337.5
05/03/2021	7:00	0.4	22.5	06/03/2021	7:00	0.9	112.5	07/03/2021	7:00	1.8	45	08/03/2021	7:00	0.9	337.5
05/03/2021	8:00	0.9	135	06/03/2021	8:00	1.3	90	07/03/2021	8:00	1.3	45	08/03/2021	8:00	1.9	90
05/03/2021	9:00	1.3	112.5	06/03/2021	9:00	0.9	112.5	07/03/2021	9:00	0.9	90	08/03/2021	9:00	1.8	67.5
05/03/2021	10:00	1.3	112.5	06/03/2021	10:00	1.8	90	07/03/2021	10:00	1.3	45	08/03/2021	10:00	1.8	67.5
05/03/2021	11:00	1.3	112.5	06/03/2021	11:00	0.9	112.5	07/03/2021	11:00	1.3	45	08/03/2021	11:00	1.3	45
05/03/2021	12:00	0.4	112.5	06/03/2021	12:00	0.9	135	07/03/2021	12:00	1.3	45	08/03/2021	12:00	1.8	90
05/03/2021	13:00	1.3	112.5	06/03/2021	13:00	1.3	90	07/03/2021	13:00	0.4	22.5	08/03/2021	13:00	2.2	112.5
05/03/2021	14:00	0.9	112.5	06/03/2021	14:00	1.3	90	07/03/2021	14:00	0.4	270	08/03/2021	14:00	2.2	90
05/03/2021	15:00	0.9	112.5	06/03/2021	15:00	0.9	112.5	07/03/2021	15:00	0.9	22.5	08/03/2021	15:00	1.8	45
05/03/2021	16:00	1.3	112.5	06/03/2021	16:00	0.9	135	07/03/2021	16:00	0.4	90	08/03/2021	16:00	0.9	135
05/03/2021	17:00	1.8	112.5	06/03/2021	17:00	1.3	112.5	07/03/2021	17:00	0.4	337.5	08/03/2021	17:00	1.3	337.5
05/03/2021	18:00	0.4	270	06/03/2021	18:00	0.9	90	07/03/2021	18:00	0.4	90	08/03/2021	18:00	1.3	90
05/03/2021	19:00	0.9	112.5	06/03/2021	19:00	0.9	135	07/03/2021	19:00	0	90	08/03/2021	19:00	1.3	90
05/03/2021	20:00	1.3	90	06/03/2021	20:00	1.3	135	07/03/2021	20:00	0.9	337.5	08/03/2021	20:00	0.9	90
05/03/2021	21:00	0.4	0	06/03/2021	21:00	0.9	135	07/03/2021	21:00	0.9	67.5	08/03/2021	21:00	1.3	90
05/03/2021	22:00	0.9	90	06/03/2021	22:00	0.9	112.5	07/03/2021	22:00	0.4	0	08/03/2021	22:00	0.9	112.5
05/03/2021	23:00	1.3	90	06/03/2021	23:00	1.3	112.5	07/03/2021	23:00	0.4	45	08/03/2021	23:00	0.4	90

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
09/03/2021	0:00	0.9	0	10/03/2021	0:00	0.9	45	11/03/2021	0:00	2.2	45	12/03/2021	0:00	0	112.5
09/03/2021	1:00	0.9	90	10/03/2021	1:00	1.3	112.5	11/03/2021	1:00	2.7	67.5	12/03/2021	1:00	0	45
09/03/2021	2:00	1.8	67.5	10/03/2021	2:00	1.3	112.5	11/03/2021	2:00	2.2	45	12/03/2021	2:00	0.4	337.5
09/03/2021	3:00	1.3	292.5	10/03/2021	3:00	1.8	90	11/03/2021	3:00	1.8	45	12/03/2021	3:00	0.4	135
09/03/2021	4:00	1.8	90	10/03/2021	4:00	2.2	45	11/03/2021	4:00	1.3	0	12/03/2021	4:00	0.4	337.5
09/03/2021	5:00	2.2	45	10/03/2021	5:00	2.2	90	11/03/2021	5:00	1.3	67.5	12/03/2021	5:00	0.4	90
09/03/2021	6:00	2.2	45	10/03/2021	6:00	3.1	67.5	11/03/2021	6:00	1.8	90	12/03/2021	6:00	0.9	180
09/03/2021	7:00	0.9	112.5	10/03/2021	7:00	1.8	135	11/03/2021	7:00	1.3	67.5	12/03/2021	7:00	0	112.5
09/03/2021	8:00	0.9	67.5	10/03/2021	8:00	1.3	112.5	11/03/2021	8:00	0.9	157.5	12/03/2021	8:00	0.4	180
09/03/2021	9:00	1.3	45	10/03/2021	9:00	2.7	45	11/03/2021	9:00	2.2	90	12/03/2021	9:00	0.4	135
09/03/2021	10:00	0.9	67.5	10/03/2021	10:00	1.3	337.5	11/03/2021	10:00	0.9	315	12/03/2021	10:00	0.4	180
09/03/2021	11:00	0.4	112.5	10/03/2021	11:00	2.7	45	11/03/2021	11:00	1.3	90	12/03/2021	11:00	1.8	90
09/03/2021	12:00	0.9	0	10/03/2021	12:00	2.7	45	11/03/2021	12:00	1.8	135	12/03/2021	12:00	1.8	90
09/03/2021	13:00	0.9	270	10/03/2021	13:00	3.1	90	11/03/2021	13:00	1.3	90	12/03/2021	13:00	1.3	90
09/03/2021	14:00	0.9	90	10/03/2021	14:00	2.2	67.5	11/03/2021	14:00	1.3	135	12/03/2021	14:00	1.8	90
09/03/2021	15:00	0.9	45	10/03/2021	15:00	2.2	67.5	11/03/2021	15:00	0.9	112.5	12/03/2021	15:00	1.3	112.5
09/03/2021	16:00	1.3	112.5	10/03/2021	16:00	1.3	135	11/03/2021	16:00	0.9	90	12/03/2021	16:00	0.4	135
09/03/2021	17:00	1.3	90	10/03/2021	17:00	1.8	90	11/03/2021	17:00	1.3	112.5	12/03/2021	17:00	1.3	112.5
09/03/2021	18:00	0.9	67.5	10/03/2021	18:00	1.3	90	11/03/2021	18:00	0.4	45	12/03/2021	18:00	0.9	112.5
09/03/2021	19:00	0	112.5	10/03/2021	19:00	1.3	45	11/03/2021	19:00	0.4	135	12/03/2021	19:00	0.4	112.5
09/03/2021	20:00	0.9	45	10/03/2021	20:00	1.8	45	11/03/2021	20:00	0.4	112.5	12/03/2021	20:00	1.3	90
09/03/2021	21:00	0.4	337.5	10/03/2021	21:00	1.8	45	11/03/2021	21:00	0	112.5	12/03/2021	21:00	0.4	90
09/03/2021	22:00	0.9	90	10/03/2021	22:00	2.2	67.5	11/03/2021	22:00	0.4	22.5	12/03/2021	22:00	1.3	90
09/03/2021	23:00	0.9	112.5	10/03/2021	23:00	2.2	67.5	11/03/2021	23:00	0	337.5	12/03/2021	23:00	0.9	90

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
13/03/2021	0:00	0.9	90	14/03/2021	0:00	0.9	0	15/03/2021	0:00	0.9	90	16/03/2021	0:00	0.4	90
13/03/2021	1:00	0.9	112.5	14/03/2021	1:00	0.4	45	15/03/2021	1:00	1.3	90	16/03/2021	1:00	0.4	292.5
13/03/2021	2:00	1.8	67.5	14/03/2021	2:00	0.9	337.5	15/03/2021	2:00	1.3	45	16/03/2021	2:00	0.4	0
13/03/2021	3:00	2.2	67.5	14/03/2021	3:00	1.3	45	15/03/2021	3:00	1.3	0	16/03/2021	3:00	0.9	112.5
13/03/2021	4:00	2.2	270	14/03/2021	4:00	0.9	315	15/03/2021	4:00	0.9	22.5	16/03/2021	4:00	0.9	112.5
13/03/2021	5:00	1.8	22.5	14/03/2021	5:00	1.3	90	15/03/2021	5:00	0.9	0	16/03/2021	5:00	0.4	135
13/03/2021	6:00	1.8	67.5	14/03/2021	6:00	0.9	270	15/03/2021	6:00	0.9	22.5	16/03/2021	6:00	0.4	45
13/03/2021	7:00	1.3	45	14/03/2021	7:00	0.4	0	15/03/2021	7:00	0.4	22.5	16/03/2021	7:00	0.4	112.5
13/03/2021	8:00	1.3	67.5	14/03/2021	8:00	0.9	45	15/03/2021	8:00	0.4	315	16/03/2021	8:00	0.4	135
13/03/2021	9:00	1.8	90	14/03/2021	9:00	1.3	135	15/03/2021	9:00	0.9	112.5	16/03/2021	9:00	0.4	112.5
13/03/2021	10:00	2.2	90	14/03/2021	10:00	1.3	90	15/03/2021	10:00	1.3	90	16/03/2021	10:00	0.9	90
13/03/2021	11:00	1.8	112.5	14/03/2021	11:00	0.9	157.5	15/03/2021	11:00	1.3	135	16/03/2021	11:00	0.4	90
13/03/2021	12:00	1.3	90	14/03/2021	12:00	0.9	337.5	15/03/2021	12:00	1.3	90	16/03/2021	12:00	1.3	112.5
13/03/2021	13:00	1.8	112.5	14/03/2021	13:00	1.3	90	15/03/2021	13:00	1.8	90	16/03/2021	13:00	1.3	112.5
13/03/2021	14:00	1.3	90	14/03/2021	14:00	0.9	90	15/03/2021	14:00	1.8	90	16/03/2021	14:00	1.3	112.5
13/03/2021	15:00	1.3	112.5	14/03/2021	15:00	0.9	67.5	15/03/2021	15:00	0.4	135	16/03/2021	15:00	0.9	90
13/03/2021	16:00	1.8	90	14/03/2021	16:00	0.9	315	15/03/2021	16:00	0.9	112.5	16/03/2021	16:00	1.3	90
13/03/2021	17:00	1.8	112.5	14/03/2021	17:00	0.9	270	15/03/2021	17:00	0.9	135	16/03/2021	17:00	0.9	135
13/03/2021	18:00	0.9	0	14/03/2021	18:00	1.3	90	15/03/2021	18:00	1.3	90	16/03/2021	18:00	1.3	90
13/03/2021	19:00	0.9	315	14/03/2021	19:00	0.9	90	15/03/2021	19:00	0.4	90	16/03/2021	19:00	1.3	90
13/03/2021	20:00	0.9	45	14/03/2021	20:00	1.3	67.5	15/03/2021	20:00	0.9	90	16/03/2021	20:00	0.9	90
13/03/2021	21:00	0.4	45	14/03/2021	21:00	1.8	67.5	15/03/2021	21:00	0.9	112.5	16/03/2021	21:00	0.4	90
13/03/2021	22:00	1.3	112.5	14/03/2021	22:00	0.4	45	15/03/2021	22:00	0.9	135	16/03/2021	22:00	0.4	0
13/03/2021	23:00	0.4	22.5	14/03/2021	23:00	0.9	135	15/03/2021	23:00	0.4	45	16/03/2021	23:00	0	135

