

**Quarterly Environmental Monitoring and Audit
Summary Report (April 2024 – June 2024)
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 1.1)

Certified By: _____



(Environmental Team Leader)

Ref.: CEDKTDS4EM00_0_0370L.24

30 July 2024

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

By Post and Email

Attention: Ms. Fanny Lau

Dear Ms. Lau,

**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 April 2024 to June 2024

Reference is made to the Environmental Team's submission of the Quarterly EM&A Summary Report for April 2024 to June 2024 (Version 1.1) certified by the ET Leader and provided to us via email on 26 July 2024.

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. Jason Wong
Attn.: Mr. Chan Pang
Attn.: Mr. Daniel Ho

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EXECUTIVE SUMMARY

1. This is the 18th Quarterly Environmental Monitoring & Audit (EM&A) Summary Report which summaries the findings of the EM&A Programme during the reporting period from 1st April 2024 to 30th June 2024 (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.
3. 24-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded.
4. Construction noise monitoring was conducted as scheduled in the reporting period. No Limit Level exceedance was recorded.

Complaint log

5. No complaint was received in the April and June 2024. Two complaints (one for dust and one for waste) were received in May 2024. Summary of complaints in the reporting period is tabulated in Table 6.2.

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

April 2024	May 2024	June 2024
<ul style="list-style-type: none"> - Laying of stormwater drainage pipes/ sewer pipes/watermains and construction of associated manholes at Road L12d and at-grade road. - E&M works for Underpass 03 - Construction of remaining works for Noise Barrier - Construction of RC structure for Lift LT-1 and LT-2 - Construction of permanent railing for NDR - Modification works at Shing Kai Road - Install the lift cart for Lift LT-4; - Laying of stormwater drainage pipes/ sewer pipes/ watermains - Waterproofing works for ELD - Construction of Seawater Intake Box Culvert - Concreting and RC 	<ul style="list-style-type: none"> - Construction of Floating Stage - Remedial works in Cell of DCS Intake Box Culvert - Granolithic finish work of Harbour Steps - Construction of Observation Deck - Erection of steel members of Temporary Management Office - Erection of steel members of Toilet cum and Changing Room - Construction of draw pit and pipe ducting at Open Space and Promenade - Installation of drainage near Pumping Station - Finishing work in Pumping Station - Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck 	<ul style="list-style-type: none"> - Installation of steel roof structure at Observation Deck - Granolithic finishing works of Harbour Steps - Construction of thrust block, wash-out chamber, manhole for drainage works & draw pit for cable works. - Construction of concrete structure of Floating Stage - Remedial works in Cell B of DCS Intake Box Culvert - Installation of internal partition of Temporary Management Office - Installation of internal partition of Toilet cum and Changing Room - Installation of drainage near Pumping Stations - Finishing work in Pumping Stations - Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck

April 2024	May 2024	June 2024
<ul style="list-style-type: none"> structure of Pumping Stations - Construction of Observation Deck - Construction of LCSD Temporary Office; - Construction of Harbour Steps - Concreting and RC structure of Toilet cum Changing Room - Construction of pedestrian street near Shing Fung Road Roundabout - Construction of Floating Stage 		

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/B.
- 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. Jason Wong	Senior Engineer	3579 2453	2739 0076
		Ms. Chan Ka Yan	Engineer	3579 2458	2739 0076
AECOM Asia Co. Ltd. (AECOM)	Supervisor (act as Engineers' Representative (ER) listed in EM&A Manual)	Ms. Fanny Lau	CRE	3911 4201	3911 4288
Ramboll Hong Kong Limited (Ramboll)	Independent Environmental Checker (IEC)	Mr. Y H Hui	IEC	3465 2850	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	Mr. Tony Tang	Environmental Officer	9433 2628	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

April 2024	May 2024	June 2024
<ul style="list-style-type: none"> - Laying of stormwater drainage pipes/ sewer pipes/watermains and construction of associated manholes at Road L12d and at-grade road. - E&M works for Underpass 03 - Construction of remaining works for Noise Barrier - Construction of RC structure for Lift LT-1 and LT-2 - Construction of permanent railing for NDR - Modification works at Shing Kai Road - Install the lift cart for Lift LT-4; - Laying of stormwater drainage pipes/ sewer pipes/ watermains - Waterproofing works for ELD - Construction of Seawater Intake Box Culvert - Concreting and RC 	<ul style="list-style-type: none"> - Construction of Floating Stage - Remedial works in Cell of DCS Intake Box Culvert - Granolithic finish work of Harbour Steps - Construction of Observation Deck - Erection of steel members of Temporary Management Office - Erection of steel members of Toilet cum and Changing Room - Construction of draw pit and pipe ducting at Open Space and Promenade - Installation of drainage near Pumping Station - Finishing work in Pumping Station - Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck 	<ul style="list-style-type: none"> - Installation of steel roof structure at Observation Deck - Granolithic finishing works of Harbour Steps - Construction of thrust block, wash-out chamber, manhole for drainage works & draw pit for cable works. - Construction of concrete structure of Floating Stage - Remedial works in Cell B of DCS Intake Box Culvert - Installation of internal partition of Temporary Management Office - Installation of internal partition of Toilet cum and Changing Room - Installation of drainage near Pumping Stations - Finishing work in Pumping Stations - Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck

April 2024	May 2024	June 2024
<ul style="list-style-type: none"> structure of Pumping Stations - Construction of Observation Deck - Construction of LCSD Temporary Office; - Construction of Harbour Steps - Concreting and RC structure of Toilet cum Changing Room - Construction of pedestrian street near Shing Fung Road Roundabout - Construction of Floating Stage 		

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	Ground
AM7 – Hong Kong Children's Hospital	Rooftop

2.3 Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 September 2022. No 24-TSP monitoring was conducted at AM4(A) while 1-hr TSP monitoring at AM4(A) were conducted on the ground floor with orienting to the Project site.

2.4 ET approached the potential sensitive receivers for monitoring station relocation since May 2022. ET conducted site visit in nearby area and found that there was no property management company in most of the nearby premises and could not approach the residents regarding the environmental monitoring. No permission can be applied for environmental monitoring.

2.5 For those premises have property management company, ET sent the proposal to owner / property management company and explained the purpose of environmental monitoring (refer

to Appendix C – Apply permission for Environmental Monitoring). Figure 6 shows the proposed alternative monitoring locations. No permission of setup and entry is received until the reporting period.

2.6 Summary of the status of for proposed alternative monitoring locations for AM4(A) are given in Table 2.2.

Table 2.2 Proposed alternative monitoring locations for AM4(A)

Proposed alternative monitoring locations for M11	Status up to reporting month
A1 - The Lok Sin Tong Modular Social Housing Scheme	Rejected application on 13 Oct 2022
A2 - Freder Centre	No reply from building management office
A3 - New Port Centre	No reply from building management office
A4 - 112 - 138 To Kwa Wan Road	No property management company and could not apply the permission.
A5 - 2 - 26 Hok Ling Street	No property management company and could not apply the permission.
A6 - 1 - 27 Hok Ling Street	No property management company and could not apply the permission.
A7 - 2 - 28 Tsun Fat Street	No property management company and could not apply the permission.
A8 - 1 - 27 Tsun Fat Street	No property management company and could not apply the permission.
A9 - 2 - 28 Yin On Street	No property management company and could not apply the permission.
A10 - 1 - 27 Yin On Street	No property management company and could not apply the permission.
A11 - 2 - 28 Shim Luen Street	No property management company and could not apply the permission.
A12 - 1 - 27 Shim Luen Street	No property management company and could not apply the permission.
A13 - 2 - 28 Hung Wan Street	No property management company and could not apply the permission.
A14 - 1 - 27 Hung Wan Street	No property management company and could not apply the permission.
A15 - 2 - 28 Pang Ching Street	No property management company and could not apply the permission.
A16 - 1 - 27 Pang Ching Street	No property management company and could not apply the permission.
A17 - 2 - 28 Ying Yeung Street	No property management company and could not apply the permission.
A18 - 1 - 27 Ying Yeung Street	No property management company and could not apply the permission.
A19 - 2 - 28 Lun Cheung Street	No property management company and could not apply the permission.
A20 - 1 - 27 Lun Cheung Street	No property management company and could not apply the permission.

Proposed alternative monitoring locations for M11	Status up to reporting month
A21 - 2 - 28 Luk Ming Street	No property management company and could not apply the permission.
A22 - 1 - 27 Luk Ming Street	No property management company and could not apply the permission.
A23 - 2 - 28 Fung Yi Street	No property management company and could not apply the permission.

2.7 ET will resume the impact monitoring once the alternative monitoring location for AM4(A) are confirmed.

Air Quality Monitoring Parameters, Frequency and Duration

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

Table 2.3 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 / Ground Floor*	- 24-hour average TSP	- 24 hours	- Once every 6 days
		- 1-hour average TSP	- 1 hour	- Three times every 6 days
AM7 - Hong Kong Children's Hospital	Rooftop			

NOTE: * Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 September 2022. No 24-hr TSP monitoring and 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation since September 2022.

Air Quality Monitoring Equipment

2.6 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 2.4 summarizes the equipment to be used in the air quality monitoring.

Table 2.4 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

2.7 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

2.8 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.

- 2.9 Prior to the commencement of the dust sampling, the flow rate of the HVS was properly set (between 1.1 m³/min. and 1.7 m³/min.) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50.
- 2.10 For TSP sampling, Glass Fiber Filter Media 8" x 10" have a collection efficiency of > 99 % for particles of 0.3 µm diameter were used.
- 2.11 The power supply was checked to ensure the sampler worked properly and then placed any filter media at the designated air monitoring station
- 2.12 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.
- 2.13 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.
- 2.14 The shelter lid was closed and secured with the aluminium strip.
- 2.15 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).
- 2.16 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 HOKLAS accredited or other internationally accredited laboratory for weighting.

Maintenance/Calibration

- 2.17 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

2.18 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

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

- To validity 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

2.20 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.

2.21 Details of weather information during the monitoring period are shown in Appendix D.

Impact Air Quality Action and Limit Levels

2.22 The Action and Limit Levels of 24-hour average TSP and 1-hour average TSP are summarized

in Table 2.5 and Table 2.6 respectively.

Table 2.5 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 2.6 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

2.23 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 2.7 and Table 2.8 respectively.

Table 2.7 Summary of 24-hour average TSP monitoring data during the reporting period

Air Monitoring Station	April 2024		May 2024		June 2024		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	56	35 – 85	59	35 – 122	47	29 – 81	182	260
AM4(A)*	/	/ – /	/	/ – /	/	/ – /	187	260
AM7	71	31 – 113	61	32 – 120	48	25 – 86	181	260

NOTE: * Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 September 2022. No 24-TSP monitoring was conducted at AM4(A) because of the assess limitation since the September 2022.

Table 2.8 Summary of 1-hour average TSP monitoring data during the reporting period

Air Monitoring Station	April 2024		May 2024		June 2024		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	59	33 – 90	48	32 – 73	49	30 – 83	297	500
AM4(A)*	79	41 – 99	64	40 – 85	61	39 – 95	326	500
AM7	69	36 – 102	51	33 – 66	54	37 – 90	315	500

NOTE: *Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 September 2022. 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation since September 2022

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

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

2.26 The Event and Action Plan is provided in Appendix F.

2.27 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

2.28 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 2.9 describes the noise monitoring locations, which are also depicted in Figure 7.

Table 2.9 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	Ground Floor (Façade)
M12 - Hong Kong Children's Hospital	Rooftop (Façade)

2.29 Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 September 2022.

2.30 ET approached the potential sensitive receivers for monitoring station relocation since May 2022. ET conducted site visit in nearby area and found that there was no property management company in most of the nearby premises and could not approach the residents regarding the environmental monitoring. No permission can be applied for environmental monitoring.

2.31 For those premises have property management company, ET sent the proposal to owner / property management company and explained the purpose of environmental monitoring (refer to Appendix C – Apply permission for Environmental Monitoring). Figure 8 shows the proposed alternative monitoring locations. No permission of setup and entry is received until the reporting period.

2.32 Summary of the status of for proposed alternative monitoring locations for M11 are given in Table 2.10.

Table 2.10 Proposed alternative monitoring locations for M11

Proposed alternative monitoring locations for M11	Status upto reporting month
A1 - The Lok Sin Tong Modular Social Housing Scheme	Rejected application on 13 Oct 2022
A2 - Freder Centre	No reply from building management office
A3 - New Port Centre	No reply from building management office
A4 - 112 - 138 To Kwa Wan Road	No property management company and could not apply the permission.
A5 - 2 - 26 Hok Ling Street	No property management company and could not apply the permission.
A6 - 1 - 27 Hok Ling Street	No property management company and could not apply the permission.
A7 - 2 - 28 Tsun Fat Street	No property management company and could not apply the permission.
A8 - 1 - 27 Tsun Fat Street	No property management company and could not apply the permission.
A9 - 2 - 28 Yin On Street	No property management company and could not apply the permission.
A10 - 1 - 27 Yin On Street	No property management company and could not apply the permission.
A11 - 2 - 28 Shim Luen Street	No property management company and could not apply the permission.
A12 - 1 - 27 Shim Luen Street	No property management company and could not apply the permission.
A13 - 2 - 28 Hung Wan Street	No property management company and could not apply the permission.
A14 - 1 - 27 Hung Wan Street	No property management company and could not apply the permission.
A15 - 2 - 28 Pang Ching Street	No property management company and could not apply the permission.
A16 - 1 - 27 Pang Ching Street	No property management company and could

Proposed alternative monitoring locations for M11	Status upto reporting month
	not apply the permission.
A17 - 2 - 28 Ying Yeung Street	No property management company and could not apply the permission.
A18 - 1 - 27 Ying Yeung Street	No property management company and could not apply the permission.
A19 - 2 - 28 Lun Cheung Street	No property management company and could not apply the permission.
A20 - 1 - 27 Lun Cheung Street	No property management company and could not apply the permission.
A21 - 2 - 28 Luk Ming Street	No property management company and could not apply the permission.
A22 - 1 - 27 Luk Ming Street	No property management company and could not apply the permission.
A23 - 2 - 28 Fung Yi Street	No property management company and could not apply the permission.

2.33 ET will resume the impact monitoring once the alternative monitoring location for M11 are confirmed.

Noise Monitoring Parameters, Frequency and Duration

2.34 The noise monitoring locations and monitoring frequency are listed in Table 2.11.

Table 2.11 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*	Ground Floor (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)		

NOTE: *Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 September 2022. Construction noise monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation since September 2022.

Noise Monitoring Equipment

2.35 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 2.12 summarizes the equipment to be used in the noise monitoring.

Table 2.12 Noise Monitoring Equipment

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

Monitoring Methodology and QA/QC Procedure

2.36 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.

2.37 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.

2.38 Turned on the sound level meter and check the battery, if too low, change new ones.

2.39 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.

2.40 Noise level was recorded.

2.41 Recorded any activities that may generate noise during measurement period.

Maintenance and Calibration

2.42 The microphone head of the sound level meter and calibrator was cleaned with a soft cloth at quarterly intervals.

2.43 The sound level meter and sound calibrator were calibrated annually.

2.44 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

2.45 The Baseline Noise Levels and Action and Limit Levels for construction noise is presented in Table 2.13.

Table 2.13 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

2.46 Impact noise monitoring results at the designed noise monitoring stations are summarized in Table 2.14.

Table 2.14 Summary of noise monitoring data during the reporting period

Noise Monitoring Station	April 2024		May 2024		June 2024		Action Level	Limit Level ^
	Measured LAeq, 30-min, Average, dB(A)	Measured LAeq, 30-min, Range, dB(A)	Measured LAeq, 30-min, Average, dB(A)	Measured LAeq, 30-min, Range, dB(A)	Measured LAeq, 30-min, Average, dB(A)	Measured LAeq, 30-min, Range, dB(A)		
M11	73.5	72.9 – 74.3	73.3	72.9 – 73.6	73.0	71.8 – 73.9	When one documented complaint is received.	75 dB(A)
M12	65.9	65.4 – 66.2	65.2	62.9 – 68.7	66.8	63.0 – 68.9		

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.

2.47 No Action or Limit Level of noise monitoring was recorded in the reporting period.

2.48 Graphical presentation and detailed monitoring results of impact noise are shown in Appendix E.

2.49 The Event and Action Plan is provided in Appendix F.

2.50 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

2.51 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 2.15 to Table 2.17.

Table 2.15 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 (April 2024), $\mu\text{g}/\text{m}^3$	Measured 24-hr average TSP in Reporting Month (May 2024), $\mu\text{g}/\text{m}^3$	Measured 24-hr average TSP in Reporting Month (June 2024), $\mu\text{g}/\text{m}^3$
		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	35 – 85	35 – 122	29 – 81
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*	A43^	123	195	/ – /*	/ – /*	/ – /*
AM7 – Hong Kong Children's Hospital	PA60	NA	NA	31 – 113	32 – 120	25 – 86

Note:

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

* Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at

AM4(A) because of the assess limitation in the September 2022.

Table 2.16 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 (April 2024), $\mu\text{g}/\text{m}^3$	Measured 1-hr average TSP in Reporting Month (May 2024), $\mu\text{g}/\text{m}^3$	Measured 1-hr average TSP in Reporting Month (June 2024), $\mu\text{g}/\text{m}^3$
		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 [^]	33 – 90	32 – 73	30 – 83
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*	A43	283 [^]	409 [^]	41 – 99*	40 – 85*	39 – 95*
AM7 – Hong Kong Children's Hospital	PA60	NA	NA	36 – 102	33 – 66	37 – 90

Note:

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

* Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation in the September 2022.

Table 2.17 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 $L_{Aeq, 30min}$, dB(A)	Measured Noise Level in Reporting Month (April 2024) $L_{Aeq, 30min}$, dB(A)	Measured Noise Level in Reporting Month (May 2024) $L_{Aeq, 30min}$, dB(A)	Measured Noise Level in Reporting Month (June 2024) $L_{Aeq, 30min}$, dB(A)
M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*	N18	50 – 76 [^]	72.9 – 74.3*	72.9 – 73.6*	71.8 – 73.9*
M12 - Hong Kong Children's Hospital	PN83, PN84, PN84A	NA	65.4 – 66.2	62.9 – 68.7	63.0 – 68.9

Note

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

* Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. Construction noise monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation in the September 2022.

- 2.52 For AM3, 24-hr TSP monitoring result at AM3 was recorded higher than the Scenario 1 (Mid 2009 to Mid 2013) prediction but lower than the Scenario 2 (Mid 2013 to Late 2016) in the EIA Report in May 2024. 24-hour TSP monitoring results recorded in reporting period were lower than the prediction in the EIA Report in April and June 2024. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 2.53 Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A) because of the assess limitation since September 2022.
- 2.54 No prediction in the EIA Report for 24-hour TSP monitoring results at AM7.
- 2.55 1-hour TSP monitoring results at AM3 and AM4(A) recorded in the reporting period were recorded lower than the prediction in the EIA Report. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation since September 2022. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 2.56 No prediction in the EIA Report for 1-hour TSP monitoring results at AM7.
- 2.57 Noise monitoring results at M11 recorded in the reporting period were lower than the prediction in the EIA Report. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 September 2022. Construction noise monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation since September 2022. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 2.58 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
03 April 2024	NA	NA	NA
09 April 2024	NA	NA	NA
18 April 2024	NA	NA	NA
25 April 2024	NA	NA	NA
02 May 2024	NA	NA	NA
09 May 2024	NA	NA	NA
14 May 2024	NA	NA	NA
23 May 2024	NA	NA	NA
30 May 2024	NA	NA	NA
06 June 2024	NA	NA	NA
11 June 2024	NA	NA	NA
20 June 2024	NA	NA	NA
27 June 2024	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 F shall be performed.

4. SOLID AND LIQUID WASTE MANAGEMENT

- 4.1 The number of wastes generated by the major site activities of the work contracts within the Project during the reporting period is shown in Appendix G.
- 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
03 April 2024	No	NA	NA
09 April 2024	Observation: Opened cement bag@ ELD should be covered properly when not in use or disposed properly.	Action Taken: Opened cement bag@ ELD was cleared properly.	Closed-out on 18 April 2024
	Observation: Waste tyre found at toiler cum should be removed timely	Waste tyre found at toiler cum have been removed timely.	Closed-out on 18 April 2024
18 April 2024	NA	NA	NA
25 April 2024	NA	NA	NA
02 May 2024	NA	NA	NA
09 May 2024	Observation: The wastewater should be removed at pumping station.	Action Taken: The waste water has been removed at pumping station.	Closed-out on 29 February 2024
14 May 2024	Observation: Every stock of more than 20 bags of cement should be covered entirely by imperious sheeting	Action Taken: The stock of more than 20 bags of cement has been covered entirely by imperious sheeting placed in an	Closed-out on 23 May 2024

Inspection Date	Key Observations / Recommendations	Actions	Close-out Date / Status
	placed in an area sheltered on the top and the three sides.	area sheltered on the top and the three sides.	
23 May 2024	Observation: The standing water should be removed at CLP power supply station.	Action Taken: The standing water have been removed at CLP power supply station.	Closed-out on 30 May 2024
30 May 2024	Observation: The stagnant water should be removed regularly at pumping station.	Action Taken: The stagnant water has been removed regularly at pumping station.	Closed-out on 06 June 2024
	Observation: The accumulation waste should be removed at grate road (Shing Kai Road to NAR).	Action Taken: The accumulation waste has been removed at grate road (Shing Kai Road to NAR).	Closed-out on 06 June 2024
06 June 2024	NA	NA	NA
11 June 2024	Observation: Waste (C&D & Domestic) found at pumping station & harbour step area should be removed timely.	Action Taken: Waste (C&D & Domestic) found at pumping station & harbour step area have been removed timely.	Closed-out on 20 June 2024
	Observation: Fencing in tree protection zone shall be maintained properly without any gap for unauthorized entry. Construction materials inside the protection zone is not allowed.	Action Taken: Fencing in tree protection zone has been maintained properly without any gap for unauthorized entry. Construction materials inside the protection zone is not allowed.	Closed-out on 20 June 2024
20 June 2024	NA	NA	NA
27 June 2024	Observation: The NRMM Label should be displayed on the PME at pumping station.	Action Taken: The NRMM Label have been displayed on the PME at pumping station.	Closed-out on 04 July 2024
	Observation: The accumulation wastes should be removed at site office.	Action Taken: The accumulation wastes have been removed at site office.	Closed-out on 04 July 2024

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 H.

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.

6.2 24-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded.

6.3 Construction noise monitoring was conducted as scheduled in the reporting period. No Limit Level exceedance was recorded.

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	April 2024	0	0	N/A
	May 2024	0	0	N/A
	June 2024	0	0	N/A
24-hr TSP	April 2024	0	0	N/A
	May 2024	0	0	N/A
	June 2024	0	0	N/A
Construction noise	April 2024	0	0	N/A
	May 2024	0	0	N/A
	June 2024	0	0	N/A

Environmental Complaint and Non-compliance

6.5 Two 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																																								
20 May 2024	A dust complaint was received by Hotline 1823 on 20 May 2024. ER (AECOM) and Contractor (POC) received the transferred from Hotline 1823 (Case No. 3-8226038234) on 20 May 2024 and forwarded the E-mail to ET, and IEC on same day.	The dust emission generated from a excavator near EVA No. 10 which affecting the surrounding residents. The complainant also expressed doubt the effectiveness of implementation of environmental management system.	<p><u>Investigation</u> Joint site inspection was conducted by Contractor (POC), ER, and ET on 23 May 2024.</p> <ol style="list-style-type: none"> The complaint is not directly project-related since C&D stockpiling works from nearby construction sites. Those are the possible sources of dust nuisance. As per the email reply by Mr. Tony Tang from POC on 21 May 2024, the concerned area (section of Shing Fung Road) was near EVA No. 10. The POC proposed to implement measures for mitigate the dust nuisance. The nearest surrounding resident to the concerned area is 580.23m. As per Mr. Tony Tang from POC, POC will provide a worker starting from 22 May 2024 to spray water at the concerned location (Near EVA No. 10) within office hour to suppress dust emission no matter there is any loading or unloading of dusty materials site activities. Based on the monitoring results on 20 May 2024, 1-hour and 24-hour TSP results were below the Action Levels and Limit as shown as below. <table border="1"> <thead> <tr> <th colspan="2"></th> <th colspan="2">AM3</th> <th colspan="2">AM4(A)</th> <th colspan="2">AM7</th> </tr> <tr> <th></th> <th></th> <th>1-h</th> <th>24-hour</th> <th>1-h</th> <th>24-hour</th> <th>1-h</th> <th>24-hour</th> </tr> </thead> <tbody> <tr> <td>TSP</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>TS</td> <td>TS</td> <td>TS</td> <td>TS</td> <td>TS</td> <td>TS</td> </tr> <tr> <td></td> <td></td> <td>P</td> <td>P</td> <td>P</td> <td>P</td> <td>P</td> <td>P</td> </tr> </tbody> </table>			AM3		AM4(A)		AM7				1-h	24-hour	1-h	24-hour	1-h	24-hour	TSP										TS	TS	TS	TS	TS	TS			P	P	P	P	P	P	- Closed-out on 04 June 2024
		AM3		AM4(A)		AM7																																						
		1-h	24-hour	1-h	24-hour	1-h	24-hour																																					
TSP																																												
		TS	TS	TS	TS	TS	TS																																					
		P	P	P	P	P	P																																					

Date of complaint received	Date of complaint	Description of complaint	Investigation / Recommendations / Action take							Close-out date / Status
			<i>Measured result</i> ($\mu\text{g}/\text{m}^3$)	44 -48	42	56- 63	/	53 - 57	54	
			<i>Action Level</i> ($\mu\text{g}/\text{m}^3$)	297	18 2	326	187	315	181	
			<i>Limit Level</i> ($\mu\text{g}/\text{m}^3$)	500	26 0	500	260	500	260	
			<p>6. The effectiveness of the environmental management system implemented has been reviewed.</p> <p>7. No adverse observation against the dust impact were found during the site inspection. The dust control measures are implemented properly.</p> <p><u>Action taken</u></p> <ol style="list-style-type: none"> 1. Regularly monitor all the Powered Mechanical Equipment (PME) to ensure no dark smoke emission. 2. Arrange to cover the stockpile with tarpaulin sheet to prevent dust emission. 3. Arrange resources to spray water during excavator loading and unloading of dusty material which have including fill material and sub-base. <p><u>Recommendations</u></p> <p>There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality:</p> <ol style="list-style-type: none"> 1. The share haul road in Shing Fung Road should be washed regularly. 2. Dust mitigation control should be done 							

Date of complaint received	Date of complaint	Description of complaint	Investigation / Recommendations / Action take	Close-out date / Status
			<p>at the work site 8 times per day.</p> <ol style="list-style-type: none"> 3. Stockpiling sites should be lined with impermeable sheeting and banded. 4. Stockpiles should be fully covered by impermeable sheeting to reduce dust emission. 	
25 May 2024	<p>A waste management complaint was received by Hotline 1823 on 25 May 2024. The public complaint is received via 1823 (Case No.: 3-82349380 50) on 25 May 2024 and forwarded by CEDD on 27 May 2024, and forwarded to ER, Contractor, ET and IEC.</p>	<p>Rodent problem at the junction of Shing Kai Road & Shing Fung Road</p>	<p><u>Investigation</u> Joint site inspection was conducted by Contractor (POC), ER, IEC and ET on 30 May 2024.</p> <ol style="list-style-type: none"> 1. Accumulation of waste was found in the concerned area, the grade road (Shing Kai Road to NAR) and the junction of Road D3 (Shing Kai Road Junction). 2. No trace of rats was found during inspection but flies were present. 3. Waste management measures were not implemented properly. There were no sufficient waste disposal points and regular dispose of waste at the concerned area 4. The complaint was project-related as improper disposal of waste could lead to occurrence of rats. <p><u>Action taken</u></p> <ol style="list-style-type: none"> 1. Poisonous rat bait was placed within the site boundary. 2. Workers received regular briefing about proper waste management 3. The general waste was collected and removed after site inspection on 30 May 2024. <p><u>Recommendations</u> There was related evidence showing that the waste nuisance at the concerned area was caused</p>	<p>- Close-out on 04 June 2024</p>

Date of complaint received	Date of complaint	Description of complaint	Investigation / Recommendations / Action take	Close-out date / Status
			<p>by the Contractor (POC). However, it is recommended to implement the following measures to minimize the impact of waste accumulation.</p> <ol style="list-style-type: none"> 1. Multiple waste disposal points should be set up for proper waste storage. 2. Frequency of waste cleaning and collection should be increased to prevent waste accumulation. 3. Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycle. 	

6.6 Complaint log is shown in Appendix H.

Notifications of summons and successful prosecutions

6.7 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	NA	NA	NA	NA

Date of receiving notification of summons or prosecutions period.	Date of event	Description of event	Action take	Close-out date / Status

6.8 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
03 April 2024	NA
09 April 2024	Opened cement bag@ ELD was cleared properly.
	Waste tyre found at toiler cum have been removed timely.

Inspection Date	Recommendations / Reminder
18 April 2024	NA
25 April 2024	NA
02 May 2024	NA
09 May 2024	The wastewater has been removed at pumping station.
14 May 2024	The stock of more than 20 bags of cement has been covered entirely by imperious sheeting placed in an area sheltered on the top and the three sides.
23 May 2024	The standing water have been removed at CLP power supply station.
30 May 2024	The stagnant water has been removed regularly at pumping station.
	The accumulation waste has been removed at grate road(Shing Kai Road to NAR).
06 June 2024	NA
11 June 2024	Waste (C&D & Domestic) found at pumping station & harbour step area have been removed timely.
	Fencing in tree protection zone has been maintained properly without any gap for unauthorized entry. Construction materials inside the protection zone is not allowed.
20 June 2024	NA
27 June 2024	The NRMM Label have been displayed on the PME at pumping station.
	The accumulation wastes have been removed at site office.

Conclusions

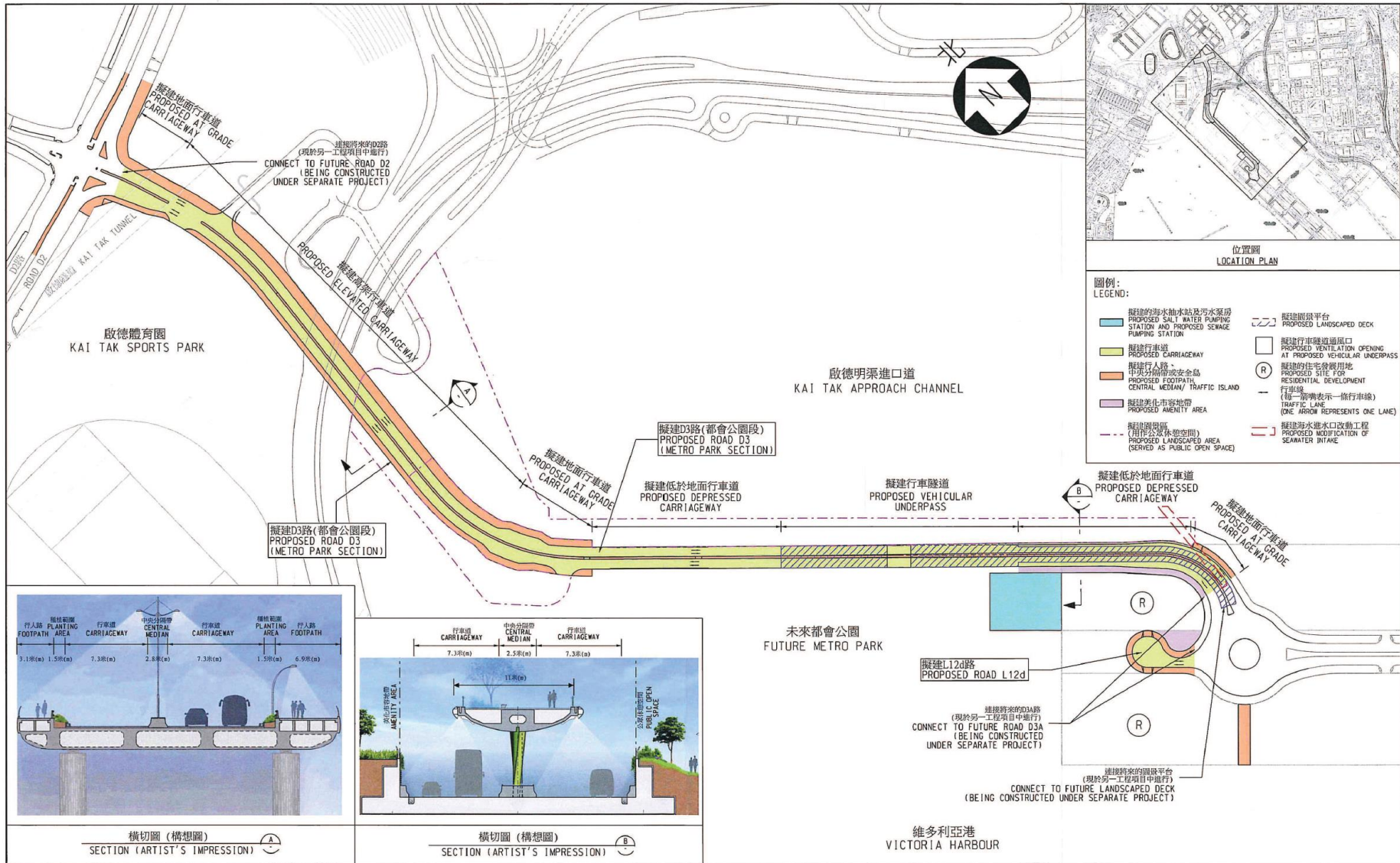
- 7.5 Environmental monitoring works were performed in the reporting period and all monitoring results were checked and reviewed.
- 7.6 1-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 September 2022. 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation since September 2022.
- 7.7 24-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 September 2022. No 24-hour TSP monitoring was conducted at AM4(A) because of the assess limitation since September 2022.
- 7.8 Construction noise monitoring was conducted as scheduled in the reporting period. Due to the

relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 September 2022. Impact monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation since September 2022.

7.9 No complaint was received in April and June 2024. Two complaints (dust and waste management) were received in May 2024. No further complaint was received in June 2024.

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

Figure



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A3 420MM X 297MM

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

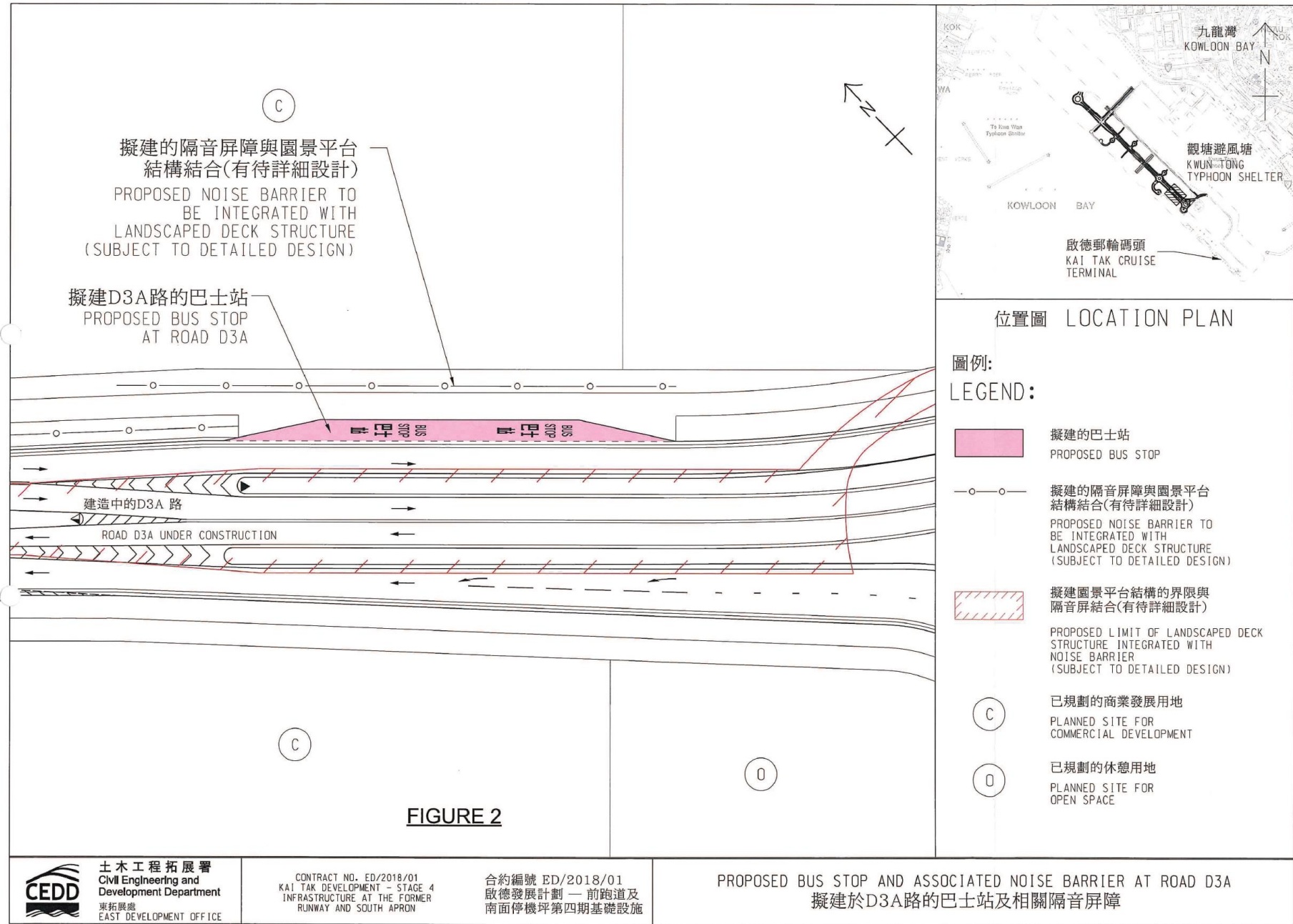


Figure 2 – Proposed Bus Stop And Associated Noise Barrier At Road D3A

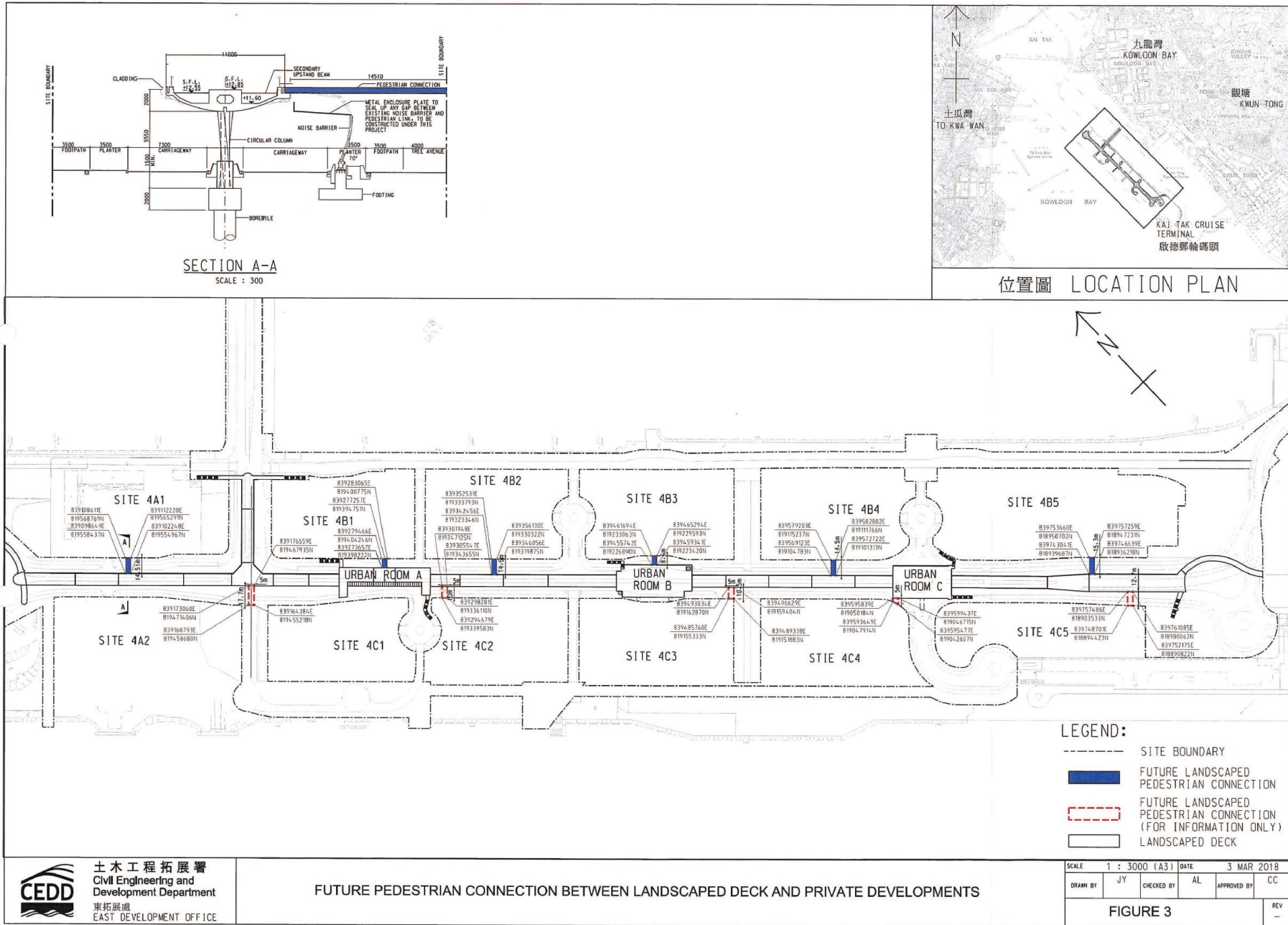
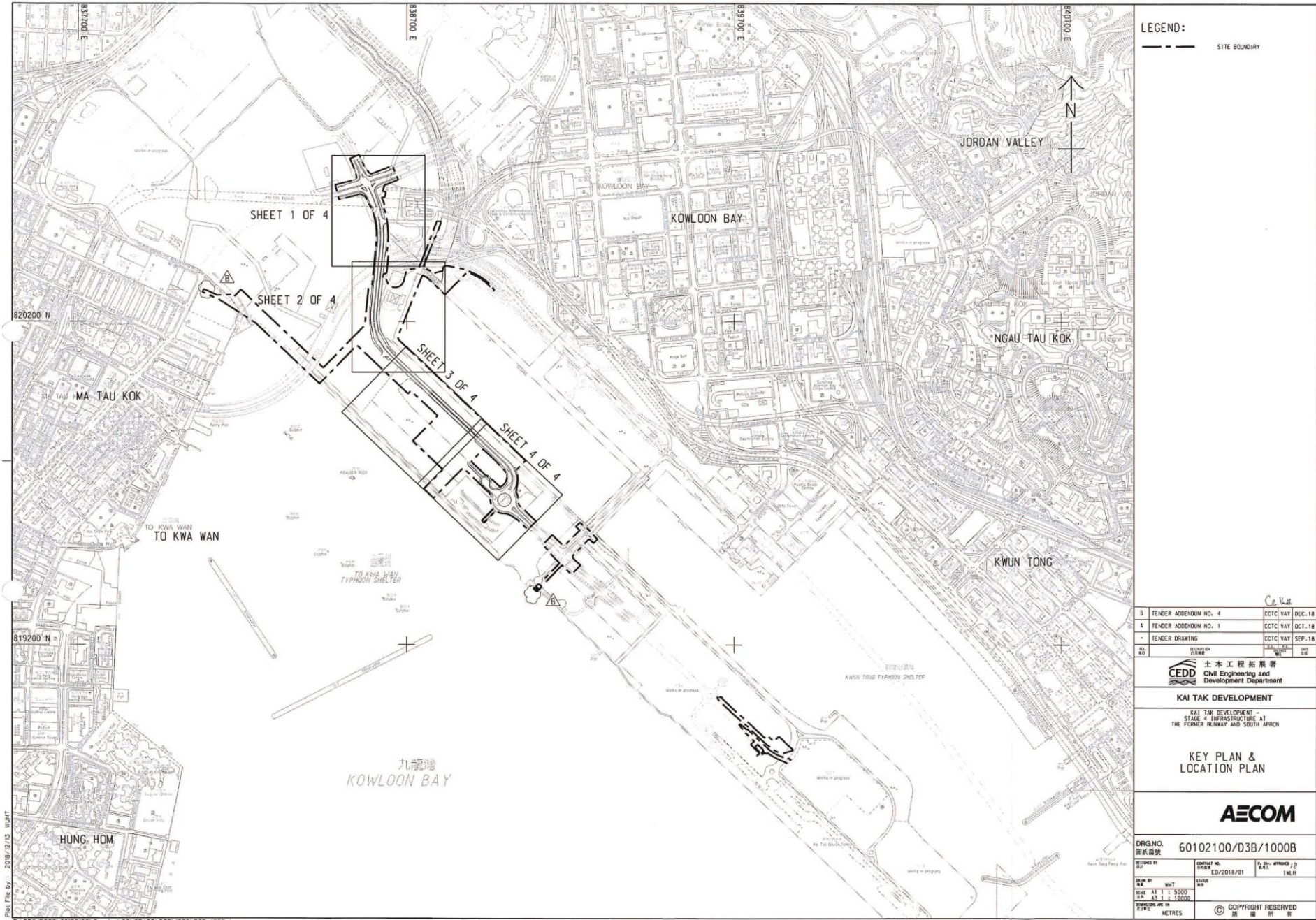