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
17/03/2021	0:00	0.4	90	18/03/2021	0:00	0.9	135	19/03/2021	0:00	0.4	157.5	20/03/2021	0:00	1.3	90
17/03/2021	1:00	0.9	90	18/03/2021	1:00	0.9	90	19/03/2021	1:00	0.9	112.5	20/03/2021	1:00	0.9	135
17/03/2021	2:00	1.3	90	18/03/2021	2:00	0.9	112.5	19/03/2021	2:00	0	90	20/03/2021	2:00	0.4	90
17/03/2021	3:00	0.4	112.5	18/03/2021	3:00	0.4	112.5	19/03/2021	3:00	0.9	0	20/03/2021	3:00	0.4	135
17/03/2021	4:00	0.9	90	18/03/2021	4:00	0.9	270	19/03/2021	4:00	0.4	337.5	20/03/2021	4:00	0.9	90
17/03/2021	5:00	0.4	135	18/03/2021	5:00	0.4	157.5	19/03/2021	5:00	0.4	67.5	20/03/2021	5:00	1.3	90
17/03/2021	6:00	0.4	135	18/03/2021	6:00	0.9	157.5	19/03/2021	6:00	0.9	112.5	20/03/2021	6:00	0.4	112.5
17/03/2021	7:00	0.4	90	18/03/2021	7:00	1.3	90	19/03/2021	7:00	1.3	315	20/03/2021	7:00	0.4	90
17/03/2021	8:00	0.4	112.5	18/03/2021	8:00	1.3	45	19/03/2021	8:00	1.3	90	20/03/2021	8:00	0.4	112.5
17/03/2021	9:00	0.9	112.5	18/03/2021	9:00	1.8	67.5	19/03/2021	9:00	1.3	90	20/03/2021	9:00	0.4	90
17/03/2021	10:00	1.3	90	18/03/2021	10:00	1.8	202.5	19/03/2021	10:00	0.9	112.5	20/03/2021	10:00	1.3	135
17/03/2021	11:00	1.8	112.5	18/03/2021	11:00	0.9	45	19/03/2021	11:00	0.9	45	20/03/2021	11:00	0.9	90
17/03/2021	12:00	1.3	90	18/03/2021	12:00	1.3	0	19/03/2021	12:00	1.3	90	20/03/2021	12:00	1.3	90
17/03/2021	13:00	1.8	90	18/03/2021	13:00	0.9	135	19/03/2021	13:00	1.8	112.5	20/03/2021	13:00	1.3	90
17/03/2021	14:00	2.2	90	18/03/2021	14:00	0.9	90	19/03/2021	14:00	2.2	90	20/03/2021	14:00	0.9	112.5
17/03/2021	15:00	1.8	90	18/03/2021	15:00	0.9	90	19/03/2021	15:00	1.8	112.5	20/03/2021	15:00	0.9	135
17/03/2021	16:00	2.2	90	18/03/2021	16:00	0.9	67.5	19/03/2021	16:00	1.8	90	20/03/2021	16:00	1.3	112.5
17/03/2021	17:00	1.3	112.5	18/03/2021	17:00	0.4	22.5	19/03/2021	17:00	1.3	112.5	20/03/2021	17:00	0.9	90
17/03/2021	18:00	0.9	112.5	18/03/2021	18:00	0.9	45	19/03/2021	18:00	0.9	90	20/03/2021	18:00	0.4	112.5
17/03/2021	19:00	0.9	90	18/03/2021	19:00	0.4	112.5	19/03/2021	19:00	0.9	90	20/03/2021	19:00	0.9	135
17/03/2021	20:00	1.3	90	18/03/2021	20:00	0.9	135	19/03/2021	20:00	0.4	90	20/03/2021	20:00	0.4	135
17/03/2021	21:00	0.4	45	18/03/2021	21:00	0.4	90	19/03/2021	21:00	0.9	45	20/03/2021	21:00	0.9	90
17/03/2021	22:00	1.3	45	18/03/2021	22:00	0	270	19/03/2021	22:00	0.4	157.5	20/03/2021	22:00	0	90
17/03/2021	23:00	0.4	90	18/03/2021	23:00	0	90	19/03/2021	23:00	0.4	157.5	20/03/2021	23:00	0.4	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
21/03/2021	0:00	0.4	90	22/03/2021	0:00	0.9	270	23/03/2021	0:00	0.9	0	24/03/2021	0:00	0.4	315
21/03/2021	1:00	0.4	90	22/03/2021	1:00	0.9	0	23/03/2021	1:00	1.3	0	24/03/2021	1:00	0.9	22.5
21/03/2021	2:00	1.3	157.5	22/03/2021	2:00	0.9	0	23/03/2021	2:00	0.9	22.5	24/03/2021	2:00	0.4	22.5
21/03/2021	3:00	1.3	90	22/03/2021	3:00	1.3	22.5	23/03/2021	3:00	0.9	0	24/03/2021	3:00	0.4	225
21/03/2021	4:00	0.4	157.5	22/03/2021	4:00	0.4	157.5	23/03/2021	4:00	1.3	0	24/03/2021	4:00	0.4	337.5
21/03/2021	5:00	0.4	112.5	22/03/2021	5:00	0.9	22.5	23/03/2021	5:00	0.9	337.5	24/03/2021	5:00	0	337.5
21/03/2021	6:00	0.9	112.5	22/03/2021	6:00	0.9	315	23/03/2021	6:00	0.9	0	24/03/2021	6:00	0.4	247.5
21/03/2021	7:00	0	135	22/03/2021	7:00	0.9	337.5	23/03/2021	7:00	1.3	45	24/03/2021	7:00	0.4	0
21/03/2021	8:00	0	22.5	22/03/2021	8:00	1.3	0	23/03/2021	8:00	1.3	90	24/03/2021	8:00	0.9	22.5
21/03/2021	9:00	0.9	0	22/03/2021	9:00	0.9	22.5	23/03/2021	9:00	1.8	22.5	24/03/2021	9:00	0.4	247.5
21/03/2021	10:00	1.3	45	22/03/2021	10:00	0.4	45	23/03/2021	10:00	1.8	315	24/03/2021	10:00	0.4	135
21/03/2021	11:00	1.3	0	22/03/2021	11:00	0.4	0	23/03/2021	11:00	1.3	0	24/03/2021	11:00	0.4	135
21/03/2021	12:00	0.4	22.5	22/03/2021	12:00	1.3	22.5	23/03/2021	12:00	1.3	90	24/03/2021	12:00	0.4	157.5
21/03/2021	13:00	1.3	67.5	22/03/2021	13:00	0.9	0	23/03/2021	13:00	0.9	112.5	24/03/2021	13:00	1.3	135
21/03/2021	14:00	1.3	67.5	22/03/2021	14:00	0.9	0	23/03/2021	14:00	0.4	112.5	24/03/2021	14:00	0.9	90
21/03/2021	15:00	0.9	0	22/03/2021	15:00	1.3	22.5	23/03/2021	15:00	0.9	90	24/03/2021	15:00	1.3	90
21/03/2021	16:00	0.9	315	22/03/2021	16:00	0.9	45	23/03/2021	16:00	0.9	0	24/03/2021	16:00	0.4	90
21/03/2021	17:00	0.9	247.5	22/03/2021	17:00	0.9	22.5	23/03/2021	17:00	0.9	22.5	24/03/2021	17:00	0	270
21/03/2021	18:00	0.9	292.5	22/03/2021	18:00	0.4	0	23/03/2021	18:00	0.4	90	24/03/2021	18:00	0.4	247.5
21/03/2021	19:00	1.3	0	22/03/2021	19:00	0.9	0	23/03/2021	19:00	0.4	22.5	24/03/2021	19:00	1.3	225
21/03/2021	20:00	1.3	90	22/03/2021	20:00	1.3	45	23/03/2021	20:00	0.4	337.5	24/03/2021	20:00	0.4	225
21/03/2021	21:00	0.9	270	22/03/2021	21:00	1.3	337.5	23/03/2021	21:00	0.4	112.5	24/03/2021	21:00	0	247.5
21/03/2021	22:00	0.4	157.5	22/03/2021	22:00	1.3	67.5	23/03/2021	22:00	0.4	45	24/03/2021	22:00	0.4	112.5
21/03/2021	23:00	0.4	0	22/03/2021	23:00	1.3	22.5	23/03/2021	23:00	0.4	112.5	24/03/2021	23:00	0.9	247.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
25/03/2021	0:00	0.4	292.5	26/03/2021	0:00	1.3	45	27/03/2021	0:00	0.4	112.5	28/03/2021	0:00	0.4	90
25/03/2021	1:00	1.3	112.5	26/03/2021	1:00	1.8	45	27/03/2021	1:00	0.4	135	28/03/2021	1:00	0.9	90
25/03/2021	2:00	0.4	112.5	26/03/2021	2:00	2.7	67.5	27/03/2021	2:00	0.9	45	28/03/2021	2:00	1.3	157.5
25/03/2021	3:00	0.9	90	26/03/2021	3:00	1.8	315	27/03/2021	3:00	0.4	135	28/03/2021	3:00	0.4	90
25/03/2021	4:00	1.3	90	26/03/2021	4:00	2.2	90	27/03/2021	4:00	0.4	135	28/03/2021	4:00	1.3	292.5
25/03/2021	5:00	0.4	112.5	26/03/2021	5:00	2.2	45	27/03/2021	5:00	1.3	22.5	28/03/2021	5:00	0	112.5
25/03/2021	6:00	1.3	90	26/03/2021	6:00	2.2	112.5	27/03/2021	6:00	1.3	67.5	28/03/2021	6:00	0.4	135
25/03/2021	7:00	1.3	90	26/03/2021	7:00	1.3	45	27/03/2021	7:00	0.9	112.5	28/03/2021	7:00	0.9	135
25/03/2021	8:00	0.9	67.5	26/03/2021	8:00	1.3	90	27/03/2021	8:00	0.9	135	28/03/2021	8:00	0.4	270
25/03/2021	9:00	1.3	45	26/03/2021	9:00	1.8	135	27/03/2021	9:00	0.9	315	28/03/2021	9:00	0.9	135
25/03/2021	10:00	0.9	112.5	26/03/2021	10:00	2.2	45	27/03/2021	10:00	0.9	135	28/03/2021	10:00	1.3	45
25/03/2021	11:00	1.8	112.5	26/03/2021	11:00	1.3	135	27/03/2021	11:00	1.3	90	28/03/2021	11:00	1.8	247.5
25/03/2021	12:00	1.8	112.5	26/03/2021	12:00	1.3	90	27/03/2021	12:00	0.9	67.5	28/03/2021	12:00	1.3	225
25/03/2021	13:00	2.2	90	26/03/2021	13:00	1.3	112.5	27/03/2021	13:00	1.3	90	28/03/2021	13:00	1.8	225
25/03/2021	14:00	1.8	112.5	26/03/2021	14:00	0.9	90	27/03/2021	14:00	1.3	112.5	28/03/2021	14:00	1.3	270
25/03/2021	15:00	2.7	90	26/03/2021	15:00	0.9	135	27/03/2021	15:00	0.9	90	28/03/2021	15:00	1.3	247.5
25/03/2021	16:00	1.3	67.5	26/03/2021	16:00	1.3	112.5	27/03/2021	16:00	1.3	112.5	28/03/2021	16:00	0.9	270
25/03/2021	17:00	1.8	112.5	26/03/2021	17:00	1.3	180	27/03/2021	17:00	0.9	90	28/03/2021	17:00	0.4	247.5
25/03/2021	18:00	1.3	112.5	26/03/2021	18:00	1.3	0	27/03/2021	18:00	0.9	67.5	28/03/2021	18:00	1.3	135
25/03/2021	19:00	1.8	90	26/03/2021	19:00	0	112.5	27/03/2021	19:00	1.8	22.5	28/03/2021	19:00	0.4	112.5
25/03/2021	20:00	2.2	90	26/03/2021	20:00	1.3	112.5	27/03/2021	20:00	0.4	135	28/03/2021	20:00	0.4	225
25/03/2021	21:00	1.3	90	26/03/2021	21:00	0.4	90	27/03/2021	21:00	0.4	112.5	28/03/2021	21:00	0.9	247.5
25/03/2021	22:00	1.3	135	26/03/2021	22:00	0	112.5	27/03/2021	22:00	1.3	90	28/03/2021	22:00	0.4	247.5
25/03/2021	23:00	0.9	135	26/03/2021	23:00	0.4	112.5	27/03/2021	23:00	0.9	90	28/03/2021	23:00	0.4	180