Figure 3 – Future Pedestrian Connection Between Landscaped Deck And Private Developments



LEGEND:
 --- SITE BOUNDARY

B	TENDER ADDENDUM NO. 4	CCTC VAY	DEC. 18
A	TENDER ADDENDUM NO. 1	CCTC VAY	DEC. 18
-	TENDER DRAWING	CCTC VAY	SEP. 18

CE 1818
 CEDD 土木工程拓展署
 Civil Engineering and
 Development Department

KAI TAK DEVELOPMENT
 KAI TAK DEVELOPMENT -
 STAGE 4 INFRASTRUCTURE AT
 THE FORMER RUNWAY AND SOUTH APRON

KEY PLAN &
 LOCATION PLAN

AECOM

DRGNO. 圖紙編號	60102100/D3B/1000B		
DESIGNED BY 設計	CONTRACT NO. 合約編號	DATE 日期	APPROVED BY 核准
	ED-2018/D1		IMEH
SHEET NO. 圖號	SCALE 比例尺	DATE 日期	
1	A1 1:5000 A3 1:10000		
REVISION NO. 修訂編號	METRES		
	© COPYRIGHT RESERVED 版權保留		

Figure 4 – Site Layout Plan

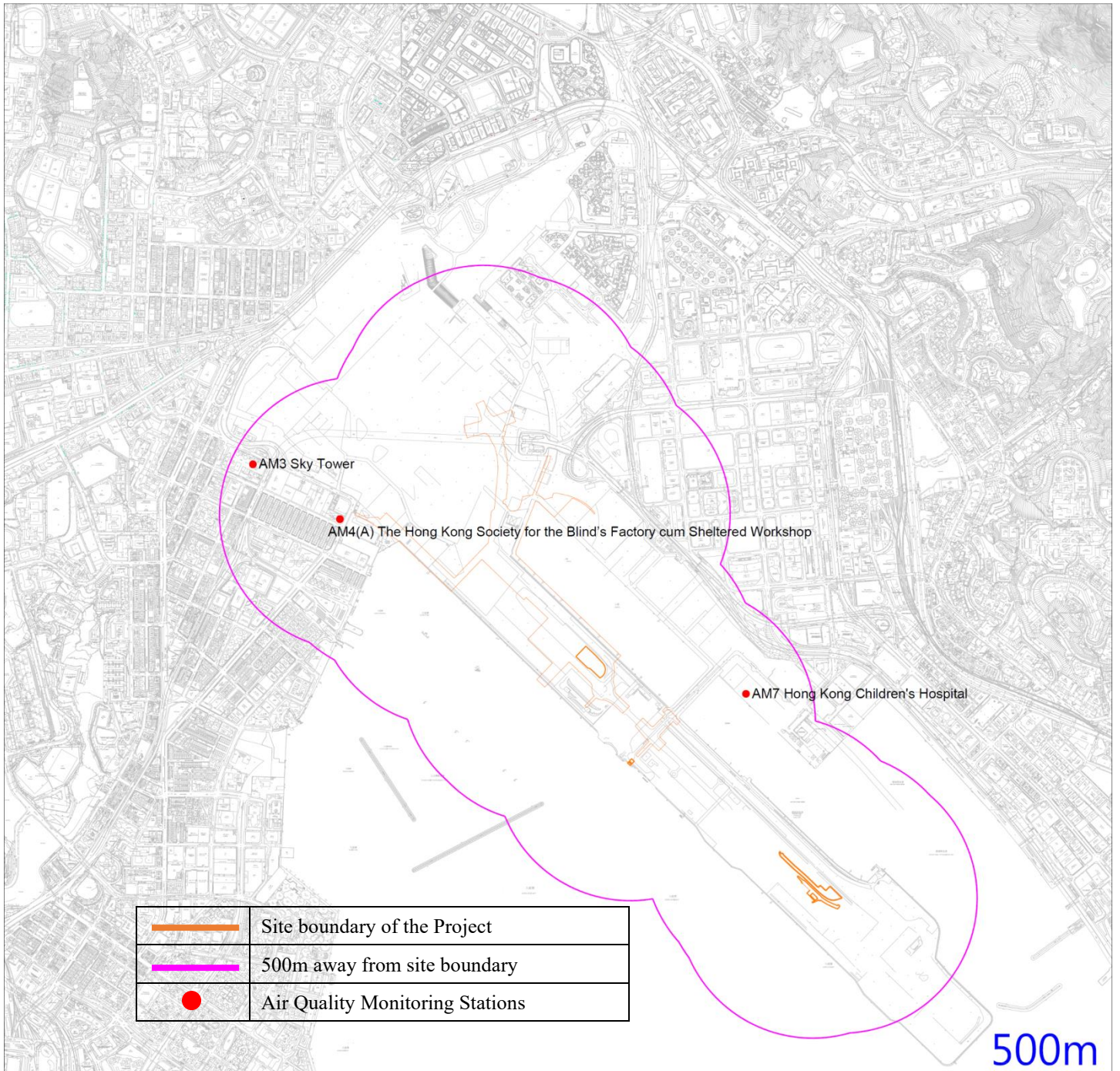


Figure 5 – Air Quality Monitoring Stations

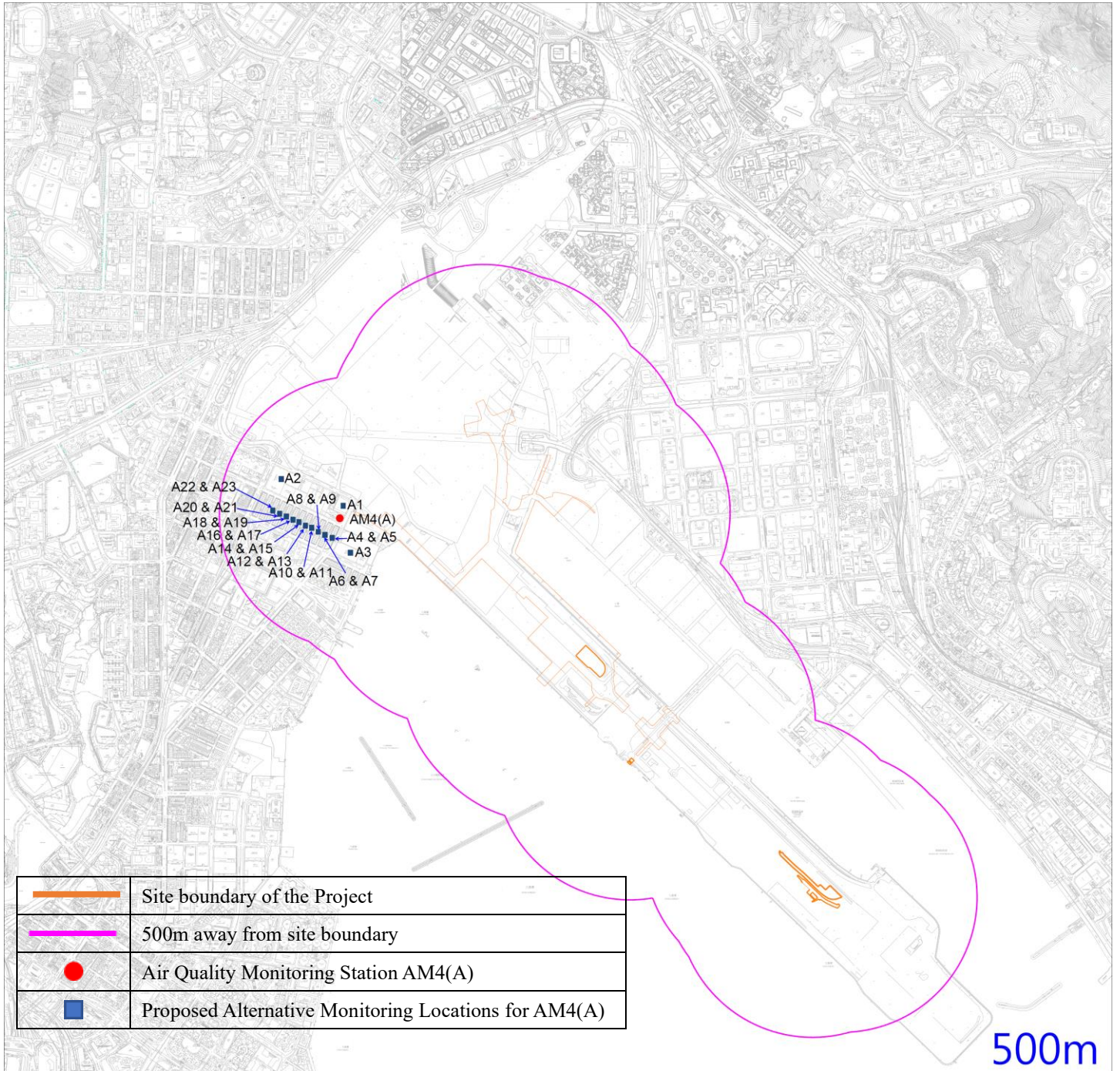


Figure 6 – Proposed Alternative Monitoring Locations for AM4(A)

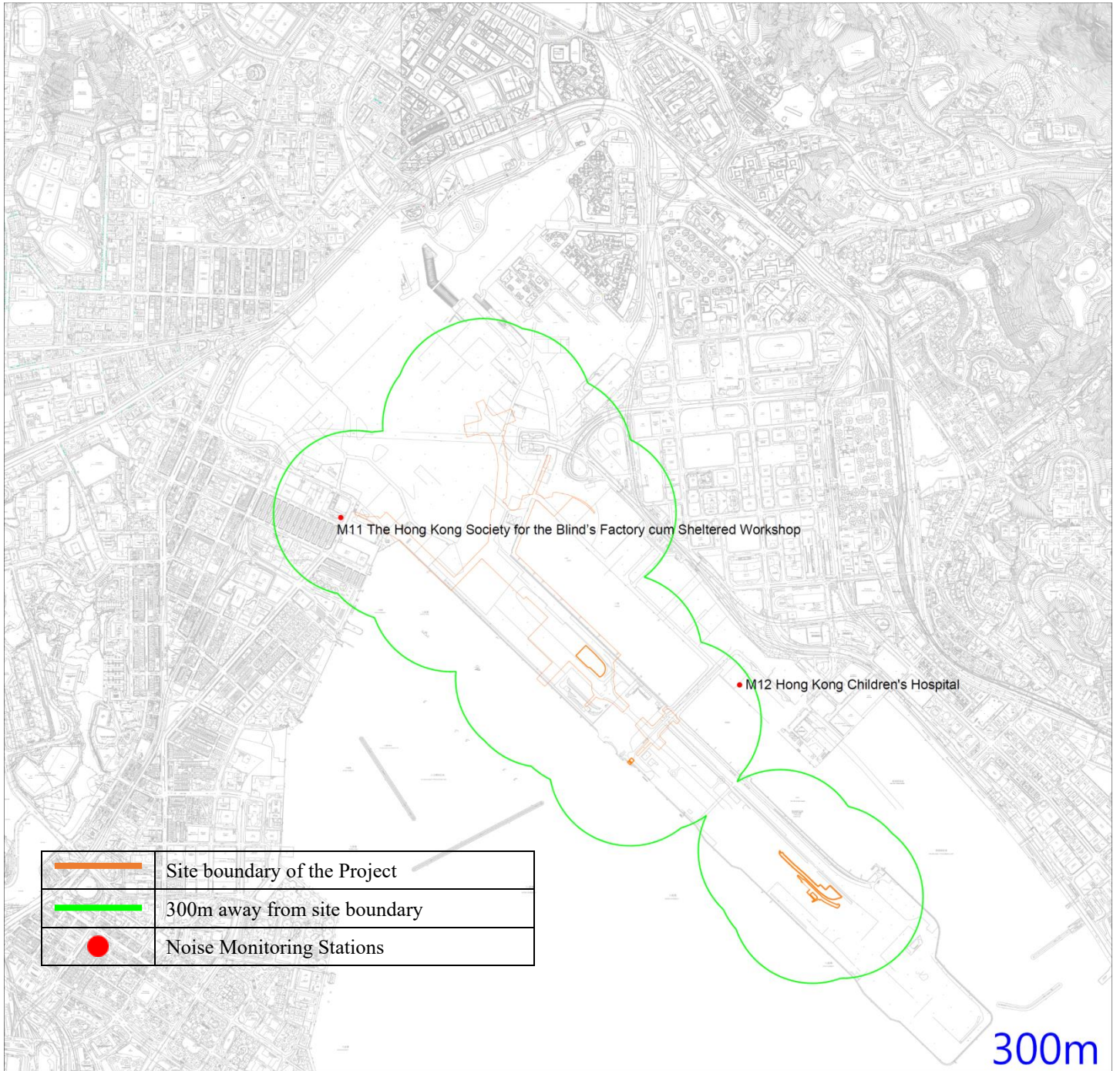
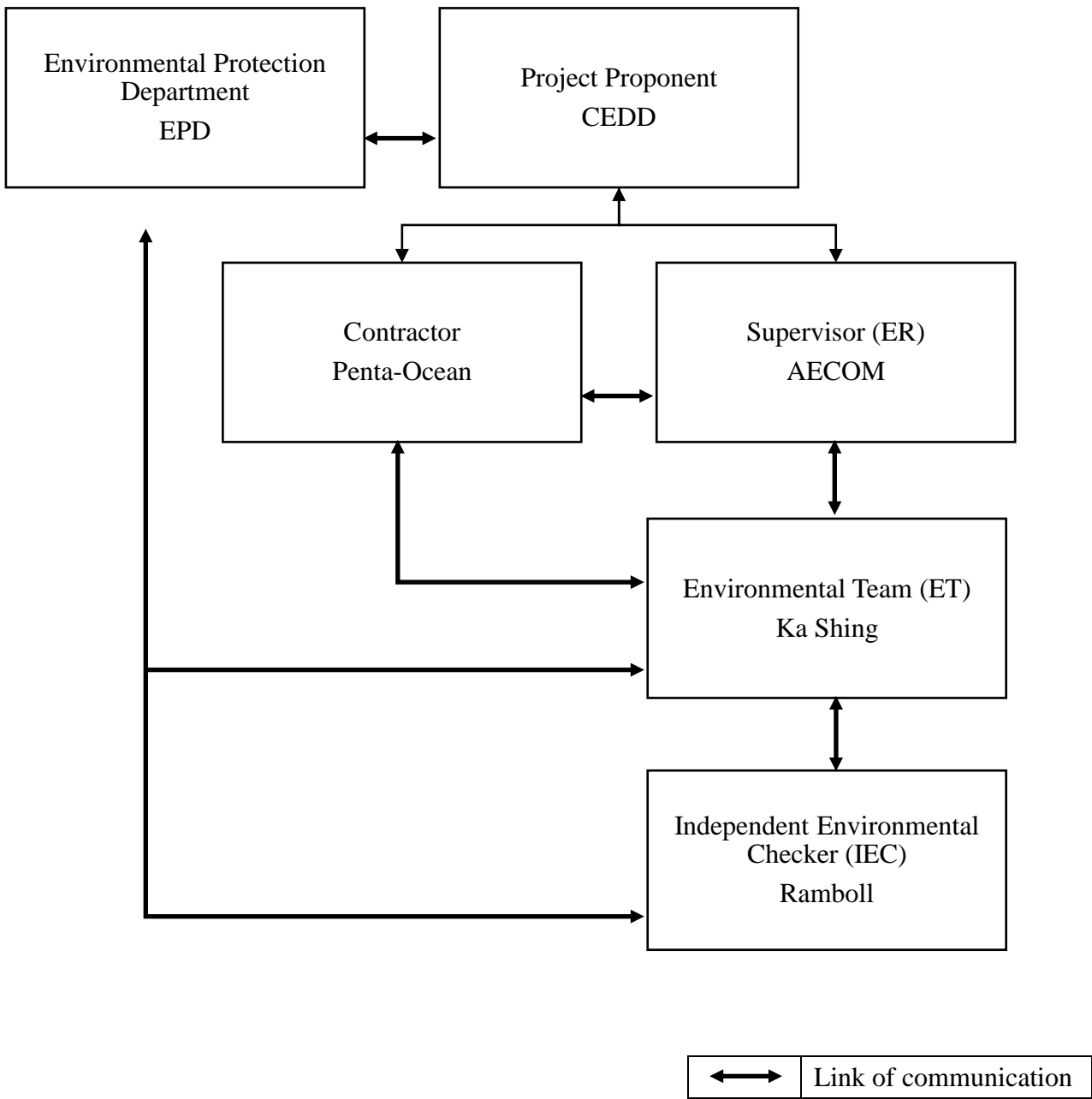


Figure 7 – Noise Monitoring Stations

**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



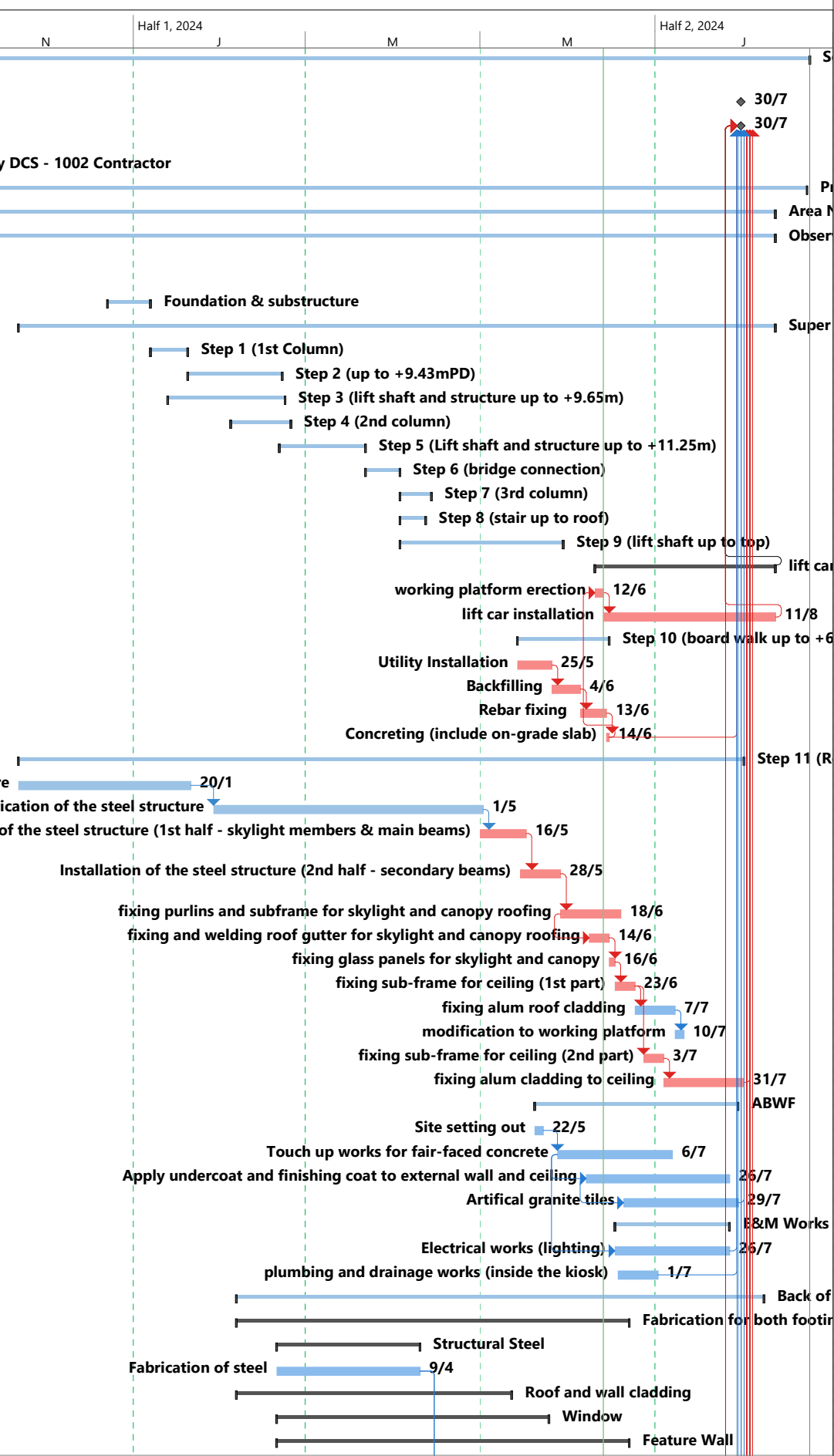
緊急應變小組成員及聯絡電話 Emergency Team Contact List

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 General 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	
<i>Ambulance Console (Hotline) 救護車總機 (Serious Injury)</i>		2735-3355	
<i>Fire Station (Ma Tau Chung) 消防處 (馬頭涌消防局)</i>		2711-0292	
<i>Police Station (Ngau Tau Kok) 警署 (牛頭角分區)</i>		3661-1626	
<i>LabourDept (Enquiry Hotline) 勞工處</i>		2717-1771	
<i>Environmental Protection Dept 環保處</i>		2802-3111	
<i>Marine Dept 海事處</i>			
Maritime Rescue Co-ordination Centre (24 hours)		2233-7999	
Marine Dept Harbour Division - Duty Officer		2885-9385	
<i>E&MD Dept 機電工程</i>		2882-8011 / 2333-3762	
<i>Highways Dept (24hrs) 路政處熱線</i>		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

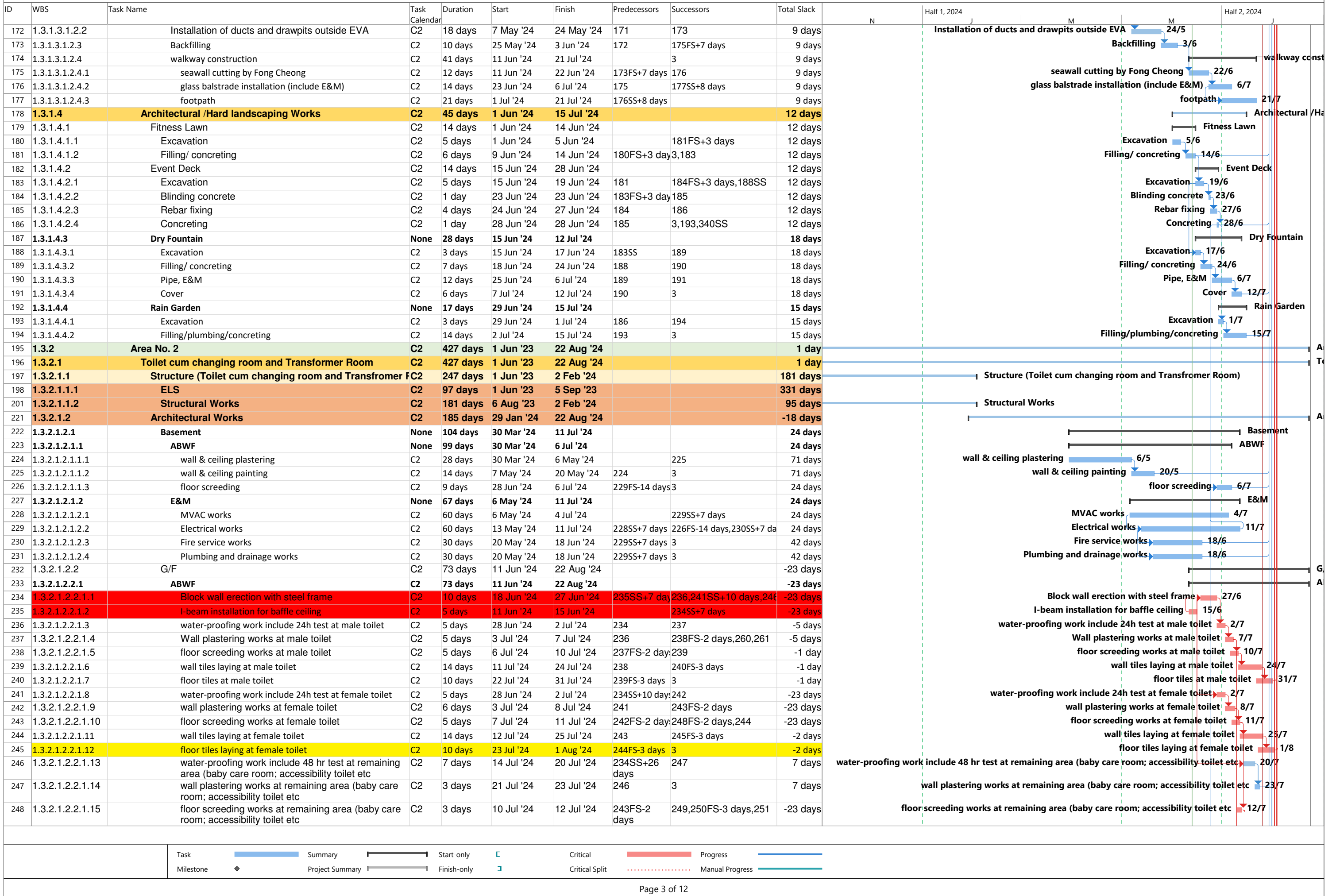
Appendix B – Construction Programme

ID	WBS	Task Name	Task Calendar	Duration	Start	Finish	Predecessors	Successors	Total Slack	Half 1, 2024		Half 2, 2024		
										N	J	M	M	J
1	1	Section 6C - Completion of remaining works within Parts 1, 2A, 2B, 2E, 3A to 3I, 4, 7B, 8, 9, 9A, 9B and 10 including landscape	C2	701 days?	1 Sep '22	23 Aug '24			0 days?	[Gantt bar]				
2	1.1	Summary	C2	0 days	30 Jul '24	30 Jul '24			0 days	[Gantt bar]				
3	1.1.1	Planned Section 6D completion (with Inclement weather upto end May 2024)	C2	0 days	30 Jul '24	30 Jul '24	26,68,60,37,7		-23 days	[Gantt bar]				
4	1.2	Twin DN 1400DI pipe by DCS - 1002 Contractor	C2	376 days	1 Sep '22	11 Sep '23			325 days	[Gantt bar]				
8	1.3	Promenade	C2	569 days	10 Jan '23	22 Aug '24			1 day	[Gantt bar]				
9	1.3.1	Area No.1	C2	558 days	10 Jan '23	11 Aug '24			12 days	[Gantt bar]				
10	1.3.1.1	Observation Deck	C2	558 days	10 Jan '23	11 Aug '24			12 days	[Gantt bar]				
11	1.3.1.1.1	Area return from KTE for Observation Deck area (due to the disruption by DCS 1002EM19A)	C2	0 days	10 Jan '23	10 Jan '23			570 days	[Gantt bar]				
12	1.3.1.1.2	Foundation & substructure	C2	15 days	23 Dec '23	6 Jan '24			-2 days	[Gantt bar]				
14	1.3.1.1.3	Super Structure	C2	242 days	22 Nov '23	11 Aug '24			12 days	[Gantt bar]				
15	1.3.1.1.3.1	Step 1 (1st Column)	C2	13 days	7 Jan '24	19 Jan '24			-2 days	[Gantt bar]				
21	1.3.1.1.3.2	Step 2 (up to +9.43mPD)	C2	21 days	20 Jan '24	21 Feb '24			150 days	[Gantt bar]				
27	1.3.1.1.3.3	Step 3 (lift shaft and structure up to +9.65m)	C2	29 days	13 Jan '24	22 Feb '24			-2 days	[Gantt bar]				
32	1.3.1.1.3.4	Step 4 (2nd column)	C2	9 days	4 Feb '24	24 Feb '24			-2 days	[Gantt bar]				
38	1.3.1.1.3.5	Step 5 (Lift shaft and structure up to +11.25m)	C2	30 days	21 Feb '24	21 Mar '24			-2 days	[Gantt bar]				
43	1.3.1.1.3.6	Step 6 (bridge connection)	C2	12 days	22 Mar '24	2 Apr '24			-2 days	[Gantt bar]				
49	1.3.1.1.3.7	Step 7 (3rd column)	C2	11 days	3 Apr '24	13 Apr '24			-2 days	[Gantt bar]				
55	1.3.1.1.3.8	Step 8 (stair up to roof)	C2	9 days	3 Apr '24	11 Apr '24			100 days	[Gantt bar]				
61	1.3.1.1.3.9	Step 9 (lift shaft up to top)	C2	47 days	3 Apr '24	29 May '24			-2 days	[Gantt bar]				
68	1.3.1.1.3.10	lift car installation	C2	63 days	10 Jun '24	11 Aug '24	3		-12 days	[Gantt bar]				
69	1.3.1.1.3.10.1	working platform erection	C2	3 days	10 Jun '24	12 Jun '24	75FS-5 days	70	-12 days	[Gantt bar]				
70	1.3.1.1.3.10.2	lift car installation	C2	60 days	13 Jun '24	11 Aug '24	69	3	-12 days	[Gantt bar]				
71	1.3.1.1.3.11	Step 10 (board walk up to +6.22mPD))	C2	32 days	14 May '24	14 Jun '24			-12 days	[Gantt bar]				
72	1.3.1.1.3.11.1	Utility Installation	C2	12 days	14 May '24	25 May '24	66	73	-12 days	[Gantt bar]				
73	1.3.1.1.3.11.2	Backfilling	C2	10 days	26 May '24	4 Jun '24	72	74	-12 days	[Gantt bar]				
74	1.3.1.1.3.11.3	Rebar fixing	C2	9 days	5 Jun '24	13 Jun '24	73	75	-12 days	[Gantt bar]				
75	1.3.1.1.3.11.4	Concreting (include on-grade slab)	C2	1 day	14 Jun '24	14 Jun '24	74	3,69FS-5 days	-12 days	[Gantt bar]				
76	1.3.1.1.3.12	Step 11 (Roofing works including ceiling)	C2	231 days	22 Nov '23	31 Jul '24			19 days	[Gantt bar]				
77	1.3.1.1.3.12.1	Design of the steel structure	C2	60 days	22 Nov '23	20 Jan '24		78	19 days	[Gantt bar]				
78	1.3.1.1.3.12.2	Fabrication of the steel structure	C2	75 days	29 Jan '24	1 May '24	77	79FS-13 days	11 days	[Gantt bar]				
79	1.3.1.1.3.12.3	Installation of the steel structure (1st half - skylight members & main beams)	C2	13 days	1 May '24	16 May '24	78FS-13 days,66,54	80FS-2 days	-1 day	[Gantt bar]				
80	1.3.1.1.3.12.4	Installation of the steel structure (2nd half - secondary beams)	C2	14 days	15 May '24	28 May '24	79FS-2 days	81	-1 day	[Gantt bar]				
81	1.3.1.1.3.12.5	fixing purlins and subframe for skylight and canopy roofing	C2	21 days	29 May '24	18 Jun '24	80	82SS+10 days	-1 day	[Gantt bar]				
82	1.3.1.1.3.12.6	fixing and welding roof gutter for skylight and canopy roofin	C2	7 days	8 Jun '24	14 Jun '24	81SS+10 days	83	-1 day	[Gantt bar]				
83	1.3.1.1.3.12.7	fixing glass panels for skylight and canopy	C2	2 days	15 Jun '24	16 Jun '24	82	84	-1 day	[Gantt bar]				
84	1.3.1.1.3.12.8	fixing sub-frame for ceiling (1st part)	C2	7 days	17 Jun '24	23 Jun '24	83	85,87FS+3 days	-1 day	[Gantt bar]				
85	1.3.1.1.3.12.9	fixing alum roof cladding	C2	14 days	24 Jun '24	7 Jul '24	84	86	44 days	[Gantt bar]				
86	1.3.1.1.3.12.10	modification to working platform	C2	3 days	8 Jul '24	10 Jul '24	85		44 days	[Gantt bar]				
87	1.3.1.1.3.12.11	fixing sub-frame for ceiling (2nd part)	C2	7 days	27 Jun '24	3 Jul '24	84FS+3 days	88	-1 day	[Gantt bar]				
88	1.3.1.1.3.12.12	fixing alum cladding to ceiling	C2	28 days	4 Jul '24	31 Jul '24	87	3	-1 day	[Gantt bar]				
89	1.3.1.1.4	ABWF	C2	71 days	20 May '24	29 Jul '24			1 day	[Gantt bar]				
90	1.3.1.1.4.1	Site setting out	C2	3 days	20 May '24	22 May '24		91	6 days	[Gantt bar]				
91	1.3.1.1.4.2	Touch up works for fair-faced concrete	C2	40 days	28 May '24	6 Jul '24	90	92SS+10 days,95SS+20 day	1 day	[Gantt bar]				
92	1.3.1.1.4.3	Apply undercoat and finishing coat to external wall and ceiling	C2	50 days	7 Jun '24	26 Jul '24	91SS+10 days	93SS+13 days	1 day	[Gantt bar]				
93	1.3.1.1.4.4	Artificial granite tiles	C2	40 days	20 Jun '24	29 Jul '24	92SS+13 days	3	1 day	[Gantt bar]				
94	1.3.1.1.5	E&M Works	C2	40 days	17 Jun '24	26 Jul '24			4 days	[Gantt bar]				
95	1.3.1.1.5.1	Electrical works (lighting)	C2	40 days	17 Jun '24	26 Jul '24	91SS+20 days	3	4 days	[Gantt bar]				
96	1.3.1.1.5.2	plumbing and drainage works (inside the kiosk)	C2	14 days	18 Jun '24	1 Jul '24		3	29 days	[Gantt bar]				
97	1.3.1.2	Back of house facilities (under bridge D3)	C2	162 days	6 Feb '24	7 Aug '24			16 days	[Gantt bar]				
98	1.3.1.2.1	Fabrication for both footings A & B	None	127 days	6 Feb '24	21 Jun '24			57 days	[Gantt bar]				
99	1.3.1.2.1.1	Structural Steel	None	50 days	20 Feb '24	9 Apr '24			111 days	[Gantt bar]				
100	1.3.1.2.1.1.1	Fabrication of steel	C2	50 days	20 Feb '24	9 Apr '24		118FS+5 days,137FS+5 day	101 days	[Gantt bar]				
101	1.3.1.2.1.2	Roof and wall cladding	None	86 days	6 Feb '24	11 May '24			104 days	[Gantt bar]				
109	1.3.1.2.1.3	Window	C2	85 days	20 Feb '24	24 May '24			53 days	[Gantt bar]				
113	1.3.1.2.1.4	Feature Wall	None	123 days	20 Feb '24	21 Jun '24			63 days	[Gantt bar]				

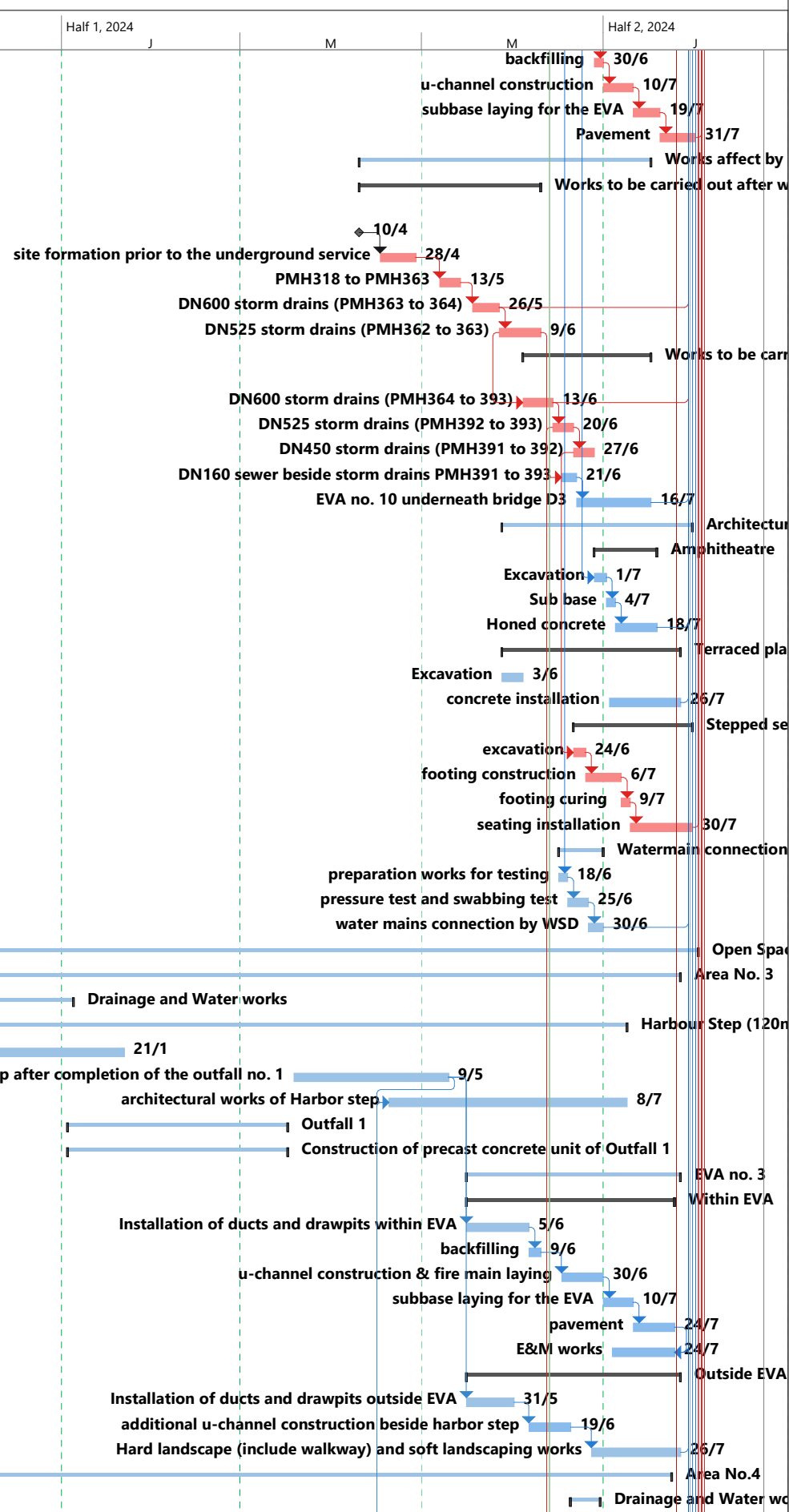


Task [Blue bar] Summary [Black bar] Start-only [Blue square] Critical [Red bar] Progress [Blue bar]

Milestone [Diamond] Project Summary [Black bar] Finish-only [Black square] Critical Split [Red bar] Manual Progress [Dotted red bar]



ID	WBS	Task Name	Task Calendar	Duration	Start	Finish	Predecessors	Successors	Total Slack	Gantt Chart	
										Half 1, 2024	Half 2, 2024
321	1.3.2.2.3.3.2	backfilling	C2	3 days	28 Jun '24	30 Jun '24	320	322	-1 day		
322	1.3.2.2.3.3.3	u-channel construction	C2	10 days	1 Jul '24	10 Jul '24	321	323	-1 day		
323	1.3.2.2.3.3.4	subbase laying for the EVA	C2	9 days	11 Jul '24	19 Jul '24	322	324	-1 day		
324	1.3.2.2.3.3.5	Pavement	C2	12 days	20 Jul '24	31 Jul '24	323	3	-1 day		
325	1.3.2.3	Works affect by OD (outside EVA no. 2)	C2	88 days	10 Apr '24	16 Jul '24			0 days		
326	1.3.2.3.1	Works to be carried out after water main diversion from Gammon complete	None	61 days	10 Apr '24	9 Jun '24			0 days		
327	1.3.2.3.1.1	water main in conflict with our drainage works divert by Gamn	None	0 days	10 Apr '24	10 Apr '24		328FS+7 days	0 days		
328	1.3.2.3.1.2	site formation prior to the underground service	C2	7 days	17 Apr '24	28 Apr '24	327FS+7 days	329FS+3 days	0 days		
329	1.3.2.3.1.3	PMH318 to PMH363	C2	7 days	7 May '24	13 May '24	328FS+3 days	330FS+4 days	0 days		
330	1.3.2.3.1.4	DN600 storm drains (PMH363 to 364)	C2	9 days	18 May '24	26 May '24	329FS+4 days	3,331	0 days		
331	1.3.2.3.1.5	DN525 storm drains (PMH362 to 363)	C2	14 days	27 May '24	9 Jun '24	330	333SS+8 days,1137	0 days		
332	1.3.2.3.2	Works to be carried out concurrently with the installation of steel roof of Observation Deck	None	43 days	4 Jun '24	16 Jul '24			0 days		
333	1.3.2.3.2.1	DN600 storm drains (PMH364 to 393)	C2	10 days	4 Jun '24	13 Jun '24	331SS+8 days	3,334	0 days		
334	1.3.2.3.2.2	DN525 storm drains (PMH392 to 393)	C2	7 days	14 Jun '24	20 Jun '24	333	335,336SS+3 days	0 days		
335	1.3.2.3.2.3	DN450 storm drains (PMH391 to 392)	C2	7 days	21 Jun '24	27 Jun '24	334	347SS	0 days		
336	1.3.2.3.2.4	DN160 sewer beside storm drains PMH391 to 393	C2	5 days	17 Jun '24	21 Jun '24	334SS+3 days	337	14 days		
337	1.3.2.3.2.5	EVA no. 10 underneath bridge D3	C2	25 days	22 Jun '24	16 Jul '24	336	3	14 days		
338	1.3.2.4	Architectural/ Hard Landscaping Works	C2	64 days	28 May '24	30 Jul '24			24 days		
339	1.3.2.4.1	Amphitheatre	C2	21 days	28 Jun '24	18 Jul '24			12 days		
340	1.3.2.4.1.1	Excavation	C2	4 days	28 Jun '24	1 Jul '24	186SS	341	12 days		
341	1.3.2.4.1.2	Sub base	C2	3 days	2 Jul '24	4 Jul '24	340	342	12 days		
342	1.3.2.4.1.3	Honed concrete	C2	14 days	5 Jul '24	18 Jul '24	341	3	12 days		
343	1.3.2.4.2	Terraced planter	None	60 days	28 May '24	26 Jul '24			28 days		
344	1.3.2.4.2.1	Excavation	C2	7 days	28 May '24	3 Jun '24			81 days		
345	1.3.2.4.2.2	concrete installation	C2	24 days	3 Jul '24	26 Jul '24		3	4 days		
346	1.3.2.4.3	Stepped seating (underneath bridge D3)	None	40 days	21 Jun '24	30 Jul '24			0 days		
347	1.3.2.4.3.1	excavation	C2	4 days	21 Jun '24	24 Jun '24	335SS	348	0 days		
348	1.3.2.4.3.2	footing construction	C2	12 days	25 Jun '24	6 Jul '24	347	349	0 days		
349	1.3.2.4.3.3	footing curing	C2	3 days	7 Jul '24	9 Jul '24	348	350	0 days		
350	1.3.2.4.3.4	seating installation	C2	21 days	10 Jul '24	30 Jul '24	349	3	0 days		
351	1.3.3	Watermain connection between Area No.1 and 2	None	15 days	16 Jun '24	30 Jun '24			30 days		
352	1.3.3.1	preparation works for testing	C2	3 days	16 Jun '24	18 Jun '24	301	353	30 days		
353	1.3.3.2	pressure test and swabbing test	C2	7 days	19 Jun '24	25 Jun '24	352	354	30 days		
354	1.3.3.3	water mains connection by WSD	C2	5 days	26 Jun '24	30 Jun '24	353	3	30 days		
355	1.4	Open Space Beside Existing Seawall	C2	251 days	3 Nov '23	1 Aug '24			22 days		
356	1.4.1	Area No. 3	C2	245 days	3 Nov '23	26 Jul '24			28 days		
357	1.4.1.1	Drainage and Water works	C2	42 days	24 Nov '23	4 Jan '24			210 days		
360	1.4.1.2	Harbour Step (120m)	C2	227 days	3 Nov '23	8 Jul '24			46 days		
361	1.4.1.2.1	Harbour step (upto the work zone of outfall no.1)	C2	80 days	3 Nov '23	21 Jan '24			193 days		
362	1.4.1.2.2	Remaining harbour step after completion of the outfall no. 1	C2	42 days	19 Mar '24	9 May '24	384FS+2 day,363FS-10 days,387FS+		4 days		
363	1.4.1.2.3	architectural works of Harbor step	C2	70 days	20 Apr '24	8 Jul '24	362FS-10 da,402SS,691SS		22 days		
364	1.4.1.3	Outfall 1	C2	62 days	3 Jan '24	16 Mar '24			4 days		
365	1.4.1.3.1	Construction of precast concrete unit of Outfall 1	C2	62 days	3 Jan '24	16 Mar '24			4 days		
385	1.4.1.4	EVA no. 3	C2	72 days	16 May '24	26 Jul '24			4 days		
386	1.4.1.4.1	Within EVA	None	70 days	16 May '24	24 Jul '24			6 days		
387	1.4.1.4.1.1	Installation of ducts and drawpits within EVA	C2	21 days	16 May '24	5 Jun '24	362FS+6 day,388		6 days		
388	1.4.1.4.1.2	backfilling	C2	4 days	6 Jun '24	9 Jun '24	387	389FS+7 days	6 days		
389	1.4.1.4.1.3	u-channel construction & fire main laying	C2	14 days	17 Jun '24	30 Jun '24	388FS+7 days	390	6 days		
390	1.4.1.4.1.4	subbase laying for the EVA	C2	10 days	1 Jul '24	10 Jul '24	389	391	6 days		
391	1.4.1.4.1.5	pavement	C2	14 days	11 Jul '24	24 Jul '24	390	392FF	6 days		
392	1.4.1.4.1.6	E&M works	C2	21 days	4 Jul '24	24 Jul '24	391FF	3	6 days		
393	1.4.1.4.2	Outside EVA	None	72 days	16 May '24	26 Jul '24			4 days		
394	1.4.1.4.2.1	Installation of ducts and drawpits outside EVA	C2	16 days	16 May '24	31 May '24	362FS+6 day,395FS+5 days		4 days		
395	1.4.1.4.2.2	additional u-channel construction beside harbor step	C2	14 days	6 Jun '24	19 Jun '24	394FS+5 days	399,396FS+7 days	4 days		
396	1.4.1.4.2.3	Hard landscape (include walkway) and soft landscaping works	C2	30 days	27 Jun '24	26 Jul '24	395FS+7 day,3		4 days		
397	1.4.2	Area No.4	C2	242 days	3 Nov '23	23 Jul '24			7 days		
398	1.4.2.1	Drainage and Water works	C2	10 days	20 Jun '24	29 Jun '24			31 days		



Task Summary Start-only Critical Progress
Milestone Project Summary Finish-only Critical Split Manual Progress

ID	WBS	Task Name	Task Calendar	Duration	Start	Finish	Predecessors	Successors	Total Slack	Gantt Chart	
400	1.4.2.2	Harbour Step (120m)	C2	227 days	3 Nov '23	8 Jul '24			22 days	Harbour Step (120m)	
401	1.4.2.2.1	Harbour step (upto the work zone of outfall no.1)	C2	80 days	3 Nov '23	21 Jan '24		3	169 days	21/1	
402	1.4.2.2.2	architectural works of Harbor step	C2	70 days	20 Apr '24	8 Jul '24	363SS	3	22 days	architectural works of Harbor step 8/7	
403	1.4.2.3	EVA no. 4	C2	117 days	19 Mar '24	23 Jul '24			7 days	EVA no. 4	
404	1.4.2.3.1	Within EVA	None	127 days	19 Mar '24	23 Jul '24			7 days	Within EVA	
405	1.4.2.3.1.1	Installation of ducts and drawpits within EVA	C2	60 days	19 Mar '24	27 May '24		412SS,406FS+2 days	7 days	Installation of ducts and drawpits within EVA 27/5	
406	1.4.2.3.1.2	backfilling	C2	5 days	30 May '24	3 Jun '24	405FS+2 days	407FS+10 days	7 days	backfilling 3/6	
407	1.4.2.3.1.3	u-channel construction & fire main laying	C2	14 days	14 Jun '24	27 Jun '24	406FS+10 days	408	7 days	u-channel construction & fire main laying 27/6	
408	1.4.2.3.1.4	Subbase laying for the EVA	C2	10 days	28 Jun '24	7 Jul '24	407	409	7 days	Subbase laying for the EVA 7/7	
409	1.4.2.3.1.5	pavement	C2	16 days	8 Jul '24	23 Jul '24	408	410FF	7 days	pavement 23/7	
410	1.4.2.3.1.6	E&M works	C2	21 days	3 Jul '24	23 Jul '24	409FF	3	7 days	E&M works 23/7	
411	1.4.2.3.2	Outside EVA	None	118 days	19 Mar '24	14 Jul '24			16 days	Outside EVA	
412	1.4.2.3.2.1	Installation of ducts and drawpits outside EVA	C2	60 days	19 Mar '24	27 May '24	405SS	413FS+14 days	16 days	Installation of ducts and drawpits outside EVA 27/5	
413	1.4.2.3.2.2	additional u-channel construction beside harbor step	C2	14 days	11 Jun '24	24 Jun '24	412FS+14 days	414	16 days	additional u-channel construction beside harbor step 24/6	
414	1.4.2.3.2.3	Hard landscape and soft landscaping works (include walkway)	C2	20 days	25 Jun '24	14 Jul '24	413	3	16 days	Hard landscape and soft landscaping works (include walkway) 14/7	
415	1.4.3	Area No.5	C2	203 days	21 Dec '23	1 Aug '24			22 days	Area No.5	
416	1.4.3.1	Drainage and Water works	C2	32 days	28 Apr '24	3 Jun '24			18 days	Drainage and Water works	
419	1.4.3.2	Outfall 2	C2	162 days	21 Dec '23	21 Jun '24			40 days	Outfall 2	
456	1.4.3.3	Floating Stage	C2	125 days	22 Jan '24	16 Jun '24			68 days	Floating Stage	
457	1.4.3.3.1	Preparation Works	C2	40 days	22 Jan '24	13 Mar '24			129 days	Preparation Works	
460	1.4.3.3.2	Type 2B (CHA0.00 ~ CHA7.13) - Bay 1	C2	44 days	25 Jan '24	20 Mar '24			146 days	Type 2B (CHA0.00 ~ CHA7.13) - Bay 1	
477	1.4.3.3.3	Type 2A (CHA7.13 ~ CHA16.58) - Bay 2	C2	76 days	27 Jan '24	28 Apr '24			88 days	Type 2A (CHA7.13 ~ CHA16.58) - Bay 2	
494	1.4.3.3.4	Type 2A (CHA16.58 ~ CHA28.46) - Bay 3	C2	72 days	27 Jan '24	19 Apr '24			116 days	Type 2A (CHA16.58 ~ CHA28.46) - Bay 3	
511	1.4.3.3.5	Type 2A (CHA28.46 ~ CHA41.49) - Bay 4	C2	64 days	14 Mar '24	26 May '24			65 days	Type 2A (CHA28.46 ~ CHA41.49) - Bay 4	
529	1.4.3.3.6	Type 1A (CHA41.49 ~ CHA52.82) (C-shape structure) - Bay 5	C2	69 days	14 Mar '24	31 May '24			60 days	Type 1A (CHA41.49 ~ CHA52.82) (C-shape structure) - Bay 5	
545	1.4.3.3.7	Type 2A (CHA52.82 ~ CHA71.82) - Bay 6	C2	41 days	16 Apr '24	5 Jun '24			55 days	Type 2A (CHA52.82 ~ CHA71.82) - Bay 6	
563	1.4.3.3.8	Type 1B (CHA71.82 ~ CHA97.49) (C-shape structure) - Bay 7	C2	74 days	25 Mar '24	16 Jun '24			44 days	Type 1B (CHA71.82 ~ CHA97.49) (C-shape structure) - Bay 7	
564	1.4.3.3.8.1	Excavation for construction of Floating Stage	C2	15 days	25 Mar '24	8 Apr '24		565	93 days	Excavation for construction of Floating Stage 8/4	
565	1.4.3.3.8.2	Placing blinding concrete	C2	1 day	9 Apr '24	9 Apr '24	564	567	93 days	Placing blinding concrete 9/4	
566	1.4.3.3.8.3	Base slab construction	None	9 days	10 Apr '24	18 Apr '24			103 days	Base slab construction	
572	1.4.3.3.8.4	Wall construction	None	20 days	28 May '24	16 Jun '24			44 days	Wall construction	
573	1.4.3.3.8.4.1	Erection of scaffold working platform	C2	4 days	28 May '24	31 May '24	594SS+1 day	574	44 days	Erection of scaffold working platform 31/5	
574	1.4.3.3.8.4.2	Erection of timber & GRP formwork for wall	C2	6 days	1 Jun '24	6 Jun '24	573	575SS+2 days,576	44 days	Erection of timber & GRP formwork for wall 6/6	
575	1.4.3.3.8.4.3	Rebar fixing for wall	C2	3 days	3 Jun '24	5 Jun '24	574SS+2 day	3	55 days	Rebar fixing for wall 5/6	
576	1.4.3.3.8.4.4	Concreting of wall	C2	1 day	7 Jun '24	7 Jun '24	574	577FS+2 days,578FS+2	44 days	Concreting of wall 7/6	
577	1.4.3.3.8.4.5	Dismantle of timber formwork for wall and scaffold working platform	C2	7 days	10 Jun '24	16 Jun '24	576FS+2 days	3	44 days	Dismantle of timber formwork for wall and scaffold working platform 16/6	
578	1.4.3.3.8.4.6	Backfilling with rockfill material behind the Floating Stage structure	C2	3 days	10 Jun '24	12 Jun '24	576FS+2 days	3	48 days	Backfilling with rockfill material behind the Floating Stage structure 12/6	
579	1.4.3.3.9	Type 2A (CHA97.49 ~ CHA118.37) - Bay 8	C2	33 days	28 Apr '24	4 Jun '24			3 days	Type 2A (CHA97.49 ~ CHA118.37) - Bay 8	
596	1.4.3.3.10	Type 1A (CHA118.37 ~ CHA133.81) (C-shape structure) - Bay 9	C2	42 days	1 May '24	14 Jun '24			2 days	Type 1A (CHA118.37 ~ CHA133.81) (C-shape structure) - Bay 9	
597	1.4.3.3.10.1	Fabrication of GRP mould	C2	14 days	1 May '24	17 May '24			98 days	Fabrication of GRP mould 17/5	
598	1.4.3.3.10.2	Relocation of excavated armour rock to Part 4 of the Site	C2	7 days	5 May '24	11 May '24		599	1 day	Relocation of excavated armour rock to Part 4 of the Site 11/5	
599	1.4.3.3.10.3	Excavation for construction of Floating Stage	C2	7 days	12 May '24	18 May '24	598	600,615SS	1 day	Excavation for construction of Floating Stage 18/5	
600	1.4.3.3.10.4	Placing blinding concrete	C2	1 day	19 May '24	19 May '24	599	602	63 days	Placing blinding concrete 19/5	
601	1.4.3.3.10.5	Base slab construction	None	9 days	20 May '24	28 May '24			63 days	Base slab construction	
607	1.4.3.3.10.6	Wall construction	None	18 days	28 May '24	14 Jun '24			3 days	Wall construction	
608	1.4.3.3.10.6.1	Erection of scaffold working platform	C2	1 day	28 May '24	28 May '24	594SS+1 day	3,609	3 days	Erection of scaffold working platform 28/5	
609	1.4.3.3.10.6.2	Erection of timber & GRP formwork for wall	C2	8 days	29 May '24	5 Jun '24	608	610SS+4 days	3 days	Erection of timber & GRP formwork for wall 5/6	
610	1.4.3.3.10.6.3	Rebar fixing for wall	C2	2 days	2 Jun '24	3 Jun '24	609SS+4 day	611	3 days	Rebar fixing for wall 3/6	
611	1.4.3.3.10.6.4	Concreting of wall	C2	1 day	4 Jun '24	4 Jun '24	610	612FS+2 days	3 days	Concreting of wall 4/6	
612	1.4.3.3.10.6.5	Dismantle of timber formwork for wall and scaffold working platform	C2	5 days	7 Jun '24	11 Jun '24	611FS+2 days	613	3 days	Dismantle of timber formwork for wall and scaffold working platform 11/6	
613	1.4.3.3.10.6.6	Backfilling with rockfill material behind the Floating Stage structure	C2	3 days	12 Jun '24	14 Jun '24	612	677	3 days	Backfilling with rockfill material behind the Floating Stage structure 14/6	
614	1.4.3.3.11	Type 2A (CHA133.81 ~ CHA137.55, adjacent Outfall 2) - Bay 10	C2	36 days	12 May '24	16 Jun '24			1 day	Type 2A (CHA133.81 ~ CHA137.55, adjacent Outfall 2) - Bay 10	
615	1.4.3.3.11.1	Excavation for construction of Floating Stage	C2	6 days	12 May '24	17 May '24	599SS	616,631SS	1 day	Excavation for construction of Floating Stage 17/5	
616	1.4.3.3.11.2	Placing blinding concrete	C2	1 day	18 May '24	18 May '24	615	618	1 day	Placing blinding concrete 18/5	
617	1.4.3.3.11.3	Base slab construction	None	9 days	19 May '24	27 May '24			1 day	Base slab construction	
623	1.4.3.3.11.4	Wall construction	None	20 days	28 May '24	16 Jun '24			1 day	Wall construction	

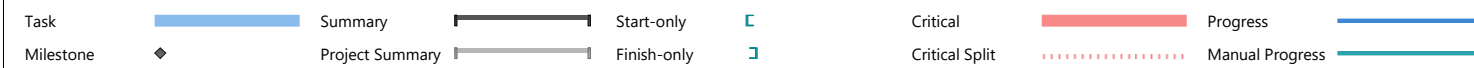
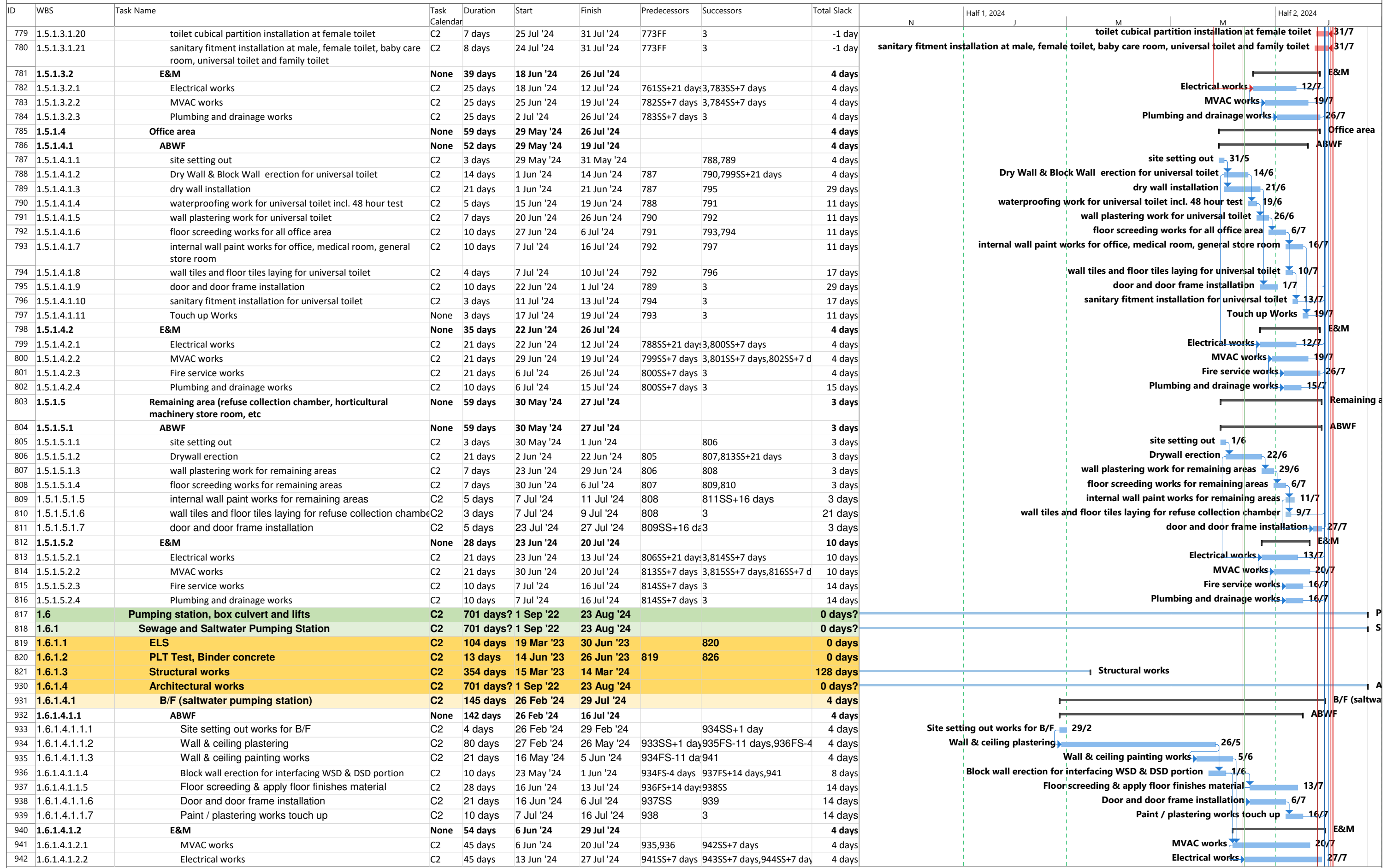
Task ■ Summary ▬ Start-only ┌ Critical ▬ Progress ▬
Milestone ◆ Project Summary ▬ Finish-only ┐ Critical Split ▬ Manual Progress ▬

ID	WBS	Task Name	Task Calendar	Duration	Start	Finish	Predecessors	Successors	Total Slack	Gantt Chart	
624	1.4.3.3.11.4.1	Erection of scaffold working platform	C2	1 day	28 May '24	28 May '24	622	625	1 day		
625	1.4.3.3.11.4.2	Rebar fixing for wall	C2	3 days	29 May '24	31 May '24	624	626	1 day		
626	1.4.3.3.11.4.3	Erection of timber formwork for wall	C2	3 days	1 Jun '24	3 Jun '24	625	627	1 day		
627	1.4.3.3.11.4.4	Concreting of wall	C2	1 day	4 Jun '24	4 Jun '24	626	628FS+2 days	1 day		
628	1.4.3.3.11.4.5	Dismantle of timber formwork for wall and scaffold working platform	C2	7 days	7 Jun '24	13 Jun '24	627FS+2 days	629	1 day		
629	1.4.3.3.11.4.6	Backfilling with rockfill material behind the Floating Stage structure	C2	3 days	14 Jun '24	16 Jun '24	628	677	1 day		
630	1.4.3.3.12	Type 2A (CHB0.00 ~ CHB14.30, adjacent Outfall 2) - Bay C2	C2	35 days	12 May '24	15 Jun '24			2 days		
631	1.4.3.3.12.1	Excavation for construction of Floating Stage	C2	8 days	12 May '24	19 May '24	615SS	632,647SS	2 days		
632	1.4.3.3.12.2	Placing blinding concrete	C2	1 day	20 May '24	20 May '24	631	634	2 days		
633	1.4.3.3.12.3	Base slab construction	None	7 days	21 May '24	27 May '24			2 days		
639	1.4.3.3.12.4	Wall construction	None	20 days	27 May '24	15 Jun '24			2 days		
640	1.4.3.3.12.4.1	Erection of scaffold working platform	C2	1 day	27 May '24	27 May '24	637	641	2 days		
641	1.4.3.3.12.4.2	Rebar fixing for wall	C2	4 days	28 May '24	31 May '24	640	642	2 days		
642	1.4.3.3.12.4.3	Erection of timber formwork for wall	C2	3 days	1 Jun '24	3 Jun '24	641	643	2 days		
643	1.4.3.3.12.4.4	Concreting of wall	C2	1 day	4 Jun '24	4 Jun '24	642	644FS+2 days,677	2 days		
644	1.4.3.3.12.4.5	Dismantle of timber formwork for wall and scaffold working platform	C2	6 days	7 Jun '24	12 Jun '24	643FS+2 days	645	2 days		
645	1.4.3.3.12.4.6	Backfilling with rockfill material behind the Floating Stage structure	C2	3 days	13 Jun '24	15 Jun '24	644	677	2 days		
646	1.4.3.3.13	Type 2A (CHB14.30 ~ CHB32.32) - Bay 12	C2	33 days	12 May '24	13 Jun '24			4 days		
662	1.4.3.4	EVA no.5	C2	53 days	7 Jun '24	29 Jul '24			-2 days		
663	1.4.3.4.1	Beside floating stage bays 1 to 4	None	49 days	7 Jun '24	25 Jul '24			-2 days		
664	1.4.3.4.1.1	Installation of duct and drawpit	C2	12 days	7 Jun '24	18 Jun '24	417FS+3 day	665,671SS+5 days	-2 days		
665	1.4.3.4.1.2	backfilling	C2	4 days	19 Jun '24	22 Jun '24	664	666	5 days		
666	1.4.3.4.1.3	u-channel construction & fire main laying	C2	12 days	23 Jun '24	4 Jul '24	665	667	5 days		
667	1.4.3.4.1.4	subbase laying for the EVA	C2	9 days	5 Jul '24	13 Jul '24	666	668	5 days		
668	1.4.3.4.1.5	Pavement	C2	12 days	14 Jul '24	25 Jul '24	667	669FF	5 days		
669	1.4.3.4.1.6	E&M works	C2	21 days	5 Jul '24	25 Jul '24	668FF	3	5 days		
670	1.4.3.4.2	Beside floating stage bays 5 to 8	None	47 days	12 Jun '24	28 Jul '24			-2 days		
671	1.4.3.4.2.1	Installation of duct and drawpits concurrently with the floating stage bays 4 to 8	C2	14 days	12 Jun '24	25 Jun '24	664SS+5 days	672	-2 days		
672	1.4.3.4.2.2	u-channel construction & fire main laying	C2	12 days	26 Jun '24	7 Jul '24	671	673	-2 days		
673	1.4.3.4.2.3	subbase laying for the EVA	C2	9 days	8 Jul '24	16 Jul '24	672	674,684SS	-2 days		
674	1.4.3.4.2.4	pavement	C2	12 days	17 Jul '24	28 Jul '24	673	675FF	2 days		
675	1.4.3.4.2.5	E&M works	C2	21 days	8 Jul '24	28 Jul '24	674FF	3	2 days		
676	1.4.3.4.3	Beside floating stage 8 to 11	None	43 days	17 Jun '24	29 Jul '24			1 day		
677	1.4.3.4.3.1	sewage works (DF2a > DF1c > DF1d)	C2	6 days	17 Jun '24	22 Jun '24	613,629,645,	453SS-7 days,678	1 day		
678	1.4.3.4.3.2	Installation of duct and drawpits	C2	9 days	23 Jun '24	1 Jul '24	677	679	1 day		
679	1.4.3.4.3.3	u-channel construction & fire main laying	C2	10 days	2 Jul '24	11 Jul '24	678	680	1 day		
680	1.4.3.4.3.4	subbase laying for the EVA	C2	8 days	12 Jul '24	19 Jul '24	679	681	1 day		
681	1.4.3.4.3.5	pavement	C2	10 days	20 Jul '24	29 Jul '24	680	682FF	1 day		
682	1.4.3.4.3.6	E&M works	C2	14 days	16 Jul '24	29 Jul '24	681FF	3	1 day		
683	1.4.3.5	Hard landscape and soft landscaping works	C2	25 days	8 Jul '24	1 Aug '24			-2 days		
684	1.4.3.5.1	Hard landscaping between floating stage and EVA	C2	25 days	8 Jul '24	1 Aug '24	673SS	3	-2 days		
685	1.4.4	Area no.6	C2	136 days	3 Mar '24	26 Jul '24			28 days		
686	1.4.4.1	Drainage and Water works	C2	43 days	3 Mar '24	14 Apr '24			97 days		
690	1.4.4.2	Harbour Steps	C2	70 days	20 Apr '24	8 Jul '24			22 days		
691	1.4.4.2.1	architectural works of Harbor step	C2	70 days	20 Apr '24	8 Jul '24	363SS	3	22 days		
692	1.4.4.3	EVA no.6	C2	79 days	9 May '24	26 Jul '24			13 days		
693	1.4.4.3.1	Within EVA	None	79 days	9 May '24	26 Jul '24			13 days		
694	1.4.4.3.1.1	Installation of ducts and drawpits within EVA	C2	30 days	9 May '24	7 Jun '24		695	13 days		
695	1.4.4.3.1.2	Backfilling	C2	5 days	8 Jun '24	12 Jun '24	694	696FS+4 days	13 days		
696	1.4.4.3.1.3	u-channel construction & fire main laying	C2	10 days	17 Jun '24	26 Jun '24	695FS+4 days	697	13 days		
697	1.4.4.3.1.4	subbase laying for the EVA	C2	9 days	27 Jun '24	5 Jul '24	696	698	13 days		
698	1.4.4.3.1.5	pavement	C2	12 days	6 Jul '24	17 Jul '24	697	699FF	13 days		
699	1.4.4.3.1.6	E&M works	C2	21 days	27 Jun '24	17 Jul '24	698FF	3	13 days		
700	1.4.4.3.1.7	seal up two inspection chambers of box culvert (relate to the CE/124 of Section 8)	C2	24 days	3 Jun '24	26 Jun '24			4 days		
701	1.4.4.3.1.7.1	EMSD accept remedial works for the MJ of cell B	C2	1 day	13 Jun '24	13 Jun '24			71 days		

Task Summary Start-only Critical Progress
 Milestone Project Summary Finish-only Critical Split Manual Progress

ID	WBS	Task Name	Task Calendar	Duration	Start	Finish	Predecessors	Successors	Total Slack	N	Half 1, 2024	Half 2, 2024
702	1.4.4.3.1.7.2	permanent connection in changeover chamber complete	C2	17 days	3 Jun '24	19 Jun '24		703	4 days		permanent connection in changeover chamber complete 19/6	
703	1.4.4.3.1.7.3	flow rate analysis in cell A & B	C2	2 days	20 Jun '24	21 Jun '24	702	704	4 days		flow rate analysis in cell A & B 21/6	
704	1.4.4.3.1.7.4	Relocate the entrance away from the EVA	C2	5 days	22 Jun '24	26 Jun '24	703	705	4 days		Relocate the entrance away from the EVA 26/6	
705	1.4.4.3.1.8	Remaining EVA works after sealing up two inspection chamber	C2	30 days	27 Jun '24	26 Jul '24	704	3	4 days		Remaining EVA works after sealing up two inspection chambers 26/7	
706	1.4.4.3.2	Outside EVA	None	68 days	16 May '24	22 Jul '24			8 days		Outside EVA	
707	1.4.4.3.2.1	Installation of ducts and drawpits outside EVA	C2	26 days	16 May '24	10 Jun '24		708FS+7 days	8 days		Installation of ducts and drawpits outside EVA 10/6	
708	1.4.4.3.2.2	85m DN225 sewage works connect to the drain fountain	C2	10 days	18 Jun '24	27 Jun '24	707FS+7 days	3,709	8 days		85m DN225 sewage works connect to the drain fountain 27/6	
709	1.4.4.3.2.3	Hard landscape and soft landscaping works (include walkway)	C2	25 days	28 Jun '24	22 Jul '24	708	3	8 days		Hard landscape and soft landscaping works (include walkway) 22/7	
710	1.4.4.4	Elevated Landscape deck	None	108 days	5 Apr '24	21 Jul '24			33 days		Elevated Lands	
711	1.4.4.4.1	Structural works	None	83 days	5 Apr '24	26 Jun '24			58 days		Structural works	
712	1.4.4.4.1.1	U-channel construction	C2	20 days	5 Apr '24	1 May '24		713	98 days		U-channel construction 1/5	
713	1.4.4.4.1.2	division brick wall construction	C2	8 days	5 May '24	12 May '24	712	714	98 days		division brick wall construction 12/5	
714	1.4.4.4.1.3	compacted soil fill	C2	5 days	13 May '24	17 May '24	713		98 days		compacted soil fill 17/5	
715	1.4.4.4.1.4	U-trough construction	C2	30 days	28 May '24	26 Jun '24		3	34 days		U-trough construction 26/6	
716	1.4.4.4.2	Landscaping works	None	55 days	28 May '24	21 Jul '24			9 days		Landscaping w	
717	1.4.4.4.2.1	Planter construction	C2	7 days	28 May '24	3 Jun '24		718	9 days		Planter construction 3/6	
718	1.4.4.4.2.2	soiling works for planter	C2	10 days	4 Jun '24	13 Jun '24	717	719	9 days		soiling works for planter 13/6	
719	1.4.4.4.2.3	planting works	C2	12 days	14 Jun '24	25 Jun '24	718	720SS+4 days	9 days		planting works 25/6	
720	1.4.4.4.2.4	matching cover installation	C2	13 days	18 Jun '24	30 Jun '24	719SS+4 days	721	9 days		matching cover installation 30/6	
721	1.4.4.4.2.5	AGT installation	C2	21 days	1 Jul '24	21 Jul '24	720	3	9 days		AGT installation 21/7	
722	1.4.4.4.2.6	Rain shelter installation	C2	30 days	30 May '24	28 Jun '24		3	32 days		Rain shelter installation 28/6	
723	1.4.4.4.2.7	seating bench installation	C2	30 days	15 Jun '24	14 Jul '24		3	16 days		seating bench installation 14/7	
724	1.4.4.4.2.8	irrigation pipe works	C2	6 days	3 Jul '24	8 Jul '24		3	22 days		irrigation pipe works 8/7	
725	1.4.4.4.2.9	Dripline irrigation work	C2	13 days	4 Jul '24	16 Jul '24		3	14 days		Dripline irrigation work 16/7	
726	1.5	Temporary Management Office, Temporary Toilet, Plant Rooms of General Building services and Refuse Collection	C2	153 days	20 Feb '24	31 Jul '24			-1 day		Temporary	
727	1.5.1	Temporary Office	C2	153 days	20 Feb '24	31 Jul '24			-1 day		Temporary	
728	1.5.1.1	RC work & steel work	C2	26 days	29 Feb '24	25 Mar '24			117 days		RC work & steel work	
734	1.5.1.2	Temporary Management Office	None	132 days	20 Feb '24	30 Jun '24			30 days		Temporary Manage	
735	1.5.1.2.1	Structural Steel	None	51 days	20 Feb '24	10 Apr '24			111 days		Structural Steel	
738	1.5.1.2.2	Roof and wall cladding	C2	97 days	20 Feb '24	5 Jun '24			30 days		Roof and wall cladding	
751	1.5.1.2.3	Window	None	132 days	20 Feb '24	30 Jun '24			30 days		Window	
752	1.5.1.2.3.1	Preparation works	None	105 days	20 Feb '24	3 Jun '24			42 days		Preparation works	
756	1.5.1.2.3.2	Installation works	None	15 days	16 Jun '24	30 Jun '24			30 days		Installation works	
757	1.5.1.2.3.2.1	installation of window	C2	15 days	16 Jun '24	30 Jun '24	750FS+10 days	3	30 days		installation of window 30/6	
758	1.5.1.3	Toilet area	C2	66 days	27 May '24	31 Jul '24			-1 day		Toilet area	
759	1.5.1.3.1	ABWF	None	66 days	27 May '24	31 Jul '24			-1 day		ABWF	
760	1.5.1.3.1.1	site setting out	C2	1 day	27 May '24	27 May '24		761	-1 day		site setting out 27/5	
761	1.5.1.3.1.2	Drywall erection works	C2	21 days	28 May '24	17 Jun '24	760	762SS+21 days, 782SS+21 d	-1 day		Drywall erection works 17/6	
762	1.5.1.3.1.3	waterproofing include 48hr test	C2	8 days	18 Jun '24	25 Jun '24	761SS+21 days	763	-1 day		waterproofing include 48hr test 25/6	
763	1.5.1.3.1.4	wall plastering work at male toilet	C2	7 days	26 Jun '24	2 Jul '24	762	764, 765SS+3 days	-1 day		wall plastering work at male toilet 2/7	
764	1.5.1.3.1.5	floor screeding work at male toilet	C2	7 days	3 Jul '24	9 Jul '24	763	767, 770	-1 day		floor screeding work at male toilet 9/7	
765	1.5.1.3.1.6	wall plastering work at female toilet	C2	9 days	29 Jun '24	7 Jul '24	763SS+3 days	766	-1 day		wall plastering work at female toilet 7/7	
766	1.5.1.3.1.7	floor screeding work at female toilet	C2	9 days	8 Jul '24	16 Jul '24	765	768, 772	-1 day		floor screeding work at female toilet 16/7	
767	1.5.1.3.1.8	Ceiling Paint	C2	10 days	10 Jul '24	19 Jul '24	764	769, 775	1 day		Ceiling Paint 19/7	
768	1.5.1.3.1.9	wall plastering work at remaining area (baby care room, universal toilet, family toilet)	C2	3 days	17 Jul '24	19 Jul '24	766	774FS-2 days	-1 day		wall plastering work at remaining area (baby care room, universal toilet, family toilet) 19/7	
769	1.5.1.3.1.10	floor screeding work at remaining area (baby care room, universal toilet, family toilet)	C2	5 days	20 Jul '24	24 Jul '24	767	3	6 days		floor screeding work at remaining area (baby care room, universal toilet, family toilet) 24/7	
770	1.5.1.3.1.11	wall tiles laying at male toilet	C2	10 days	10 Jul '24	19 Jul '24	764	771FS-2 days	-1 day		wall tiles laying at male toilet 19/7	
771	1.5.1.3.1.12	floor tiles laying at male toilet	C2	7 days	18 Jul '24	24 Jul '24	770FS-2 days	778	-1 day		floor tiles laying at male toilet 24/7	
772	1.5.1.3.1.13	wall tiles laying at female toilet	C2	10 days	17 Jul '24	26 Jul '24	766	773FS-2 days	-1 day		wall tiles laying at female toilet 25/7	
773	1.5.1.3.1.14	floor tiles laying at female toilet	C2	7 days	25 Jul '24	31 Jul '24	772FS-2 days	779FF, 780FF	-1 day		floor tiles laying at female toilet 31/7	
774	1.5.1.3.1.15	wall tiles laying at remaining area (baby care room, universal toilet, family toilet)	C2	10 days	18 Jul '24	27 Jul '24	768FS-2 days	776FS-3 days, 777FS-4 days	-1 day		wall tiles laying at remaining area (baby care room, universal toilet, family toilet) 27/7	
775	1.5.1.3.1.16	painting for dry wall	C2	10 days	20 Jul '24	29 Jul '24	767	3	1 day		painting for dry wall 29/7	
776	1.5.1.3.1.17	floor tiles laying at remaining area (baby care room, universal toilet, family toilet)	C2	7 days	25 Jul '24	31 Jul '24	774FS-3 days	3	-1 day		floor tiles laying at remaining area (baby care room, universal toilet, family toilet) 31/7	
777	1.5.1.3.1.18	door and door frame installation	C2	7 days	24 Jul '24	30 Jul '24	774FS-4 days	3	0 days		door and door frame installation 30/7	
778	1.5.1.3.1.19	toilet cubical partition installation at male toilet	C2	7 days	25 Jul '24	31 Jul '24	771	3	-1 day		toilet cubical partition installation at male toilet 31/7	