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

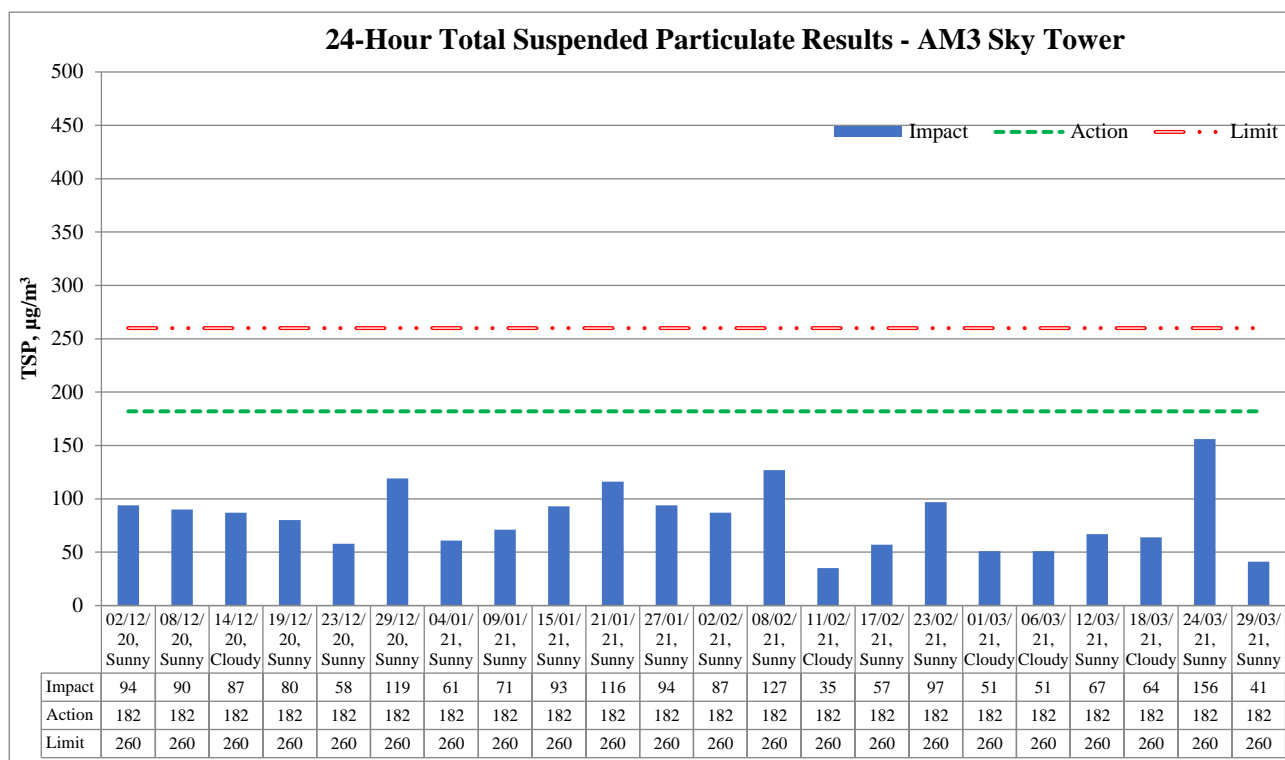
Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
29/03/2021	0:00	0.4	225	30/03/2021	0:00	0	157.5	31/03/2021	0:00	0.9	135				
29/03/2021	1:00	0.9	225	30/03/2021	1:00	0	157.5	31/03/2021	1:00	1.3	112.5				
29/03/2021	2:00	1.3	225	30/03/2021	2:00	0	247.5	31/03/2021	2:00	0.4	90				
29/03/2021	3:00	0.9	225	30/03/2021	3:00	0.4	270	31/03/2021	3:00	0.4	90				
29/03/2021	4:00	0.4	112.5	30/03/2021	4:00	0	292.5	31/03/2021	4:00	0.4	112.5				
29/03/2021	5:00	0.4	247.5	30/03/2021	5:00	0.4	337.5	31/03/2021	5:00	0.4	90				
29/03/2021	6:00	0.4	247.5	30/03/2021	6:00	0.4	112.5	31/03/2021	6:00	0.4	90				
29/03/2021	7:00	1.3	225	30/03/2021	7:00	0.4	112.5	31/03/2021	7:00	0.9	112.5				
29/03/2021	8:00	0.4	270	30/03/2021	8:00	0.4	22.5	31/03/2021	8:00	0.9	112.5				
29/03/2021	9:00	0.4	247.5	30/03/2021	9:00	1.3	112.5	31/03/2021	9:00	1.3	0				
29/03/2021	10:00	0.4	90	30/03/2021	10:00	0.4	112.5	31/03/2021	10:00	0.9	22.5				
29/03/2021	11:00	1.3	270	30/03/2021	11:00	0.9	292.5	31/03/2021	11:00	0.4	337.5				
29/03/2021	12:00	1.8	202.5	30/03/2021	12:00	0.9	157.5	31/03/2021	12:00	1.3	22.5				
29/03/2021	13:00	2.2	270	30/03/2021	13:00	0.9	67.5	31/03/2021	13:00	0.4	22.5				
29/03/2021	14:00	0.9	45	30/03/2021	14:00	1.8	22.5	31/03/2021	14:00	0.4	292.5				
29/03/2021	15:00	1.3	270	30/03/2021	15:00	1.3	337.5	31/03/2021	15:00	0.4	0				
29/03/2021	16:00	1.8	270	30/03/2021	16:00	1.3	45	31/03/2021	16:00	0.4	337.5				
29/03/2021	17:00	0.4	22.5	30/03/2021	17:00	1.3	45	31/03/2021	17:00	0.4	337.5				
29/03/2021	18:00	0.9	22.5	30/03/2021	18:00	1.3	90	31/03/2021	18:00	0.4	247.5				
29/03/2021	19:00	1.8	90	30/03/2021	19:00	1.3	112.5	31/03/2021	19:00	0.4	315				
29/03/2021	20:00	0.9	45	30/03/2021	20:00	1.3	112.5	31/03/2021	20:00	0.4	247.5				
29/03/2021	21:00	0.9	135	30/03/2021	21:00	1.3	247.5	31/03/2021	21:00	0.9	0				
29/03/2021	22:00	0.9	180	30/03/2021	22:00	1.3	90	31/03/2021	22:00	0.4	337.5				
29/03/2021	23:00	1.3	112.5	30/03/2021	23:00	0.9	225	31/03/2021	23:00	0.4	315				

Appendix D – Monitoring data and graphical plots

24-hour average TSP

Air Monitoring Station		AM3 – Sky Tower	AM4(A) – The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	AM7 – Hong Kong Children's Hospital
Start Date	Weather	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
2/12/2020	Sunny	94	129	86
8/12/2020	Sunny	90	137	102
14/12/2020	Cloudy	87	107	82
19/12/2020	Sunny	80	127	85
23/12/2020	Sunny	58	65	56
29/12/2020	Sunny	119	146	140
4/1/2021	Sunny	61	95	81
9/1/2021	Sunny	71	NA*	67
15/1/2021	Sunny	93	NA*	77
21/1/2021	Sunny	116	NA*	122
27/1/2021	Sunny	94	85	76
2/2/2021	Sunny	87	137	91
8/2/2021	Sunny	127	132	138
11/2/2021	Cloudy	35	21	23
17/2/2021	Sunny	57	86	73
23/2/2021	Sunny	97	107	100
1/3/2021	Cloudy	51	82	54
6/3/2021	Cloudy	51	59	61
12/3/2021	Sunny	67	110	60
18/3/2021	Cloudy	64	60	54
24/3/2021	Sunny	156	174	161
29/3/2021	Sunny	41	78	40

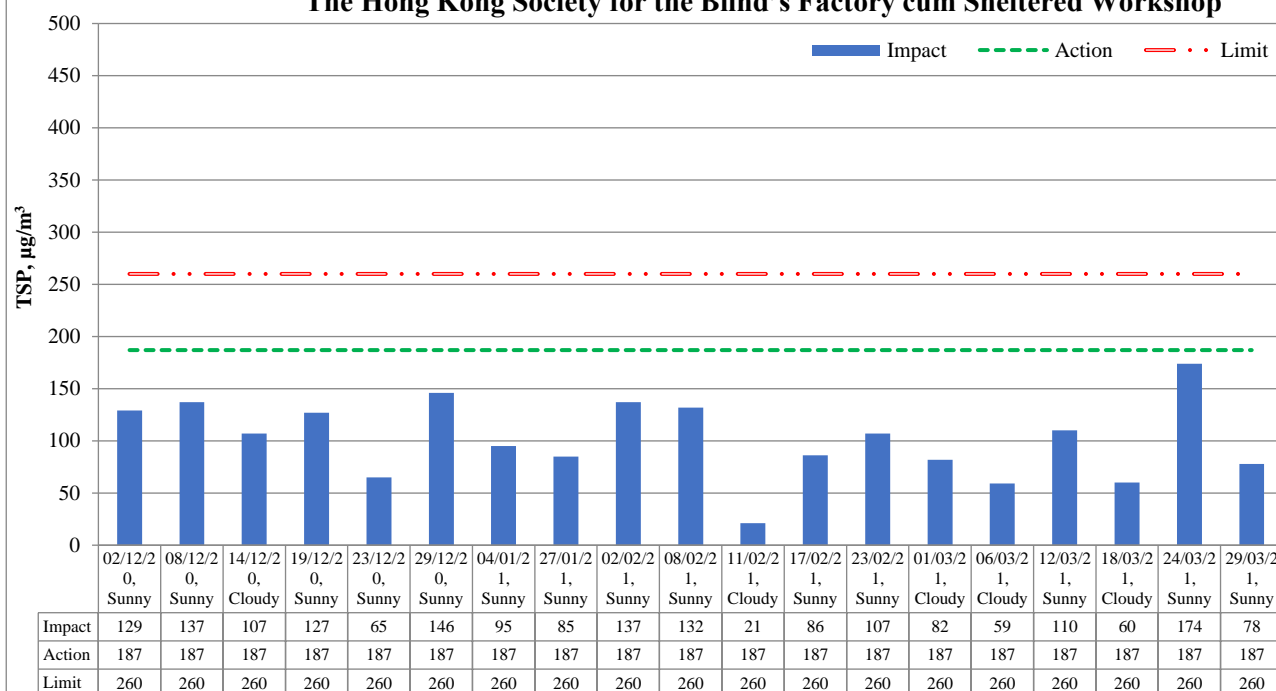
NOTE: *Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [AM4(A) / M11], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted in between.



Major Construction Activities	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Permanent Structure Construction for North Depressed Road	✓			
Ground investigation works	✓			
Excavation for North Approach Ramp	✓			
Construction of base slab and wall for North Approach Ramp	✓			
ELS works for Noise Barrier Foundation	✓			
Noise barrier – Trial pit and utilities diversion	✓			
Metal Scaffolding and Falsework Erection & Dismantling at North Approach Ramp	✓			
Construction of Permanent Structure for Pile Cap	✓			
Elevated landscape deck – Bored pile	✓			
Excavation and ELS for Underpass and South Depressed Road	✓			
Noise barrier - Construction of footings		✓		
District Cooling System seawater intake box culvert - Construction of cofferdam		✓	✓	✓
Landscaped Deck – Construction of bored piles		✓	✓	✓
Construction of base slab and walls of Underpass and South Depressed Road		✓		
North Approach Ramp – Construction of wall, intermediate slab and column		✓	✓	✓
Bridge D3 – Construction of pile cap & pier		✓	✓	✓
North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam		✓	✓	✓
Underpass – Excavation and construction of base slab		✓	✓	✓
South Approach Ramp – Installation of sheet pile and excavation		✓	✓	✓
Lift 3 – Construction of cofferdam for footing		✓	✓	✓
Lift 4 –Excavation for footing				✓
Noise barrier – Installation of steel structure and PMMA panel			✓	✓
South Depressed Road –Excavation and Installation of Lateral Support works				✓

Factors might affect the monitoring results	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

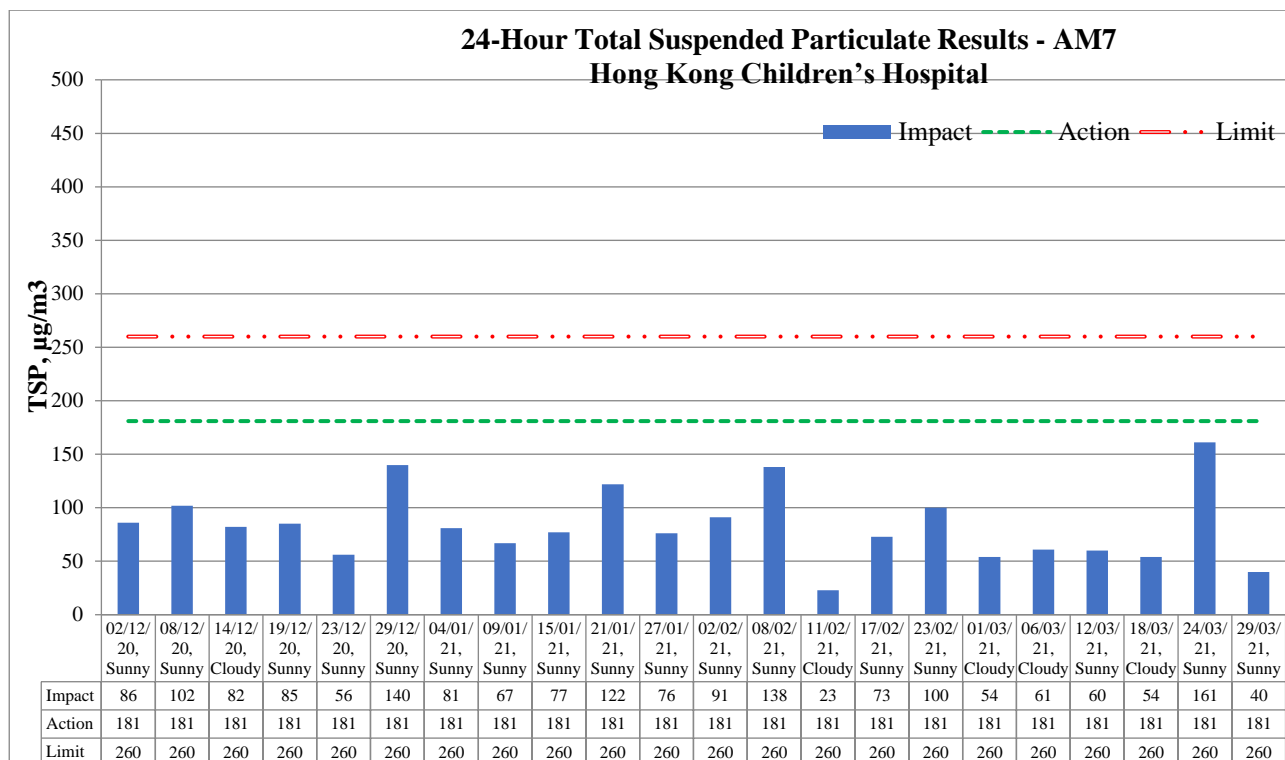
24-Hour Total Suspended Particulate Results - AM4(A)
The Hong Kong Society for the Blind's Factory cum Sheltered Workshop