Task Summary Start-only Critical Progress
 Milestone Project Summary Finish-only Critical Split Manual Progress



ID	WBS	Task Name	Task Calendar	Duration	Start	Finish	Predecessors	Successors	Total Slack	Gantt Chart (Half 1, 2024 Half 2, 2024)						
1011	1.6.1.4.4.4	E&M	None	37 days	25 Jun '24	31 Jul '24			-8 days	E&M						
1012	1.6.1.4.4.4.1	MVAC works	C2	30 days	25 Jun '24	24 Jul '24	1003,1004	1013SS,1018,1028	-8 days	MVAC works → 24/7						
1013	1.6.1.4.4.4.2	Electrical works	C2	30 days	25 Jun '24	24 Jul '24	1012SS	1014SS+7 days,1015SS+5 c	-8 days	Electrical works → 24/7						
1014	1.6.1.4.4.4.3	Fire service works	C2	20 days	2 Jul '24	21 Jul '24	1013SS+7 days	1018	2 days	Fire service works → 21/7						
1015	1.6.1.4.4.4.4	Mechanical works	C2	25 days	30 Jun '24	24 Jul '24	1013SS+5 days	1016SS+5 days,1018	-1 day	Mechanical works → 24/7						
1016	1.6.1.4.4.4.5	Plumbing and drainage works	C2	20 days	5 Jul '24	24 Jul '24	1015SS+5 days	1018	-1 day	Plumbing and drainage works → 24/7						
1017	1.6.1.4.4.4.6	LV switch room	C2	16 days	9 Jul '24	24 Jul '24	1003,1004,1003		6 days	LV switch room → 24/7						
1018	1.6.1.4.4.4.7	T&C	C2	7 days	25 Jul '24	31 Jul '24	1012,1013,10:3		-1 day	T&C → 31/7						
1019	1.6.1.4.4.5	T&C of pumping system for saltwater pumping station (under	None	48 days	15 Jun '24	1 Aug '24			-2 days	T&C of pu						
1020	1.6.1.4.4.5.1	pump out the seawater trapped inside culvert to outlet	C2	3 days	15 Jun '24	17 Jun '24		1021	-2 days	pump out the seawater trapped inside culvert to outlet → 17/6						
1021	1.6.1.4.4.5.2	seal up existing bulkhead between box culvert/intake culvert to prevent seawater flowing in	C2	3 days	18 Jun '24	20 Jun '24	1020	1022	-2 days	seal up existing bulkhead between box culvert/intake culvert to prevent seawater flowing in → 20/6						
1022	1.6.1.4.4.5.3	Confined space workers by Richwell (or JHL??) to carry out remaining civil works such as mass fill and r.c. landing	C2	21 days	21 Jun '24	11 Jul '24	1021	1023	-2 days	s by Richwell (or JHL??) to carry out remaining civil works such as mass fill and r.c. landing → 11/7						
1023	1.6.1.4.4.5.4	POC to carry out watertightness test of the structure	C2	7 days	12 Jul '24	18 Jul '24	1022	1024	-2 days	POC to carry out watertightness test of the structure → 18/7						
1024	1.6.1.4.4.5.5	ATAL to install pumping system; secondary screens and conduct T&C (temporary access need to be provided by	C2	14 days	19 Jul '24	1 Aug '24	1023	3	-2 days	pumping system; secondary screens and conduct T&C (temporary access need to be provided by POC) → 1/8						
1025	1.6.1.4.4.6	water-proofing installation	None	1 day?	1 Sep '22	1 Sep '22			687 days?							
1026	1.6.1.4.4.6.1	water-proofing installation at the ground floor of the pumping station	None	1 day?	1 Sep '22	1 Sep '22			687 days?							
1027	1.6.1.4.5	FS Inspection	None	14 days	25 Jul '24	7 Aug '24			-8 days	FS Inspe						
1028	1.6.1.4.5.1	FS Inspection	C2	14 days	25 Jul '24	7 Aug '24	1012,1013,95:3		-8 days	FS Inspection → 7/8						
1029	1.6.1.4.6	R/F	C2	52 days	3 Jul '24	23 Aug '24			-17 days	R						
1030	1.6.1.4.6.1	ABWF	None	52 days	3 Jul '24	23 Aug '24			-17 days	A						
1031	1.6.1.4.6.1.1	Floor screeding, Surface Channel Installation	C2	21 days	3 Jul '24	23 Jul '24		1032	-17 days	Floor screeding, Surface Channel Installation → 23/7						
1032	1.6.1.4.6.1.2	water-proofing installation	C2	10 days	24 Jul '24	2 Aug '24	1031	1033	-17 days	water-proofing installation → 2/8						
1033	1.6.1.4.6.1.3	Laying AGT at Roof Floor	C2	21 days	3 Aug '24	23 Aug '24	1032	1035SS,1036SS,1037S:	-17 days	Laying AGT at Roof Floor → 23						
1034	1.6.1.4.6.2	E&M works	None	14 days	3 Aug '24	16 Aug '24			-17 days	E&M						
1035	1.6.1.4.6.2.1	Electrical works	C2	14 days	3 Aug '24	16 Aug '24	1033SS	3	-17 days	Electrical works → 16/8						
1036	1.6.1.4.6.2.2	MVAC works	C2	14 days	3 Aug '24	16 Aug '24	1033SS	3	-17 days	MVAC works → 16/8						
1037	1.6.1.4.6.2.3	Plumbing and drainage works	C2	10 days	3 Aug '24	12 Aug '24	1033SS	3	-13 days	Plumbing and drainage works → 12/8						
1038	1.6.1.4.7	External Façade Works	C2	55 days	28 Jun '24	21 Aug '24			-22 days	Ex						
1039	1.6.1.4.7.1	ABWF	None	49 days	28 Jun '24	15 Aug '24			-22 days	ABW						
1040	1.6.1.4.7.1.1	Touch up works for fair-faced concrete	C2	21 days	28 Jun '24	18 Jul '24		1041SS+14 days,1047S	-22 days	Touch up works for fair-faced concrete → 18/7						
1041	1.6.1.4.7.1.2	Artificial granite tiles	C2	21 days	12 Jul '24	1 Aug '24	1040SS+14 c	1042	-16 days	Artificial granite tiles → 1/8						
1042	1.6.1.4.7.1.3	Touch Up	None	14 days	2 Aug '24	15 Aug '24	1041	3	-16 days	Touch Up → 15/8						
1043	1.6.1.4.7.2	Steel Structure Works	None	45 days	8 Jul '24	21 Aug '24			-22 days	St						
1044	1.6.1.4.7.2.1	Window and Louvre	None	20 days	19 Jul '24	7 Aug '24		3	-8 days	Window						
1045	1.6.1.4.7.2.1.1	Installation of window	C2	20 days	19 Jul '24	7 Aug '24	1040		-8 days	Installation of window → 7/8						
1046	1.6.1.4.7.2.2	Aluminium Fin	C2	45 days	8 Jul '24	21 Aug '24			-22 days	Al						
1047	1.6.1.4.7.2.2.1	installation of fin	C2	45 days	8 Jul '24	21 Aug '24	1040SS+10 da	3	-22 days	installation of fin → 21						
1048																
1049	1.7	External Works beside Underpass and pumping station	C2	128 days	1 Mar '24	16 Jul '24			38 days	External Works t						
1050	1.7.1	Sewage works	None	113 days	1 Mar '24	21 Jun '24			53 days	Sewage works						
1076	1.7.2	Rising main laying	None	123 days	1 Mar '24	1 Jul '24			53 days	Rising main laying						
1077	1.7.2.1	Remaining rising main beside FMH223 to 223A (25m)	C2	10 days	1 Mar '24	10 Mar '24			156 days	ing rising main beside FMH223 to 223A (25m) → 10/3						
1078	1.7.2.2	Rising main beside FMH223A to 223B	C2	7 days	10 May '24	16 May '24	1081	3	75 days	Rising main beside FMH223A to 223B → 16/5						
1079	1.7.2.3	Last section of rising main upto the pumping station (around 4	C2	10 days	22 Jun '24	1 Jul '24	1075		53 days	Last section of rising main upto the pumping station (around 45m) → 1/7						
1080	1.7.3	Water mains laying	None	71 days	7 May '24	16 Jul '24			14 days	Water mains lay						
1081	1.7.3.1	Waterworks cross the sewer FMH223A to 223B	C2	3 days	7 May '24	9 May '24	418	1078	75 days	Waterworks cross the sewer FMH223A to 223B → 9/5						
1082	1.7.3.2	waterworks lay up to EVA no. 9	C2	5 days	11 Jun '24	15 Jun '24		1083	24 days	waterworks lay up to EVA no. 9 → 15/6						
1083	1.7.3.3	arrange water mains connection (10 days for preparation; 7 days for pressure test and swabbing; and 7 days connection	C2	21 days	26 Jun '24	16 Jul '24	1082,1108,113		14 days	10 days for preparation; 7 days for pressure test and swabbing; and 7 days connection by WSD → 16/7						
1084	1.8	EVA nos.7 to 10	C2	676 days	1 Sep '22	29 Jul '24			1 day	EVA nos.7 t						
1085	1.8.1	EVA no. 7	C2	192 days	15 Dec '23	15 Jul '24			15 days	EVA no. 7						
1086	1.8.1.1	U/G service	None	163 days	15 Dec '23	9 Jun '24			51 days	U/G service						
1087	1.8.1.1.1	DN315 sewer with 2.5m deep after diversion Site 4E1 to use Road L12d	C2	27 days	15 Dec '23	10 Jan '24		1121,1088	155 days	sewer use Road L12d → 10/1						
1088	1.8.1.1.2	DN600 water main is to be laid after sewer complete	C2	25 days	11 Jan '24	4 Feb '24	1087	3	155 days	DN600 water main is to be laid after sewer complete → 4/2						
1089	1.8.1.1.3	Gas main	C2	6 days	19 Feb '24	24 Feb '24		1098	81 days	Gas main → 24/2						

Task Summary Start-only Critical Progress Manual Progress
Milestone Project Summary Finish-only Critical Split

ID	WBS	Task Name	Task Calendar	Duration	Start	Finish	Predecessors	Successors	Total Slack	Gantt Chart	
1090	1.8.1.1.4	Telecom	C2	8 days	6 Mar '24	13 Mar '24	1098	1099	81 days		
1091	1.8.1.1.5	Storm SMH419-420	C2	14 days	30 Mar '24	12 Apr '24		3	99 days		
1092	1.8.1.1.6	CLP 132kV	C2	14 days	6 May '24	19 May '24	1115SS	1093	1 day		
1093	1.8.1.1.7	CLP 11kV	C2	21 days	20 May '24	9 Jun '24	1092	1095FS+5 days	1 day		
1094	1.8.1.2	EVA construction	C2	31 days	15 Jun '24	15 Jul '24			1 day		
1095	1.8.1.2.1	Formation to subbase & surface drain	C2	14 days	15 Jun '24	28 Jun '24	1093FS+5 days	1096	1 day		
1096	1.8.1.2.2	Bitumen and paving block (EVA 7)	C2	17 days	29 Jun '24	15 Jul '24	1095	3,1028	1 day		
1097	1.8.2	EVA no. 8	C2	138 days	25 Feb '24	21 Jul '24			9 days		
1098	1.8.2.1	DN300 water main connect to washout chamber	C2	10 days	25 Feb '24	5 Mar '24	1089	1090	81 days		
1099	1.8.2.2	washout chamber construction for water mains	C2	14 days	14 Mar '24	27 Mar '24	1090	1100	81 days		
1100	1.8.2.3	50m DN315 sewer from FMH333 to 334	C2	21 days	28 Mar '24	17 Apr '24	1099	1101	81 days		
1101	1.8.2.4	50m DN750 storm drains from SMH418 to 419	C2	13 days	18 Apr '24	10 May '24	1100	3	81 days		
1102	1.8.2.5	3 nos. 3.5m x 3.5m draw pits for CLP cabling works to the transformer room	C2	14 days	24 May '24	6 Jun '24	976FS+7 days	1103	-5 days		
1103	1.8.2.6	50m DN100 water mains	C2	10 days	7 Jun '24	16 Jun '24	1102	1104	-5 days		
1104	1.8.2.7	EVA no. 8 construction	C2	35 days	17 Jun '24	21 Jul '24	1103	3,1028	-5 days		
1105	1.8.3	EVA no. 9	C2	86 days	10 Apr '24	14 Jul '24			1 day		
1106	1.8.3.1	Waterworks and Others	C2	79 days	10 Apr '24	7 Jul '24			1 day		
1107	1.8.3.1.1	Watermains	C2	79 days	10 Apr '24	7 Jul '24			1 day		
1108	1.8.3.1.1.1	Main pipes (40m x 3)	C2	10 days	10 Apr '24	19 Apr '24	923	1113,1083	1 day		
1109	1.8.3.1.1.2	road diversion to the completed run-in beside Gate 2A	None	0 days	14 Jun '24	14 Jun '24		1110,1111	14 days		
1110	1.8.3.1.1.3	Branch pipes (50m x 2) (after road diversion to Gate 2A)	C2	12 days	14 Jun '24	25 Jun '24	1109	3,1083	14 days		
1111	1.8.3.1.1.4	SWI dosing pipe and buliding plumbing (lay on top of uu) (after road diversion to Gate 2A)	C2	24 days	14 Jun '24	7 Jul '24	1109	3	23 days		
1112	1.8.3.1.2	UU (40m)	C2	41 days	20 Apr '24	9 Jun '24			1 day		
1113	1.8.3.1.2.1	Gas main	C2	6 days	20 Apr '24	5 May '24	1108	1114,1115	1 day		
1114	1.8.3.1.2.2	Telecom	C2	6 days	6 May '24	11 May '24	1113	3	80 days		
1115	1.8.3.1.2.3	CLP 132kV	C2	14 days	6 May '24	19 May '24	1113	1116,1092SS	1 day		
1116	1.8.3.1.2.4	CLP 11kV	C2	21 days	20 May '24	9 Jun '24	1115	1118	2 days		
1117	1.8.3.2	EVA no.9 construction	C2	35 days	10 Jun '24	14 Jul '24			2 days		
1118	1.8.3.2.1	Formation to subbase & surface drain	C2	14 days	10 Jun '24	23 Jun '24	1116	1119	2 days		
1119	1.8.3.2.2	Bitumen and paving block (EVA 9)	C2	21 days	24 Jun '24	14 Jul '24	1118	3,1028	2 days		
1120	1.8.4	EVA no. 10	C2	84 days	7 May '24	29 Jul '24			1 day		
1121	1.8.4.1	Permanent run-in of the road D3 construction	C2	23 days	8 May '24	30 May '24	1087	3	61 days		
1127	1.8.4.2	EVA construction	None	84 days	7 May '24	29 Jul '24			1 day		
1128	1.8.4.2.1	middle part	None	80 days	7 May '24	25 Jul '24			5 days		
1129	1.8.4.2.1.1	stockpile vacation	C2	24 days	7 May '24	30 May '24		1130FS+5 days	5 days		
1130	1.8.4.2.1.2	duct and drawpits	C2	14 days	5 Jun '24	18 Jun '24	1129FS+5 days	1131	5 days		
1131	1.8.4.2.1.3	backfilling	C2	5 days	19 Jun '24	23 Jun '24	1130	1132	5 days		
1132	1.8.4.2.1.4	u-channel and fire main laying	C2	14 days	24 Jun '24	7 Jul '24	1131	1133SS+9 days	5 days		
1133	1.8.4.2.1.5	subbase laying	C2	12 days	3 Jul '24	14 Jul '24	1132SS+9 days	1134SS+9 days	5 days		
1134	1.8.4.2.1.6	paving blocks laying	C2	14 days	12 Jul '24	25 Jul '24	1133SS+9 days	3	5 days		
1135	1.8.4.2.2	end part	None	50 days	10 Jun '24	29 Jul '24			1 day		
1136	1.8.4.2.2.1	25m DN225 storm drain (PMH365 to 362)	C2	6 days	18 Jun '24	23 Jun '24	1137	1138	1 day		
1137	1.8.4.2.2.2	53m DN375 storm drain (PMH362 to 361)	C2	8 days	10 Jun '24	17 Jun '24	331	1138,1136	1 day		
1138	1.8.4.2.2.3	duct and drawpits	C2	8 days	24 Jun '24	1 Jul '24	1137,1136	1139	1 day		
1139	1.8.4.2.2.4	u-channel and fire main laying	C2	12 days	2 Jul '24	13 Jul '24	1138	1140	1 day		
1140	1.8.4.2.2.5	EVA underneath bridge D3	C2	16 days	14 Jul '24	29 Jul '24	1139	1142FF	1 day		
1141	1.8.4.3	Hard and soft landscaping works	C2	10 days	20 Jul '24	29 Jul '24			1 day		
1142	1.8.4.3.1	Hard and soft landscaping works	C2	10 days	20 Jul '24	29 Jul '24	1140FF	3	1 day		
1143	1.8.5	Box Culvert	C2	451 days	1 Sep '22	25 Nov '23			226 days		

Task Summary Start-only Critical Progress
 Milestone Project Summary Finish-only Critical Split Manual Progress

Appendix C – Apply permission for Environmental Monitoring

Propose alternative monitoring location: A1 The Lok Sin Tong Modular Social Housing Scheme

Status: Rejected application

Email on: 10 May 2022

Subject **The Lok Sin Tong Benevolent Society Kowloon - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development**



From [Redacted]
To [Redacted]
Bcc [Redacted]

Date 2022-05-10 15:48

- Figure 1 Impact dust measurement setup.jpg(~1.2 MB)
- Figure 2 Impact noise measurement setup.jpg(~979 KB)

Company: The Lok Sin Tong Benevolent Society Kowloon

By Email ([Redacted])

Dear Madam
5 May 2022

Dear Sir/ Madam, [Redacted]

Re: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron

We, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of the EM&A programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron (KTD Stage 4 Project) starting from July 2019 to May 2024.

KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular 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. Your premise, Hong Kong Society for Blind Workshop and Hotels, is one of the proposed sensitive receivers.

We would like to obtain your kind permission for entering the premise to carry out baseline and impact monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30-minute) would need to conduct continuously for 14 days, our propose baseline monitoring date is June 2022.

After baseline monitoring, impact dust monitoring (1-hour and 24-hour TSP monitoring) and impact noise monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six days.

The monitoring location will be located on the roof top floor of The Lok Sin Tong Modular Social Housing Scheme at Junction of Sung Wong Toi Road and To Kwa Wan Road facing to Kai Tak Development area. 220V power supply is needed for 24-hour TSP monitor with size 0.5m (L) x 0.5m (W) x 1.4m (H). We will pay for the electricity. Similar setup photo records are shown in Figure 1 and Figure 2 for your kindly reference. Our technician will stay at the measurement point for 1-hour TSP and 30-minute noise measurement.

We hope to conduct site visit at 13:30 pm of 25 May 2022 (Wed).

Should you have any enquires regarding the measurement, please do not hesitate to contact [Redacted] at [Redacted]

Thank you for your kind attention and I look forward to receiving your favourable reply soon.

Yours Sincerely,

Lee Wing Hang
Ka Shing Management Consultant Limited

Email on: 13 October 2022

Subject **The Lok Sin Tong Benevolent Society Kowloon - Reject to Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development**



From [Redacted]
To [Redacted]
Bcc [Redacted]

Date 2022-10-13 15:52

Company: The Lok Sin Tong Benevolent Society Kowloon

By Email [Redacted]

Dear Sir/ [Redacted]

Referring to the communication between your staff and me regarding the captioned work at 21 September 2022, the Lok Sin Tong Benevolent Society Kowloon was rejected the apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development. Due to electricity supply and security concern in Modular House , Environmental monitoring at Modular House is not allowed open.

Should you have any enquires regarding the measurement, please do not hesitate to contact [Redacted] at [Redacted]

Thank you for your kind attention and I look forward to receiving your favourable reply soon.

Yours Sincerely,

Lee Wing Hang
Ka Shing Management Consultant Limited

Propose alternative monitoring location: A2 Freder Centre
Status: No reply from building management office unit the reporting month

Email on: 19 July 2022

Subject **Freder Centre - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development**



From [Redacted]
To [Redacted]
Bcc [Redacted]

Date 2022-07-19 13:33

- Figure 1 Impact dust measurement setup.jpg(~1.2 MB)
- Figure 2 Impact noise measurement setup.jpg(~979 KB)

Company: Freder Centre

By Email [Redacted]
Dear Sir [Redacted]

Re: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron

We, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of the EM&A programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron (KTD Stage 4 Project) starting from July 2019 to May 2024.

KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular 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. Your premise, Hong Kong Society for Blind Workshop and Hotels, is one of the proposed sensitive receivers.

We would like to obtain your kind permission for entering the premise to carry out baseline and impact monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30-minute) would need to conduct continuously for 14 days, our propose baseline monitoring date is August 2022.

After baseline monitoring, impact dust monitoring (1-hour and 24-hour TSP monitoring) and impact noise monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six days.

The monitoring location will be located on the roof top floor of Freder Centre at Junction of Sung Wong Toi Road and To Kwa Wan Road facing to Kai Tak Development area. 220V power supply is needed for 24-hour TSP monitor with size 0.5m (L) x 0.5m (W) x 1.4m (H). We will pay for the electricity. Similar setup photo records are shown in Figure 1 and Figure 2 for your kindly reference. Our technician will stay at the measurement point for 1-hour TSP and 30-minute noise measurement.

We hope to conduct site visit at 15:30pm of 26 July 2022 (Tue).

Should you have any enquires regarding the measurement, please do not hesitate to contact [Redacted] at [Redacted]

Thank you for your kind attention and I look forward to receiving your favourable reply soon.

Yours Sincerely,

Lee Wing Hang
Ka Shing Management Consultant Limited

Propose alternative monitoring location: A3 New Port Centre
Status: No reply from building management office unit the reporting month

Email on: 19 July 2022

Subject **New Port Centre - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development**



From [Redacted]
To [Redacted]
Bcc [Redacted]

Date 2022-07-19 13:33

- Figure 1 Impact dust measurement setup.jpg(~1.2 MB)
- Figure 2 Impact noise measurement setup.jpg(~979 KB)

Company: New Port Centre & Synergis management services limited

By Email [Redacted]

Dear Sir,

Re: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron

We, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of the EM&A programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron (KTD Stage 4 Project) starting from July 2019 to May 2024.

KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular 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. Your premise, New Port Centre, is one of the proposed sensitive receivers.

We would like to obtain your kind permission for entering the premise to carry out baseline and impact monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30-minute) would need to conduct continuously for 14 days, our propose baseline monitoring date is August 2022.

After baseline monitoring, impact dust monitoring (1-hour and 24-hour TSP monitoring) and impact noise monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six days.

The monitoring location will be located on the roof top floor of New Port Centre at Junction of Sung Wong Toi Road and To Kwa Wan Road facing to Kai Tak Development area. 220V power supply is needed for 24-hour TSP monitor with size 0.5m (L) x 0.5m (W) x 1.4m (H). We will pay for the electricity. Similar setup photo records are shown in Figure 1 and Figure 2 for your kindly reference. Our technician will stay at the measurement point for 1-hour TSP and 30-minute noise measurement.

We hope to conduct site visit at 13:30pm of 26 July 2022 (Tue).

Should you have any enquires regarding the measurement, please do not hesitate to contact [Redacted] at [Redacted]

Thank you for your kind attention and I look forward to receiving your favourable reply soon.

Yours Sincerely,

Lee Wing Hang
Ka Shing Management Consultant Limited

Email on: 17 August 2022

Subject **Kum Shing Group and Hong Kong Energy Infrastructure Limited - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development**



From [Redacted]
To [Redacted]
Bcc [Redacted]

Date 2022-08-17 11:54

- Figure 1 Impact dust measurement setup.jpg(~1.2 MB)
- Figure 2 Impact noise measurement setup.jpg(~979 KB)
- plug 01.jpg(~2.6 MB)

Company: Kum Shing Group and Hong Kong Energy Infrastructure Limited

By Email [Redacted]

Dear Sir,

Re: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron

We, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of the EM&A programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron (KTD Stage 4 Project) starting from July 2019 to May 2024.

KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular 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. Your premise, New Port Centre, is one of the proposed sensitive receivers.

We would like to obtain your kind permission for entering the premise to carry out baseline and impact monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30-minute) would need to conduct continuously for 14 days, our propose baseline monitoring date is August 2022.

After baseline monitoring, impact dust monitoring (1-hour and 24-hour TSP monitoring) and impact noise monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six days.

The monitoring location will be located on the roof top floor of New Port Centre at Junction of Sung Wong Toi Road and To Kwa Wan Road facing to Kai Tak Development area. 220V power supply is needed for 24-hour TSP monitor with size 0.5m (L) x 0.5m (W) x 1.4m (H). We will pay for the electricity. Similar setup photo records are shown in Figure 1 and Figure 2 for your kindly reference. Our technician will stay at the measurement point for 1-hour TSP and 30-minute noise measurement.

We hope to loan the company on the roof top floor of Plug 01 for 24-hour TSP monitor of power supply.

Should you have any enquires regarding the measurement, please do not hesitate to contact [Redacted] at [Redacted]

Thank you for your kind attention and I look forward to receiving your favourable reply soon.

Yours Sincerely,

Lee Wing Hang
Ka Shing Management Consultant Limited

Propose alternative monitoring location: A3 New Port Centre
Status: No reply from building management office unit the reporting month

Email on: 19 August 2022

Subject **RE: Kum Shing Group and Hong Kong Energy Infrastructure Limited - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development**



From

To

Cc

Date 2022-08-19 08:36

Dear Mr. LEE,

As we do not have ownership to the roof, we'd suggest you to approach the management company of Newport Center for further discussion.

<https://www.synergis.com.hk/html/en/>

best,
Paul Lee

Email on: 15 September 2022

Subject **New Port Centre - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development**



From

To
Bcc

Date 2022-09-15 15:35

- Figure 1 Impact dust measurement setup.jpg(~1.2 MB)
- Figure 2 Impact noise measurement setup.jpg(~979 KB)
- Figure 3 expect Impact dust measurement setup.png(~267 KB)
- Figure 4 power supply plug.jpg(~2.6 MB)

Company: New Port Centre & Synergis management services limited

By Email

Dear Sir,

Re: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron

We, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of the EM&A programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron (KTD Stage 4 Project) starting from July 2019 to May 2024.

KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular 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. Your premise, New Port Centre, is one of the proposed sensitive receivers.

We would like to obtain your kind permission for entering the premise to carry out baseline and impact monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30-minute) would need to conduct continuously for 14 days, our propose baseline monitoring date is August 2022.

After baseline monitoring, impact dust monitoring (1-hour and 24-hour TSP monitoring) and impact noise monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six days.

The monitoring location will be located on the roof top floor of New Port Centre at Junction of Sung Wong Toi Road and To Kwa Wan Road facing to Kai Tak Development area. 220V power supply is needed for 24-hour TSP monitor with size 0.5m (L) x 0.5m (W) x 1.4m (H). We will pay for the electricity. Similar setup photo records are shown in Figure 1 and Figure 2 for your kindly reference. The expect of impact dust measurement setup photo records are shown in Figure 3 and the power supply will come from the roof of the socket (Figure 4) for reference. Our technician will stay at the measurement point for 1-hour TSP and 30-minute noise measurement.

Should you have any enquires regarding the measurement, please do not hesitate to contact [redacted] at [redacted]

Thank you for your kind attention and I look forward to receiving your favourable reply soon.

Yours Sincerely,

Lee Wing Hang
Ka Shing Management Consultant Limited

Appendix D – Weather information

General Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)
01/04/2024	26.3	29.1	Trace
02/04/2024	25.9	28.9	0
03/04/2024	26.1	28.9	Trace
04/04/2024	26.5	28.5	Trace
05/04/2024	24.7	29.3	0.3
06/04/2024	23.4	25.4	2.7
07/04/2024	23.7	28.3	0.9
08/04/2024	23	28.8	0
09/04/2024	21.7	24.3	Trace
10/04/2024	21.9	26.8	0
11/04/2024	22.8	27.7	0
12/04/2024	23.1	30.2	0
13/04/2024	24.3	31.9	0
14/04/2024	25.7	31.4	0
15/04/2024	26.2	30.3	0
16/04/2024	25.2	31.4	0
17/04/2024	27	30.9	0
18/04/2024	24.1	29.5	8.6
19/04/2024	26.1	29.9	2.2
20/04/2024	23.3	29.5	42.2
21/04/2024	21.5	27.2	81.6
22/04/2024	23.3	26.9	13.2
23/04/2024	24.6	27.2	40
24/04/2024	24.8	27.8	Trace
25/04/2024	24.4	28.5	5.7
26/04/2024	24.4	29	25
27/04/2024	27.7	30.2	0.8
28/04/2024	23.4	28.3	12.2
29/04/2024	25.3	29.9	0
30/04/2024	23.1	30.5	21.7

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?v=2024&m=4>

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)
01/05/2024	22.4	24.5	52.9
02/05/2024	23.7	25.6	1.1
03/05/2024	23.7	24.8	Trace
04/05/2024	22.4	25.4	75.1
05/05/2024	22.8	28.3	5.3
06/05/2024	24.6	31.9	0
07/05/2024	25.6	31	0
08/05/2024	25.1	30.3	Trace
09/05/2024	25	28.5	0
10/05/2024	24.2	26.9	Trace
11/05/2024	24.8	30	Trace
12/05/2024	25.3	30.7	3.1
13/05/2024	23.7	30.3	0.7
14/05/2024	23.1	29.2	0
15/05/2024	23.6	30.5	0
16/05/2024	24.6	29.2	0
17/05/2024	23.9	28.5	Trace
18/05/2024	25.1	28.6	Trace
19/05/2024	24.1	26.3	17.5
20/05/2024	23.9	25.4	30.7
21/05/2024	24.1	26.2	45.3
22/05/2024	25.2	27	Trace
23/05/2024	25	28.2	2.5
24/05/2024	24.6	26.4	17.6
25/05/2024	24.8	27.7	7.8
26/05/2024	25.7	30.2	0.3
27/05/2024	27.3	29.9	6.7
28/05/2024	26	32	8.9
29/05/2024	24.6	28.8	0
30/05/2024	24.6	26.2	3.7
31/05/2024	25.8	29.8	13.4

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?v=2024&m=5>

General Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)
01/06/2024	25.6	29.8	54.2
02/06/2024	25.8	30.3	3.2
03/06/2024	23.8	28.2	8.6
04/06/2024	22.9	24.9	2.9
05/06/2024	23.4	25.4	8.5
06/06/2024	24.7	28.7	Trace
07/06/2024	25.1	26.6	1.6
08/06/2024	24.8	28.9	6.8
09/06/2024	25.3	27.5	33.5
10/06/2024	26.5	30.7	0.2
11/06/2024	28.2	30.8	0.6
12/06/2024	28.1	31.8	8.3
13/06/2024	28.7	32	4.9
14/06/2024	27.7	30.4	32
15/05/2024	25	30	28.3
16/06/2024	26.1	30.9	17.5
17/06/2024	28.6	32.7	Trace
18/06/2024	27.6	32.1	4.6
19/06/2024	28	32.2	9.4
20/06/2024	27.3	33	5
21/06/2024	28.7	34	0
22/06/2024	29.5	33.8	0
23/06/2024	27.9	33.9	4.7
24/06/2024	28.8	33.4	0.3
25/06/2024	26.5	33.2	19
26/06/2024	27.9	34	0
27/06/2024	28.4	34.4	1.4
28/06/2024	28.9	34.2	1.6
29/06/2024	26.8	31.5	15.5
30/06/2024	27.7	32	8.7