Major Construction Activities	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Permanent Structure Construction for North Depressed Road	✓			
Ground investigation works	✓			
Excavation for North Approach Ramp	✓			
Construction of base slab and wall for North Approach Ramp	✓			
ELS works for Noise Barrier Foundation	✓			
Noise barrier – Trial pit and utilities diversion	✓			
Metal Scaffolding and Falsework Erection & Dismantling at North Approach Ramp	✓			
Construction of Permanent Structure for Pile Cap	✓			
Elevated landscape deck – Bored pile	✓			
Excavation and ELS for Underpass and South Depressed Road	✓			
Noise barrier - Construction of footings		✓		
District Cooling System seawater intake box culvert - Construction of cofferdam		✓	✓	✓
Landscaped Deck – Construction of bored piles		✓	✓	✓
Construction of base slab and walls of Underpass and South Depressed Road		✓		
North Approach Ramp – Construction of wall, intermediate slab and column		✓	✓	✓
Bridge D3 – Construction of pile cap & pier		✓	✓	✓
North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam		✓	✓	✓
Underpass – Excavation and construction of base slab		✓	✓	✓
South Approach Ramp – Installation of sheet pile and excavation		✓	✓	✓
Lift 3 – Construction of cofferdam for footing		✓	✓	✓
Lift 4 –Excavation for footing				✓
Noise barrier – Installation of steel structure and PMMA panel			✓	✓
South Depressed Road –Excavation and Installation of Lateral Support works				✓

Factors might affect the monitoring results	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

NOTE: Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [AM4(A) / M11], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted in between



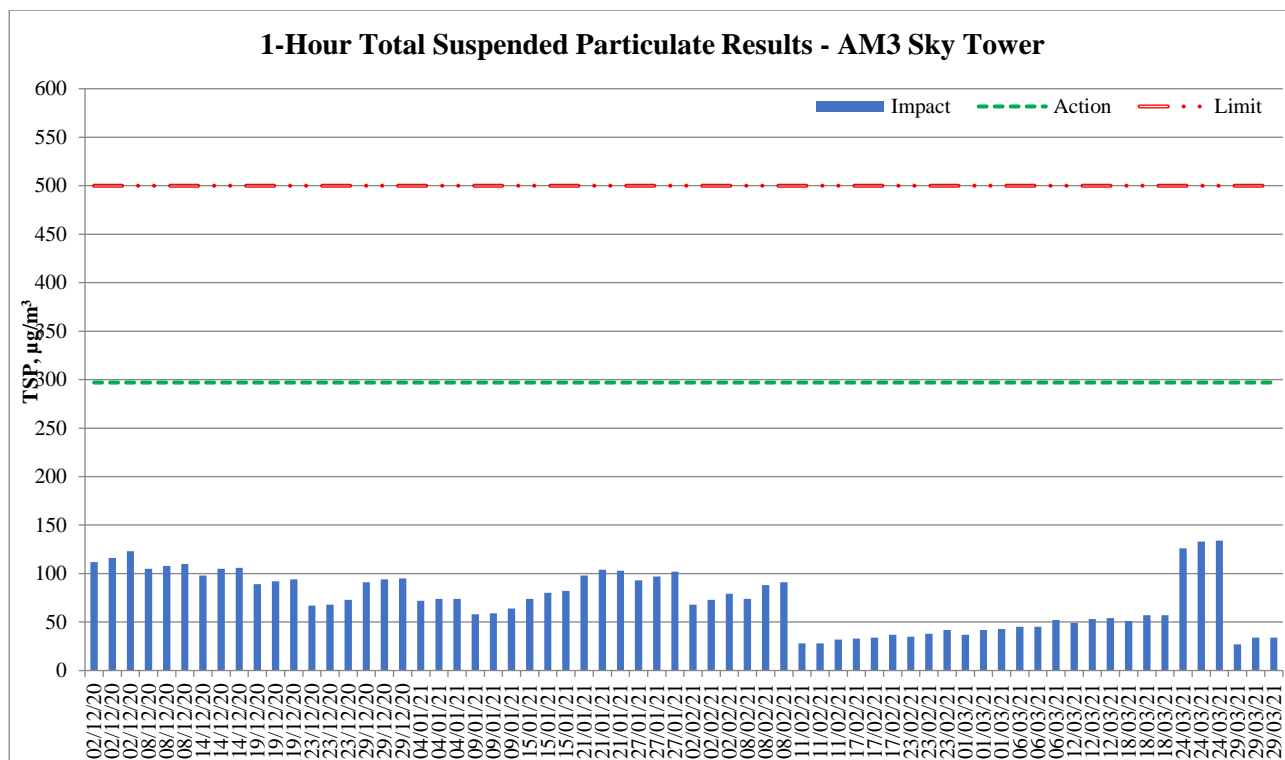
Major Construction Activities	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Permanent Structure Construction for North Depressed Road	✓			
Ground investigation works	✓			
Excavation for North Approach Ramp	✓			
Construction of base slab and wall for North Approach Ramp	✓			
ELS works for Noise Barrier Foundation	✓			
Noise barrier – Trial pit and utilities diversion	✓			
Metal Scaffolding and Falsework Erection & Dismantling at North Approach Ramp	✓			
Construction of Permanent Structure for Pile Cap	✓			
Elevated landscape deck – Bored pile	✓			
Excavation and ELS for Underpass and South Depressed Road	✓			
Noise barrier - Construction of footings		✓		
District Cooling System seawater intake box culvert - Construction of cofferdam		✓	✓	✓
Landscaped Deck – Construction of bored piles		✓	✓	✓
Construction of base slab and walls of Underpass and South Depressed Road		✓		
North Approach Ramp – Construction of wall, intermediate slab and column		✓	✓	✓
Bridge D3 – Construction of pile cap & pier		✓	✓	✓
North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam		✓	✓	✓
Underpass – Excavation and construction of base slab		✓	✓	✓
South Approach Ramp – Installation of sheet pile and excavation		✓	✓	✓
Lift 3 – Construction of cofferdam for footing		✓	✓	✓
Lift 4 –Excavation for footing				✓
Noise barrier – Installation of steel structure and PMMA panel			✓	✓
South Depressed Road –Excavation and Installation of Lateral Support works				✓

Factors might affect the monitoring results	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

1-hour average TSP

Air Monitoring Station				AM3 – Sky Tower	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
2/12/2020	9:00	-	10:00	Sunny	112
2/12/2020	10:00	-	11:00		116
2/12/2020	11:00	-	12:00		123
8/12/2020	13:00	-	14:00	Sunny	105
8/12/2020	14:00	-	15:00		108
8/12/2020	15:00	-	16:00		110
14/12/2020	9:00	-	10:00	Cloudy	98
14/12/2020	10:00	-	11:00		105
14/12/2020	11:00	-	12:00		106
19/12/2020	13:00	-	14:00	Sunny	89
19/12/2020	14:00	-	15:00		92
19/12/2020	15:00	-	16:00		94
23/12/2020	9:00	-	10:00	Sunny	67
23/12/2020	10:00	-	11:00		68
23/12/2020	11:00	-	12:00		73
29/12/2020	13:00	-	14:00	Sunny	91
29/12/2020	14:00	-	15:00		94
29/12/2020	15:00	-	16:00		95
4/1/2021	13:00	-	14:00	Sunny	72
4/1/2021	14:00	-	15:00		74
4/1/2021	15:00	-	16:00		74
9/1/2021	10:00	-	11:00	Sunny	58
9/1/2021	11:00	-	12:00		59
9/1/2021	13:30	-	14:30		64
15/1/2021	9:00	-	10:00	Sunny	74
15/1/2021	10:00	-	11:00		80
15/1/2021	11:00	-	12:00		82
21/1/2021	9:00	-	10:00	Sunny	98
21/1/2021	10:00	-	11:00		104
21/1/2021	11:00	-	12:00		103
27/1/2021	9:00	-	10:00	Sunny	93
27/1/2021	10:00	-	11:00		97
27/1/2021	11:00	-	12:00		102
2/2/2021	9:00	-	10:00	Sunny	68
2/2/2021	10:00	-	11:00		73
2/2/2021	11:00	-	12:00		79
8/2/2021	13:00	-	14:00	Sunny	74
8/2/2021	14:00	-	15:00		88
8/2/2021	15:00	-	16:00		91
11/2/2021	9:00	-	10:00	Cloudy	28
11/2/2021	10:00	-	11:00		28
11/2/2021	11:00	-	12:00		32
17/2/2021	9:00	-	10:00	Sunny	33
17/2/2021	10:00	-	11:00		34
17/2/2021	11:00	-	12:00		37
23/2/2021	13:00	-	14:00	Sunny	35
23/2/2021	14:00	-	15:00		38

Air Monitoring Station				AM3 – Sky Tower	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
23/2/2021	15:00	-	16:00		42
1/3/2021	9:00	-	10:00	Cloudy	37
1/3/2021	10:00	-	11:00		42
1/3/2021	11:00	-	12:00		43
6/3/2021	13:00	-	14:00		45
6/3/2021	14:00	-	15:00	Cloudy	45
6/3/2021	15:00	-	16:00		52
12/3/2021	9:00	-	10:00		49
12/3/2021	10:00	-	11:00	Sunny	53
12/3/2021	11:00	-	12:00		54
18/3/2021	9:00	-	10:00		51
18/3/2021	10:00	-	11:00	Cloudy	57
18/3/2021	11:00	-	12:00		57
24/3/2021	13:00	-	14:00		126
24/3/2021	14:00	-	15:00	Sunny	133
24/3/2021	15:00	-	16:00		134
29/3/2021	9:00	-	10:00		27
29/3/2021	10:00	-	11:00	Sunny	34
29/3/2021	11:00	-	12:00		34



Major Construction Activities	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Permanent Structure Construction for North Depressed Road	✓			
Ground investigation works	✓			
Excavation for North Approach Ramp	✓			
Construction of base slab and wall for North Approach Ramp	✓			
ELS works for Noise Barrier Foundation	✓			
Noise barrier – Trial pit and utilities diversion	✓			
Metal Scaffolding and Falsework Erection & Dismantling at North Approach Ramp	✓			
Construction of Permanent Structure for Pile Cap	✓			
Elevated landscape deck – Bored pile	✓			
Excavation and ELS for Underpass and South Depressed Road	✓			
Noise barrier - Construction of footings		✓		
District Cooling System seawater intake box culvert - Construction of cofferdam		✓	✓	✓
Landscaped Deck – Construction of bored piles		✓	✓	✓
Construction of base slab and walls of Underpass and South Depressed Road		✓		
North Approach Ramp – Construction of wall, intermediate slab and column		✓	✓	✓
Bridge D3 – Construction of pile cap & pier		✓	✓	✓
North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam		✓	✓	✓
Underpass – Excavation and construction of base slab		✓	✓	✓
South Approach Ramp – Installation of sheet pile and excavation		✓	✓	✓
Lift 3 – Construction of cofferdam for footing		✓	✓	✓
Lift 4 –Excavation for footing				✓
Noise barrier – Installation of steel structure and PMMA panel			✓	✓
South Depressed Road –Excavation and Installation of Lateral Support works				✓

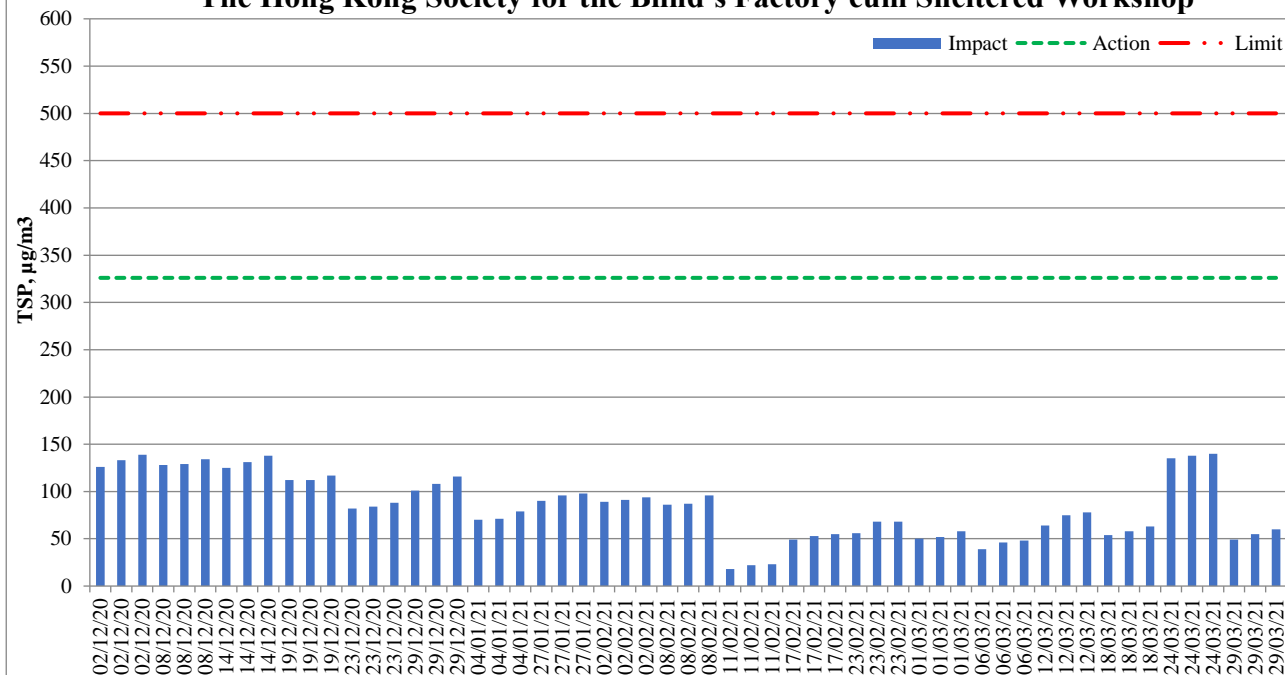
Factors might affect the monitoring results	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