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=2024&m=6>

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
01/04/2024	0:00	1.3	67.5	02/04/2024	0:00	1.8	112.5	03/04/2024	0:00	0.9	112.5	04/04/2024	0:00	1.8	247.5
01/04/2024	1:00	1.3	67.5	02/04/2024	1:00	0.9	135	03/04/2024	1:00	1.3	90	04/04/2024	1:00	0.9	90
01/04/2024	2:00	0.4	45	02/04/2024	2:00	0.9	22.5	03/04/2024	2:00	1.8	112.5	04/04/2024	2:00	0.9	90
01/04/2024	3:00	0.9	112.5	02/04/2024	3:00	1.3	180	03/04/2024	3:00	0.9	90	04/04/2024	3:00	1.3	45
01/04/2024	4:00	0.9	270	02/04/2024	4:00	0.9	90	03/04/2024	4:00	0.9	90	04/04/2024	4:00	0.9	67.5
01/04/2024	5:00	1.8	112.5	02/04/2024	5:00	0.9	67.5	03/04/2024	5:00	0.9	67.5	04/04/2024	5:00	0.4	22.5
01/04/2024	6:00	1.8	67.5	02/04/2024	6:00	0.4	112.5	03/04/2024	6:00	0.4	112.5	04/04/2024	6:00	1.3	292.5
01/04/2024	7:00	1.3	112.5	02/04/2024	7:00	0.9	112.5	03/04/2024	7:00	0.4	135	04/04/2024	7:00	0.9	112.5
01/04/2024	8:00	1.3	112.5	02/04/2024	8:00	0.4	90	03/04/2024	8:00	0.4	112.5	04/04/2024	8:00	0.9	90
01/04/2024	9:00	1.8	90	02/04/2024	9:00	0.9	45	03/04/2024	9:00	0.9	112.5	04/04/2024	9:00	0.9	90
01/04/2024	10:00	0.9	270	02/04/2024	10:00	0.4	225	03/04/2024	10:00	0.9	112.5	04/04/2024	10:00	0.4	112.5
01/04/2024	11:00	1.3	112.5	02/04/2024	11:00	0.4	112.5	03/04/2024	11:00	0.9	90	04/04/2024	11:00	1.8	112.5
01/04/2024	12:00	1.8	90	02/04/2024	12:00	0.4	202.5	03/04/2024	12:00	0.9	112.5	04/04/2024	12:00	0.4	112.5
01/04/2024	13:00	0.9	45	02/04/2024	13:00	1.8	225	03/04/2024	13:00	0.4	112.5	04/04/2024	13:00	0.4	112.5
01/04/2024	14:00	1.8	90	02/04/2024	14:00	0.9	67.5	03/04/2024	14:00	0.4	112.5	04/04/2024	14:00	0.9	90
01/04/2024	15:00	0.9	112.5	02/04/2024	15:00	0.9	225	03/04/2024	15:00	0.4	225	04/04/2024	15:00	0.4	90
01/04/2024	16:00	0.9	45	02/04/2024	16:00	0.4	180	03/04/2024	16:00	1.8	202.5	04/04/2024	16:00	0.9	90
01/04/2024	17:00	1.8	90	02/04/2024	17:00	0.9	135	03/04/2024	17:00	0.4	135	04/04/2024	17:00	0.9	112.5
01/04/2024	18:00	1.3	67.5	02/04/2024	18:00	0.9	22.5	03/04/2024	18:00	0.9	112.5	04/04/2024	18:00	1.3	90
01/04/2024	19:00	0.9	0	02/04/2024	19:00	1.3	315	03/04/2024	19:00	0.9	180	04/04/2024	19:00	1.3	90
01/04/2024	20:00	1.3	90	02/04/2024	20:00	0.9	112.5	03/04/2024	20:00	0.9	247.5	04/04/2024	20:00	0.9	112.5
01/04/2024	21:00	1.8	45	02/04/2024	21:00	0.9	337.5	03/04/2024	21:00	1.3	270	04/04/2024	21:00	0.9	112.5
01/04/2024	22:00	0.9	337.5	02/04/2024	22:00	0.4	135	03/04/2024	22:00	1.3	247.5	04/04/2024	22:00	0.4	112.5
01/04/2024	23:00	0.9	90	02/04/2024	23:00	0.9	202.5	03/04/2024	23:00	0.4	135	04/04/2024	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
05/04/2024	0:00	1.8	112.5	06/04/2024	0:00	1.8	112.5	07/04/2024	0:00	1.8	112.5	08/04/2024	0:00	0.9	112.5
05/04/2024	1:00	0.9	292.5	06/04/2024	1:00	0.9	90	07/04/2024	1:00	1.3	112.5	08/04/2024	1:00	0.9	112.5
05/04/2024	2:00	0.9	135	06/04/2024	2:00	1.3	45	07/04/2024	2:00	1.8	112.5	08/04/2024	2:00	1.3	135
05/04/2024	3:00	1.3	90	06/04/2024	3:00	1.3	67.5	07/04/2024	3:00	1.3	112.5	08/04/2024	3:00	0.9	90
05/04/2024	4:00	0.9	202.5	06/04/2024	4:00	0.9	90	07/04/2024	4:00	1.8	45	08/04/2023	4:00	0.9	112.5
05/04/2024	5:00	0.9	112.5	06/04/2024	5:00	1.3	0	07/04/2024	5:00	1.3	337.5	08/04/2023	5:00	0.9	112.5
05/04/2024	6:00	0.9	135	06/04/2024	6:00	0.9	135	07/04/2024	6:00	0.9	112.5	08/04/2024	6:00	0.9	112.5
05/04/2024	7:00	0.9	90	06/04/2024	7:00	1.3	67.5	07/04/2024	7:00	1.3	135	08/04/2024	7:00	0.9	90
05/04/2024	8:00	1.3	90	06/04/2024	8:00	1.8	112.5	07/04/2024	8:00	1.8	90	08/04/2024	8:00	1.3	112.5
05/04/2024	9:00	1.8	112.	06/04/2024	9:00	2.7	90	07/04/2024	9:00	1.8	135	08/04/2024	9:00	1.8	67.5
05/04/2024	10:00	0.9	90	06/04/2024	10:00	2.2	90	07/04/2024	10:00	1.3	135	08/04/2024	10:00	1.3	45
05/04/2024	11:00	0.4	112.5	06/04/2024	11:00	2.7	90	07/04/2024	11:00	1.8	67.5	08/04/2024	11:00	1.8	22.5
05/04/2024	12:00	0.9	135	06/04/2024	12:00	2.7	90	07/04/2024	12:00	0.4	90	08/04/2024	12:00	1.8	45
05/04/2024	13:00	1.8	135	06/04/2024	13:00	1.8	112.5	07/04/2024	13:00	1.8	225	08/04/2024	13:00	1.8	45
05/04/2024	14:00	1.3	45	06/04/2024	14:00	2.2	112.5	07/04/2024	14:00	1.3	67.5	08/04/2024	14:00	1.8	22.5
05/04/2024	15:00	0.9	315	06/04/2024	15:00	1.3	90	07/04/2024	15:00	0.9	22.5	08/04/2024	15:00	1.3	67.5
05/04/2024	16:00	0.9	112.5	06/04/2024	16:00	2.2	90	07/04/2024	16:00	0.4	112.5	08/04/2024	16:00	1.3	90
05/04/2024	17:00	0.9	135	06/04/2024	17:00	1.8	90	07/04/2024	17:00	0.4	112.5	08/04/2024	17:00	1.8	112.5
05/04/2024	18:00	1.3	112.5	06/04/2024	18:00	1.8	112.5	07/04/2024	18:00	1.3	112.5	08/04/2024	18:00	2.7	90
05/04/2024	19:00	0.9	112.5	06/04/2024	19:00	0.9	135	07/04/2024	19:00	1.3	112.5	08/04/2024	19:00	1.3	90
05/04/2024	20:00	1.3	112.5	06/04/2024	20:00	0.9	112.5	07/04/2024	20:00	1.3	112.5	08/04/2024	20:00	1.8	45
05/04/2024	21:00	0.9	135	06/04/2024	21:00	0.9	112.5	07/04/2024	21:00	1.3	135	08/04/2024	21:00	1.8	67.5
05/04/2024	22:00	0.9	157.5	06/04/2024	22:00	0.9	112.5	07/04/2024	22:00	1.3	90	08/04/2024	22:00	0.9	112.5
05/04/2024	23:00	0.9	135	06/04/2024	23:00	0.4	135	07/04/2024	23:00	0.9	112.5	08/04/2024	23:00	0.9	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
09/04/2024	0:00	0.4	112.5	10/04/2024	0:00	0.9	112.5	11/04/2024	0:00	0.9	112.5	12/04/2024	0:00	0.9	67.5
09/04/2024	1:00	0.9	90	10/04/2024	1:00	0.9	112.5	11/04/2024	1:00	0.4	112.5	12/04/2024	1:00	0.4	112.5
09/04/2024	2:00	0.9	112.5	10/04/2024	2:00	0	225	11/04/2024	2:00	0.4	90	12/04/2024	2:00	0.4	135
09/04/2024	3:00	1.3	112.5	10/04/2024	3:00	0	225	11/04/2024	3:00	0.9	22.5	12/04/2024	3:00	0.4	45
09/04/2024	4:00	0.9	112.5	10/04/2024	4:00	0.9	247.5	11/04/2024	4:00	0.9	0	12/04/2024	4:00	0.4	135
09/04/2024	5:00	1.3	90	10/04/2024	5:00	0.4	270	11/04/2024	5:00	1.3	135	12/04/2024	5:00	0.4	90
09/04/2024	6:00	0.9	90	10/04/2024	6:00	0	180	11/04/2024	6:00	1.8	67.5	12/04/2024	6:00	0.4	22.5
09/04/2024	7:00	0.4	135	10/04/2024	7:00	0.4	270	11/04/2024	7:00	0.9	157.5	12/04/2024	7:00	1.3	90
09/04/2024	8:00	0.9	337.5	10/04/2024	8:00	0.4	157.5	11/04/2024	8:00	0.4	90	12/04/2024	8:00	0.9	112.5
09/04/2024	9:00	0.9	135	10/04/2024	9:00	0.4	202.5	11/04/2024	9:00	0.4	22.5	12/04/2024	9:00	0.9	112.5
09/04/2024	10:00	0.9	90	10/04/2024	10:00	0.9	270	11/04/2024	10:00	1.3	90	12/04/2024	10:00	0.9	135
09/04/2024	11:00	0.9	67.5	10/04/2024	11:00	0.4	135	11/04/2024	11:00	0.9	112.5	12/04/2024	11:00	0.9	90
09/04/2024	12:00	0.9	67.5	10/04/2024	12:00	0.9	67.5	11/04/2024	12:00	0.9	112.5	12/04/2024	12:00	0.9	112.5
09/04/2024	13:00	0.9	0	10/04/2024	13:00	1.3	112.5	11/04/2024	13:00	0.9	135	12/04/2024	13:00	1.8	112.5
09/04/2024	14:00	0.9	90	10/04/2024	14:00	0.9	112.5	11/04/2024	14:00	0.9	90	12/04/2024	14:00	1.3	112.5
09/04/2024	15:00	1.3	45	10/04/2024	15:00	0.9	135	11/04/2024	15:00	0.9	112.5	12/04/2024	15:00	0.9	90
09/04/2024	16:00	1.3	337.5	10/04/2024	16:00	0.9	135	11/04/2024	16:00	1.8	112.5	12/04/2024	16:00	1.3	0
09/04/2024	17:00	1.3	67.5	10/04/2024	17:00	0.4	112.5	11/04/2024	17:00	1.3	112.5	12/04/2024	17:00	1.3	90
09/04/2024	18:00	1.3	67.5	10/04/2024	18:00	0.4	112.5	11/04/2024	18:00	0.9	90	12/04/2024	18:00	1.3	90
09/04/2024	19:00	0.9	315	10/04/2024	19:00	0.9	112.5	11/04/2024	19:00	1.8	90	12/04/2024	19:00	1.3	90
09/04/2024	20:00	1.3	112.5	10/04/2024	20:00	0.9	112.5	11/04/2024	20:00	1.3	90	12/04/2024	20:00	0.9	315
09/04/2024	21:00	0.4	0	10/04/2024	21:00	0.4	112.5	11/04/2024	21:00	1.8	67.5	12/04/2024	21:00	0.9	112.5
09/04/2024	22:00	0.4	270	10/04/2024	22:00	0.9	112.5	11/04/2024	22:00	0.9	112.5	12/04/2024	22:00	0.9	112.5
09/04/2024	23:00	0.9	112.5	10/04/2024	23:00	0.4	112.5	11/04/2024	23:00	1.8	22.5	12/04/2024	23:00	0.9	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
13/04/2024	0:00	0.9	135	14/04/2024	0:00	0.9	270	15/04/2024	0:00	0.9	270	16/04/2024	0:00	0.4	202.5
13/04/2024	1:00	1.8	112.5	14/04/2024	1:00	0.4	292.5	15/04/2024	1:00	1.3	112.5	16/04/2024	1:00	0.4	67.5
13/04/2024	2:00	1.3	112.5	14/04/2024	2:00	0.4	135	15/04/2024	2:00	1.8	112.5	16/04/2024	2:00	0.4	90
13/04/2024	3:00	1.8	112.5	14/04/2024	3:00	1.3	90	15/04/2024	3:00	0.9	112.5	16/04/2024	3:00	0.4	135
13/04/2024	4:00	1.8	112.5	14/04/2024	4:00	1.3	112.5	15/04/2024	4:00	0.4	247.5	16/04/2024	4:00	0.9	112.5
13/04/2024	5:00	0.4	112.5	14/04/2024	5:00	1.3	22.5	15/04/2024	5:00	1.8	247.5	16/04/2024	5:00	0.9	135
13/04/2024	6:00	0.4	112.5	14/04/2024	6:00	1.3	22.5	15/04/2024	6:00	0.9	112.5	16/04/2024	6:00	0.9	112.5
13/04/2024	7:00	0.4	90	14/04/2024	7:00	0.9	45	15/04/2024	7:00	0.4	135	16/04/2024	7:00	0.9	90
13/04/2024	8:00	0.4	90	14/04/2024	8:00	0.9	45	15/04/2024	8:00	1.3	112.5	16/04/2024	8:00	0.9	112.5
13/04/2024	9:00	0.4	112.5	14/04/2024	9:00	0.9	22.5	15/04/2024	9:00	1.3	135	16/04/2024	9:00	0.9	90
13/04/2024	10:00	0.9	112.5	14/04/2024	10:00	0.9	45	15/04/2024	10:00	1.3	112.5	16/04/2024	10:00	0.9	112.5
13/04/2024	11:00	0.9	90	14/04/2024	11:00	0.9	45	15/04/2024	11:00	0.4	112.5	16/04/2024	11:00	0.4	112.5
13/04/2024	12:00	0.4	112.5	14/04/2024	12:00	0.9	45	15/04/2024	12:00	1.3	67.5	16/04/2024	12:00	1.3	45
13/04/2024	13:00	0.4	112.5	14/04/2024	13:00	0.9	45	15/04/2024	13:00	1.8	45	16/04/2024	13:00	0.4	45
13/04/2024	14:00	0.4	112.5	14/04/2024	14:00	1.3	45	15/04/2024	14:00	1.8	67.5	16/04/2024	14:00	0.4	135
13/04/2024	15:00	0.9	112.5	14/04/2024	15:00	1.8	270	15/04/2024	15:00	0.9	45	16/04/2024	15:00	0.9	157.5
13/04/2024	16:00	0.4	315	14/04/2024	16:00	0.9	112.5	15/04/2024	16:00	0.9	45	16/04/2024	16:00	0.4	135
13/04/2024	17:00	0.4	22.5	14/04/2024	17:00	0.9	112.5	15/04/2024	17:00	0.4	45	16/04/2024	17:00	0.9	247.5
13/04/2024	18:00	1.3	112.5	14/04/2024	18:00	1.3	135	15/04/2024	18:00	0.4	247.5	16/04/2024	18:00	0.9	202.5
13/04/2024	19:00	1.3	22.5	14/04/2024	19:00	0.9	135	15/04/2024	19:00	0.9	337.5	16/04/2024	19:00	0.9	45
13/04/2024	20:00	1.3	135	14/04/2024	20:00	0.9	112.5	15/04/2024	20:00	1.3	112.5	16/04/2024	20:00	0.4	90
13/04/2024	21:00	1.8	22.5	14/04/2024	21:00	0.4	112.5	15/04/2024	21:00	1.3	135	16/04/2024	21:00	0.4	112.5
13/04/2024	22:00	1.3	90	14/04/2024	22:00	0.4	45	15/04/2024	22:00	1.3	22.5	16/04/2024	22:00	0.9	112.5
13/04/2024	23:00	0.4	112.5	14/04/2024	23:00	0.9	112.5	15/04/2024	23:00	0.4	45	16/04/2024	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
17/04/2024	0:00	0.9	112.5	18/04/2024	0:00	0.9	157.5	19/04/2024	0:00	0.9	90	20/04/2024	0:00	0.9	45
17/04/2024	1:00	0.9	112.5	18/04/2024	1:00	0.9	292.5	19/04/2024	1:00	0.9	112.5	20/04/2024	1:00	2.2	45
17/04/2024	2:00	1.3	135	18/04/2024	2:00	0.4	112.5	19/04/2024	2:00	0.9	112.5	20/04/2024	2:00	1.3	90
17/04/2024	3:00	0.9	135	18/04/2024	3:00	0.4	247.5	19/04/2024	3:00	0.9	112.5	20/04/2024	3:00	2.2	45
17/04/2024	4:00	0.9	112.5	18/04/2024	4:00	0.9	315	19/04/2024	4:00	0.4	135	20/04/2024	4:00	2.2	90
17/04/2024	5:00	0.4	112.5	18/04/2024	5:00	0.4	315	19/04/2024	5:00	0.9	112.5	20/04/2024	5:00	2.7	90
17/04/2024	6:00	0.4	45	18/04/2024	6:00	0.4	135	19/04/2024	6:00	0.9	157.5	20/04/2024	6:00	1.8	90
17/04/2024	7:00	0.9	112.5	18/04/2024	7:00	0.9	112.5	19/04/2024	7:00	0.9	112.5	20/04/2024	7:00	1.8	112.5
17/04/2024	8:00	0.9	157.5	18/04/2024	8:00	1.3	67.5	19/04/2024	8:00	0.9	90	20/04/2024	8:00	1.8	90
17/04/2024	9:00	0.9	292.5	18/04/2024	9:00	0.9	247.5	19/04/2024	9:00	0.4	112.5	20/04/2024	9:00	1.8	315
17/04/2024	10:00	0.4	112.5	18/04/2024	10:00	0.9	22.5	19/04/2024	10:00	1.3	67.5	20/04/2024	10:00	1.3	67.5
17/04/2024	11:00	0.4	247.5	18/04/2024	11:00	0.4	22.5	19/04/2024	11:00	1.3	45	20/04/2024	11:00	1.8	22.5
17/04/2024	12:00	0.9	315	18/04/2024	12:00	1.3	45	19/04/2024	12:00	1.3	45	20/04/2024	12:00	1.8	22.5
17/04/2024	13:00	0.4	315	18/04/2024	13:00	0.4	112.5	19/04/2024	13:00	1.8	45	20/04/2024	13:00	2.7	90
17/04/2024	14:00	0.4	135	18/04/2024	14:00	0.4	157.5	19/04/2024	14:00	1.3	45	20/04/2024	14:00	1.8	112.5
17/04/2024	15:00	0.9	112.5	18/04/2024	15:00	1.3	45	19/04/2024	15:00	1.8	67.5	20/04/2024	15:00	1.8	112.5
17/04/2024	16:00	0.4	112.5	18/04/2024	16:00	1.3	247.5	19/04/2024	16:00	0.9	22.5	20/04/2024	16:00	1.8	112.5
17/04/2024	17:00	0.9	292.5	18/04/2024	17:00	1.3	22.5	19/04/2024	17:00	0.9	45	20/04/2024	17:00	1.8	45
17/04/2024	18:00	0.9	90	18/04/2024	18:00	0.9	225	19/04/2024	18:00	0.9	67.5	20/04/2024	18:00	2.7	45
17/04/2024	19:00	0.9	135	18/04/2024	19:00	0.9	67.5	19/04/2024	19:00	1.3	67.5	20/04/2024	19:00	1.8	157.5
17/04/2024	20:00	0.9	90	18/04/2024	20:00	0.9	22.5	19/04/2024	20:00	0.9	45	20/04/2024	20:00	1.8	112.5
17/04/2024	21:00	0.9	112.5	18/04/2024	21:00	1.3	157.5	19/04/2024	21:00	0.9	67.5	20/04/2024	21:00	2.7	180
17/04/2024	22:00	1.3	67.5	18/04/2024	22:00	0.9	135	19/04/2024	22:00	1.3	112.5	20/04/2024	22:00	1.3	112.5
17/04/2024	23:00	0.9	112.5	18/04/2024	23:00	1.3	67.5	19/04/2024	23:00	0.9	45	20/04/2024	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
21/04/2024	0:00	0.9	45	22/04/2024	0:00	1.3	247.5	23/04/2024	0:00	1.8	112.5	24/04/2024	0:00	1.3	135
21/04/2024	1:00	0.9	22.5	22/04/2024	1:00	1.3	225	23/04/2024	1:00	2.2	112.5	24/04/2024	1:00	1.3	112.5
21/04/2024	2:00	1.8	112.5	22/04/2024	2:00	1.3	45	23/04/2024	2:00	1.8	45	24/04/2024	2:00	1.8	135
21/04/2024	3:00	2.2	67.5	22/04/2024	3:00	1.3	45	23/04/2024	3:00	1.8	337.5	24/04/2024	3:00	1.3	135
21/04/2024	4:00	1.8	45	22/04/2024	4:00	1.8	45	23/04/2024	4:00	1.8	112.5	24/04/2024	4:00	0.9	135
21/04/2024	5:00	1.3	67.5	22/04/2024	5:00	1.3	45	23/04/2024	5:00	0.9	112.5	24/04/2024	5:00	1.8	90
21/04/2024	6:00	2.2	112.5	22/04/2024	6:00	1.8	67.5	23/04/2024	6:00	1.3	112.5	24/04/2024	6:00	1.8	112.5
21/04/2024	7:00	2.7	337.5	22/04/2024	7:00	1.3	45	23/04/2024	7:00	1.3	225	24/04/2024	7:00	1.8	112.5
21/04/2024	8:00	2.7	67.5	22/04/2024	8:00	1.3	45	23/04/2024	8:00	1.8	247.5	24/04/2024	8:00	0.9	90
21/04/2024	9:00	3.1	67.5	22/04/2024	9:00	2.7	45	23/04/2024	9:00	1.3	247.5	24/04/2024	9:00	0.9	112.5
21/04/2024	10:00	3.1	90	22/04/2024	10:00	1.8	45	23/04/2024	10:00	1.8	90	24/04/2024	10:00	0.9	112.5
21/04/2024	11:00	3.6	67.5	22/04/2024	11:00	1.3	22.5	23/04/2024	11:00	1.3	45	24/04/2024	11:00	0.9	225
21/04/2024	12:00	1.3	67.5	22/04/2024	12:00	1.3	45	23/04/2024	12:00	1.8	247.5	24/04/2024	12:00	1.8	112.5
21/04/2024	13:00	1.3	90	22/04/2024	13:00	1.8	45	23/04/2024	13:00	2.7	112.5	24/04/2024	13:00	1.8	135
21/04/2024	14:00	2.2	90	22/04/2024	14:00	2.2	270	23/04/2024	14:00	2.2	112.5	24/04/2024	14:00	1.3	112.5
21/04/2024	15:00	2.2	112.5	22/04/2024	15:00	1.3	22.5	23/04/2024	15:00	2.7	90	24/04/2024	15:00	1.3	90
21/04/2024	16:00	2.2	90	22/04/2024	16:00	2.2	45	23/04/2024	16:00	3.1	225	24/04/2024	16:00	0.9	112.5
21/04/2024	17:00	1.8	135	22/04/2024	17:00	0.4	247.5	23/04/2024	17:00	1.8	202.5	24/04/2024	17:00	1.3	67.5
21/04/2024	18:00	2.2	247.5	22/04/2024	18:00	0.9	270	23/04/2024	18:00	1.8	45	24/04/2024	18:00	0.4	45
21/04/2024	19:00	2.2	90	22/04/2024	19:00	1.3	270	23/04/2024	19:00	1.3	45	24/04/2024	19:00	1.3	112.5
21/04/2024	20:00	1.8	90	22/04/2024	20:00	1.3	247.5	23/04/2024	20:00	1.8	67.5	24/04/2024	20:00	0.9	45
21/04/2024	21:00	1.8	112.5	22/04/2024	21:00	1.3	247.5	23/04/2024	21:00	2.2	67.5	24/04/2024	21:00	1.3	90
21/04/2024	22:00	2.7	90	22/04/2024	22:00	1.8	270	23/04/2024	22:00	1.3	67.5	24/04/2024	22:00	0.9	45
21/04/2024	23:00	1.8	45	22/04/2024	23:00	0.9	112.5	23/04/2024	23:00	1.3	67.5	24/04/2024	23:00	0.4	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
25/04/2024	0:00	2.7	90	26/04/2024	0:00	0.9	135	27/04/2024	0:00	1.3	67.5	28/04/2024	0:00	0.9	247.5
25/04/2024	1:00	1.3	90	26/04/2024	1:00	0.4	45	27/04/2024	1:00	1.3	67.5	28/04/2024	1:00	0.9	112.5
25/04/2024	2:00	1.8	112.5	26/04/2024	2:00	0.4	315	27/04/2024	2:00	1.8	45	28/04/2024	2:00	0.4	135
25/04/2024	3:00	1.8	22.5	26/04/2024	3:00	0.4	22.5	27/04/2024	3:00	1.3	67.5	28/04/2024	3:00	0.4	112.5
25/04/2024	4:00	2.2	45	26/04/2024	4:00	0.9	112.5	27/04/2024	4:00	0.4	112.5	28/04/2024	4:00	2.2	247.5
25/04/2024	5:00	1.8	67.5	26/04/2024	5:00	0.4	67.5	27/04/2024	5:00	0.4	112.5	28/04/2024	5:00	2.7	247.5
25/04/2024	6:00	1.3	90	26/04/2024	6:00	1.8	247.5	27/04/2024	6:00	0.9	112.5	28/04/2024	6:00	1.3	270
25/04/2024	7:00	1.8	67.5	26/04/2024	7:00	1.3	247.5	27/04/2024	7:00	0.4	112.5	28/04/2024	7:00	0.9	247.5
25/04/2024	8:00	2.7	90	26/04/2024	8:00	1.8	225	27/04/2024	8:00	0.9	67.5	28/04/2024	8:00	1.3	270
25/04/2024	9:00	0.9	22.5	26/04/2024	9:00	1.3	247.5	27/04/2024	9:00	0.9	67.5	28/04/2024	9:00	1.3	67.5
25/04/2024	10:00	0.9	292.5	26/04/2024	10:00	1.8	247.5	27/04/2024	10:00	0.4	112.5	28/04/2024	10:00	1.8	247.5
25/04/2024	11:00	1.8	247.5	26/04/2024	11:00	2.2	270	27/04/2024	11:00	0.4	112.5	28/04/2024	11:00	1.3	225
25/04/2024	12:00	1.3	180	26/04/2024	12:00	1.3	45	27/04/2024	12:00	0.4	67.5	28/04/2024	12:00	0.9	247.5
25/04/2024	13:00	0.4	112.5	26/04/2024	13:00	0.9	112.5	27/04/2024	13:00	0.9	45	28/04/2024	13:00	0.4	112.5
25/04/2024	14:00	0.4	67.5	26/04/2024	14:00	0.9	67.5	27/04/2024	14:00	0.4	112.5	28/04/2024	14:00	0.4	135
25/04/2024	15:00	0.4	22.5	26/04/2024	15:00	2.2	112.5	27/04/2024	15:00	0.4	90	28/04/2024	15:00	0.4	135
25/04/2024	16:00	0.4	67.5	26/04/2024	16:00	3.1	90	27/04/2024	16:00	0.4	202.5	28/04/2024	16:00	0.4	112.5
25/04/2024	17:00	0.4	135	26/04/2024	17:00	2.7	112.5	27/04/2024	17:00	0.4	157.5	28/04/2024	17:00	0.4	112.5
25/04/2024	18:00	0.4	337.5	26/04/2024	18:00	2.7	112.5	27/04/2024	18:00	1.3	247.5	28/04/2024	18:00	0.9	90
25/04/2024	19:00	0.9	135	26/04/2024	19:00	1.8	90	27/04/2024	19:00	0.4	225	28/04/2024	19:00	0.4	90
25/04/2024	20:00	0.9	112.5	26/04/2024	20:00	1.8	112.5	27/04/2024	20:00	0.4	247.5	28/04/2024	20:00	0.4	90
25/04/2024	21:00	0.4	112.5	26/04/2024	21:00	2.2	112.5	27/04/2024	21:00	0.4	135	28/04/2024	21:00	0.4	112.5
25/04/2024	22:00	0.9	112.5	26/04/2024	22:00	2.2	90	27/04/2024	22:00	0.4	90	28/04/2024	22:00	0.4	112.5
25/04/2024	23:00	0.4	112.5	26/04/2024	23:00	1.8	112.5	27/04/2024	23:00	0.9	90	28/04/2024	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
29/04/2024	0:00	0.4	90	30/04/2023	0:00	1.8	112.5								
29/04/2024	1:00	1.3	135	30/04/2023	1:00	0.9	90								
29/04/2024	2:00	1.3	90	30/04/2023	2:00	1.3	90								
29/04/2024	3:00	0.9	112.5	30/04/2023	3:00	0.9	135								
29/04/2024	4:00	0.4	112.5	30/04/2023	4:00	1.8	247.5								
29/04/2024	5:00	0.4	135	30/04/2023	5:00	1.3	247.5								
29/04/2024	6:00	0.4	90	30/04/2023	6:00	1.8	225								
29/04/2024	7:00	0.9	180	30/04/2023	7:00	1.3	247.5								
29/04/2024	8:00	0.9	247.5	30/04/2023	8:00	1.8	247.5								
29/04/2024	9:00	0.9	247.5	30/04/2023	9:00	2.2	270								
29/04/2024	10:00	0.4	247.5	30/04/2023	10:00	2.2	45								
29/04/2024	11:00	0.9	270	30/04/2023	11:00	1.8	45								
29/04/2024	12:00	0.4	180	30/04/2023	12:00	2.2	45								
29/04/2024	13:00	0.4	135	30/04/2023	13:00	2.7	45								
29/04/2024	14:00	0.4	225	30/04/2023	14:00	1.8	157.5								
29/04/2024	15:00	0.4	202.5	30/04/2023	15:00	1.8	135								
29/04/2024	16:00	0.4	202.5	30/04/2023	16:00	2.7	270								
29/04/2024	17:00	0.4	225	30/04/2023	17:00	3.1	225								
29/04/2024	18:00	0.4	247.5	30/04/2023	18:00	3.1	157.5								
29/04/2024	19:00	0.4	270	30/04/2023	19:00	2.6	135								
29/04/2024	20:00	0.4	247.5	30/04/2023	20:00	2.2	247.5								
29/04/2024	21:00	0.4	247.5	30/04/2023	21:00	1.8	247.5								
29/04/2024	22:00	0.9	90	30/04/2023	22:00	1.8	135								
29/04/2024	23:00	0.4	135	30/04/2023	23:00	1.3	157.5								