Air Monitoring Station				AM4(A) – The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
2/12/2020	13:00	-	14:00	Sunny	126
2/12/2020	14:00	-	15:00		133
2/12/2020	15:00	-	16:00		139
8/12/2020	9:00	-	10:00	Sunny	128
8/12/2020	10:00	-	11:00		129
8/12/2020	11:00	-	12:00		134
14/12/2020	13:00	-	14:00	Cloudy	125
14/12/2020	14:00	-	15:00		131
14/12/2020	15:00	-	16:00		138
19/12/2020	9:00	-	10:00	Sunny	112
19/12/2020	10:00	-	11:00		112
19/12/2020	11:00	-	12:00		117
23/12/2020	13:00	-	14:00	Sunny	82
23/12/2020	14:00	-	15:00		84
23/12/2020	15:00	-	16:00		88
29/12/2020	9:00	-	10:00	Sunny	101
29/12/2020	10:00	-	11:00		108
29/12/2020	11:00	-	12:00		116
4/1/2021	13:00	-	14:00	Sunny	70
4/1/2021	14:00	-	15:00		71
4/1/2021	15:00	-	16:00		79
27/1/2021	13:00	-	14:00	Sunny	90
27/1/2021	14:00	-	15:00		96
27/1/2021	15:00	-	16:00		98
2/2/2021	13:00	-	14:00	Sunny	89
2/2/2021	14:00	-	15:00		91
2/2/2021	15:00	-	16:00		94
8/2/2021	14:00	-	14:00	Sunny	86
8/2/2021	15:00	-	15:00		87
8/2/2021	16:00	-	16:00		96
11/2/2021	13:00	-	14:00	Cloudy	18
11/2/2021	14:00	-	15:00		22
11/2/2021	15:00	-	16:00		23
17/2/2021	9:00	-	10:00	Sunny	49
17/2/2021	10:00	-	11:00		53
17/2/2021	11:00	-	12:00		55
23/2/2021	9:00	-	10:00	Sunny	56
23/2/2021	10:00	-	11:00		68
23/2/2021	11:00	-	12:00		68
1/3/2021	9:00	-	10:00	Cloudy	50
1/3/2021	10:00	-	11:00		52
1/3/2021	11:00	-	12:00		58
6/3/2021	9:00	-	10:00	Cloudy	39
6/3/2021	10:00	-	11:00		46
6/3/2021	11:00	-	12:00		48
12/3/2021	13:00	-	14:00	Sunny	64
12/3/2021	14:00	-	15:00		75
12/3/2021	15:00	-	16:00		78
18/3/2021	13:00	-	14:00	Cloudy	54
18/3/2021	14:00	-	15:00		58

Air Monitoring Station				AM4(A) – The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
18/3/2021	15:00	-	16:00		63
24/3/2021	13:00	-	14:00	Sunny	135
24/3/2021	14:00	-	15:00		138
24/3/2021	15:00	-	16:00		140
29/3/2021	9:00	-	10:00		49
29/3/2021	10:00	-	11:00	Sunny	55
29/3/2021	11:00	-	12:00		60

NOTE: * Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [AM4(A) / M11], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted in between.

1-Hour Total Suspended Particulate Results - AM4(A) The Hong Kong Society for the Blind's Factory cum Sheltered Workshop



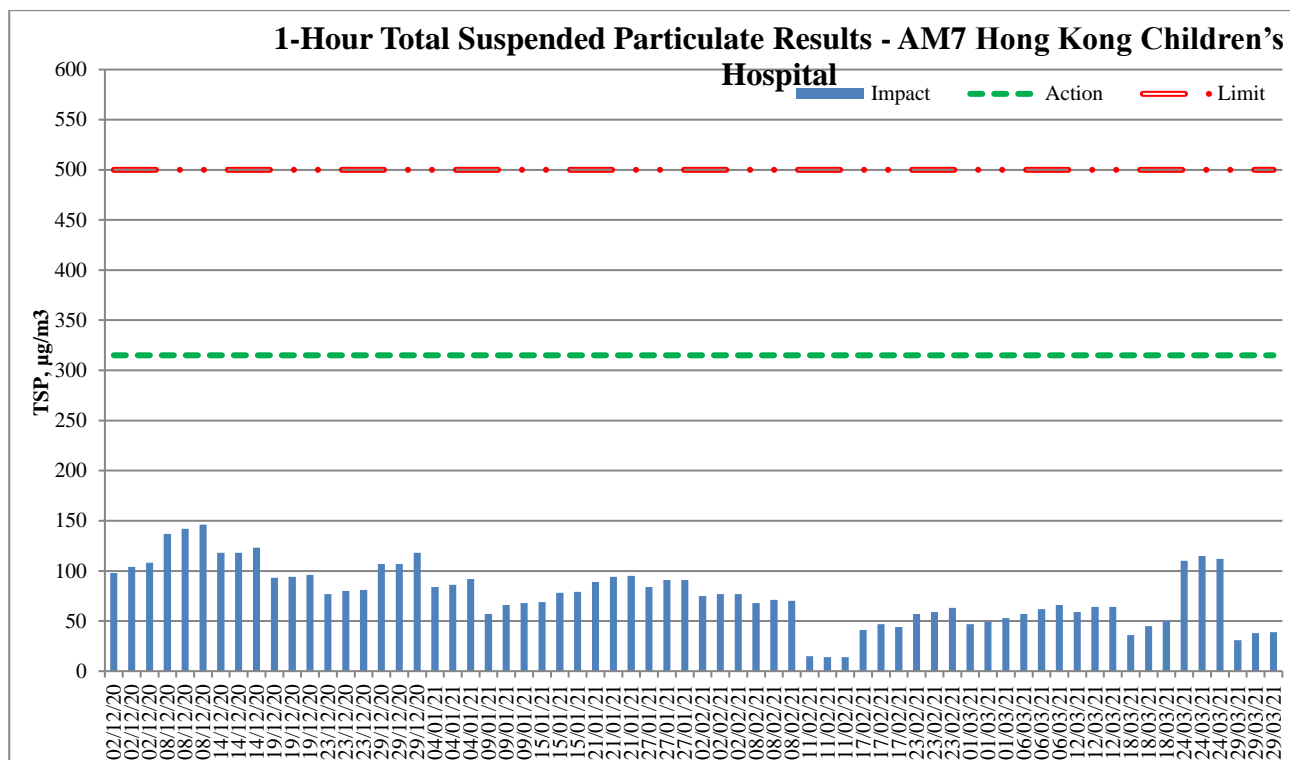
Major Construction Activities	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Permanent Structure Construction for North Depressed Road	✓			
Ground investigation works	✓			
Excavation for North Approach Ramp	✓			
Construction of base slab and wall for North Approach Ramp	✓			
ELS works for Noise Barrier Foundation	✓			
Noise barrier – Trial pit and utilities diversion	✓			
Metal Scaffolding and Falsework Erection & Dismantling at North Approach Ramp	✓			
Construction of Permanent Structure for Pile Cap	✓			
Elevated landscape deck – Bored pile	✓			
Excavation and ELS for Underpass and South Depressed Road	✓			
Noise barrier - Construction of footings		✓		
District Cooling System seawater intake box culvert - Construction of cofferdam		✓	✓	✓
Landscape Deck – Construction of bored piles		✓	✓	✓
Construction of base slab and walls of Underpass and South Depressed Road		✓		
North Approach Ramp – Construction of wall, intermediate slab and column		✓	✓	✓
Bridge D3 – Construction of pile cap & pier		✓	✓	✓
North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam		✓	✓	✓
Underpass – Excavation and construction of base slab		✓	✓	✓
South Approach Ramp – Installation of sheet pile and excavation		✓	✓	✓
Lift 3 – Construction of cofferdam for footing		✓	✓	✓
Lift 4 –Excavation for footing				✓
Noise barrier – Installation of steel structure and PMMA panel			✓	✓
South Depressed Road –Excavation and Installation of Lateral Support works				✓

Factors might affect the monitoring results	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

NOTE: Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [AM4(A) / M11], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted in between.

Air Monitoring Station				AM7 – Hong Kong Children’s Hospital	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
2/12/2020	9:00	-	10:00	Sunny	98
2/12/2020	10:00	-	11:00		104
2/12/2020	11:00	-	12:00		108
8/12/2020	11:00	-	12:00	Sunny	137
8/12/2020	13:00	-	14:00		142
8/12/2020	14:00	-	15:00		146
14/12/2020	9:00	-	10:00	Cloudy	118
14/12/2020	10:00	-	11:00		118
14/12/2020	11:00	-	12:00		123
19/12/2020	9:00	-	10:00	Sunny	93
19/12/2020	10:00	-	11:00		94
19/12/2020	11:00	-	12:00		96
23/12/2020	13:00	-	14:00	Sunny	77
23/12/2020	14:00	-	15:00		80
23/12/2020	15:00	-	16:00		81
29/12/2020	9:00	-	10:00	Sunny	107
29/12/2020	10:00	-	11:00		107
29/12/2020	11:00	-	12:00		118
4/1/2021	9:00	-	10:00	Sunny	84
4/1/2021	10:00	-	11:00		86
4/1/2021	11:00	-	12:00		92
9/1/2021	13:00	-	14:00	Sunny	57
9/1/2021	14:00	-	15:00		66
9/1/2021	15:00	-	16:00		68
15/1/2021	13:00	-	14:00	Sunny	69
15/1/2021	14:00	-	15:00		78
15/1/2021	15:00	-	16:00		79
21/1/2021	9:00	-	10:00	Sunny	89
21/1/2021	10:00	-	11:00		94
21/1/2021	11:00	-	12:00		95
27/1/2021	13:00	-	14:00	Sunny	84
27/1/2021	14:00	-	15:00		91
27/1/2021	15:00	-	16:00		91
2/2/2021	13:00	-	14:00	Sunny	75
2/2/2021	14:00	-	15:00		77
2/2/2021	15:00	-	16:00		77
8/2/2021	9:00	-	10:00	Sunny	68
8/2/2021	10:00	-	11:00		71
8/2/2021	11:00	-	12:00		70
11/2/2021	9:00	-	10:00	Cloudy	15
11/2/2021	10:00	-	11:00		14
11/2/2021	11:00	-	12:00		14
17/2/2021	13:00	-	14:00	Sunny	41
17/2/2021	14:00	-	15:00		47
17/2/2021	15:00	-	16:00		44
23/2/2021	13:15	-	14:15	Sunny	57
23/2/2021	14:15	-	15:15		59
23/2/2021	15:15	-	16:15		63
1/3/2021	13:00	-	14:00	Cloudy	47
1/3/2021	14:00	-	15:00		49
1/3/2021	15:00	-	16:00		53

Air Monitoring Station				AM7 – Hong Kong Children’s Hospital	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
6/3/2021	9:00	-	10:00	Cloudy	57
6/3/2021	10:00	-	11:00		62
6/3/2021	11:00	-	12:00		66
12/3/2021	9:00	-	10:00	Sunny	59
12/3/2021	10:00	-	11:00		64
12/3/2021	11:00	-	12:00		64
18/3/2021	9:00	-	10:00	Cloudy	36
18/3/2021	10:00	-	11:00		45
18/3/2021	11:00	-	12:00		50
24/3/2021	9:00	-	10:00	Sunny	110
24/3/2021	10:00	-	11:00		115
24/3/2021	11:00	-	12:00		112
29/3/2021	13:00	-	14:00	Sunny	31
29/3/2021	14:00	-	15:00		38
29/3/2021	15:00	-	16:00		39