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
01/05/2024	0:00	2.2	112.5	02/05/2024	0:00	1.8	112.5	03/05/2024	0:00	0.4	67.5	04/05/2024	0:00	1.8	247.5
01/05/2024	1:00	2.7	337.5	02/05/2024	1:00	0.9	135	03/05/2024	1:00	0.9	112.5	04/05/2024	1:00	2.2	90
01/05/2024	2:00	2.7	67.5	02/05/2024	2:00	2.2	270	03/05/2024	2:00	0.4	270	04/05/2024	2:00	1.8	135
01/05/2024	3:00	3.1	67.5	02/05/2024	3:00	2.7	247.5	03/05/2024	3:00	0.9	45	04/05/2024	3:00	1.8	67.5
01/05/2024	4:00	3.1	90	02/05/2024	4:00	1.8	270	03/05/2024	4:00	0.4	67.5	04/05/2024	4:00	2.2	90
01/05/2024	5:00	3.6	67.5	02/05/2024	5:00	0.9	225	03/05/2024	5:00	0.4	247.5	04/05/2024	5:00	1.8	135
01/05/2024	6:00	1.3	67.5	02/05/2024	6:00	0.9	67.5	03/05/2024	6:00	0.4	225	04/05/2024	6:00	1.3	135
01/05/2024	7:00	1.3	90	02/05/2024	7:00	0.9	22.5	03/05/2024	7:00	0.4	270	04/05/2024	7:00	1.8	90
01/05/2024	8:00	2.2	90	02/05/2024	8:00	1.3	157.5	03/05/2024	8:00	0.4	225	04/05/2024	8:00	0.9	112.5
01/05/2024	9:00	2.2	112.5	02/05/2024	9:00	0.9	135	03/05/2024	9:00	0.9	45	04/05/2024	9:00	1.8	337.5
01/05/2024	10:00	2.2	90	02/05/2024	10:00	1.3	67.5	03/05/2024	10:00	0.9	67.5	04/05/2024	10:00	1.3	112.5
01/05/2024	11:00	1.8	270	02/05/2024	11:00	1.3	247.5	03/05/2024	11:00	0.9	270	04/05/2024	11:00	1.3	90
01/05/2024	12:00	2.7	270	02/05/2024	12:00	1.3	225	03/05/2024	12:00	0.4	247.5	04/05/2024	12:00	1.3	112.5
01/05/2024	13:00	2.2	270	02/05/2024	13:00	1.3	45	03/05/2024	13:00	0.9	90	04/05/2024	13:00	0.9	112.5
01/05/2024	14:00	2.7	90	02/05/2024	14:00	1.3	45	03/05/2024	14:00	0.9	90	04/05/2024	14:00	1.3	112.5
01/05/2024	15:00	2.2	90	02/05/2024	15:00	1.8	45	03/05/2024	15:00	0.9	292.5	04/05/2024	15:00	2.7	112.5
01/05/2024	16:00	2.2	90	02/05/2024	16:00	1.3	45	03/05/2024	16:00	1.3	270	04/05/2024	16:00	2.2	112.5
01/05/2024	17:00	2.2	90	02/05/2024	17:00	1.8	67.5	03/05/2024	17:00	0.9	247.5	04/05/2024	17:00	2.7	337.5
01/05/2024	18:00	1.3	45	02/05/2024	18:00	0.9	22.5	03/05/2024	18:00	0.9	247.5	04/05/2024	18:00	2.7	67.5
01/05/2024	19:00	1.3	90	02/05/2024	19:00	1.3	67.5	03/05/2024	19:00	0.9	45	04/05/2024	19:00	3.1	67.5
01/05/2024	20:00	1.3	112.5	02/05/2024	20:00	0.9	112.5	03/05/2024	20:00	0.9	45	04/05/2024	20:00	3.1	90
01/05/2024	21:00	3.1	112.5	02/05/2024	21:00	1.3	135	03/05/2024	21:00	0.9	22.5	04/05/2024	21:00	2.2	67.5
01/05/2024	22:00	3.6	112.5	02/05/2024	22:00	0.9	90	03/05/2024	22:00	0.9	22.5	04/05/2024	22:00	1.3	67.5
01/05/2024	23:00	3.6	22.5	02/05/2024	23:00	0.9	112.5	03/05/2024	23:00	0.9	135	04/05/2024	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
05/05/2024	0:00	0.4	112.5	06/05/2024	0:00	0.4	112.5	07/05/2024	0:00	0.9	90	08/05/2024	0:00	0.4	90
05/05/2024	1:00	1.3	45	06/05/2024	1:00	0.9	112.5	07/05/2024	1:00	0.4	90	08/05/2024	1:00	0.4	112.5
05/05/2024	2:00	1.3	247.5	06/05/2024	2:00	0.9	135	07/05/2024	2:00	0.4	90	08/05/2024	2:00	0.4	90
05/05/2024	3:00	1.3	22.5	06/05/2024	3:00	1.3	112.5	07/05/2024	3:00	0.9	90	08/05/2024	3:00	0.9	90
05/05/2024	4:00	0.9	225	06/05/2024	4:00	1.3	157.5	07/05/2024	4:00	0.9	90	08/05/2024	4:00	0.9	67.5
05/05/2024	5:00	0.9	67.5	06/05/2024	5:00	0.9	112.5	07/05/2024	5:00	0.4	135	08/05/2024	5:00	0.4	112.5
05/05/2024	6:00	0.9	22.5	06/05/2024	6:00	0.9	90	07/05/2024	6:00	0.4	112.5	08/05/2024	6:00	0.4	135
05/05/2024	7:00	1.3	157.5	06/05/2024	7:00	0.4	247.5	07/05/2024	7:00	0.4	112.5	08/05/2024	7:00	0.4	112.5
05/05/2024	8:00	0.9	135	06/05/2024	8:00	0.4	247.5	07/05/2024	8:00	0.9	90	08/05/2024	8:00	0.4	112.5
05/05/2024	9:00	1.3	67.5	06/05/2024	9:00	0.9	247.5	07/05/2024	9:00	0.4	90	08/05/2024	9:00	0.9	90
05/05/2024	10:00	1.3	247.5	06/05/2024	10:00	0.9	270	07/05/2024	10:00	0.4	112.5	08/05/2024	10:00	0.4	90
05/05/2024	11:00	1.3	225	06/05/2024	11:00	0.4	112.5	07/05/2024	11:00	0.4	112.5	08/05/2024	11:00	0.4	112.5
05/05/2024	12:00	1.3	45	06/05/2024	12:00	0.4	135	07/05/2024	12:00	0.9	112.5	08/05/2024	12:00	0.4	112.5
05/05/2024	13:00	1.3	45	06/05/2024	13:00	0.9	135	07/05/2024	13:00	0.9	112.5	08/05/2024	13:00	0.9	112.5
05/05/2024	14:00	1.8	45	06/05/2024	14:00	0.4	135	07/05/2024	14:00	0.9	67.5	08/05/2024	14:00	0.9	112.5
05/05/2024	15:00	0.9	112.5	06/05/2024	15:00	0.4	112.5	07/05/2024	15:00	1.3	67.5	08/05/2024	15:00	0.9	67.5
05/05/2024	16:00	0.4	112.5	06/05/2024	16:00	0.4	112.5	07/05/2024	16:00	1.3	90	08/05/2024	16:00	1.3	67.5
05/05/2024	17:00	0.9	112.5	06/05/2024	17:00	0.9	112.5	07/05/2024	17:00	0.9	112.5	08/05/2024	17:00	0.4	90
05/05/2024	18:00	0.9	135	06/05/2024	18:00	0.4	112.5	07/05/2024	18:00	1.3	90	08/05/2024	18:00	0.9	112.5
05/05/2024	19:00	1.3	112.5	06/05/2024	19:00	0.4	112.5	07/05/2024	19:00	0.9	67.5	08/05/2024	19:00	1.3	90
05/05/2024	20:00	1.3	157.5	06/05/2024	20:00	0.4	135	07/05/2024	20:00	0.9	67.5	08/05/2024	20:00	0.9	67.5
05/05/2024	21:00	0.9	112.5	06/05/2024	21:00	0.9	135	07/05/2024	21:00	1.3	67.5	08/05/2024	21:00	0.9	67.5
05/05/2024	22:00	0.9	90	06/05/2024	22:00	0.9	112.5	07/05/2024	22:00	0.4	45	08/05/2024	22:00	0.4	67.5
05/05/2024	23:00	0.9	112.5	06/05/2024	23:00	0.9	112.5	07/05/2024	23:00	0.9	135	08/05/2024	23:00	0.4	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
09/05/2024	0:00	0.9	67.5	10/05/2024	0:00	1.3	225	11/05/2024	0:00	0.9	135	12/05/2024	0:00	0.9	135
09/05/2024	1:00	0.9	67.5	10/05/2024	1:00	1.3	202.5	11/05/2024	1:00	0.4	225	12/05/2024	1:00	0.9	135
09/05/2024	2:00	0.9	45	10/05/2024	2:00	0.9	135	11/05/2024	2:00	0.4	247.5	12/05/2024	2:00	0.9	225
09/05/2024	3:00	0.9	90	10/05/2024	3:00	1.8	112.5	11/05/2024	3:00	0.4	247.5	12/05/2024	3:00	0.4	247.5
09/05/2024	4:00	1.3	90	10/05/2024	4:00	0.4	67.5	11/05/2024	4:00	0.9	270	12/05/2024	4:00	0.4	247.5
09/05/2024	5:00	0.4	135	10/05/2024	5:00	0.4	270	11/05/2024	5:00	1.3	135	12/05/2024	5:00	0.9	270
09/05/2024	6:00	0.4	112.5	10/05/2024	6:00	0	180	11/05/2024	6:00	1.8	67.5	12/05/2024	6:00	1.3	22.5
09/05/2024	7:00	0.4	112.5	10/05/2024	7:00	0.4	270	11/05/2024	7:00	0.9	157.5	12/05/2024	7:00	1.3	90
09/05/2024	8:00	0.9	90	10/05/2024	8:00	0.4	157.5	11/05/2024	8:00	0.4	90	12/05/2024	8:00	0.9	112.5
09/05/2024	9:00	0.4	90	10/05/2024	9:00	0.4	202.5	11/05/2024	9:00	0.4	22.5	12/05/2024	9:00	0.9	112.5
09/05/2024	10:00	0.4	112.5	10/05/2024	10:00	0.9	270	11/05/2024	10:00	1.3	90	12/05/2024	10:00	10.8	135
09/05/2024	11:00	0.4	112.5	10/05/2024	11:00	0.4	135	11/05/2024	11:00	0.9	112.5	12/05/2024	11:00	0.9	90
09/05/2024	12:00	0.9	112.5	10/05/2024	12:00	0.9	67.5	11/05/2024	12:00	0.9	112.5	12/05/2024	12:00	0.9	112.5
09/05/2024	13:00	0.9	112.5	10/05/2024	13:00	1.3	112.5	11/05/2024	13:00	0.9	135	12/05/2024	13:00	1.8	112.5
09/05/2024	14:00	0.9	67.5	10/05/2024	14:00	0.9	112.5	11/05/2024	14:00	0.9	90	12/05/2024	14:00	1.3	112.5
09/05/2024	15:00	1.3	67.5	10/05/2024	15:00	0.9	135	11/05/2024	15:00	0.9	112.5	12/05/2024	15:00	0.9	90
09/05/2024	16:00	1.3	90	10/05/2024	16:00	0.9	135	11/05/2024	16:00	1.8	112.5	12/05/2024	16:00	1.3	0
09/05/2024	17:00	0.9	112.5	10/05/2024	17:00	0.4	112.5	11/05/2024	17:00	1.3	112.5	12/05/2024	17:00	1.3	90
09/05/2024	18:00	1.3	90	10/05/2024	18:00	0.4	112.5	11/05/2024	18:00	0.9	90	12/05/2024	18:00	1.3	90
09/05/2024	19:00	0.9	67.5	10/05/2024	19:00	0.9	112.5	11/05/2024	19:00	1.8	90	12/05/2024	19:00	1.3	90
09/05/2024	20:00	0.9	67.5	10/05/2024	20:00	0.9	112.5	11/05/2024	20:00	1.3	90	12/05/2024	20:00	0.9	315
09/05/2024	21:00	1.3	67.5	10/05/2024	21:00	0.4	112.5	11/05/2024	21:00	1.8	67.5	12/05/2024	21:00	0.4	112.5
09/05/2024	22:00	0.4	45	10/05/2024	22:00	0.9	112.5	11/05/2024	22:00	0.9	112.5	12/05/2024	22:00	0.4	112.5
09/05/2024	23:00	0.9	135	10/05/2024	23:00	0.4	112.5	11/05/2024	23:00	1.8	22.5	12/05/2024	23:00	0.9	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
13/05/2024	0:00	0.9	135	14/05/2024	0:00	0.4	135	15/05/2024	0:00	0.9	270	16/05/2024	0:00	0.4	202.5
13/05/2024	1:00	0.4	225	14/05/2024	1:00	0.4	112.5	15/05/2024	1:00	1.3	112.5	16/05/2024	1:00	0.4	67.5
13/05/2024	2:00	0.4	247.5	14/05/2024	2:00	0.4	112.5	15/05/2024	2:00	1.8	112.5	16/05/2024	2:00	0.4	90
13/05/2024	3:00	0.4	247.5	14/05/2024	3:00	0.9	90	15/05/2024	3:00	0.9	112.5	16/05/2024	3:00	0.4	135
13/05/2024	4:00	0.9	270	14/05/2024	4:00	0.4	90	15/05/2024	4:00	0.4	135	16/05/2024	4:00	0.9	112.5
13/05/2024	5:00	0.4	112.5	14/05/2024	5:00	0.4	112.5	15/05/2024	5:00	0.4	112.5	16/05/2024	5:00	0.4	135
13/05/2024	6:00	0.4	135	14/05/2024	6:00	0.4	112.5	15/05/2024	6:00	0.4	112.5	16/05/2024	6:00	0.4	112.5
13/05/2024	7:00	0.4	112.5	14/05/2024	7:00	0.9	112.5	15/05/2024	7:00	0.9	90	16/05/2024	7:00	0.4	112.5
13/05/2024	8:00	0.4	112.5	14/05/2024	8:00	0.9	112.5	15/05/2024	8:00	0.4	90	16/05/2024	8:00	0.9	90
13/05/2024	9:00	0.9	90	14/05/2024	9:00	0.9	67.5	15/05/2024	9:00	0.4	112.5	16/05/2024	9:00	0.4	90
13/05/2024	10:00	0.4	90	14/05/2024	10:00	1.3	67.5	15/05/2024	10:00	0.4	112.5	16/05/2024	10:00	0.4	112.5
13/05/2024	11:00	0.4	112.5	14/05/2024	11:00	1.3	90	15/05/2024	11:00	0.9	112.5	16/05/2024	11:00	0.4	112.5
13/05/2024	12:00	0.4	112.5	14/05/2024	12:00	0.9	112.5	15/05/2025	12:00	0.9	112.5	16/05/2024	12:00	0.9	112.5
13/05/2024	13:00	0.9	112.5	14/05/2024	13:00	1.3	90	15/05/2024	13:00	0.4	135	16/05/2024	13:00	0.9	112.5
13/05/2024	14:00	0.9	112.5	14/05/2024	14:00	0.9	67.5	15/05/2024	14:00	0.4	112.5	16/05/2024	14:00	0.9	67.5
13/05/2024	15:00	0.9	67.5	14/05/2024	15:00	0.9	67.5	15/05/2024	15:00	0.4	112.5	16/05/2024	15:00	1.3	67.5
13/05/2024	16:00	1.3	67.5	14/05/2024	16:00	1.3	67.5	15/05/2024	16:00	0.9	90	16/05/2024	16:00	1.3	90
13/05/2024	17:00	1.3	90	14/05/2024	17:00	0.4	45	15/05/2024	17:00	0.4	90	16/05/2024	17:00	0.9	112.5
13/05/2024	18:00	0.9	112.5	14/05/2024	18:00	0.9	135	15/05/2024	18:00	0.4	112.5	16/05/2024	18:00	1.3	90
13/05/2024	19:00	1.3	90	14/05/2024	19:00	0.9	135	15/05/2024	19:00	0.4	112.5	16/05/2024	19:00	0.9	67.5
13/05/2024	20:00	0.9	67.5	14/05/2024	20:00	0.4	225	15/05/2024	20:00	0.9	112.5	16/05/2024	20:00	0.9	67.5
13/05/2024	21:00	0.9	67.5	14/05/2024	21:00	0.4	247.5	15/05/2024	21:00	0.9	112.5	16/05/2024	21:00	1.3	67.5
13/05/2024	22:00	1.3	67.5	14/05/2024	22:00	0.4	247.5	15/05/2024	22:00	0.9	67.5	16/05/2024	22:00	0.4	45
13/05/2024	23:00	0.4	45	14/05/2024	23:00	0.9	270	15/05/2024	23:00	1.3	67.5	16/05/2024	23:00	0.9	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
17/05/2024	0:00	0.9	135	18/05/2024	0:00	1.8	135	19/05/2024	0:00	1.3	90	20/05/2024	0:00	1.8	135
17/05/2024	1:00	0.9	135	18/05/2024	1:00	1.8	112.5	19/05/2024	1:00	0.9	112.5	20/05/2024	1:00	1.8	225
17/05/2024	2:00	0.4	225	18/05/2024	2:00	2.2	112.5	19/05/2024	2:00	1.3	90	20/05/2024	2:00	2.2	247.5
17/05/2024	3:00	0.4	247.5	18/05/2024	3:00	1.8	90	19/05/2024	3:00	0.9	67.5	20/05/2024	3:00	2.7	247.5
17/05/2024	4:00	0.4	247.5	18/05/2024	4:00	1.8	90	19/05/2024	4:00	0.9	67.5	20/05/2024	4:00	1.8	270
17/05/2024	5:00	0.9	270	18/05/2024	5:00	1.8	112.5	19/05/2024	5:00	1.3	67.5	20/05/2024	5:00	1.8	90
17/05/2024	6:00	0.4	45	18/05/2024	6:00	1.8	112.5	19/05/2024	6:00	0.4	45	20/05/2024	6:00	1.8	90
17/05/2024	7:00	0.9	112.5	18/05/2024	7:00	2.2	112.5	19/05/2024	7:00	0.9	135	20/05/2024	7:00	2.2	112.5
17/05/2024	8:00	0.4	135	18/05/2024	8:00	2.2	112.5	19/05/2024	8:00	0.9	135	20/05/2024	8:00	2.2	90
17/05/2024	9:00	0.4	112.5	18/05/2024	9:00	1.8	67.5	19/05/2024	9:00	0.4	225	20/05/2024	9:00	1.8	315
17/05/2024	10:00	0.4	112.5	18/05/2024	10:00	1.8	67.5	19/05/2024	10:00	0.4	247.5	20/05/2024	10:00	1.8	67.5
17/05/2024	11:00	0.9	90	18/05/2024	11:00	2.2	90	19/05/2024	11:00	0.4	247.5	20/05/2024	11:00	2.2	22.5
17/05/2024	12:00	0.4	90	18/05/2024	12:00	1.8	112.5	19/05/2024	12:00	0.9	270	20/05/2024	12:00	1.8	22.5
17/05/2024	13:00	0.4	112.5	18/05/2024	13:00	1.3	90	19/05/2024	13:00	1.8	45	20/05/2024	13:00	1.8	90
17/05/2024	14:00	0.4	112.5	18/05/2024	14:00	1.8	67.5	19/05/2024	14:00	1.3	45	20/05/2024	14:00	1.8	112.5
17/05/2024	15:00	0.9	112.5	18/05/2024	15:00	1.3	67.5	19/05/2024	15:00	1.8	67.5	20/05/2024	15:00	1.3	112.5
17/05/2024	16:00	0.9	112.5	18/05/2024	16:00	1.8	67.5	19/05/2024	16:00	0.9	22.5	20/05/2024	16:00	2.2	112.5
17/05/2024	17:00	0.9	67.5	18/05/2024	17:00	1.8	45	19/05/2024	17:00	0.9	45	20/05/2024	17:00	2.2	45
17/05/2024	18:00	0.4	135	18/05/2024	18:00	1.8	135	19/05/2024	18:00	0.9	67.5	20/05/2024	18:00	1.8	45
17/05/2024	19:00	0.4	112.5	18/05/2024	19:00	1.3	135	19/05/2024	19:00	1.3	67.5	20/05/2024	19:00	1.3	157.5
17/05/2024	20:00	0.4	112.5	18/05/2024	20:00	1.3	225	19/05/2024	20:00	0.9	45	20/05/2024	20:00	1.3	112.5
17/05/2024	21:00	0.9	90	18/05/2024	21:00	0.4	247.5	19/05/2024	21:00	0.9	67.5	20/05/2024	21:00	2.7	180
17/05/2024	22:00	0.4	90	18/05/2024	22:00	0.4	247.5	19/05/2024	22:00	1.3	112.5	20/05/2024	22:00	1.3	112.5
17/05/2024	23:00	0.4	112.5	18/05/2024	23:00	0.9	270	19/05/2024	23:00	0.9	45	20/05/2024	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
21/05/2024	0:00	1.8	112.5	22/05/2024	0:00	0.9	270	23/05/2024	0:00	1.8	112.5	24/05/2024	0:00	1.3	135
21/05/2024	1:00	1.8	90	22/05/2024	1:00	1.3	225	23/05/2024	1:00	2.2	112.5	24/05/2024	1:00	1.3	112.5
21/05/2024	2:00	2.2	112.5	22/05/2024	2:00	1.3	45	23/05/2024	2:00	1.8	45	24/05/2024	2:00	1.8	135
21/05/2024	3:00	1.8	90	22/05/2024	3:00	1.3	45	23/05/2024	3:00	1.8	337.5	24/05/2024	3:00	1.3	135
21/05/2024	4:00	1.8	90	22/05/2024	4:00	1.3	112.5	23/05/2024	4:00	1.8	112.5	24/05/2024	4:00	0.9	135
21/05/2024	5:00	1.8	112.5	22/05/2024	5:00	1.3	90	23/05/2024	5:00	1.3	112.5	24/05/2024	5:00	1.3	90
21/05/2024	6:00	1.8	90	22/05/2024	6:00	1.3	22.5	23/05/2024	6:00	1.8	135	24/05/2024	6:00	1.8	112.5
21/05/2024	7:00	2.2	112.5	22/05/2024	7:00	0.9	315	23/05/2024	7:00	1.3	135	24/05/2024	7:00	0.9	112.5
21/05/2024	8:00	2.2	90	22/05/2024	8:00	1.3	315	23/05/2024	8:00	1.3	112.5	24/05/2024	8:00	1.3	90
21/05/2024	9:00	1.8	67.5	22/05/2024	9:00	1.3	112.5	23/05/2024	9:00	0.9	90	24/05/2024	9:00	0.4	112.5
21/05/2024	10:00	1.8	135	22/05/2024	10:00	1.3	112.5	23/05/2024	10:00	0.9	112.5	24/05/2024	10:00	1.8	112.5
21/05/2024	11:00	2.2	135	22/05/2024	11:00	0.9	112.5	23/05/2024	11:00	1.3	90	24/05/2024	11:00	1.8	225
21/05/2024	12:00	1.8	90	22/05/2024	12:00	0.4	67.5	23/05/2024	12:00	1.3	112.5	24/05/2024	12:00	1.3	112.5
21/05/2024	13:00	1.8	135	22/05/2024	13:00	1.3	247.5	23/05/2024	13:00	1.3	112.5	24/05/2024	13:00	1.3	135
21/05/2024	14:00	1.8	135	22/05/2024	14:00	1.3	22.5	23/05/2024	14:00	0.9	112.5	24/05/2024	14:00	1.3	112.5
21/05/2024	15:00	2.2	90	22/05/2024	15:00	0.4	90	23/05/2024	15:00	0.9	112.5	24/05/2024	15:00	0.9	90
21/05/2024	16:00	1.8	112.5	22/05/2024	16:00	0.4	45	23/05/2024	16:00	1.3	112.5	24/05/2024	16:00	2.2	22.5
21/05/2024	17:00	1.8	90	22/05/2024	17:00	0.4	247.5	23/05/2024	17:00	1.3	135	24/05/2024	17:00	1.3	270
21/05/2024	18:00	1.8	90	22/05/2024	18:00	0.9	270	23/05/2024	18:00	0.9	112.5	24/05/2024	18:00	1.3	270
21/05/2024	19:00	1.8	90	22/05/2024	19:00	1.3	270	23/05/2024	19:00	0.9	112.5	24/05/2024	19:00	0.4	337.5
21/05/2024	20:00	2.2	67.5	22/05/2024	20:00	1.3	247.5	23/05/2024	20:00	1.3	112.5	24/05/2024	20:00	1.3	270
21/05/2024	21:00	2.2	90	22/05/2024	21:00	1.3	247.5	23/05/2024	21:00	0.9	112.5	24/05/2024	21:00	0.9	247.5
21/05/2024	22:00	1.8	45	22/05/2024	22:00	1.8	270	23/05/2024	22:00	1.3	67.5	24/05/2024	22:00	0.4	225
21/05/2024	23:00	1.8	112.5	22/05/2024	23:00	0.9	112.5	23/05/2024	23:00	1.3	67.5	24/05/2024	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
25/05/2024	0:00	2.2	90	26/05/2024	0:00	1.3	135	27/05/2024	0:00	1.3	67.5	28/05/2024	0:00	1.3	90
25/05/2024	1:00	1.8	90	26/05/2024	1:00	0.9	135	27/05/2024	1:00	1.3	67.5	28/05/2024	1:00	2.2	112.5
25/05/2024	2:00	1.3	112.5	26/05/2024	2:00	0.9	157.5	27/05/2024	2:00	1.8	45	28/05/2024	2:00	1.8	135
25/05/2024	3:00	1.8	22.5	26/05/2024	3:00	1.3	112.5	27/05/2024	3:00	1.3	67.5	28/05/2024	3:00	1.3	90
25/05/2024	4:00	1.3	45	26/05/2024	4:00	0.9	157.5	27/05/2024	4:00	0.4	112.5	28/05/2024	4:00	1.8	112.5
25/05/2024	5:00	1.8	67.5	26/05/2024	5:00	1.3	112.5	27/05/2024	5:00	1.3	112.5	28/05/2024	5:00	1.3	135
25/05/2024	6:00	1.8	90	26/05/2024	6:00	0.9	157.5	27/05/2024	6:00	0.9	112.5	28/05/2024	6:00	1.3	90
25/05/2024	7:00	1.8	67.5	26/05/2024	7:00	1.3	112.5	27/05/2024	7:00	0.9	112.5	28/05/2024	7:00	1.3	90
25/05/2024	8:00	2.7	90	26/05/2024	8:00	0.9	135	27/05/2024	8:00	0.4	67.5	28/05/2024	8:00	1.3	112.5
25/05/2024	9:00	0.9	22.5	26/05/2024	9:00	1.3	112.5	27/05/2024	9:00	0.4	67.5	28/05/2024	9:00	1.3	135
25/05/2024	10:00	0.9	292.5	26/05/2024	10:00	0.9	135	27/05/2024	10:00	0.9	112.5	28/05/2024	10:00	0.9	135
25/05/2024	11:00	1.8	247.5	26/05/2024	11:00	1.8	112.5	27/05/2024	11:00	0.4	112.5	28/05/2024	11:00	0.9	157.5
25/05/2024	12:00	1.3	180	26/05/2024	12:00	1.3	135	27/05/2024	12:00	0.4	67.5	28/05/2024	12:00	1.3	90
25/05/2024	13:00	0.4	112.5	26/05/2024	13:00	0.9	135	27/05/2024	13:00	0.9	45	28/05/2024	13:00	1.3	112.5
25/05/2024	14:00	0.4	67.5	26/05/2024	14:00	1.3	112.5	27/05/2024	14:00	0.9	112.5	28/05/2024	14:00	0.9	112.5
25/05/2024	15:00	0.4	22.5	26/05/2024	15:00	1.8	135	27/05/2024	15:00	1.3	90	28/05/2024	15:00	0.4	112.5
25/05/2024	16:00	0.4	67.5	26/05/2024	16:00	2.2	90	27/05/2024	16:00	0.9	202.5	28/05/2024	16:00	0.4	90
25/05/2024	17:00	0.4	135	26/05/2024	17:00	1.8	90	27/05/2024	17:00	0.4	157.5	28/05/2024	17:00	1.3	90
25/05/2024	18:00	0.4	337.5	26/05/2024	18:00	0.9	315	27/05/2024	18:00	0.4	247.5	28/05/2024	18:00	0.9	135
25/05/2024	19:00	0.9	135	26/05/2024	19:00	1.3	67.5	27/05/2024	19:00	0.4	225	28/05/2024	19:00	0.9	90
25/05/2024	20:00	0.9	112.5	26/05/2024	20:00	1.3	22.5	27/05/2024	20:00	0.4	247.5	28/05/2024	20:00	0.4	135
25/05/2024	21:00	0.4	112.5	26/05/2024	21:00	1.3	135	27/05/2024	21:00	0.4	135	28/05/2024	21:00	0.4	112.5
25/05/2024	22:00	0.9	112.5	26/05/2024	22:00	2.2	90	27/05/2024	22:00	0.4	90	28/05/2024	22:00	0.4	112.5
25/05/2024	23:00	0.4	112.5	26/05/2024	23:00	1.8	112.5	27/05/2024	23:00	0.9	90	28/05/2024	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
29/05/2024	0:00	0.9	112.5	30/05/2024	0:00	1.3	112.5	31/05/2024	0:00	0.4	225				
29/05/2024	1:00	0.9	135	30/05/2024	1:00	0.4	22.5	31/05/2024	1:00	0.4	247.5				
29/05/2024	2:00	0.9	112.5	30/05/2024	2:00	0.4	135	31/05/2024	2:00	0.4	315				
29/05/2024	3:00	0.9	135	30/05/2024	3:00	0.9	112.5	31/05/2024	3:00	0.9	270				
29/05/2024	4:00	0.9	112.5	30/05/2024	4:00	0.9	135	31/05/2024	4:00	0.4	270				
29/05/2024	5:00	0.4	135	30/05/2024	5:00	0.4	135	31/05/2024	5:00	1.3	337.5				
29/05/2024	6:00	0.9	135	30/05/2024	6:00	0.9	225	31/05/2024	6:00	0.4	247.5				
29/05/2024	7:00	0.9	157.5	30/05/2024	7:00	1.3	135	31/05/2024	7:00	0.9	22.5				
29/05/2024	8:00	0.9	135	30/05/2024	8:00	0.4	135	31/05/2024	8:00	0.4	337.5				
29/05/2024	9:00	0.9	112.5	30/05/2024	9:00	0.4	112.5	31/05/2024	9:00	0.4	315				
29/05/2024	10:00	0.9	135	30/05/2024	10:00	0.4	135	31/05/2024	10:00	0.9	22.5				
29/05/2024	11:00	0.9	135	30/05/2024	11:00	0.4	247.5	31/05/2024	11:00	0.9	315				
29/05/2024	12:00	0.9	112.5	30/05/2024	12:00	0.4	315	31/05/2024	12:00	1.3	225				
29/05/2024	13:00	0.9	135	30/05/2024	13:00	0.9	270	31/05/2024	13:00	1.3	247.5				
29/05/2024	14:00	0.9	135	30/05/2024	14:00	0.4	270	31/05/2024	14:00	0.4	22.5				
29/05/2024	15:00	1.3	112.5	30/05/2024	15:00	1.3	337.5	31/05/2024	15:00	0.4	22.5				
29/05/2024	16:00	1.8	112.5	30/05/2024	16:00	0.4	247.5	31/05/2024	16:00	0.4	292.5				
29/05/2024	17:00	1.3	112.5	30/05/2024	17:00	0.9	22.5	31/05/2024	17:00	0.4	22.5				
29/05/2024	18:00	1.3	112.5	30/05/2024	18:00	0.4	337.5	31/05/2024	18:00	0.4	112.5				
29/05/2024	19:00	0.9	112.5	30/05/2024	19:00	0.4	315	31/05/2024	19:00	0.4	112.5				
29/05/2024	20:00	0.9	112.5	30/05/2024	20:00	0.9	22.5	31/05/2024	20:00	0.4	112.5				
29/05/2024	21:00	0.4	247.5	30/05/2024	21:00	0.9	315	31/05/2024	21:00	0.4	180				
29/05/2024	22:00	0.9	90	30/05/2024	22:00	1.3	225	31/05/2024	22:00	0.4	112.5				
29/05/2024	23:00	0.4	135	30/05/2024	23:00	1.3	247.5	31/05/2024	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
01/06/2024	0:00	2.2	112.5	02/06/2024	0:00	1.3	112.5	03/06/2024	0:00	0.9	135	04/06/2024	0:00	0.9	45
01/06/2024	1:00	2.7	337.5	02/06/2024	1:00	1.3	112.5	03/06/2024	1:00	0.9	112.5	04/06/2024	1:00	0.4	90
01/06/2024	2:00	2.7	67.5	02/06/2024	2:00	1.8	112.5	03/06/2024	2:00	1.3	112.5	04/06/2024	2:00	0.4	112.5
01/06/2024	3:00	3.1	67.5	02/06/2024	3:00	1.3	112.5	03/06/2024	3:00	0.9	90	04/06/2024	3:00	0.4	112.5
01/06/2024	4:00	3.1	90	02/06/2024	4:00	1.8	45	03/06/2024	4:00	1.3	90	04/06/2024	4:00	0.4	180
01/06/2024	5:00	3.6	67.5	02/06/2024	5:00	1.3	337.5	03/06/2024	5:00	0.4	112.5	04/06/2024	5:00	0.4	270
01/06/2024	6:00	4.1	67.5	02/06/2024	6:00	0.9	112.5	03/06/2024	6:00	0.4	135	04/06/2024	6:00	0.4	45
01/06/2024	7:00	4.1	90	02/06/2024	7:00	0.9	135	03/06/2024	7:00	0.4	112.5	04/06/2024	7:00	0.9	45
01/06/2024	8:00	3.6	90	02/06/2024	8:00	1.8	90	03/06/2024	8:00	0.4	112.5	04/06/2024	8:00	0.9	90
01/06/2024	9:00	2.2	112.5	02/06/2024	9:00	1.8	135	03/06/2024	9:00	0.9	112.5	04/06/2024	9:00	0.4	67.5
01/06/2024	10:00	2.2	90	02/06/2024	10:00	1.3	135	03/06/2024	10:00	0.9	135	04/06/2024	10:00	1.8	157.5
01/06/2024	11:00	1.8	270	02/06/2024	11:00	1.8	67.5	03/06/2024	11:00	0.9	112.5	04/06/2024	11:00	1.8	112.5
01/06/2024	12:00	2.7	270	02/06/2024	12:00	0.4	90	03/06/2024	12:00	0.9	90	04/06/2024	12:00	0.4	180
01/06/2024	13:00	2.2	270	02/06/2024	13:00	1.3	225	03/06/2024	13:00	0.9	112.5	04/06/2024	13:00	0.9	112.5
01/06/2024	14:00	2.7	90	02/06/2024	14:00	1.3	67.5	03/06/2024	14:00	0.9	90	04/06/2024	14:00	0.9	90
01/06/2024	15:00	2.2	90	02/06/2024	15:00	0.9	22.5	03/06/2024	15:00	0.9	112.5	04/06/2024	15:00	1.3	135
01/06/2024	16:00	2.2	90	02/06/2024	16:00	0.4	270	03/06/2024	16:00	0.4	112.5	04/06/2024	16:00	1.3	112.5
01/06/2024	17:00	2.7	90	02/06/2024	17:00	0.4	270	03/06/2024	17:00	1.3	45	04/06/2024	17:00	1.8	135
01/06/2024	18:00	3.1	112.5	02/06/2024	18:00	0.9	247.5	03/06/2024	18:00	0.4	45	04/06/2024	18:00	1.3	135
01/06/2024	19:00	2.7	337.5	02/06/2024	19:00	0.9	247.5	03/06/2024	19:00	0.4	135	04/06/2024	19:00	0.9	270
01/06/2024	20:00	2.7	67.5	02/06/2024	20:00	0.4	270	03/06/2024	20:00	0.9	112.5	04/06/2024	20:00	0.9	247.5
01/06/2024	21:00	3.1	67.5	02/06/2024	21:00	0.4	270	03/06/2024	21:00	0.4	90	04/06/2024	21:00	0.4	270
01/06/2024	22:00	3.1	90	02/06/2024	22:00	0.9	225	03/06/2024	22:00	0.4	112.5	04/06/2024	22:00	1.3	247.5
01/06/2024	23:00	3.6	67.5	02/06/2024	23:00	0.4	225	03/06/2024	23:00	0.4	112.5	04/06/2024	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
05/06/2024	0:00	1.3	67.5	06/06/2024	0:00	0.9	270	07/06/2024	0:00	1.3	112.5	08/06/2024	0:00	1.3	112.5
05/06/2024	1:00	1.3	90	06/06/2024	1:00	0.9	247.5	07/06/2024	1:00	0.9	112.5	08/06/2024	1:00	1.3	90
05/06/2024	2:00	0.4	90	06/06/2024	2:00	0.9	225	07/06/2024	2:00	0.9	112.5	08/06/2024	2:00	0.9	112.5
05/06/2024	3:00	0.4	112.5	06/06/2024	3:00	0.9	45	07/06/2024	3:00	1.3	202.5	08/06/2024	3:00	1.3	67.5
05/06/2024	4:00	0.4	112.5	06/06/2024	4:00	0.9	247.5	07/06/2024	4:00	0.4	90	08/06/2024	4:00	0.9	112.5
05/06/2024	5:00	0.4	112.5	06/06/2024	5:00	0.4	270	07/06/2024	5:00	0.9	112.5	08/06/2024	5:00	1.3	135
05/06/2024	6:00	0.4	135	06/06/2024	6:00	0.9	202.5	07/06/2024	6:00	0.4	90	08/06/2024	6:00	0.9	90
05/06/2024	7:00	0.4	112.5	06/06/2024	7:00	0.9	45	07/06/2024	7:00	0.9	90	08/06/2024	7:00	0.9	112.5
05/06/2024	8:00	0.4	112.5	06/06/2024	8:00	0.9	112.5	07/06/2024	8:00	1.3	90	08/06/2024	8:00	0.4	112.5
05/06/2024	9:00	0.4	67.5	06/06/2024	9:00	0.9	112.5	07/06/2024	9:00	1.8	90	08/06/2024	9:00	0.9	112.5
05/06/2024	10:00	1.3	247.5	06/06/2024	10:00	0.4	112.5	07/06/2024	10:00	0.9	90	08/06/2024	10:00	0.9	135
05/06/2024	11:00	1.3	22.5	06/06/2024	11:00	0.4	112.5	07/06/2024	11:00	0.9	90	08/06/2024	11:00	1.3	112.5
05/06/2024	12:00	0.9	225	06/06/2024	12:00	0.9	112.5	07/06/2024	12:00	0.9	112.5	08/06/2024	12:00	1.3	157.5
05/06/2024	13:00	0.9	67.5	06/06/2024	13:00	0.9	135	07/06/2024	13:00	0.9	112.5	08/06/2024	13:00	0.9	112.5
05/06/2024	14:00	0.9	22.5	06/06/2024	14:00	0.4	112.5	07/06/2024	14:00	0.9	90	08/06/2024	14:00	0.9	90
05/06/2024	15:00	1.3	157.5	06/06/2024	15:00	0.4	112.5	07/06/2024	15:00	0.9	90	08/06/2024	15:00	0.9	112.5
05/06/2024	16:00	0.9	135	06/06/2024	16:00	0.9	22.5	07/06/2024	16:00	0.4	112.5	08/06/2024	16:00	0.9	67.5
05/06/2024	17:00	0.9	67.5	06/06/2024	17:00	0.4	45	07/06/2024	17:00	0.9	112.5	08/06/2026	17:00	0.9	22.5
05/06/2024	18:00	0.9	247.5	06/06/2024	18:00	0.4	45	07/06/2024	18:00	0.4	112.5	08/06/2024	18:00	0.9	247.5
05/06/2024	19:00	0.4	225	06/06/2024	19:00	1.3	45	07/06/2024	19:00	0.4	112.5	08/06/2024	19:00	0.9	22.5
05/06/2024	20:00	0.9	45	06/06/2024	20:00	0.9	67.5	07/06/2024	20:00	0.4	135	08/06/2024	20:00	0.9	22.5
05/06/2024	21:00	0.9	45	06/06/2024	21:00	0.9	45	07/06/2024	21:00	0.9	135	08/06/2024	21:00	1.3	270
05/06/2024	22:00	1.3	45	06/06/2024	22:00	0.4	67.5	07/06/2024	22:00	0.9	112.5	08/06/2024	22:00	1.3	247.5
05/06/2024	23:00	1.3	45	06/06/2024	23:00	0.4	157.5	07/06/2024	23:00	0.9	112.5	08/06/2024	23:00	1.3	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
09/06/2024	0:00	0.9	67.5	10/06/2024	0:00	1.3	247.5	11/06/2024	0:00	1.3	225	12/06/2024	0:00	1.3	247.5
09/06/2024	1:00	0.9	22.5	10/06/2024	1:00	0.9	247.5	11/06/2024	1:00	0.9	112.5	12/06/2024	1:00	1.3	270
09/06/2024	2:00	0.9	45	10/06/2024	2:00	0.4	247.5	11/06/2024	2:00	1.3	67.5	12/06/2024	2:00	1.3	67.5
09/06/2024	3:00	0.9	67.5	10/06/2024	3:00	0.4	112.5	11/06/2024	3:00	1.3	45	12/06/2024	3:00	0.9	67.5
09/06/2024	4:00	1.3	67.5	10/06/2024	4:00	0.4	180	11/06/2024	4:00	1.3	337.5	12/06/2024	4:00	1.3	67.5
09/06/2024	5:00	1.3	45	10/06/2024	5:00	0.9	225	11/06/2024	5:00	0.9	67.5	12/06/2024	5:00	1.3	67.5
09/06/2024	6:00	1.3	45	10/06/2024	6:00	0.9	247.5	11/06/2024	6:00	0.4	45	12/06/2024	6:00	1.3	67.5
09/06/2024	7:00	2.7	45	10/06/2024	7:00	0.9	247.5	11/06/2024	7:00	0.4	112.5	12/06/2024	7:00	1.3	67.5
09/06/2024	8:00	1.8	45	10/06/2024	8:00	0.4	225	11/06/2024	8:00	0.4	112.5	12/06/2024	8:00	0.9	90
09/06/2024	9:00	1.3	22.5	10/06/2024	9:00	0.4	247.5	11/06/2024	9:00	0.4	112.5	12/06/2024	9:00	0.4	112.5
09/06/2024	10:00	1.3	45	10/06/2024	10:00	0.4	292.5	11/06/2024	10:00	0.9	112.5	12/06/2024	10:00	0.4	67.5
09/06/2024	11:00	1.8	45	10/06/2024	11:00	0.9	225	11/06/2024	11:00	1.8	112.5	12/06/2024	11:00	0.4	90
09/06/2024	12:00	2.2	270	10/06/2024	12:00	0.9	247.5	11/06/2024	12:00	0.4	247.5	12/06/2024	12:00	0.9	67.5
09/06/2024	13:00	3.6	22.5	10/06/2024	13:00	0.4	247.5	11/06/2024	13:00	0.4	247.5	12/06/2024	13:00	0.9	67.5
09/06/2024	14:00	2.2	45	10/06/2024	14:00	0.4	157.5	11/06/2024	14:00	0.4	112.5	12/06/2024	14:00	0.4	90
09/06/2024	15:00	3.6	247.5	10/06/2024	15:00	0.9	112.5	11/06/2024	15:00	0.9	112.5	12/06/2024	15:00	0.9	67.5
09/06/2024	16:00	1.3	270	10/06/2024	16:00	0.9	157.5	11/06/2024	16:00	0.9	135	12/06/2024	16:00	0.9	67.5
09/06/2024	17:00	1.3	270	10/06/2024	17:00	0.4	157.5	11/06/2024	17:00	0.9	112.5	12/06/2024	17:00	0.9	67.5
09/06/2024	18:00	1.8	247.5	10/06/2024	18:00	0.9	247.5	11/06/2024	18:00	1.3	112.5	12/06/2024	18:00	1.3	67.5
09/06/2024	19:00	1.8	247.5	10/06/2024	19:00	0.9	112.5	11/06/2024	19:00	0.9	112.5	12/06/2024	19:00	0.9	90
09/06/2024	20:00	2.7	247.5	10/06/2024	20:00	0.4	247.5	11/06/2024	20:00	0.9	112.5	12/06/2024	20:00	0.9	67.5
09/06/2024	21:00	1.3	67.5	10/06/2024	21:00	0.9	225	11/06/2024	21:00	1.3	202.5	12/06/2024	21:00	0.9	45
09/06/2024	22:00	2.7	45	10/06/2024	22:00	0.9	157.5	11/06/2024	22:00	0.4	90	12/06/2024	22:00	0.9	67.5
09/06/2024	23:00	0.9	135	10/06/2024	23:00	1.8	112.5	11/06/2024	23:00	0.9	112.5	12/06/2024	23:00	1.3	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
13/06/2024	0:00	1.3	112.5	14/06/2024	0:00	0.9	135	15/06/2024	0:00	0.4	247.5	16/06/2024	0:00	0.4	112.5
13/06/2024	1:00	1.3	90	14/06/2024	1:00	0.9	247.5	15/06/2024	1:00	1.3	247.5	16/06/2024	1:00	0.4	135
13/06/2024	2:00	1.3	90	14/06/2024	2:00	0.9	135	15/06/2024	2:00	0.9	180	16/06/2024	2:00	0.9	67.5
13/06/2024	3:00	0.9	90	14/06/2024	3:00	0.4	270	15/06/2024	3:00	2.7	180	16/06/2024	3:00	0.9	67.5
13/06/2024	4:00	0.9	67.5	14/06/2024	4:00	1.3	112.5	15/06/2024	4:00	2.2	247.5	16/06/2024	4:00	0.4	90
13/06/2024	5:00	0.9	67.5	14/06/2024	5:00	1.3	112.5	15/06/2024	5:00	2.2	247.5	16/06/2024	5:00	0.9	67.5
13/06/2024	6:00	0.4	112.5	14/06/2024	6:00	1.3	135	15/06/2024	6:00	1.8	225	16/06/2024	6:00	1.8	112.5
13/06/2024	7:00	0.4	90	14/06/2024	7:00	1.3	112.5	15/06/2024	7:00	1.3	247.5	16/06/2024	7:00	0.4	112.5
13/06/2024	8:00	1.3	67.5	14/06/2024	8:00	2.2	112.5	15/06/2024	8:00	1.3	247.5	16/06/2024	8:00	1.8	112.5
13/06/2024	9:00	1.3	45	14/06/2024	9:00	2.2	112.5	15/06/2024	9:00	1.8	247.5	16/06/2024	9:00	1.8	112.5
13/06/2024	10:00	0.9	90	14/06/2024	10:00	1.8	112.5	15/06/2024	10:00	1.3	247.5	16/06/2024	10:00	0.9	112.5
13/06/2024	11:00	0.9	67.5	14/06/2024	11:00	1.3	112.5	15/06/2024	11:00	1.8	225	16/06/2024	11:00	1.3	112.5
13/06/2024	12:00	0.9	90	14/06/2024	12:00	1.8	90	15/06/2025	12:00	0.9	225	16/06/2024	12:00	0.9	112.5
13/06/2024	13:00	0.9	90	14/06/2024	13:00	2.2	112.5	15/06/2024	13:00	0.9	247.5	16/06/2024	13:00	0.9	112.5
13/06/2024	14:00	1.3	90	14/06/2024	14:00	2.2	90	15/06/2024	14:00	0.4	225	16/06/2024	14:00	0.9	135
13/06/2024	15:00	0.9	112.5	14/06/2024	15:00	2.2	112.5	15/06/2024	15:00	0.9	247.5	16/06/2024	15:00	0.9	112.5
13/06/2024	16:00	0.9	112.5	14/06/2024	16:00	2.7	112.5	15/06/2024	16:00	0.9	112.5	16/06/2024	16:00	0.4	112.5
13/06/2024	17:00	0.9	112.5	14/06/2024	17:00	1.8	90	15/06/2024	17:00	0.4	112.5	16/06/2024	17:00	0.4	112.5
13/06/2024	18:00	1.3	90	14/06/2024	18:00	1.8	112.5	15/06/2024	18:00	0.4	337.5	16/06/2024	18:00	0.4	135
13/06/2024	19:00	1.3	90	14/06/2024	19:00	2.2	112.5	15/06/2024	19:00	0.4	112.5	16/06/2024	19:00	0.9	112.5
13/06/2024	20:00	1.3	90	14/06/2024	20:00	2.2	90	15/06/2024	20:00	0.9	112.5	16/06/2024	20:00	0.9	112.5
13/06/2024	21:00	1.3	112.5	14/06/2024	21:00	2.2	112.5	15/06/2024	21:00	0.9	112.5	16/06/2024	21:00	0.9	112.5
13/06/2024	22:00	1.3	135	14/06/2024	22:00	1.8	112.5	15/06/2024	22:00	1.3	112.5	16/06/2024	22:00	0.9	112.5
13/06/2024	23:00	1.8	112.5	14/06/2024	23:00	1.8	112.5	15/06/2024	23:00	1.8	112.5	16/06/2024	23:00	0.9	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
17/06/2024	0:00	0.9	135	18/06/2024	0:00	0.9	135	19/06/2024	0:00	0.9	112.5	20/06/2024	0:00	1.8	90
17/06/2024	1:00	0.4	135	18/06/2024	1:00	0.4	135	19/06/2024	1:00	0.9	112.5	20/06/2024	1:00	0.9	90
17/06/2024	2:00	0.4	135	18/06/2024	2:00	0.4	135	19/06/2024	2:00	0.9	67.5	20/06/2024	2:00	0.9	202.5
17/06/2024	3:00	0.4	135	18/06/2024	3:00	0.4	135	19/06/2024	3:00	0.9	45	20/06/2024	3:00	0.9	112.5
17/06/2024	4:00	0.4	0	18/06/2024	4:00	0.4	0	19/06/2024	4:00	0.9	337.5	20/06/2024	4:00	0.9	0
17/06/2024	5:00	0.4	112.5	18/06/2024	5:00	0.4	112.5	19/06/2024	5:00	1.8	0	20/06/2024	5:00	1.3	112.5
17/06/2024	6:00	0	112.5	18/06/2024	6:00	0	112.5	19/06/2024	6:00	1.8	45	20/06/2024	6:00	1.3	247.5
17/06/2024	7:00	0.4	112.5	18/06/2024	7:00	1.8	90	19/06/2024	7:00	0.9	112.5	20/06/2024	7:00	1.8	337.5
17/06/2024	8:00	0.4	337.5	18/06/2024	8:00	1.3	90	19/06/2024	8:00	1.3	90	20/06/2024	8:00	1.8	45
17/06/2024	9:00	0.9	45	18/06/2024	9:00	0.9	45	19/06/2024	9:00	0.9	90	20/06/2024	9:00	0.9	67.5
17/06/2024	10:00	0.4	45	18/06/2024	10:00	0.9	90	19/06/2024	10:00	0.4	135	20/06/2024	10:00	0.4	112.5
17/06/2024	11:00	0.4	112.5	18/06/2024	11:00	0.9	90	19/06/2024	11:00	0.9	337.5	20/06/2024	11:00	1.3	247.5
17/06/2024	12:00	0.9	112.5	18/06/2024	12:00	1.8	45	19/06/2024	12:00	0.9	135	20/06/2024	12:00	0.9	225
17/06/2024	13:00	0.4	315	18/06/2024	13:00	1.3	0	19/06/2024	13:00	0.9	90	20/06/2024	13:00	0.9	247.5
17/06/2024	14:00	0.4	112.5	18/06/2024	14:00	0.9	112.5	19/06/2024	14:00	1.3	90	20/06/2024	14:00	0.4	247.5
17/06/2024	15:00	1.3	67.5	18/06/2024	15:00	2.2	90	19/06/2024	15:00	1.8	112.5	20/06/2024	15:00	0.4	247.5
17/06/2024	16:00	1.3	90	18/06/2024	16:00	1.8	90	19/06/2024	16:00	2.2	112.5	20/06/2024	16:00	0.4	247.5
17/06/2024	17:00	1.8	112.5	18/06/2024	17:00	1.3	90	19/06/2024	17:00	1.3	112.5	20/06/2024	17:00	0	247.5
17/06/2024	18:00	2.7	90	18/06/2024	18:00	0.9	337.5	19/06/2024	18:00	0.9	112.5	20/06/2024	18:00	0.4	112.5
17/06/2024	19:00	1.3	90	18/06/2024	19:00	1.3	45	19/06/2024	19:00	0.9	112.5	20/06/2024	19:00	0.9	270
17/06/2024	20:00	1.8	45	18/06/2024	20:00	0.4	292.5	19/06/2024	20:00	1.8	247.5	20/06/2024	20:00	0.4	292.5
17/06/2024	21:00	1.8	67.5	18/06/2024	21:00	0.9	112.5	19/06/2024	21:00	0.9	202.5	20/06/2024	21:00	0.4	135
17/06/2024	22:00	0.9	112.5	18/06/2024	22:00	0.4	247.5	19/06/2024	22:00	0.9	135	20/06/2024	22:00	0.9	135
17/06/2024	23:00	0.9	45	18/06/2024	23:00	0.9	270	19/06/2024	23:00	0.9	112.5	20/06/2024	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
21/06/2024	0:00	0.9	0	22/06/2024	0:00	0.4	90	23/06/2024	0:00	0.4	225	24/06/2024	0:00	0.4	90
21/06/2024	1:00	0.4	292.5	22/06/2024	1:00	0.4	22.5	23/06/2024	1:00	0.4	202.5	24/06/2024	1:00	0.4	22.5
21/06/2024	2:00	0.4	135	22/06/2024	2:00	1.3	90	23/06/2024	2:00	0	202.5	24/06/2024	2:00	1.3	90
21/06/2024	3:00	0.9	135	22/06/2024	3:00	0.9	112.5	23/06/2024	3:00	0.4	225	24/06/2024	3:00	0.9	112.5
21/06/2024	4:00	0.9	90	22/06/2024	4:00	0.9	112.5	23/06/2024	4:00	0.4	202.5	24/06/2024	4:00	0.9	112.5
21/06/2024	5:00	0.4	270	22/06/2024	5:00	0.9	135	23/06/2024	5:00	0	202.5	24/06/2024	5:00	0.9	135
21/06/2024	6:00	0.9	45	22/06/2024	6:00	0.9	90	23/06/2024	6:00	0.4	112.5	24/06/2024	6:00	0.9	90
21/06/2024	7:00	0.4	337.5	22/06/2024	7:00	0.9	112.5	23/06/2024	7:00	0	112.5	24/06/2024	7:00	0.9	112.5
21/06/2024	8:00	0.9	45	22/06/2024	8:00	1.8	112.5	23/06/2024	8:00	0.4	112.5	24/06/2024	8:00	1.8	112.5
21/06/2024	9:00	0.4	247.5	22/06/2024	9:00	1.3	112.5	23/06/2024	9:00	0.4	112.5	24/06/2024	9:00	1.3	112.5
21/06/2024	10:00	0.4	225	22/06/2024	10:00	0.9	90	23/06/2024	10:00	0.4	112.5	24/06/2024	10:00	0.9	90
21/06/2024	11:00	1.3	90	22/06/2024	11:00	0	247.5	23/06/2024	11:00	1.3	112.5	24/06/2024	11:00	1.8	90
21/06/2024	12:00	0.4	112.5	22/06/2024	12:00	0	225	23/06/2024	12:00	0.4	90	24/06/2024	12:00	1.3	90
21/06/2024	13:00	0.9	202.5	22/06/2024	13:00	1.3	247.5	23/06/2024	13:00	0.4	22.5	24/06/2024	13:00	1.8	67.5
21/06/2024	14:00	0.4	112.5	22/06/2024	14:00	0.9	225	23/06/2024	14:00	1.3	90	24/06/2024	14:00	0.9	112.5
21/06/2024	15:00	0	112.5	22/06/2024	15:00	0.9	247.5	23/06/2024	15:00	0.9	112.5	24/06/2024	15:00	1.8	22.5
21/06/2024	16:00	0.4	112.5	22/06/2024	16:00	0.4	247.5	23/06/2024	16:00	0.9	112.5	24/06/2024	16:00	0.9	270
21/06/2024	17:00	0.4	112.5	22/06/2024	17:00	0.4	247.5	23/06/2024	17:00	0.9	135	24/06/2024	17:00	1.3	0
21/06/2024	18:00	0.4	112.5	22/06/2024	18:00	0.4	247.5	23/06/2024	18:00	0.9	90	24/06/2024	18:00	1.3	270
21/06/2024	19:00	1.3	112.5	22/06/2024	19:00	0	247.5	23/06/2024	19:00	0.9	112.5	24/06/2024	19:00	0.4	337.5
21/06/2024	20:00	1.8	112.5	22/06/2024	20:00	0.4	112.5	23/06/2024	20:00	1.8	112.5	24/06/2024	20:00	1.3	270
21/06/2024	21:00	2.2	90	22/06/2024	21:00	0.9	270	23/06/2024	21:00	1.3	112.5	24/06/2024	21:00	0.9	247.5
21/06/2024	22:00	1.8	90	22/06/2024	22:00	0.4	292.5	23/06/2024	22:00	0.9	90	24/06/2024	22:00	0.4	225
21/06/2024	23:00	1.3	90	22/06/2024	23:00	0.4	112.5	23/06/2024	23:00	1.8	90	24/06/2024	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
25/06/2024	0:00	2.2	112.5	26/06/2024	0:00	1.3	67.5	27/06/2024	0:00	1.3	90	28/06/2024	0:00	1.3	90
25/06/2024	1:00	2.2	90	26/06/2024	1:00	0.9	67.5	27/06/2024	1:00	1.8	67.5	28/06/2024	1:00	0.9	45
25/06/2024	2:00	2.7	112.5	26/06/2024	2:00	0.9	135	27/06/2024	2:00	0.9	112.5	28/06/2024	2:00	0.4	45
25/06/2024	3:00	1.8	112.5	26/06/2024	3:00	0.9	45	27/06/2024	3:00	0.4	112.5	28/06/2024	3:00	0.4	67.5
25/06/2024	4:00	2.2	90	26/06/2024	4:00	0.9	247.5	27/06/2024	4:00	0.4	90	28/06/2024	4:00	0.4	315
25/06/2024	5:00	1.3	90	26/06/2024	5:00	0.4	225	27/06/2024	5:00	0.9	112.5	28/06/2024	5:00	0.9	270
25/06/2024	6:00	1.3	112.5	26/06/2024	6:00	0.9	67.5	27/06/2024	6:00	0.9	90	28/06/2024	6:00	0.4	337.5
25/06/2024	7:00	1.3	112.5	26/06/2024	7:00	0.4	270	27/06/2024	7:00	1.3	90	28/06/2024	7:00	0.9	292.5
25/06/2024	8:00	2.2	112.5	26/06/2024	8:00	0.4	247.5	27/06/2024	8:00	1.3	112.5	28/06/2024	8:00	0.4	337.5
25/06/2024	9:00	2.2	90	26/06/2024	9:00	0.4	180	27/06/2024	9:00	0.4	45	28/06/2024	9:00	0.9	315
25/06/2024	10:00	2.7	112.5	26/06/2024	10:00	0.4	247.5	27/06/2024	10:00	0.4	0	28/06/2024	10:00	0.9	112.5
25/06/2024	11:00	1.8	112.5	26/06/2024	11:00	0.4	270	27/06/2024	11:00	0.9	90	28/06/2024	11:00	0.9	225
25/06/2024	12:00	2.2	90	26/06/2024	12:00	0.4	135	27/06/2024	12:00	0.4	112.5	28/06/2024	12:00	0.9	112.5
25/06/2024	13:00	1.3	90	26/06/2024	13:00	0.4	157.5	27/06/2024	13:00	0.4	135	28/06/2024	13:00	0.4	67.5
25/06/2024	14:00	1.3	112.5	26/06/2024	14:00	0.4	157.5	27/06/2024	14:00	0.4	135	28/06/2024	14:00	0.4	337.5
25/06/2024	15:00	1.3	112.5	26/06/2024	15:00	0.4	202.5	27/06/2024	15:00	0.4	112.5	28/06/2024	15:00	0.4	135
25/06/2024	16:00	0.9	135	26/06/2024	16:00	1.3	225	27/06/2024	16:00	0.4	112.5	28/06/2024	16:00	0.4	90
25/06/2024	17:00	1.3	90	26/06/2024	17:00	1.3	247.5	27/06/2024	17:00	0.4	112.5	28/06/2024	17:00	1.3	90
25/06/2024	18:00	0.9	112.5	26/06/2024	18:00	0.9	135	27/06/2024	18:00	0.4	112.5	28/06/2024	18:00	0.9	135
25/06/2024	19:00	0.9	112.5	26/06/2024	19:00	0.9	112.5	27/06/2024	19:00	0.9	112.5	28/06/2024	19:00	0.9	90
25/06/2024	20:00	1.8	112.5	26/06/2024	20:00	1.3	22.5	27/06/2024	20:00	0.4	112.5	28/06/2024	20:00	0.4	135
25/06/2024	21:00	0.4	90	26/06/2024	21:00	1.3	135	27/06/2024	21:00	1.3	112.5	28/06/2024	21:00	0.4	112.5
25/06/2024	22:00	1.3	45	26/06/2024	22:00	2.2	90	27/06/2024	22:00	1.3	90	28/06/2024	22:00	0.4	112.5
25/06/2024	23:00	0.9	112.5	26/06/2024	23:00	1.8	112.5	27/06/2024	23:00	0.9	112.5	28/06/2024	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