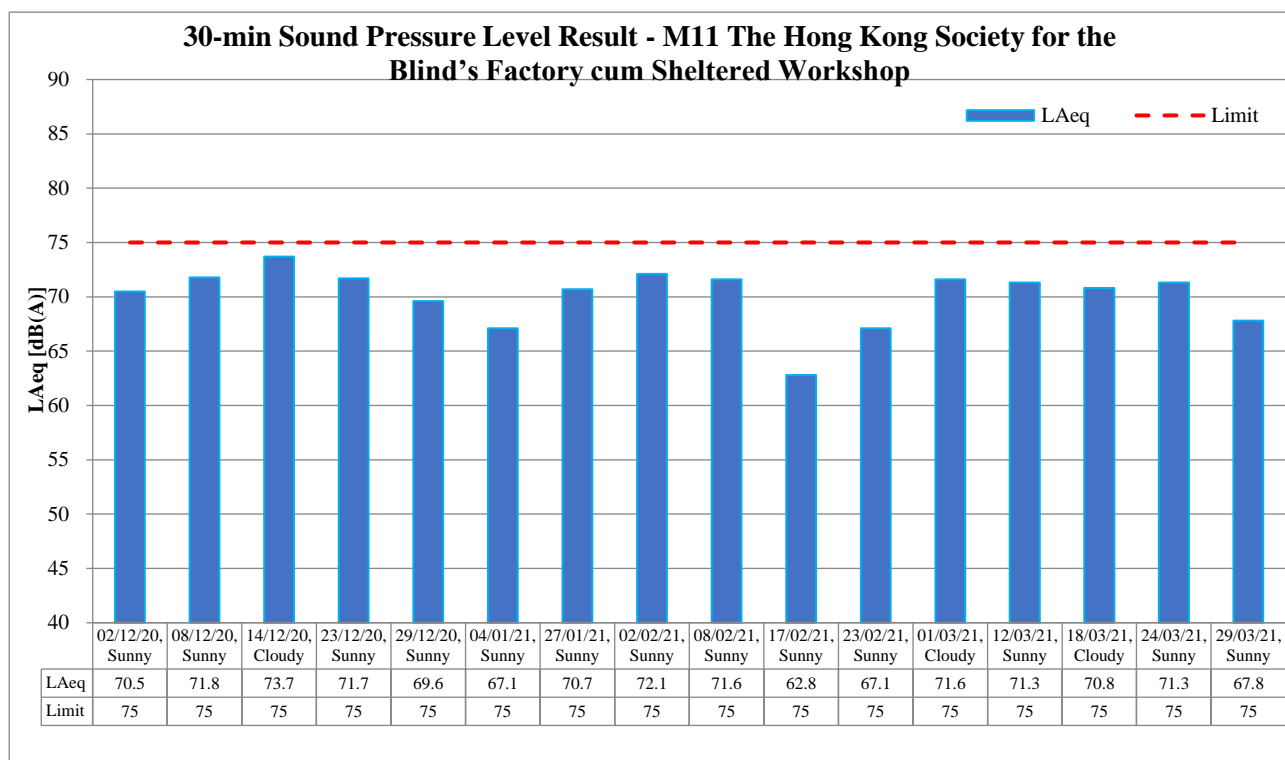
Major Construction Activities	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Permanent Structure Construction for North Depressed Road	✓			
Ground investigation works	✓			
Excavation for North Approach Ramp	✓			
Construction of base slab and wall for North Approach Ramp	✓			
ELS works for Noise Barrier Foundation	✓			
Noise barrier – Trial pit and utilities diversion	✓			
Metal Scaffolding and Falsework Erection & Dismantling at North Approach Ramp	✓			
Construction of Permanent Structure for Pile Cap	✓			
Elevated landscape deck – Bored pile	✓			
Excavation and ELS for Underpass and South Depressed Road	✓			
Noise barrier - Construction of footings		✓		
District Cooling System seawater intake box culvert - Construction of cofferdam		✓	✓	✓
Landscaped Deck – Construction of bored piles		✓	✓	✓
Construction of base slab and walls of Underpass and South Depressed Road		✓		
North Approach Ramp – Construction of wall, intermediate slab and column		✓	✓	✓
Bridge D3 – Construction of pile cap & pier		✓	✓	✓
North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam		✓	✓	✓
Underpass – Excavation and construction of base slab		✓	✓	✓
South Approach Ramp – Installation of sheet pile and excavation		✓	✓	✓
Lift 3 – Construction of cofferdam for footing		✓	✓	✓
Lift 4 –Excavation for footing				✓
Noise barrier – Installation of steel structure and PMMA panel			✓	✓
South Depressed Road –Excavation and Installation of Lateral Support works				✓

Factors might affect the monitoring results	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

30-minute Noise

Noise Monitoring Station				M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*			
Date	Measurement Period			Weather	L _{Aeq} , dB(A)	L _{A10} , dB(A)	L _{A90} , dB(A)
02/12/2020	13:36	-	14:06	Sunny	70.5	72.4	67.6
08/12/2020	9:30	-	10:00	Sunny	71.8	72.9	70.7
14/12/2020	14:18	-	14:48	Cloudy	73.7	75.9	69.2
23/12/2020	13:57	-	14:27	Sunny	71.7	73.5	65.6
29/12/2020	11:15	-	11:45	Sunny	69.6	72.1	64.4
04/01/2021	13:15	-	13:45	Sunny	67.1	68.8	64.0
27/01/2021	14:05	-	14:35	Sunny	70.7	73.0	66.9
02/02/2021	13:58	-	14:28	Sunny	72.1	74.1	68.1
08/02/2021	15:00	-	15:30	Sunny	71.6	74.1	67.4
17/02/2021	9:49	-	10:19	Sunny	62.8	63.6	60.9
23/02/2021	13:49	-	14:19	Sunny	67.1	67.8	66.3
01/03/2021	9:00	-	9:30	Cloudy	71.6	74.8	65.4
12/03/2021	15:03	-	15:33	Sunny	71.3	72.4	65.8
18/03/2021	13:46	-	14:16	Cloudy	70.8	73.9	63.2
24/03/2021	13:38	-	14:08	Sunny	71.3	74.2	65.9
29/03/2021	10:33	-	11:03	Sunny	67.8	71.2	59.8

NOTE: * Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [AM4(A) / M11], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted in between.

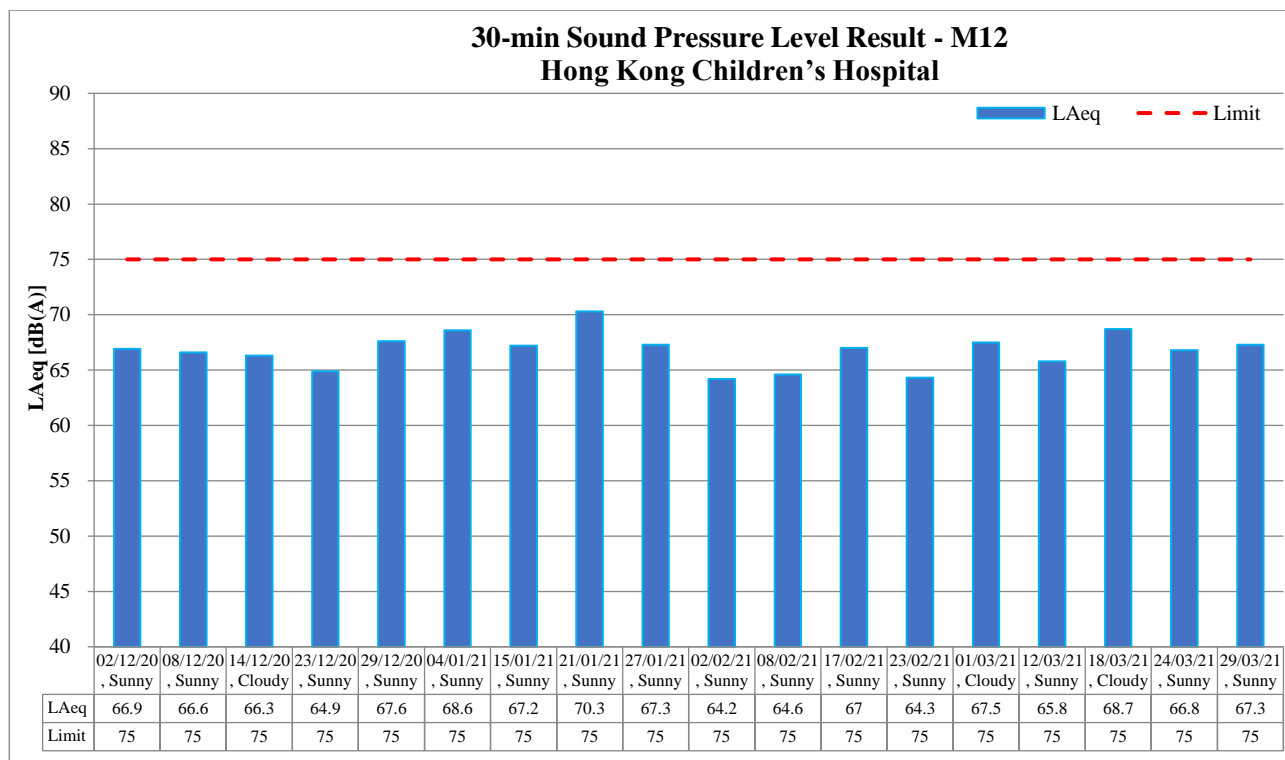


Major Construction Activities	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Permanent Structure Construction for North Depressed Road	✓			
Ground investigation works	✓			
Excavation for North Approach Ramp	✓			
Construction of base slab and wall for North Approach Ramp	✓			
ELS works for Noise Barrier Foundation	✓			
Noise barrier – Trial pit and utilities diversion	✓			
Metal Scaffolding and Falsework Erection & Dismantling at North Approach Ramp	✓			
Construction of Permanent Structure for Pile Cap	✓			
Elevated landscape deck – Bored pile	✓			
Excavation and ELS for Underpass and South Depressed Road	✓			
Noise barrier - Construction of footings		✓		
District Cooling System seawater intake box culvert - Construction of cofferdam		✓	✓	✓
Landscaped Deck – Construction of bored piles		✓	✓	✓
Construction of base slab and walls of Underpass and South Depressed Road		✓		
North Approach Ramp – Construction of wall, intermediate slab and column		✓	✓	✓
Bridge D3 – Construction of pile cap & pier		✓	✓	✓
North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam		✓	✓	✓
Underpass – Excavation and construction of base slab		✓	✓	✓
South Approach Ramp – Installation of sheet pile and excavation		✓	✓	✓
Lift 3 – Construction of cofferdam for footing		✓	✓	✓
Lift 4 –Excavation for footing				✓
Noise barrier – Installation of steel structure and PMMA panel			✓	✓
South Depressed Road –Excavation and Installation of Lateral Support works				✓

Factors might affect the monitoring results	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

NOTE: Due to the COVID-19 diagnosed case confirmed on 4 Jan 2021 in The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [AM4(A) / M11], the workshop was closed for cleaning and disinfection work from 5 to 25 Jan 2021. No impact monitoring was conducted in between.

Noise Monitoring Station				M12 - Hong Kong Children's Hospital			
Date	Measurement Period			Weather	L _{Aeq} , dB(A)	L _{A10} , dB(A)	L _{A90} , dB(A)
02/12/2020	9:56	-	10:26	Sunny	66.9	68.9	63.7
08/12/2020	13:59	-	14:29	Sunny	66.6	68.7	63.9
14/12/2020	11:04	-	11:34	Cloudy	66.3	68.3	63.8
23/12/2020	14:59	-	15:29	Sunny	64.9	66.7	62.4
29/12/2020	10:25	-	10:55	Sunny	67.6	69.5	65.1
04/01/2021	11:00	-	11:30	Sunny	68.6	69.7	63.4
15/01/2021	15:02	-	15:32	Sunny	67.2	67.7	62.7
21/01/2021	10:29	-	10:59	Sunny	70.3	74.2	63.4
27/01/2021	13:01	-	13:31	Sunny	67.3	69.0	64.6
02/02/2021	13:42	-	14:12	Sunny	64.2	65.9	61.8
08/02/2021	10:48	-	11:18	Sunny	64.6	66.0	61.6
17/02/2021	13:05	-	13:35	Sunny	67.0	71.1	63.9
23/02/2021	14:51	-	15:21	Sunny	64.3	65.9	61.9
01/03/2021	14:25	-	14:55	Cloudy	67.5	70.5	64.9
12/03/2021	10:09	-	10:39	Sunny	65.8	66.6	64.7
18/03/2021	11:30	-	12:00	Cloudy	68.7	69.6	67.3
24/03/2021	9:52	-	10:22	Sunny	66.8	68.5	64.6
29/03/2021	14:16	-	14:46	Sunny	67.3	69.3	63.7