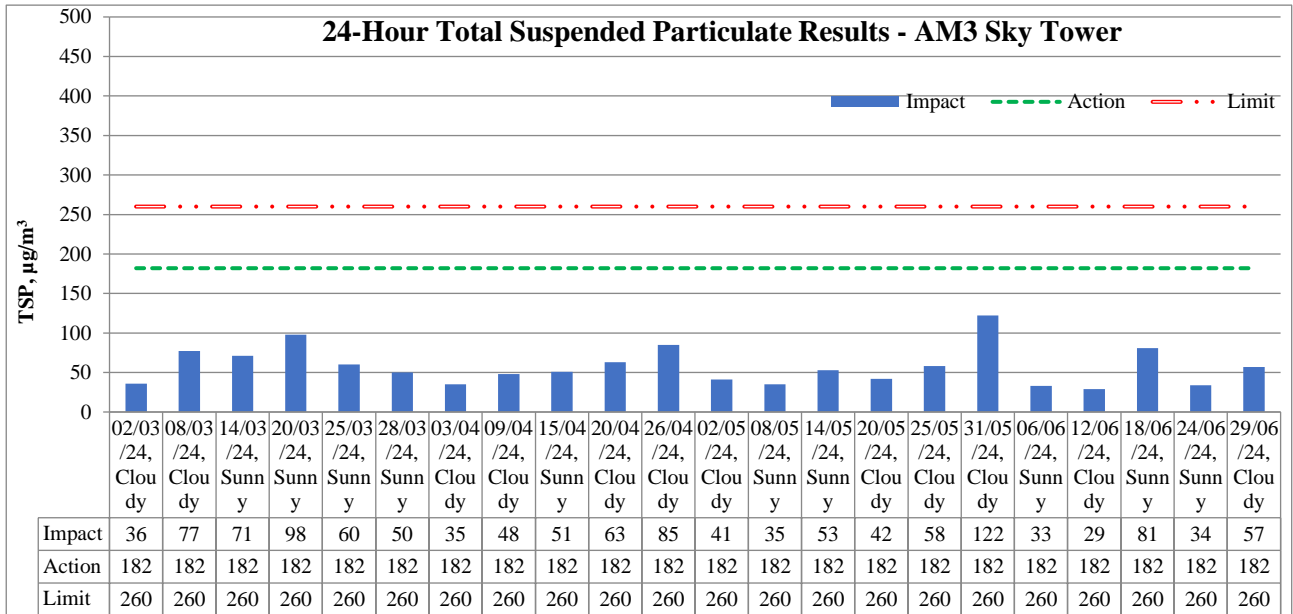
Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
29/06/2024	0:00	1.8	157.5	30/06/2024	0:00	0.4	67.5								
29/06/2024	1:00	1.8	67.5	30/06/2024	1:00	0.4	112.5								
29/06/2024	2:00	2.2	67.5	30/06/2024	2:00	0.9	337.5								
29/06/2024	3:00	2.7	90	30/06/2024	3:00	0.9	135								
29/06/2024	4:00	2.7	90	30/06/2024	4:00	0.4	135								
29/06/2024	5:00	2.2	90	30/06/2024	5:00	0.9	135								
29/06/2024	6:00	2.7	67.5	30/06/2024	6:00	0.9	135								
29/06/2024	7:00	2.2	90	30/06/2024	7:00	1.3	45								
29/06/2024	8:00	2.2	67.5	30/06/2024	8:00	1.3	112.5								
29/06/2024	9:00	1.8	90	30/06/2024	9:00	0.9	90								
29/06/2024	10:00	0.9	135	30/06/2024	10:00	1.3	112.5								
29/06/2024	11:00	0.9	135	30/06/2024	11:00	0.9	337.5								
29/06/2024	12:00	0.9	112.5	30/06/2024	12:00	0.4	337.5								
29/06/2024	13:00	0.9	135	30/06/2024	13:00	0.4	337.5								
29/06/2024	14:00	0.9	135	30/06/2024	14:00	0.4	337.5								
29/06/2024	15:00	1.3	112.5	30/06/2024	15:00	0.4	135								
29/06/2024	16:00	1.8	112.5	30/06/2024	16:00	0.4	135								
29/06/2024	17:00	1.3	112.5	30/06/2024	17:00	1.3	112.5								
29/06/2024	18:00	1.3	112.5	30/06/2024	18:00	1.3	112.5								
29/06/2024	19:00	0.9	112.5	30/06/2024	19:00	1.3	112.5								
29/06/2024	20:00	0.9	112.5	30/06/2024	20:00	0.4	90								
29/06/2024	21:00	0.4	247.5	30/06/2024	21:00	0.4	90								
29/06/2024	22:00	0.9	90	30/06/2024	22:00	0.4	112.5								
29/06/2024	23:00	0.4	135	30/06/2024	23:00	0.4	112.5								

Appendix E – Monitoring data and graphical plots

24-hour average TSP

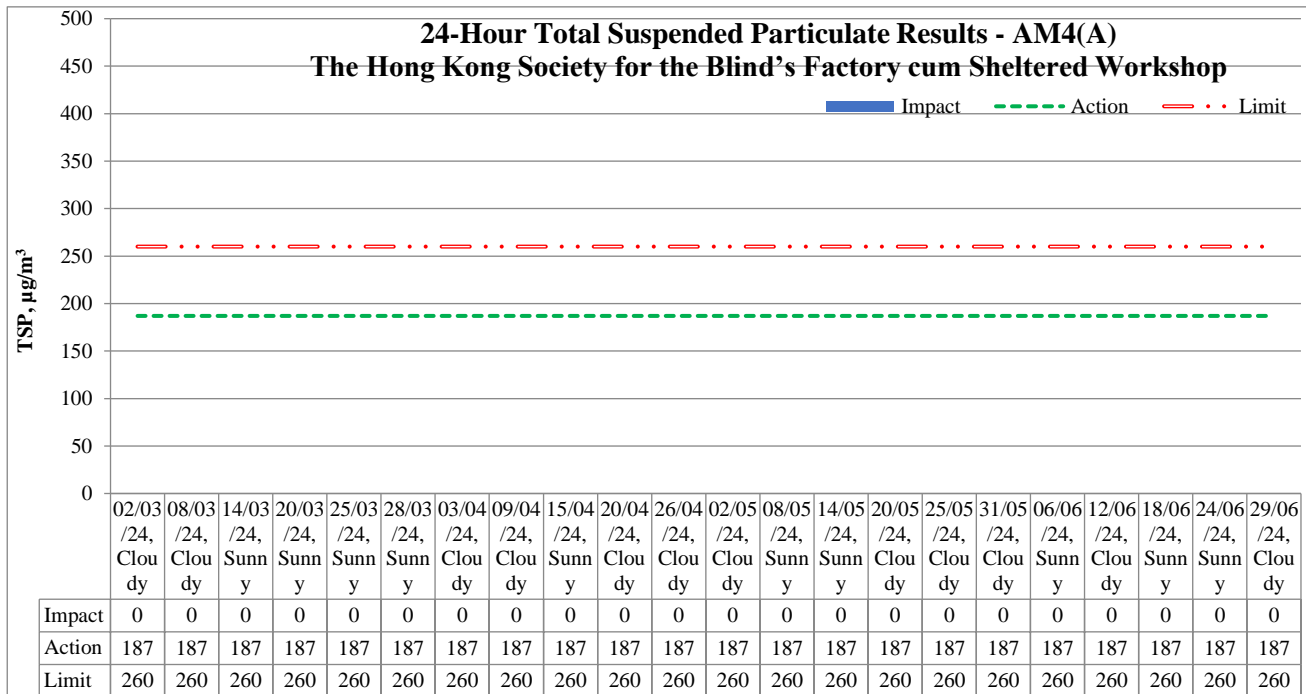
Air Monitoring Station		AM3 – Sky Tower	AM4(A) – The Hong Kong Society for the Blind’s Factory cum Sheltered Workshop*	AM7 – Hong Kong Children’s Hospital
Start Date	Weather	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
02/03/2024	Cloudy	36	/	53
08/03/2024	Cloudy	77	/	79
14/03/2024	Sunny	71	/	70
20/03/2024	Sunny	98	/	93
25/03/2024	Sunny	60	/	78
28/03/2024	Sunny	50	/	50
03/04/2024	Cloudy	35	/	31
09/04/2024	Cloudy	48	/	46
15/04/2024	Sunny	51	/	76
20/04/2024	Cloudy	63	/	89
26/04/2024	Cloudy	85	/	113
02/05/2024	Cloudy	41	/	32
08/05/2024	Sunny	35	/	57
14/05/2024	Sunny	53	/	32
20/05/2024	Cloudy	42	/	54
25/05/2024	Cloudy	58	/	69
31/05/2024	Cloudy	122	/	120
06/06/2024	Sunny	33	/	25
12/06/2024	Cloudy	29	/	36
18/06/2024	Sunny	81	/	86
24/06/2024	Sunny	34	/	26
29/06/2024	Cloudy	57	/	66

NOTE: * Due to the relocation of The Hong Kong Society for the Blind’s Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-hour TSP monitoring was conducted at AM4(A) because of the assess limitation in September 2022.



Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Construction of RC structure for Lift LT-1 and LT-2	✓	✓		
Modification works at Shing Kai Road	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/ watermains	✓	✓		
Construction of remaining works for Noise Barrier	✓	✓		
Construction of Seawater Intake Box Culvert	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/watermains and construction of associated manholes at Road L12d and at-grade road.	✓	✓		
Construction of Observation Deck	✓	✓	✓	
Construction of Harbour Steps	✓	✓		
Concreting and RC structure of Toilet cum Changing Room	✓	✓		
E&M works for Underpass 03	✓	✓		
Waterproofing works for ELD	✓	✓		
Concreting and RC structure of Pumping Stations	✓	✓		
Construction of permanent railing for NDR	✓	✓		
Installation the lift cart for Lift LT-4	✓	✓		
Construction of LCSD Temporary Office	✓	✓		
Construction of pedestrian street near Shing Fung Road Roundabout	✓	✓		
Construction of Floating Stage	✓	✓	✓	
Construction of Outfall 1&2	✓			
Remedial works in Cell of DCS Intake Box Culvert			✓	✓
Granolithic finish work of Harbour Steps			✓	✓
Erection of steel members of Temporary Management Office			✓	
Erection of steel members of Toilet cum and Changing Room			✓	
Construction of draw pit and pipe ducting at Open Space and Promenade			✓	✓
Installation of drainage near Pumping Station			✓	✓
Finishing work in Pumping Station			✓	✓
Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck			✓	✓
Installation of steel roof structure at Observation Deck				✓
Construction of thrust block, wash-out chamber, manhole for drainage works & draw pit for cable works.				✓
Installation of internal partition of Temporary Management Office				✓
Installation of internal partition of Toilet cum and Changing Room				✓

Factors might affect the monitoring results	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

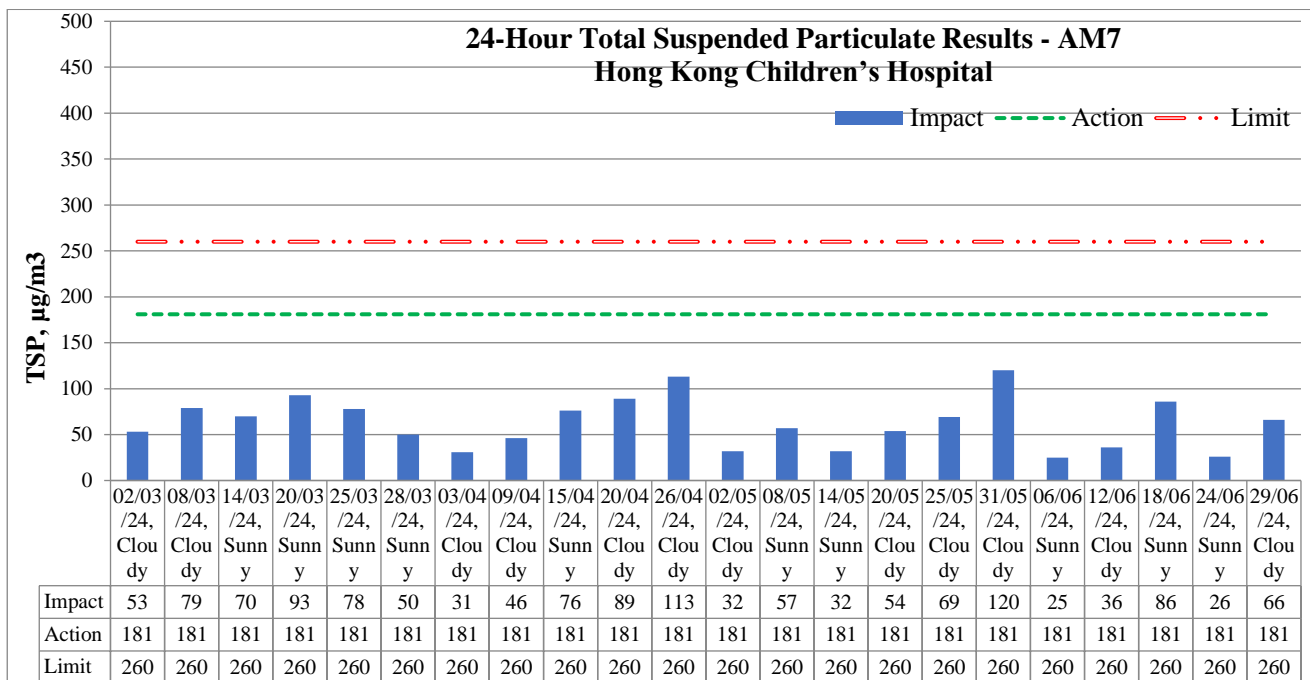


NOTE: *Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-hour TSP monitoring was conducted at AM4(A) because of the assess limitation in September 2022.

Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Construction of RC structure for Lift LT-1 and LT-2	✓	✓		
Modification works at Shing Kai Road	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/ watermains	✓	✓		
Construction of remaining works for Noise Barrier	✓	✓		
Construction of Seawater Intake Box Culvert	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/watermains and construction of associated manholes at Road L12d and at-grade road.	✓	✓		
Construction of Observation Deck	✓	✓	✓	
Construction of Harbour Steps	✓	✓		
Concreting and RC structure of Toilet cum Changing Room	✓	✓		
E&M works for Underpass 03	✓	✓		
Waterproofing works for ELD	✓	✓		
Concreting and RC structure of Pumping Stations	✓	✓		
Construction of permanent railing for NDR	✓	✓		
Installation the lift cart for Lift LT-4	✓	✓		
Construction of LCSD Temporary Office	✓	✓		
Construction of pedestrian street near Shing Fung Road Roundabout	✓	✓		
Construction of Floating Stage	✓	✓	✓	
Construction of Outfall 1&2	✓			
Remedial works in Cell of DCS Intake Box Culvert			✓	✓
Granolithic finish work of Harbour Steps			✓	✓
Erection of steel members of Temporary Management Office			✓	
Erection of steel members of Toilet cum and Changing Room			✓	
Construction of draw pit and pipe ducting at Open Space and Promenade			✓	✓

Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Installation of drainage near Pumping Station			✓	✓
Finishing work in Pumping Station			✓	✓
Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck			✓	✓
Installation of steel roof structure at Observation Deck				✓
Construction of thrust block, wash-out chamber, manhole for drainage works & draw pit for cable works.				✓
Installation of internal partition of Temporary Management Office				✓
Installation of internal partition of Toilet cum and Changing Room				✓

Factors might affect the monitoring results	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓



Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Construction of RC structure for Lift LT-1 and LT-2	✓	✓		
Modification works at Shing Kai Road	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/ watermains	✓	✓		
Construction of remaining works for Noise Barrier	✓	✓		
Construction of Seawater Intake Box Culvert	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/watermains and construction of associated manholes at Road L12d and at-grade road.	✓	✓		
Construction of Observation Deck	✓	✓	✓	
Construction of Harbour Steps	✓	✓		
Concreting and RC structure of Toilet cum Changing Room	✓	✓		
E&M works for Underpass 03	✓	✓		
Waterproofing works for ELD	✓	✓		

Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Concreting and RC structure of Pumping Stations	✓	✓		
Construction of permanent railing for NDR	✓	✓		
Installation the lift cart for Lift LT-4	✓	✓		
Construction of LCSD Temporary Office	✓	✓		
Construction of pedestrian street near Shing Fung Road Roundabout	✓	✓		
Construction of Floating Stage	✓	✓	✓	
Construction of Outfall 1&2	✓			
Remedial works in Cell of DCS Intake Box Culvert			✓	✓
Granolithic finish work of Harbour Steps			✓	✓
Erection of steel members of Temporary Management Office			✓	
Erection of steel members of Toilet cum and Changing Room			✓	
Construction of draw pit and pipe ducting at Open Space and Promenade			✓	✓
Installation of drainage near Pumping Station			✓	✓
Finishing work in Pumping Station			✓	✓
Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck			✓	✓
Installation of steel roof structure at Observation Deck				✓
Construction of thrust block, wash-out chamber, manhole for drainage works & draw pit for cable works.				✓
Installation of internal partition of Temporary Management Office				✓
Installation of internal partition of Toilet cum and Changing Room				✓

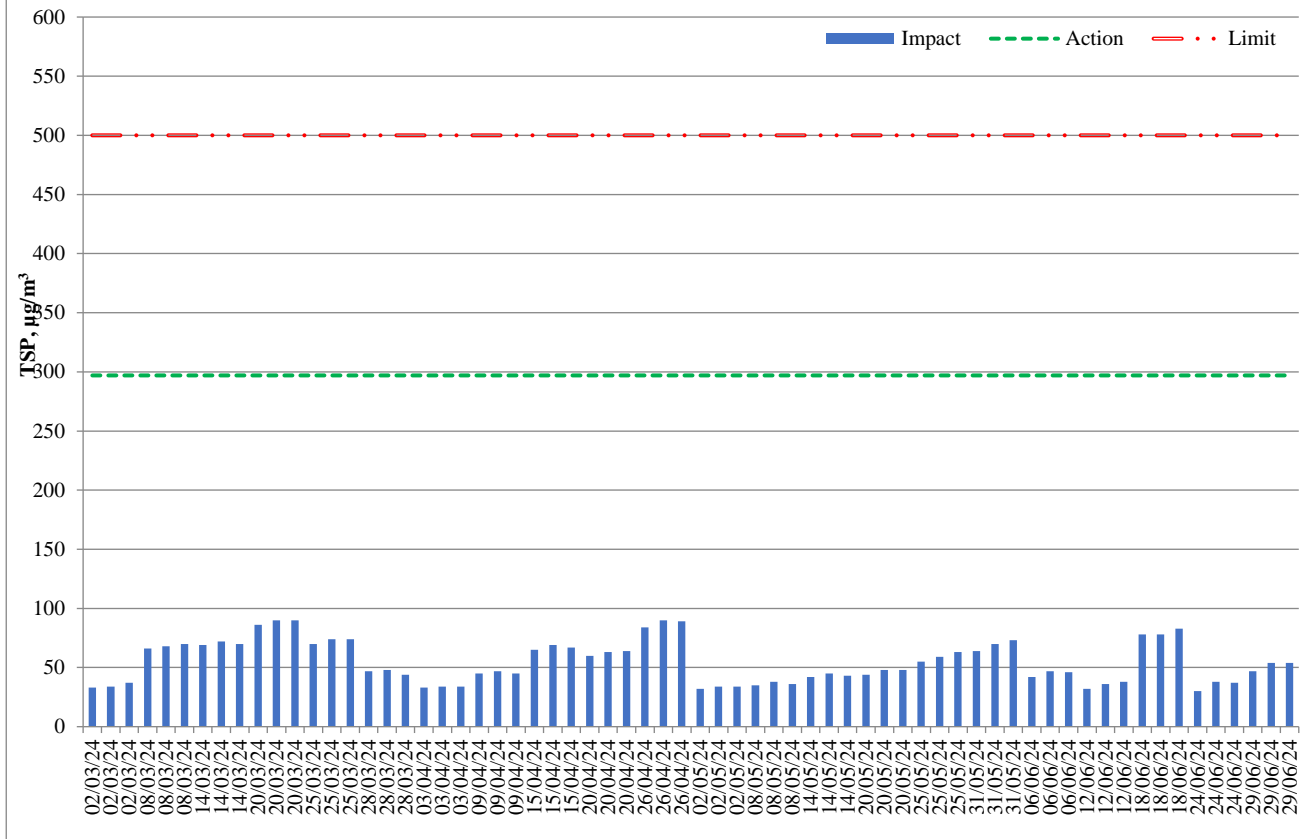
Factors might affect the monitoring results	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

1-hour average TSP

Air Monitoring Station				AM3 – Sky Tower	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
02/03/2024	9:00	-	10:00	Cloudy	33
02/03/2024	10:00	-	11:00		34
02/03/2024	11:00	-	12:00		37
08/03/2024	13:00	-	14:00	Cloudy	66
08/03/2024	14:00	-	15:00		68
08/03/2024	15:00	-	16:00		70
14/03/2024	13:00	-	14:00	Sunny	69
14/03/2024	14:00	-	15:00		72
14/03/2024	15:00	-	16:00		70
20/03/2024	9:00	-	10:00	Sunny	86
20/03/2024	10:00	-	11:00		90
20/03/2024	11:00	-	12:00		90
25/03/2024	9:00	-	10:00	Sunny	70
25/03/2024	10:00	-	11:00		74
25/03/2024	11:00	-	12:00		74
28/03/2024	13:00	-	14:00	Sunny	47
28/03/2024	14:00	-	15:00		48
28/03/2024	15:00	-	16:00		44

03/04/2024	9:00	-	10:00	Cloudy	33
03/04/2024	10:00	-	11:00		34
03/04/2024	11:00	-	12:00		34
09/04/2024	9:00	-	10:00	Cloudy	45
09/04/2024	10:00	-	11:00		47
09/04/2024	11:00	-	12:00		45
15/04/2024	13:00	-	14:00	Sunny	65
15/04/2024	14:00	-	15:00		69
15/04/2024	15:00	-	16:00		67
20/04/2024	13:00	-	14:00	Cloudy	60
20/04/2024	14:00	-	15:00		63
20/04/2024	15:00	-	16:00		64
26/04/2024	9:00	-	10:00	Cloudy	84
26/04/2024	10:00	-	11:00		90
26/04/2024	11:00	-	12:00		89
02/05/2024	9:00	-	10:00	Cloudy	32
02/05/2024	10:00	-	11:00		34
02/05/2024	11:00	-	12:00		34
08/05/2024	9:00	-	10:00	Sunny	35
08/05/2024	10:00	-	11:00		38
08/05/2024	11:00	-	12:00		36
14/05/2024	13:00	-	14:00	Sunny	42
14/05/2024	14:00	-	15:00		45
14/05/2024	15:00	-	16:00		43
20/05/2024	13:00	-	14:00	Cloudy	44
20/05/2024	14:00	-	15:00		48
20/05/2024	15:00	-	16:00		48
25/05/2024	13:00	-	14:00	Cloudy	55
25/05/2024	14:00	-	15:00		59
25/05/2024	15:00	-	16:00		63
31/05/2024	9:00	-	10:00	Cloudy	64
31/05/2024	10:00	-	11:00		70
31/05/2024	11:00	-	12:00		73
06/06/2024	9:00	-	10:00	Sunny	42
06/06/2024	10:00	-	11:00		47
06/06/2024	11:00	-	12:00		46
12/06/2024	13:00	-	14:00	Cloudy	32
12/06/2024	14:00	-	15:00		36
12/06/2024	15:00	-	16:00		38
18/06/2024	13:00	-	14:00	Sunny	78
18/06/2024	14:00	-	15:00		78
18/06/2024	15:00	-	16:00		83
24/06/2024	9:00	-	10:00	Sunny	30
24/06/2024	10:00	-	11:00		38
24/06/2024	11:00	-	12:00		37
29/06/2024	13:00	-	14:00	Cloudy	47
29/06/2024	14:00	-	15:00		54
29/06/2024	15:00	-	16:00		54

1-Hour Total Suspended Particulate Results - AM3 Sky Tower



Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Construction of RC structure for Lift LT-1 and LT-2	✓	✓		
Modification works at Shing Kai Road	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/ water mains	✓	✓		
Construction of remaining works for Noise Barrier	✓	✓		
Construction of Seawater Intake Box Culvert	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/water mains and construction of associated manholes at Road L12d and at-grade road.	✓	✓		
Construction of Observation Deck	✓	✓	✓	
Construction of Harbour Steps	✓	✓		
Concreting and RC structure of Toilet cum Changing Room	✓	✓		
E&M works for Underpass 03	✓	✓		
Waterproofing works for ELD	✓	✓		
Concreting and RC structure of Pumping Stations	✓	✓		
Construction of permanent railing for NDR	✓	✓		
Installation the lift cart for Lift LT-4	✓	✓		
Construction of LCSD Temporary Office	✓	✓		
Construction of pedestrian street near Shing Fung Road Roundabout	✓	✓		
Construction of Floating Stage	✓	✓	✓	
Construction of Outfall 1&2	✓			
Remedial works in Cell of DCS Intake Box Culvert			✓	✓
Granolithic finish work of Harbour Steps			✓	✓
Erection of steel members of Temporary Management Office			✓	
Erection of steel members of Toilet cum and Changing Room			✓	
Construction of draw pit and pipe ducting at Open Space and Promenade			✓	✓
Installation of drainage near Pumping Station			✓	✓

Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Finishing work in Pumping Station			✓	✓
Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck			✓	✓
Installation of steel roof structure at Observation Deck				✓
Construction of thrust block, wash-out chamber, manhole for drainage works & draw pit for cable works.				✓
Installation of internal partition of Temporary Management Office				✓
Installation of internal partition of Toilet cum and Changing Room				✓

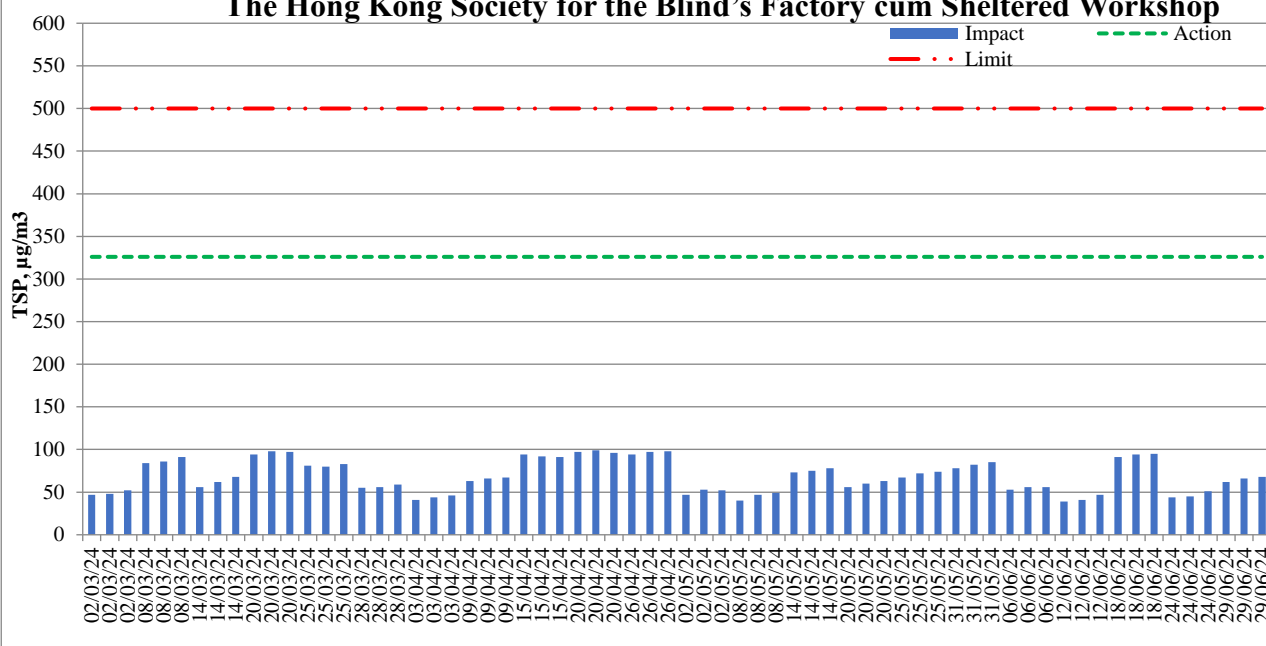
Factors might affect the monitoring results	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

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, $\mu\text{g}/\text{m}^3$
02/03/2024	13:00	-	14:00	Cloudy	47
02/03/2024	14:00	-	15:00		48
02/03/2024	15:00	-	16:00		52
08/03/2024	9:00	-	10:00	Cloudy	84
08/03/2024	10:00	-	11:00		86
08/03/2024	11:00	-	12:00		91
14/03/2024	9:00	-	10:00	Sunny	56
14/03/2024	10:00	-	11:00		62
14/03/2024	11:00	-	12:00		68
20/03/2024	13:30	-	14:30	Sunny	94
20/03/2024	14:30	-	15:30		98
20/03/2024	15:30	-	16:30		97
25/03/2024	13:00	-	14:00	Sunny	81
25/03/2024	14:00	-	15:00		80
25/03/2024	15:00	-	16:00		83
28/03/2024	9:00	-	10:00	Sunny	55
28/03/2024	10:00	-	11:00		56
28/03/2024	11:00	-	12:00		59
03/04/2024	9:00	-	10:00	Cloudy	41
03/04/2024	10:00	-	11:00		44
03/04/2024	11:00	-	12:00		46
09/04/2024	9:00	-	10:00	Cloudy	63
09/04/2024	10:00	-	11:00		66
09/04/2024	11:00	-	12:00		67
15/04/2024	13:00	-	14:00	Sunny	94
15/04/2024	14:00	-	15:00		92
15/04/2024	15:00	-	16:00		91
20/04/2024	9:00	-	10:00	Cloudy	97
20/04/2024	10:00	-	11:00		99

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, $\mu\text{g}/\text{m}^3$
20/04/2024	11:00	-	12:00		96
26/04/2024	13:00	-	14:00	Cloudy	94
26/04/2024	14:00	-	15:00		97
26/04/2024	15:00	-	16:00		98
02/05/2024	9:00	-	10:00		47
02/05/2024	10:00	-	11:00	Cloudy	53
02/05/2024	11:00	-	12:00		52
08/05/2024	9:00	-	10:00		40
08/05/2024	10:00	-	11:00	Sunny	47
08/05/2024	11:00	-	12:00		49
14/05/2024	13:00	-	14:00		73
14/05/2024	14:00	-	15:00	Sunny	75
14/05/2024	15:00	-	16:00		78
20/05/2024	9:00	-	10:00		56
20/05/2024	10:00	-	11:00	Cloudy	60
20/05/2024	11:00	-	12:00		63
25/05/2024	13:00	-	14:00		67
25/05/2024	14:00	-	15:00	Cloudy	72
25/05/2024	15:00	-	16:00		74
31/05/2024	13:00	-	14:00		78
31/05/2024	14:00	-	15:00	Cloudy	82
31/05/2024	15:00	-	16:00		85
06/06/2024	9:00	-	10:00		53
06/06/2024	10:00	-	11:00	Sunny	56
06/06/2024	11:00	-	12:00		56
12/06/2024	13:00	-	14:00		39
12/06/2024	14:00	-	15:00	Cloudy	41
12/06/2024	15:00	-	16:00		47
18/06/2024	13:00	-	14:00		91
18/06/2024	14:00	-	15:00	Sunny	94
18/06/2024	15:00	-	16:00		95
24/06/2024	9:00	-	10:00		44
24/06/2024	10:00	-	11:00	Sunny	45
24/06/2024	11:00	-	12:00		51
29/06/2024	13:00	-	14:00		62
29/06/2024	14:00	-	15:00	Cloudy	66
29/06/2024	15:00	-	16:00		68

NOTE: * Due to the relocation of The Hong Kong Society for the Blind’s Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation in September 2022.