Major Construction Activities	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Permanent Structure Construction for North Depressed Road	✓			
Ground investigation works	✓			
Excavation for North Approach Ramp	✓			
Construction of base slab and wall for North Approach Ramp	✓			
ELS works for Noise Barrier Foundation	✓			
Noise barrier – Trial pit and utilities diversion	✓			
Metal Scaffolding and Falsework Erection & Dismantling at North Approach Ramp	✓			
Construction of Permanent Structure for Pile Cap	✓			
Elevated landscape deck – Bored pile	✓			
Excavation and ELS for Underpass and South Depressed Road	✓			
Noise barrier - Construction of footings		✓		
District Cooling System seawater intake box culvert - Construction of cofferdam		✓	✓	✓
Landscaped Deck – Construction of bored piles		✓	✓	✓
Construction of base slab and walls of Underpass and South Depressed Road		✓		
North Approach Ramp – Construction of wall, intermediate slab and column		✓	✓	✓
Bridge D3 – Construction of pile cap & pier		✓	✓	✓
North Depressed Road – Construction of wall & top slab / dismantling of wailing & strut of cofferdam		✓	✓	✓
Underpass – Excavation and construction of base slab		✓	✓	✓
South Approach Ramp – Installation of sheet pile and excavation		✓	✓	✓
Lift 3 – Construction of cofferdam for footing		✓	✓	✓
Lift 4 –Excavation for footing				✓
Noise barrier – Installation of steel structure and PMMA panel			✓	✓
South Depressed Road –Excavation and Installation of Lateral Support works				✓

Factors might affect the monitoring results	Reporting Period			
	Dec 2020	Jan 2021	Feb 2021	Mar 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

Appendix E – Event and Action Plans for Construction Dust Monitoring, Construction Noise and Landscape and Visual Impact

Event and Action Plans for Construction Dust Monitoring				
Event	Action			
	ET	IEC	Supervisor / ER	Contractor
Action Level being exceeded by one sampling	<ol style="list-style-type: none"> 1. Identify source and investigate the causes of exceedance; 2. Inform Contractor, IEC and Supervisor /ER; 3. Repeat measurement to confirm finding. 	<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.
Action Level being exceeded by two or more consecutive sampling	<ol style="list-style-type: none"> 1. Identify source and investigate the causes of exceedance; 2. Inform Contractor, IEC and Supervisor /ER; 3. Increase monitoring frequency to daily; 4. Discuss with IEC and Contractor on remedial actions required; 5. Assess the effectiveness of Contractor's remedial actions; 6. If exceedance continues, arrange meeting with IEC and Supervisor /ER; 7. 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 Supervisor /ER on the effectiveness of the proposed remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise implementation of remedial measures; 5. Conduct meeting with ET and IEC if exceedance continues. 	<ol style="list-style-type: none"> 1. Discuss with ET and IEC on proper remedial actions; 2. Submit proposals for remedial actions to Supervisor /ER and IEC within three working day of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate.
Limit Level being exceeded by one sampling	<ol style="list-style-type: none"> 1. Identify source and investigate the causes of exceedance; 2. Inform Contractor, IEC, Supervisor /ER, and EPD; 3. Repeat measurement to confirm finding; 4. Assess effectiveness of 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss possible remedial measures with ET and Contractor; 4. Advise the Supervisor /ER 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be 	<ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance; 2. Discuss with ET and IEC on proper remedial actions; 3. Submit proposal for remedial actions to Supervisor /ER and IEC

Event and Action Plans for Construction Dust Monitoring				
Event	Action			
	ET	IEC	Supervisor / ER	Contractor
	Contractor's remedial actions and keep EPD, IEC and Supervisor /ER informed of the results.	on the effectiveness of the proposed remedial measures.	implemented; 4. Supervise implementation of remedial measures; 5. Conduct meeting with ET and IEC if exceedance continues.	within three working days of notification; 4. Implement the agreed proposals.
Limit Level being exceeded by two or more consecutive sampling	<ol style="list-style-type: none"> 1. Notify IEC, Supervisor /ER, Contractor and EPD; 2. Repeat measurement to confirm findings; 3. Carry out analysis of Contractor's working procedures to identify source and investigate the causes of exceedance; 4. Increase monitoring frequency to daily; 5. Arrange meeting with IEC, Supervisor /ER and Contractor to discuss the remedial action to be taken; 6. Assess effectiveness of Contractor's remedial actions and keep EPD, IEC and Supervisor /ER informed of the results; 7. If exceedance stop, 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 Supervisor /ER, ET, and Contractor on the potential remedial actions; 4. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the Supervisor /ER accordingly. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise 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. Discuss with ET and IEC on proper remedial actions; 3. Submit proposal for remedial actions to Supervisor /ER and IEC within three working days of notification; 4. Implement the agreed proposals; 5. Submit further remedial actions if problem still not under control; 6. Stop the relevant portion of works as instructed by the Supervisor /ER until the exceedance is abated.

Event and Action Plans for Construction Noise				
Event	Action			
	ET	IEC	Supervisor / ER	Contractor
Action Level being exceeded	<ol style="list-style-type: none"> 1. Notify Supervisor / ER, IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, Supervisor / ER and Contractor; 4. Discuss with the IEC and Contractor on remedial measures required; 5. Increase monitoring frequency to check mitigation effectiveness. <p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>	<ol style="list-style-type: none"> 1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures submitted by the Contractor and advise the ER accordingly; 3. Advise the Supervisor / ER on the proposed remedial measures. <p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>	<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. <p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>	<ol style="list-style-type: none"> 1. Submit noise mitigation proposal to IEC and Supervisor / ER; 2. Implement noise mitigation proposals. <p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>
Limit Level being exceeded	<ol style="list-style-type: none"> 1. Inform IEC, Supervisor /ER, Contractor and EPD; 2. Repeat measurement to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contractor's working procedure; 6. Discuss remedial measures required with the IEC, Contractor and Supervisor /ER; 	<ol style="list-style-type: none"> 1. Discuss the potential remedial actions with Supervisor /ER, ET and Contractor; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the Supervisor /ER accordingly. <p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>	<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 	<ol style="list-style-type: none"> 1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC and Supervisor /ER within 3 working days of notification; 3. Implement the agreed proposal; 4. Submit further proposal if problem still not under control; 5. Stop the relevant portion of works as instructed by the Supervisor /ER until the exceedance is abated.

Event and Action Plans for Construction Noise				
Event	Action			
	ET	IEC	Supervisor / ER	Contractor
	<p>7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD, and Supervisor /ER informed of the results;</p> <p>8. If exceedance stops, cease additional monitoring.</p> <p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>		<p>work which causes the exceedance until the exceedance is abated.</p> <p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>	<p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>

Event and Action Plans for Landscape and Visual Impact				
Event	Action			
	ET	IEC	Supervisor / ER	Contractor
Design Check	1. Check final design conforms to the requirements of EP and prepare report.	1. Check report. 2. Recommend remedial design if necessary.	1. Undertake remedial design if necessary.	
Non-conformity on one occasion	1. Identify Source. 2. Inform IEC and Supervisor /ER. 3. Discuss remedial actions with IEC, Supervisor /ER and Contractor. 4. Monitor remedial actions until rectification has been completed.	1. Check report. 2. Check Contractor's working method. 3. Discuss with ET and Contractor on possible remedial measures. 4. Advise Supervisor /ER on effectiveness of proposed remedial measures. 5. Check implementation of remedial measures.	1. Notify Contractor. 2. Ensure remedial measures are properly implemented.	1. Amend working methods. 2. Rectify damage and undertake any necessary replacement.
Repeated Non-conformity	1. Identify Source. 2. Inform IEC and Supervisor /ER. 3. Increase monitoring frequency. 4. Discuss remedial actions with IEC, Supervisor /ER and Contractor. 5. Monitor remedial actions until rectification has been completed. 6. If non-conformity stops, cease additional monitoring.	1. Check monitoring report. 2. Check Contractor's working method. 3. Discuss with ET and Contractor on possible remedial measures. 4. Advise Supervisor /ER on effectiveness of proposed remedial measures. 5. Supervise implementation of remedial measures.	1. Notify Contractor. 2. Ensure remedial measures are properly implemented.	1. Amend working methods. 2. Rectify damage and undertake any necessary replacement.

Appendix F – Waste Flow Table

Appendix F - Monthly Summary Waste Flow Table

Name of Department: CEDD

Contract No.: ED/2018/01

Monthly Summary Waste Flow Table for March 2021

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
Jan	9.107	0.177	--	7.885	1.045	--	--	--	--	--	0.091
Feb	5.637	0.127	1.660	2.261	1.589	--	--	--	--	--	0.106
Mar	4.780	--	2.580	--	1.530	0.670	--	--	--	--	0.101
Apr	--	--	--	--	--	--	--	--	--	--	--
May	--	--	--	--	--	--	--	--	--	--	--
Jun	--	--	--	--	--	--	--	--	--	--	--
Sub-total	19.524	0.304	4.240	10.146	4.164	0.670	--	--	--	--	0.298
July	--	--	--	--	--	--	--	--	--	--	--
Aug	--	--	--	--	--	--	--	--	--	--	--
Sep	--	--	--	--	--	--	--	--	--	--	--
Oct	--	--	--	--	--	--	--	--	--	--	--
Nov	--	--	--	--	--	--	--	--	--	--	--
Dec	--	--	--	--	--	--	--	--	--	--	--
Total	19.524	0.304	4.240	10.146	4.164	0.670	--	--	--	--	0.298

Forecast of Total Quantities of C&D Materials to be Generated from the Contract*										
Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
195.01	2.103	10.2	140	19.81	25	200	0.8	--	--	3.4

- Notes:
- (1) The performance targets are given in **ER Appendix 8I Clause 14** and the EM&A Manual
 - (2) The waste flow table shall also include C&D materials to be imported for use at the Site
 - (3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
 - (4) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000m³ (**ER Part 8 Clause 8.7.5(d)(ii)** refers)
 - (5) Assume inert C&D materials density and non-inert C&D materials are 1.9 m³/ton and 1.5 m³/ton

Appendix G – Environmental Mitigation Implementation Schedule (EMIS)

Implementation Schedule for Air Quality Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
S3.2		8 times daily watering of the work site with active dust emitting activities.	^
S3.2	S4.8	Implementation of dust suppression measures stipulated in Air Pollution Control (Construction Dust) Regulation. The following mitigation measures, good site practices and a comprehensive dust monitoring and audit programme are recommended to minimize cumulative dust impacts.	^
		- Stockpiling site(s) should be lined with impermeable sheeting and bunded. Stockpiles should be fully covered by impermeable sheeting to reduce dust emission.	^*
		- Misting for the dusty material should be carried out before being loaded into the vehicle.	^
		- Any vehicle with an open load carrying area should have properly fitted side and tail boards.	^
		- Material having the potential to create dust should not be loaded from a level higher than the side and tail boards and should be dampened and covered by a clean tarpaulin.	^
		- The tarpaulin should be properly secured and should extent at least 300 mm over the edges of the sides and tailboards. The material should also be dampened if necessary, before transportation.	^
		- The vehicles should be restricted to maximum speed of 10 km per hour and confined haulage and delivery vehicle to designated roadways insider the site. On- site unpaved roads should be compacted and kept free of lose materials.	^
		- Vehicle washing facilities should be provided at every vehicle exit point.	^
		- The area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores.	^
		- Every main haul road should be scaled with concrete and kept clear of dusty materials or sprayed with water so as to maintain the entire road surface wet.	^
		- Every stock of more than 20 bags of cement should be covered entirely by impervious sheeting placed in an area sheltered on the top and the three sides.	NA
		- Every vehicle should be washed to remove any dusty materials from its body and wheels before leaving the construction sites.	^

Implementation Schedule for Noise Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
S3.3		Use of quiet PME, movable barriers barrier for Asphalt Paver, Breaker, Excavator and Hand-held breaker and full enclosure for Air Compressor, Bar Bender, Concrete Pump, Generator and Water Pump.	^
S3.3		Good Site Practice:	
S3.3		- Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program.	^
		- Silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program.	^
		- Mobile plant, if any, should be sited as far away from NSRs as possible.	^
		- Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum.	^
		- Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.	^
		- Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.	^
		- Scheduling of Construction Works during School Examination Period	^

Implementation Schedule for Water Quality Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
S3.4		<u>Construction Runoff</u> Exposed soil areas should be minimised to reduce the potential for increased siltation, contamination of runoff, and erosion. Construction runoff related impacts associated with the above ground construction activities can be readily controlled through the use of appropriate mitigation measures which include:	
S3.4		- use of sediment traps.	^
S3.4		- adequate maintenance of drainage systems to prevent flooding	^

Implementation Schedule for Water Quality Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
		and overflow.	
	S5.8	- Surface run-off from construction sites should be discharged into storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sedimentation basins.	^
	S5.8	- Channels or earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Perimeter channels should be provided on site boundaries where necessary to intercept storm run-off from outside the site so that it will not wash across the site. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks.	^
	S5.8	- Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly, at the onset of and after each rainstorm to prevent local flooding. Any practical options for the diversion and re-alignment of drainage should comply with both engineering and environmental requirements in order to provide adequate hydraulic capacity of all drains. Minimum distance of 100 m should be maintained between the discharge points of construction site run-off and the existing saltwater intakes.	^
	S5.8	- Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary.	^
	S5.8	- Measures should be taken to minimize the ingress of rainwater into trenches. If excavation of trenches in wet seasons is necessary, they should be dug and backfilled in short sections. Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.	^
	S5.8	- Open stockpiles of construction materials (e.g. aggregates, sand and fill material) on sites should be covered with tarpaulin or similar fabric during rainstorms.	^
	S5.8	- Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers. Discharge of surface run-off into foul sewers must	^

Implementation Schedule for Water Quality Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
		always be prevented in order not to unduly overload the foul sewerage system.	
	S5.8	- Good site practices should be adopted to remove rubbish and litter from construction sites so as to prevent the rubbish and litter from spreading from the site area. It is recommended to clean the construction sites on a regular basis.	^
S3.4		Construction site should be provided with adequately designed perimeter channel and pre-treatment facilities and proper maintenance. The boundaries of critical areas of earthworks should be marked and surrounded by dykes or embankments for flood protection. Temporary ditches should be provided to facilitate runoff discharge into the appropriate watercourses, via a silt retention pond. Permanent drainage channels should incorporate sediment basins or traps and baffles to enhance deposition rates. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94.	^
S3.4	S5.8	Ideally, construction works should be programmed to minimise surface excavation works during the rainy season (April to September). All exposed earth areas should be completed as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means. If excavation in soil cannot be avoided in these months or at any time of year when rainstorms are likely, for the purpose of preventing soil erosion, temporary exposed slope surfaces should be covered e.g. by tarpaulin, and temporary access roads should be protected by crushed stone or gravel, as excavation proceeds. Intercepting channels should be provided (e.g. along the crest / edge of excavation) to prevent storm runoff from washing across exposed soil surfaces. Arrangements should always be in place in such a way that adequate surface protection measures can be safely carried out well before the arrival of a rainstorm.	^
S3.4		Sediment tanks of sufficient capacity, constructed from pre-formed individual cells of approximately 6 to 8 m ³ capacity, are recommended as a general mitigation measure which can be used for settling surface runoff prior to disposal. The system capacity is	^

Implementation Schedule for Water Quality Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
		flexible and able to handle multiple inputs from a variety of sources and particularly suited to applications where the influent is pumped.	
S3.4		Open stockpiles of construction materials (for examples, aggregates, sand and fill material) of more than 50 m ³ 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.	^
S3.4		Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers.	^
S3.4		Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecast, and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events.	^
S3.4		Oil interceptors should be provided in the drainage system and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain.	NA
S3.4	S5.8	<u>Wheel Washing Water</u> 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 located wheel washing bay should be provided at every site exit, and wash-water should have sand and silt settled out and removed at least on a weekly basis 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.	^
S3.4		<u>Drainage</u> It is recommended that on-site drainage system should be installed prior to the commencement of other construction activities. Sediment traps should be installed in order to minimise the sediment loading of the effluent prior to discharge into foul sewers. There should be no direct discharge of effluent from the site into the sea.	^*

Implementation Schedule for Water Quality Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
S3.4		All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge should be adequately designed for the controlled release of storm flows. All sediment control measures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rain storms. The temporarily diverted drainage should be reinstated to its original condition when the construction work has finished or the temporary diversion is no longer required.	^
S3.4		All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters of the Victoria Harbour WCZ.	^
S3.4	S5.8	<u>Sewage Effluent</u> Construction work force sewage discharges on site are expected to be connected to the existing trunk sewer or sewage treatment facilities. The construction sewage may need to be handled by portable chemical toilets prior to the commission of the on-site sewer system. Appropriate numbers of portable toilets should be provided by a licensed contractor to serve the large number of construction workers over the construction site. The Contractor should also be responsible for waste disposal and maintenance practices. Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the surrounding environment. Regular environmental audit of the construction site will provide an effective control of any malpractices and can encourage continual improvement of environmental performance on site. It is anticipated that sewage generation during the construction phase of the project would not cause water pollution problem after undertaking all required measures.	^
S3.4		<u>Stormwater Discharges</u> Minimum distances of 100 m should be maintained between the existing or planned stormwater discharges and the existing or planned seawater intakes	^
S3.4		<u>Debris and Litter</u> In order to maintain water quality in acceptable conditions with regard to aesthetic quality, contractors should be required, under	^

Implementation Schedule for Water Quality Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
		conditions of contract, to ensure that site management is optimised and that disposal of any solid materials, litter or wastes to marine waters does not occur.	
	S5.8	<u>Boring and Drilling Water</u> Water used in ground boring and drilling for site investigation or rock / soil anchoring should as far as practicable be re-circulated after sedimentation. When there is a need for final disposal, the wastewater should be discharged into storm drains via silt removal facilities.	^
	S5.8	<u>Acid Cleaning, Etching and Pickling Wastewater</u> Acidic wastewater generated from acid cleaning, etching, pickling and similar activities should be neutralized to within the pH range of 6 to 10 before discharging into foul sewers.	NA
	S5.8	<u>Effluent Discharge</u> There is a need to apply to EPD for a discharge licence for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge licence. All the runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS. Minimum distance of 100 m should be maintained between the discharge points of construction site effluent and the existing seawater intakes and the planned WSR mentioned in S5.3.1 as appropriate. The beneficial uses of the treated effluent for other on-site activities such as dust suppression, wheel washing and general cleaning etc., can minimise water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the works areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the relevant WPCO licence which is under the ambit of regional office (RO) of EPD.	^
	S5.8	<u>Accidental Spillage</u> Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation, should be observed and complied with for control of chemical wastes.	^

Implementation Schedule for Water Quality Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
		Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.	
	S5.8	Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: <ul style="list-style-type: none"> - Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport. 	^
	S5.8	<ul style="list-style-type: none"> - Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents. 	^
	S5.8	<ul style="list-style-type: none"> - Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area. 	^

Implementation Schedule for Waste Management Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
S3.5		<u>Good Site Practices</u> It is not anticipated that adverse waste management related impacts would arise, provided that good site practices are adhered to. Recommendations for good site practices during construction activities include:	
S3.5		<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. 	^
	S6.7	<ul style="list-style-type: none"> - Prepare a Waste Management Plan, which becomes a part of the Environmental Management Plan, in accordance with the requirements stipulated in ETWB TC(W) No. 19/2005, approved by the Engineer/Supervising Officer of the Project based on current practices on construction sites. 	^

Implementation Schedule for Waste Management Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
S3.5	S6.7	- Training of site personnel in proper waste management and chemical waste handling procedures.	^
S3.5	S6.7	- Provision of sufficient waste disposal points and regular collection for disposal.	^*
S3.5	S6.7	- Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	^
S3.5		- A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites).	^
	S6.7	- Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors.	^
	S6.7	- Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycle.	^
S3.5		<u>Waste Reduction Measures</u> Good management and control can prevent the generation of a significant amount of waste. Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include:	^
S3.5	S6.7	- Sort C&D waste from demolition of the remaining structures to recover recyclable portions such as metals.	NA
S3.5	S6.7	- Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal.	^
S3.5	S6.7	- Encourage collection of aluminium cans, PET bottles and paper by providing separate labelled bins to enable these wastes to be segregated from other general refuse generated by the work force.	^
S3.5		- Any unused chemicals or those with remaining functional capacity should be recycled.	^
S3.5	S6.7	- Proper storage and site practices to minimise the potential for damage or contamination of construction materials.	^
S3.5		<u>Construction and Demolition Materials</u> Mitigation measures and good site practices should be incorporated in the contract document to control potential environmental impact from handling and transportation of C&D material. The mitigation measures include:	

Implementation Schedule for Waste Management Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
S3.5		- Where it is unavoidable to have transient stockpiles of C&D material within the Project work site pending collection for disposal, the transient stockpiles shall be located away from waterfront or storm drains as far as possible.	^
S3.5		- Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric.	^*
S3.5		- Skip hoist for material transport should be totally enclosed by impervious sheeting.	^
S3.5		- Every vehicle should be washed to remove any dusty materials from its body and wheels before leaving a construction site.	^
S3.5		- The area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores.	^
S3.5		- The load of dusty materials carried by vehicle leaving a construction site should be covered entirely by clean impervious sheeting to ensure dust materials do not leak from the vehicle.	^
S3.5		- All dusty materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet.	^
S3.5		- The height from which excavated materials are dropped should be controlled to a minimum practical height to limit fugitive dust generation from unloading.	^
S3.5		- When delivering inert C&D material to public fill reception facilities, the material should consist entirely of inert construction waste and of size less than 250mm or other sizes as agreed with the Secretary of the Public Fill Committee. In order to monitor the disposal of the surplus C&D material at the designed public fill reception facility and to control fly tipping, a trip-ticket system as stipulated in the ETWB TCW No. 31/2004 “Trip Ticket System for Disposal of Construction and Demolition Materials” should be included as one of the contractual requirements and implemented by an Environmental Team undertaking the Environmental Monitoring and Audit work. An Independent Environmental Checker should be responsible for auditing the results of the system.	^

Implementation Schedule for Waste Management Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
	S6.7	- Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste.	^
S3.5		<u>Chemical Waste</u> After use, chemical wastes (for example, cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Spent chemicals should be collected by a licensed collector for disposal at the CWTF or other licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	^
	S6.7	Separation of chemical wastes for special handling and appropriate treatment.	^*
S3.5		<u>General Refuse</u> General refuse should be stored in enclosed bins or compaction units separate from C&D material. A licensed waste collector should be employed by the contractor to remove general refuse from the site, separately from C&D material. Effective collection and storage methods (including enclosed and covered area) of site wastes would be required to prevent waste materials from being blown around by wind, wastewater discharge by flushing or leaching into the marine environment, or creating odour nuisance or pest and vermin problem.	^

Implementation Schedule for Landscape and Visual Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
S3.8.12		All existing trees should be carefully protected during construction	^
S3.8.12		Trees unavoidably affected by the works should be transplanted where practical. Detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with ETWBC 2/2004 and 3/2006. Final locations of transplanted trees should be agreed prior to commencement of the work.	NA
S3.8.12		Control of night-time lighting.	^
S3.8.12		Erection of decorative screen hoarding.	^
	S7.9	<u>Construction Site Control</u> - CM1 - Minimized construction area and contractor's temporary works areas.	^
		- CM2- Control of night-time lighting and glare by hooding all	^

Implementation Schedule for Landscape and Visual Measures			
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status
		lights.	
		- CM3 - Erection of decorative mesh screens or construction hoardings around works areas in visually unobtrusive colours.	^
		- CM4 - Reduction of construction period to practical minimum.	^
		- CM5 - Limitation of / Ensuring no run-off into surrounding landscape and adjacent seawater areas.	^
		- CM6 - Temporary or advance landscape should be provided along the temporary access roads to the Cruise Terminal until such time as road D3 is open.	NA

Remarks:			
^	Compliance of mitigation measure.	X	Non-compliance of mitigation measure.
N/A	Not Applicable at this stage.	●	Non-compliance but rectified by the contractor.
N/A (1)	Not observed.		
*	Recommendation was made during site audit but improved/rectified by the contractor.	#	Recommendation was made during audit and to be improved/ rectified by the contractor.

Appendix H – Summaries of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

Reporting Period: January 2021 to March 2021

Contract No.	Record of Complaint (Yes/No)	Record of Warning (Yes/No)	Notification of Summons and Successful Prosecutions (Yes/No)
ED/2018/01	Yes (1 dust complaint via hotline 1823)	No	No

**Cumulative Statistics on Complaints, Notification of Summons and Successful Prosecutions
upto reporting period**

Contract No.	Record of Complaint	Record of Warning	Notification of Summons and Successful Prosecutions
ED/2018/01	1	0	0

Complaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status
C0001	A dust complaint was referred from the Contractor on 21 October 2020 regarding a public complaint via 1823 hotline (Case no. 3-6518939602) on 20 October 2020.	<ol style="list-style-type: none"> 1. The water spraying system was not operated in proper time. 2. Stockpile was not covered properly. 3. Haul road was not wetted. 4. Materials transported on trucks were not provided with mechanical covers. 	<p><u>Investigation</u></p> <ol style="list-style-type: none"> 1. Based on the information provided by the Contractor on 22 October 2020, the water sprinklers system was sprayed every 15 minutes with 70 seconds interval automatically. For the area that water sprinklers system was not covered, manual water spraying was provided. Dump trucks were covered with mechanical cover after loading the materials. The stockpile area was covered by the tarpaulin during night time. 2. Based on the monitoring results on 16 October 2020, the 1-hour and 24-hour TSP results were below the Action Levels and Limit Levels. 3. Regular site inspection was conducted by ET on 22 October 2020, no adverse observation against the dust impact was recorded. <p><u>Recommendations</u></p> <p>To minimize the impact for air quality, mitigation measures should be enhanced specially in dry seasons are recommended:</p> <ol style="list-style-type: none"> 1. Increase the frequency and duration for automatic water spraying system. 2. Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted by water trucks or manually in regular basis. 3. Ensure stockpiling sites should be lined with impermeable sheeting and banded. Stockpiles should be fully covered by impermeable sheeting at all time except during working 	<ul style="list-style-type: none"> - Closed-out on 5 Nov 2020 - No further complaint was received.

Complaint Log for ED/2018/01									
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[illegible]