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

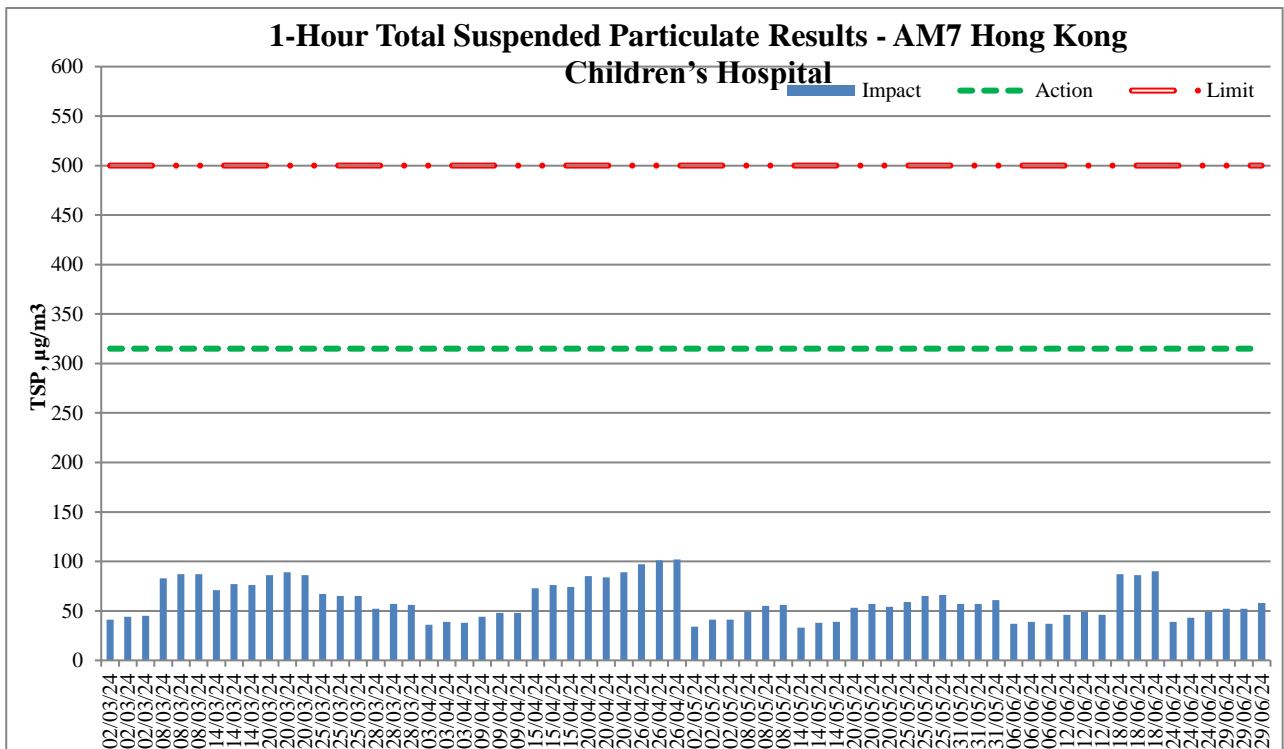


Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Construction of RC structure for Lift LT-1 and LT-2	✓	✓		
Modification works at Shing Kai Road	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/ watermains	✓	✓		
Construction of remaining works for Noise Barrier	✓	✓		
Construction of Seawater Intake Box Culvert	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/watermains and construction of associated manholes at Road L12d and at-grade road.	✓	✓		
Construction of Observation Deck	✓	✓	✓	
Construction of Harbour Steps	✓	✓		
Concreting and RC structure of Toilet cum Changing Room	✓	✓		
E&M works for Underpass 03	✓	✓		
Waterproofing works for ELD	✓	✓		
Concreting and RC structure of Pumping Stations	✓	✓		
Construction of permanent railing for NDR	✓	✓		
Installation the lift cart for Lift LT-4	✓	✓		
Construction of LCSD Temporary Office	✓	✓		
Construction of pedestrian street near Shing Fung Road Roundabout	✓	✓		
Construction of Floating Stage	✓	✓	✓	
Construction of Outfall 1&2	✓			
Remedial works in Cell of DCS Intake Box Culvert			✓	✓
Granolithic finish work of Harbour Steps			✓	✓
Erection of steel members of Temporary Management Office			✓	
Erection of steel members of Toilet cum and Changing Room			✓	
Construction of draw pit and pipe ducting at Open Space and Promenade			✓	✓
Installation of drainage near Pumping Station			✓	✓
Finishing work in Pumping Station			✓	✓
Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck			✓	✓
Installation of steel roof structure at Observation Deck				✓
Construction of thrust block, wash-out chamber, manhole for drainage works & draw pit for cable works.				✓
Installation of internal partition of Temporary Management Office				✓
Installation of internal partition of Toilet cum and Changing Room				✓

Factors might affect the monitoring results	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

Air Monitoring Station				AM7 – Hong Kong Children’s Hospital	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
02/03/2024	9:00	-	10:00	Cloudy	41
02/03/2024	10:00	-	11:00		44
02/03/2024	11:00	-	12:00		45
08/03/2024	13:00	-	14:00	Cloudy	83
08/03/2024	14:00	-	15:00		87
08/03/2024	15:00	-	16:00		87
14/03/2024	13:00	-	14:00	Sunny	71
14/03/2024	14:00	-	15:00		77
14/03/2024	15:00	-	16:00		76
20/03/2024	9:00	-	10:00	Sunny	86
20/03/2024	10:00	-	11:00		89
20/03/2024	11:00	-	12:00		86
25/03/2024	9:00	-	10:00	Sunny	67
25/03/2024	10:00	-	11:00		65
25/03/2024	11:00	-	12:00		65
28/03/2024	13:00	-	14:00	Sunny	52
28/03/2024	14:00	-	15:00		57
28/03/2024	15:00	-	16:00		56
03/04/2024	9:00	-	10:00	Cloudy	41
03/04/2024	10:00	-	11:00		44
03/04/2024	11:00	-	12:00		46
09/04/2024	9:00	-	10:00	Cloudy	63
09/04/2024	10:00	-	11:00		66
09/04/2024	11:00	-	12:00		67
15/04/2024	13:00	-	14:00	Sunny	94
15/04/2024	14:00	-	15:00		92
15/04/2024	15:00	-	16:00		91
20/04/2024	9:00	-	10:00	Cloudy	97
20/04/2024	10:00	-	11:00		99
20/04/2024	11:00	-	12:00		96
26/04/2024	13:00	-	14:00	Cloudy	94
26/04/2024	14:00	-	15:00		97
26/04/2024	15:00	-	16:00		98
02/05/2024	9:00	-	10:00	Cloudy	47
02/05/2024	10:00	-	11:00		53
02/05/2024	11:00	-	12:00		52
08/05/2024	9:00	-	10:00	Sunny	40
08/05/2024	10:00	-	11:00		47
08/05/2024	11:00	-	12:00		49
14/05/2024	13:00	-	14:00		73

Air Monitoring Station				AM7 – Hong Kong Children’s Hospital	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
14/05/2024	14:00	-	15:00	Sunny	75
14/05/2024	15:00	-	16:00		78
20/05/2024	9:00	-	10:00	Cloudy	56
20/05/2024	10:00	-	11:00		60
20/05/2024	11:00	-	12:00		63
25/05/2024	13:00	-	14:00	Cloudy	67
25/05/2024	14:00	-	15:00		72
25/05/2024	15:00	-	16:00		74
31/05/2024	13:00	-	14:00	Cloudy	78
31/05/2024	14:00	-	15:00		82
31/05/2024	15:00	-	16:00		85
06/06/2024	9:00	-	10:00	Sunny	53
06/06/2024	10:00	-	11:00		56
06/06/2024	11:00	-	12:00		56
12/06/2024	13:00	-	14:00	Cloudy	39
12/06/2024	14:00	-	15:00		41
12/06/2024	15:00	-	16:00		47
18/06/2024	13:00	-	14:00	Sunny	91
18/06/2024	14:00	-	15:00		94
18/06/2024	15:00	-	16:00		95
24/06/2024	9:00	-	10:00	Sunny	44
24/06/2024	10:00	-	11:00		45
24/06/2024	11:00	-	12:00		51
29/06/2024	13:00	-	14:00	Cloudy	62
29/06/2024	14:00	-	15:00		66
29/06/2024	15:00	-	16:00		68



Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Construction of RC structure for Lift LT-1 and LT-2	✓	✓		
Modification works at Shing Kai Road	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/ watermains	✓	✓		
Construction of remaining works for Noise Barrier	✓	✓		
Construction of Seawater Intake Box Culvert	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/watermains and construction of associated manholes at Road L12d and at-grade road.	✓	✓		
Construction of Observation Deck	✓	✓	✓	
Construction of Harbour Steps	✓	✓		
Concreting and RC structure of Toilet cum Changing Room	✓	✓		
E&M works for Underpass 03	✓	✓		
Waterproofing works for ELD	✓	✓		
Concreting and RC structure of Pumping Stations	✓	✓		
Construction of permanent railing for NDR	✓	✓		
Installation the lift cart for Lift LT-4	✓	✓		
Construction of LCSD Temporary Office	✓	✓		
Construction of pedestrian street near Shing Fung Road Roundabout	✓	✓		
Construction of Floating Stage	✓	✓	✓	
Construction of Outfall 1&2	✓			
Remedial works in Cell of DCS Intake Box Culvert			✓	✓
Granolithic finish work of Harbour Steps			✓	✓
Erection of steel members of Temporary Management Office			✓	
Erection of steel members of Toilet cum and Changing Room			✓	
Construction of draw pit and pipe ducting at Open Space and Promenade			✓	✓
Installation of drainage near Pumping Station			✓	✓
Finishing work in Pumping Station			✓	✓
Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck			✓	✓
Installation of steel roof structure at Observation Deck				✓
Construction of thrust block, wash-out chamber, manhole for drainage works & draw pit for cable works.				✓
Installation of internal partition of Temporary Management Office				✓
Installation of internal partition of Toilet cum and Changing Room				✓

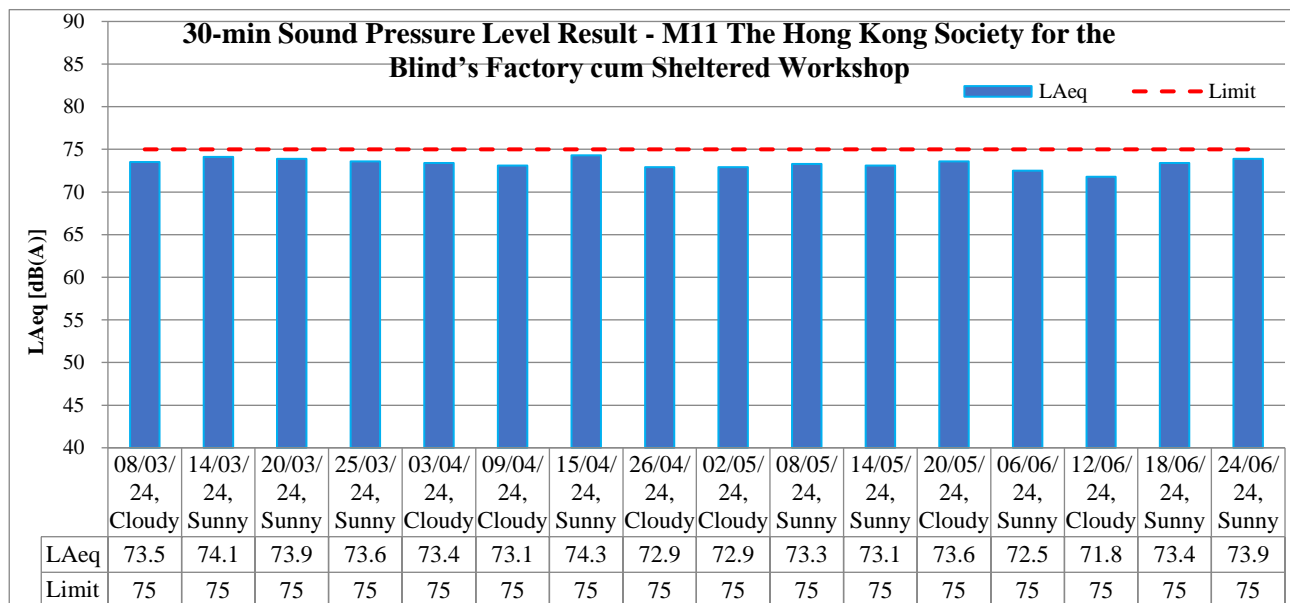
Factors might affect the monitoring results	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

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)
08/03/2024	9:46	-	10:16	Cloudy	73.5	75.8	64.3
14/03/2024	10:59	-	11:29	Sunny	74.1	76.6	66.2
20/03/2024	13:31	-	14:01	Sunny	73.9	77.1	66.2
25/03/2024	14:05	-	14:35	Sunny	73.6	75.4	71.3
03/04/2024	9:43	-	10:13	Cloudy	73.4	75.6	69.5
09/04/2024	10:25	-	10:55	Cloudy	73.1	74.2	70.7
15/04/2024	13:18	-	13:48	Sunny	74.3	78.5	67.3

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)
26/04/2024	14:29	-	14:59	Cloudy	72.9	75.9	64.7
02/05/2024	11:03	-	11:33	Cloudy	72.9	76.6	63.3
08/05/2024	13:10	-	13:40	Sunny	73.3	77.8	64.0
14/05/2024	14:16	-	14:46	Sunny	73.1	75.6	63.5
20/05/2024	10:08	-	10:38	Cloudy	73.6	78.0	65.7
31/05/2024	15:06	-	15:36	Cloudy	73.4	77.2	63.8
06/06/2024	10:14	-	10:44	Sunny	72.5	76.3	62.8
12/06/2024	14:02	-	14:32	Cloudy	71.8	75.7	65.2
18/06/2024	13:37	-	14:07	Sunny	73.4	77.8	66.7
24/06/2024	10:04	-	10:34	Sunny	73.9	78.1	65.6

NOTE: * Due to the relocation of The Hong Kong Society for the Blind’s Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. Construction noise monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation in September 2022.

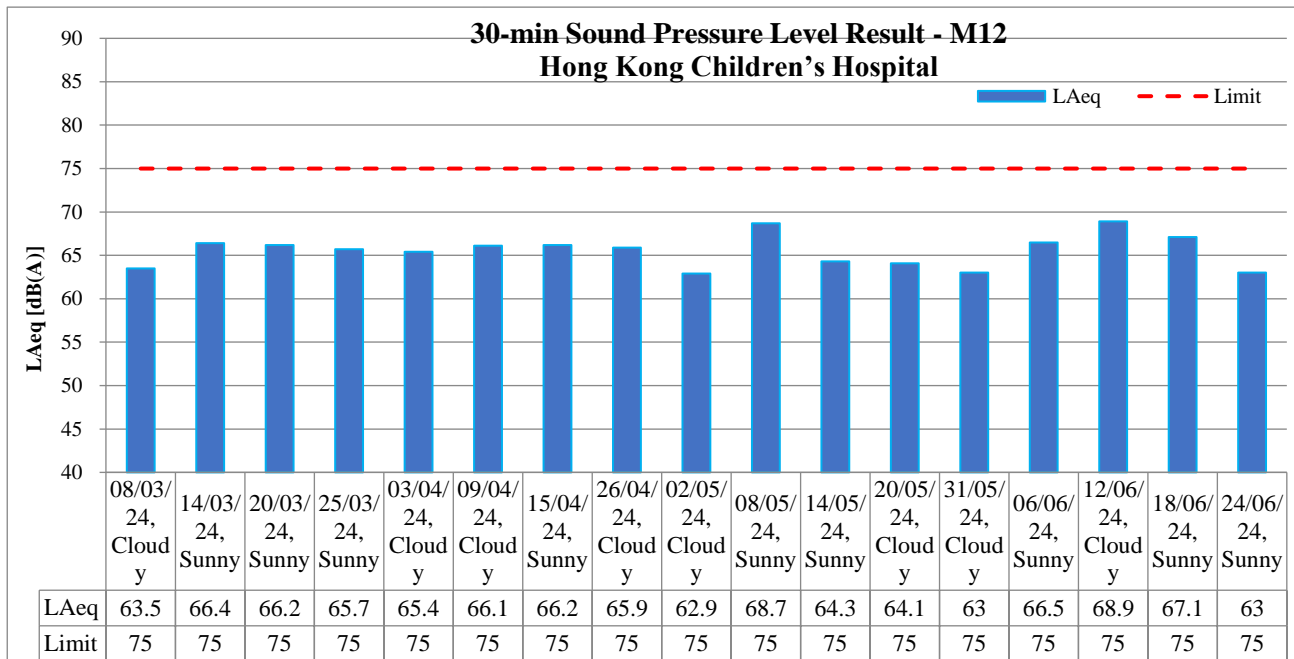


Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Construction of RC structure for Lift LT-1 and LT-2	✓	✓		
Modification works at Shing Kai Road	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/ watermains	✓	✓		
Construction of remaining works for Noise Barrier	✓	✓		
Construction of Seawater Intake Box Culvert	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/watermains and construction of associated manholes at Road L12d and at-grade road.	✓	✓		
Construction of Observation Deck	✓	✓	✓	
Construction of Harbour Steps	✓	✓		
Concreting and RC structure of Toilet cum Changing Room	✓	✓		
E&M works for Underpass 03	✓	✓		
Waterproofing works for ELD	✓	✓		
Concreting and RC structure of Pumping Stations	✓	✓		
Construction of permanent railing for NDR	✓	✓		
Installation the lift cart for Lift LT-4	✓	✓		

Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Construction of LCSD Temporary Office	✓	✓		
Construction of pedestrian street near Shing Fung Road Roundabout	✓	✓		
Construction of Floating Stage	✓	✓	✓	
Construction of Outfall 1&2	✓			
Remedial works in Cell of DCS Intake Box Culvert			✓	✓
Granolithic finish work of Harbour Steps			✓	✓
Erection of steel members of Temporary Management Office			✓	
Erection of steel members of Toilet cum and Changing Room			✓	
Construction of draw pit and pipe ducting at Open Space and Promenade			✓	✓
Installation of drainage near Pumping Station			✓	✓
Finishing work in Pumping Station			✓	✓
Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck			✓	✓
Installation of steel roof structure at Observation Deck				✓
Construction of thrust block, wash-out chamber, manhole for drainage works & draw pit for cable works.				✓
Installation of internal partition of Temporary Management Office				✓
Installation of internal partition of Toilet cum and Changing Room				✓

Factors might affect the monitoring results	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

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)	
08/03/2024	14:06	- 14:36	Cloudy	63.5	67.5	59.1	
14/03/2024	14:31	- 15:01	Sunny	66.4	68.7	60.3	
20/03/2024	11:12	- 11:42	Sunny	66.2	69.1	62.1	
25/03/2024	10:27	- 10:57	Sunny	65.7	68.6	62.4	
03/04/2024	13:49	- 14:19	Cloudy	65.4	69.1	60.5	
09/04/2024	14:18	- 14:48	Cloudy	66.1	69.5	64.5	
15/04/2024	10:11	- 10:41	Sunny	66.2	68.6	62.5	
26/04/2024	9:36	- 10:06	Cloudy	65.9	67.4	59.8	
02/05/2024	14:00	- 14:30	Cloudy	62.9	67.4	56.7	
08/05/2024	10:15	- 10:45	Sunny	68.7	69.9	61.0	
14/05/2024	10:22	- 10:52	Sunny	64.3	68.5	59.5	
20/05/2024	13:44	- 14:14	Cloudy	64.1	66.9	58.3	
31/05/2024	10:04	- 10:34	Cloudy	63.0	64.7	60.4	
06/06/2024	14:12	- 14:42	Sunny	66.5	70.0	59.5	
12/06/2024	10:22	- 10:52	Cloudy	68.9	69.7	66.7	
18/06/2024	10:06	- 10:36	Sunny	67.1	69.8	58.1	
24/06/2024	13:37	- 14:07	Sunny	63.0	64.8	60.9	



Major Construction Activities	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Construction of RC structure for Lift LT-1 and LT-2	✓	✓		
Modification works at Shing Kai Road	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/ watermains	✓	✓		
Construction of remaining works for Noise Barrier	✓	✓		
Construction of Seawater Intake Box Culvert	✓	✓		
Laying of stormwater drainage pipes/ sewer pipes/watermains and construction of associated manholes at Road L12d and at-grade road.	✓	✓		
Construction of Observation Deck	✓	✓	✓	
Construction of Harbour Steps	✓	✓		
Concreting and RC structure of Toilet cum Changing Room	✓	✓		
E&M works for Underpass 03	✓	✓		
Waterproofing works for ELD	✓	✓		
Concreting and RC structure of Pumping Stations	✓	✓		
Construction of permanent railing for NDR	✓	✓		
Installation the lift cart for Lift LT-4	✓	✓		
Construction of LCSD Temporary Office	✓	✓		
Construction of pedestrian street near Shing Fung Road Roundabout	✓	✓		
Construction of Floating Stage	✓	✓	✓	
Construction of Outfall 1&2	✓			
Remedial works in Cell of DCS Intake Box Culvert			✓	✓
Granolithic finish work of Harbour Steps			✓	✓
Erection of steel members of Temporary Management Office			✓	
Erection of steel members of Toilet cum and Changing Room			✓	
Construction of draw pit and pipe ducting at Open Space and Promenade			✓	✓
Installation of drainage near Pumping Station			✓	✓
Finishing work in Pumping Station			✓	✓
Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck			✓	✓
Installation of steel roof structure at Observation Deck				✓
Construction of thrust block, wash-out chamber, manhole for drainage works & draw pit for cable works.				✓
Installation of internal partition of Temporary Management Office				✓
Installation of internal partition of Toilet cum and Changing Room				✓

Factors might affect the monitoring results	Reporting Period			
	Mar 2024	Apr 2024	May 2024	Jun 2024
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓	✓

**Appendix F – 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 Contract'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. (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. (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	<ol style="list-style-type: none"> 1. Check final design conforms to the requirements of EP and prepare report. 	<ol style="list-style-type: none"> 1. Check report. 2. Recommend remedial design if necessary. 	<ol style="list-style-type: none"> 1. Undertake remedial design if necessary. 	
Non-conformity on one occasion	<ol style="list-style-type: none"> 1. Identify Source. 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Notify Contractor. 2. Ensure remedial measures are properly implemented. 	<ol style="list-style-type: none"> 1. Amend working methods. 2. Rectify damage and undertake any necessary replacement.
Repeated Non-conformity	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Notify Contractor. 2. Ensure remedial measures are properly implemented. 	<ol style="list-style-type: none"> 1. Amend working methods. 2. Rectify damage and undertake any necessary replacement.

Appendix G – Waste Flow Table

Appendix I - Monthly Summary Waste Flow Table

Name of Department: CEDD

Contract No.: ED/2018/01

Monthly Summary Waste Flow Table for June 2024

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	2.311	0.111	--	--	2.311	--	--	--	--	--	0.184
Feb	2.232	0.177	--	--	2.232	--	--	--	--	--	0.173
Mar	2.893	0.032	--	--	2.893	--	--	0.051	--	--	0.259
Apr	3.482	0.016	--	--	3.482	--	--	--	--	--	0.238
May	5.531	0.595	--	--	5.531	--	--	--	--	--	0.143
Jun	1.610	0.248	--	--	1.610	1.106	--	--	--	--	0.190
Sub-total	18.059	1.179	--	--	18.059	1.106	--	0.051	--	--	1.187
July											
Aug											
Sep											
Oct											
Nov											
Dec											
Total	18.059	1.179	--	--	18.059	1.106	--	0.051	--	--	1.187
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)	
207.384	2.103	10.2	140	27.415	25	200	0.8	0.1	--	3.891	

- 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 and water barrier
(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 ton/m³ and 1.5 ton/m³

**Appendix H – 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.	^*
		- 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	<p><u>Sewage Effluent</u></p> <p>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.</p> <p>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.</p>	^
S3.4		<p><u>Stormwater Discharges</u></p> <p>Minimum distances of 100 m should be maintained between the existing or planned stormwater discharges and the existing or planned seawater intakes</p>	^
S3.4		<p><u>Debris and Litter</u></p> <p>In order to maintain water quality in acceptable conditions with regard to aesthetic quality, contractors should be required, under</p>	^

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: - Suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport.	^
	S5.8	- Chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents.	^
	S5.8	- 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		- 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	- 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 I – Summaries of Environmental Complaint, Warning,
Summon and Notification of Successful Prosecution**

Reporting Period: April 2024 to June 2024

Contract No.	Record of Complaint (Yes/No)	Record of Warning (Yes/No)	Notification of Summons and Successful Prosecutions (Yes/No)
ED/2018/01	Yes	No	No

Cumulative Statistics on Complaints, Notification of Summons and Successful Prosecutions up to reporting period.

Contract No.	Record of Complaint	Record of Warning	Notification of Summons and Successful Prosecutions
ED/2018/01	17	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"> The water spraying system was not operated in proper time. Stockpile was not covered properly. Haul road was not wetted. Materials transported on trucks were not provided with mechanical covers. 	<p><u>Investigation</u></p> <ol style="list-style-type: none"> 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. 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. 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"> Increase the frequency and duration for automatic water spraying system. 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. 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 process. <p><u>Action taken</u></p> <p>As per the Contractor, the water sprinklers are now adjusted to start at 8:00am and end at 6:00pm for Monday to Saturday while from 8:00am to 5:00pm on Sunday. Water spraying are set with 5-minute time interval with duration 30-60 seconds.</p>	<ul style="list-style-type: none"> - Closed-out on 5 Nov 2020 - No further complaint was received.
C0002	A dust complaint was referred from the Contractor on 8 September 2021 through E-Mail	Complaint of dust problem at the pavement of Muk Tai Street near Sports Park.	<p><u>Investigation</u></p> <p>As per contractor, part of the complaint area was within the site boundary of the project.</p> <ul style="list-style-type: none"> - Manual water spraying was provided. - The exposed surface and stockpile areas were covered by the impermeable 	<ul style="list-style-type: none"> - Closed-out on 4 Oct 2021 - No further complaint

Complaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status
	regarding a complaint received by EPD (EPD ref.: K19/RE/00021205-21) on 7 September 2021.		<p>tarpaulin sheet.</p> <p><u>Recommendations</u> There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however the contractor is recommended to implement the following measures to minimize the impact for air quality:</p> <ol style="list-style-type: none"> 1. Ensure stockpiling sites should be lined with impermeable sheeting and banded. 2. Stockpiles should be fully covered by impermeable sheeting at all time except during working process. 3. Ensure the work fulfill the relevant statutory requirements on control of air pollution. 4. Take necessary measures to minimize the environmental nuisance arising from the construction site. <p><u>Action taken</u> The exposed surface and stockpile area was covered by the impermeable tarpaulin sheet.</p>	was received.
C0003	A water discharge complaint was referred from the Contractor on 10 December 2021 through E-Mail regarding a complaint received by EPD (ref.: K19/RE/00029046-21) on 9 December 2021.	Complaint of muddy water being discharged into the sea of To Kwa Wan Typhoon Shelter via a DSD outfall near the roundabout of Shing Fung Road.	<p><u>Investigation</u> Joint site inspection was conducted by ER, IEC, ET and the contractor on 14 December 2021, no adverse observation against the water impact was recorded.</p> <ul style="list-style-type: none"> - There was no muddy water discharge to DSD outfall near the roundabout of Shing Fung Road. - The sand bag with layers and filter were provided at the manholes. <p><u>Recommendations</u> There was no direct evidence showing that the water nuisance was caused by the contractor at the complaint area. Some of muddy water generated from wheel washing might be flow to the outfall inside the site boundary, however the contractor had taken the mitigation measure by using sand bag and filter to ease the nuisance. The contractor is recommended to implement the following measures to minimize the impact for waste water:</p>	- Closed-out on 5 Jan 2022 - No further complaint was received.

Complaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status
			<ul style="list-style-type: none"> - Enhance the sand bag with several layers instead of one layer only and replace the filter frequently. - Modify the wheel washing area such that the muddy water will be directly flow to the pit and then waste water treatment facility. - Take necessary measures to minimize the environmental nuisance arising from the construction site. <p><u>Action taken</u></p> <ul style="list-style-type: none"> - Sand bags and filter were used to block the manholes. - Manholes had been adequately covered and replace the filter frequently. 	
C0004	A dust complaint was referred received by EPD on 16 December 2022	Contractor received Notification of Environmental Complaints from EPD (ref.: K19/RE/00029136-22) by E-Mail on 22 December 2021. Complaint of mud/silt being brought out by vehicles from the project site casing mud/silt accumulation	<p><u>Investigation</u></p> <p>Regular site inspection was conducted by ET on 29 December 2022</p> <ul style="list-style-type: none"> - As per the Contractor, mud / slit generated from nearby construction sites might be brought to Shing Fung Road roundabout. - No adverse observation against the dust impact was recorded during site inspection. <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. Regular wash and clean the share haul road and roundabout in Shing Fung Road. 4. Wheel washing for the trucks and vehicles before leaving the project site. The muddy water after the wheel washing should be directed to sedimentation tank and wastewater treatment facility before discharging to gully. 	<ul style="list-style-type: none"> - Closed-out on 13 January 2023. - No further complaint was received

Complaint Log for ED/2018/01														
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		on Shing Fung Road.	5. 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 process. 6. Dusty materials transported on truck shall be covered. <u>Action taken</u> - Watering manually frequently. - Haul Road surfaces were wetted by water truck. - Wheel washing for the trucks and vehicles before leaving the project site.											
C0005	<p>A noise complaint was received by EPD on 21 Dec 2022.</p> <p>Contractor received Notification of Environmental Complaints from EPD (EPD ref.: K19/RE/00029422-22) on 22 Dec 2022.</p> <p>IEC received the notification on 22 Dec 2022 from EPD and forwarded the notification to CEDD, Contractor, ER and ET on same day.</p>	<p>Complaint of construction noise arising from the project site near Shing Kai Road and Muk Tai Street continued to 01:30 am on 21 Dec 2022.</p>	<p><u>Investigation</u> Regular site inspection was conducted by ET and the Contractor on 29 Dec 2022</p> <ol style="list-style-type: none"> The complaint was project-related as construction noise arose from the project site near Shing Kai Road and Muk Tai Street. Status of CNPs in the work area near Shing Kai Road and Muk Tai Street were checked and all of them were valid. However, the CNPs only cover the period up to 2300. <table border="1"> <thead> <tr> <th>Construction Noise Permit</th> <th>Valid Form</th> <th>Valid Till</th> </tr> </thead> <tbody> <tr> <td>GW-RE1297-22</td> <td>10 Dec 2022</td> <td>08 Jun 2023</td> </tr> <tr> <td>GW-RE1299-22</td> <td>17 Dec 2022</td> <td>15 Jun 2023</td> </tr> </tbody> </table> <p><u>Actions taken</u></p> <ol style="list-style-type: none"> Refresher training about CNP was provided to the labour on 22 Dec 2022. No construction activities were allowed in the restricted hours for those areas without valid CNP. <p><u>Recommendations</u> To minimize the impact of construction noise, the following mitigation measures are recommended:</p> <ol style="list-style-type: none"> Provide regular training about CNP and other environmental issues to staff. Regularly check the status of ALL CNP and other environmental permits. 		Construction Noise Permit	Valid Form	Valid Till	GW-RE1297-22	10 Dec 2022	08 Jun 2023	GW-RE1299-22	17 Dec 2022	15 Jun 2023	<p>- After six months of receiving the complaint, there was no further action from EPD.</p> <p>- Closed-out on 29 Jun 2024.</p>
Construction Noise Permit	Valid Form	Valid Till												
GW-RE1297-22	10 Dec 2022	08 Jun 2023												
GW-RE1299-22	17 Dec 2022	15 Jun 2023												
C0006	A dust complaint was	Complaint of	<u>Investigation</u>		- Closed-out on									

Complaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status
	<p>received by EPD on 6 Dec 2022.</p> <p>Contractor (POC) received Notification of Environmental Complaints from EPD (ref.: K19/RE/00027862-22) by E-Mail on 7 Dec 2022.</p> <p>IEC received the notification on 19 Jan 2023 and forwarded the notification to CEDD, ER and ET on same day.</p>	<p>construction dust arising from construction sites along Shing Fung Road.</p>	<p>Site inspections were conducted by ET on 26 Jan 2023 and joint site inspection was conducted by Contractor (POC), ER, ET and IEC on 8 Feb 2023.</p> <ol style="list-style-type: none"> 1. The concerned area (roundabout) is the common road for public vehicles. In addition, construction vehicles from several nearby construction sites also use the concerned road, especially a lots of dump trucks. 2. Construction vehicles from Contractor (POC) project site are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. 3. Worker of sub-contractor from Contractor (POC) wetted the part of the concerned road surface during the site inspection on 8 Feb 2023 to suppress dust emission. 4. No construction works was observed on 26 Jan 2023 and no adverse observation against the dust impact were found during the site inspection on both dates. <p><u>Action taken</u></p> <ol style="list-style-type: none"> 1. Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. 2. Wheel washing for the trucks and vehicles before leaving the project site directly through Shing Fung Road exit. 3. Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. <p><u>Recommendations</u></p> <p>There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality:</p> <ol style="list-style-type: none"> 1. Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted manually in regular basis. 2. Regular wash the share haul road and roundabout in Shing Fung Road. 3. Wheel washing for the trucks and vehicles before leaving the project site. The muddy water after the wheel washing should be directed to 	<p>16 Mar 2023.</p> <p>-</p>

Complaint Log for ED/2018/01				
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			<p>sedimentation tank and wastewater treatment facility before discharging to gully.</p> <p>4. Dusty materials transported on truck shall be covered.</p>	
C0007	<p>A dust complaint was received by EPD on 19 Jan 2023.</p> <p>Contractor (POC) received Notification of Environmental Complaints from EPD (ref.: K19/RE/00001988-23) by E-Mail on 2 Feb 2023.</p> <p>IEC received the notification on 2 Feb 2023 and forwarded the notification to CEDD, ER and ET on the same day.</p>	<p>Complaint of dusty environment at the new road connecting Shing Fung Road and Shing Kai Road caused by vehicles from construction sites nearby.</p>	<p><u>Investigation</u></p> <p>Joint site inspection was conducted by Contractor (POC), ER, ET and IEC on 8 Feb 2023.</p> <ol style="list-style-type: none"> The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. Construction vehicles from POC are not allowed leaving the site to Shing Fung Road directly with barriers blocked since 21 Jan 2023. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. Worker of sub-contractor from Contractor (POC) wetted the part of the concerned road surface during the site inspection on 8 Feb 2023 to suppress dust emission. No adverse observation against the dust impact were found during the site inspection along the new road. <p><u>Action taken</u></p> <ol style="list-style-type: none"> Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. Wheel washing for the trucks and vehicles before leaving the project site. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. <p><u>Recommendations</u></p> <p>There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality:</p>	<p>- Closed-out on 16 Mar 2023.</p> <p>-</p>

Complaint Log for ED/2018/01				
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			<ol style="list-style-type: none"> 1. 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. 2. Regular wash the share haul road in Shing Fung Road. 3. Wheel washing for the trucks and vehicles before leaving the project site. The muddy water after the wheel washing should be directed to sedimentation tank and wastewater treatment facility before discharging to gully. 4. Dusty materials transported on truck shall be covered. 	
C0008	<p>A dust complaint was received by EPD on 13 Feb 2023.</p> <p>Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00003909-23) by E-Mail on 17 Feb 2023 and forwarded the E-mail to ER, ET and IEC on same day.</p>	<p>Complaint of silt / mud accumulation on the new road connecting Shing Fung Road and Shing Kai Road caused by vehicles from construction sites nearby.</p>	<p><u>Investigation</u></p> <p>Joint site inspection was conducted by Contractor (POC), ER, ET and IEC on 23 Feb 2023 and regular site inspection was conducted by Contractor (POC), ER and ET on 2 Mar 2023.</p> <ol style="list-style-type: none"> 1. The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust nuisance. 2. Construction vehicles from POC are not allowed leaving the site to Shing Fung Road directly with barriers blocked since 21 Jan 2023. 3. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. 4. As per Contractor (POC), EPD conducted site visit on 16 Feb 2023. 5. No adverse observation against the dust / muddy water impact were found during the site inspection on both dates. <p><u>Action taken</u></p> <ol style="list-style-type: none"> 1. Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. 2. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction 	<p>- Closed-out on 29 Mar 2023.</p> <p>-</p>

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Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status										
			<p>activities since 4 Feb 2023.</p> <ol style="list-style-type: none"> Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. Wheel washing for the trucks and vehicles before leaving the project site. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once a week as follow: <table border="1"> <thead> <tr> <th>Date</th> <th>Road Washing by</th> </tr> </thead> <tbody> <tr> <td>8 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>9 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>14 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>22 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> </tbody> </table> <ol style="list-style-type: none"> During the two site inspections, mitigation measures implemented by the Contractor (POC) were found properly based on existing site condition and resources. <p><u>Recommendations</u></p> <p>There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality:</p> <ol style="list-style-type: none"> 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. Regular wash the share haul road in Shing Fung Road. Dusty materials transported on truck shall be covered. 	Date	Road Washing by	8 Mar 2023	Sweeper truck with water spraying truck	9 Mar 2023	Sweeper truck with water spraying truck	14 Mar 2023	Sweeper truck with water spraying truck	22 Mar 2023	Sweeper truck with water spraying truck	
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22 Mar 2023	Sweeper truck with water spraying truck													
C0009	<p>A dust complaint was received by EPD on 15 Feb 2023.</p> <p>Contractor (POC) received the Notification of</p>	<p>Complaint of mud / silt being brought out by vehicles from construction site at Shing Fung Road</p>	<p><u>Investigation</u></p> <p>Joint site inspection was conducted by Contractor (POC), ER, ET and IEC on 23 Feb 2023 and regular site inspection was conducted by Contractor (POC), ER and ET on 2 Mar 2023.</p> <ol style="list-style-type: none"> The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. Vehicles from nearby construction sites also used the 	- Closed-out on 29 Mar 2023.										

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	Environmental Complaints from EPD (ref.: K19/RE/00004280-23) by E-Mail on 22 Feb 2023 and forwarded the E-mail to ER, ET and IEC on same day.	roundabout (near Lamp Post DF4831) causing mud / silt accumulation along Shing Fung Road.	<p>concerned road. Those are the possible sources of dust nuisance.</p> <ol style="list-style-type: none"> Construction vehicles from POC are not allowed leaving the site to Shing Fung Road directly with barriers blocked since 21 Jan 2023. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. As per Contractor (POC), EPD conducted site visit on 16 Feb 2023. No adverse observation against the dust impact were found during the site inspection on both dates. <p><u>Action taken</u></p> <ol style="list-style-type: none"> Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. Wheel washing for the trucks and vehicles before leaving the project site. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once a week as follow: <table border="1"> <thead> <tr> <th>Date</th> <th>Road Washing by</th> </tr> </thead> <tbody> <tr> <td>8 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>9 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>14 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>22 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> </tbody> </table> <ol style="list-style-type: none"> During the two site inspections, mitigation measures implemented by the Contractor (POC) were found properly based on existing site condition and resources. <p><u>Recommendations</u></p>	Date	Road Washing by	8 Mar 2023	Sweeper truck with water spraying truck	9 Mar 2023	Sweeper truck with water spraying truck	14 Mar 2023	Sweeper truck with water spraying truck	22 Mar 2023	Sweeper truck with water spraying truck	
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			<p>There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality:</p> <ol style="list-style-type: none"> 1. 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. 2. Regular wash the share haul road in Shing Fung Road. <p>Dusty materials transported on truck shall be covered.</p>	
C0010	<p>A dust and muddy water complaint was received by Hotline 1823 on 9 Mar 2023.</p> <p>ER received the transfer from the Hotline 1823 on 9 Mar 2023 and forwarded the E-mail to Contractor (POC), ET and IEC on same day.</p>	<p>Complaint of dusty environment at the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road roundabout.</p> <p>Worker wetted the road surface and might cause mud / silt problem.</p>	<p><u>Investigation</u></p> <p>Joint site inspection was conducted by Contractor (POC), ER, and ET on 16 Mar 2023 and 23 Mar 2023.</p> <ol style="list-style-type: none"> 1. The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust nuisance. 2. Construction vehicles from POC are not allowed leaving the site to Shing Fung Road directly with barriers blocked since 21 Jan 2023. 3. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. 4. The sandbags were provided around the manholes. 5. No adverse observation against the dust / muddy water impact were found during the site inspection on both dates. <p><u>Action taken</u></p> <ol style="list-style-type: none"> 1. Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. 2. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. 3. Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. 	- Closed-out on 6 Apr 2023.

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			<p>4. Wheel washing for the trucks and vehicles before leaving the project site.</p> <p>5. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once a week as follow:</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Road Washing by</th> </tr> </thead> <tbody> <tr> <td>8 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>9 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>14 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>22 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> </tbody> </table> <p>6. The sandbags were provided around the manholes.</p> <p>7. During the two site inspections, mitigation measures implemented by the Contractor (POC) were found properly based on existing site condition and resources.</p> <p><u>Recommendations</u> There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air and water quality:</p> <ol style="list-style-type: none"> Dusty materials transported on truck shall be covered. Enhance the sandbags with several layers of filters and replace the filter frequently. 	Date	Road Washing by	8 Mar 2023	Sweeper truck with water spraying truck	9 Mar 2023	Sweeper truck with water spraying truck	14 Mar 2023	Sweeper truck with water spraying truck	22 Mar 2023	Sweeper truck with water spraying truck	
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22 Mar 2023	Sweeper truck with water spraying truck													
C0011	<p>A muddy water complaint was received by EPD on 9 Mar 2023.</p> <p>Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.:</p>	<p>Complaint of water being sprayed onto vehicles passing by and mud / silt being washed into roadside gully near Shing Fung Road roundabout.</p>	<p><u>Investigation</u> Joint site inspection was conducted by Contractor (POC), ER and ET on 23 Mar 2023.</p> <ol style="list-style-type: none"> The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust / mud / silt nuisance. The sandbags were provided around the manholes. No adverse observation against the muddy water impact were found during the site inspection on both dates. 	- Closed-out on 6 Apr 2023.										

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	K19/RE/00006427-23) by E-Mail on 16 Mar 2023 and forwarded the E-mail to ER, ET and IEC on 17 Mar 2023.		<p><u>Action taken</u></p> <ol style="list-style-type: none"> As per Contractor (POC), no manually road surfaces watering on Shing Fung Road after receiving complaint (16 Mar 2023). As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once a week as follow: <table border="1"> <thead> <tr> <th>Date</th> <th>Road Washing by</th> </tr> </thead> <tbody> <tr> <td>8 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>9 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>14 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>22 Mar 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> </tbody> </table> The sandbags were provided around the manholes. <p><u>Recommendations</u></p> <p>There was no direct evidence showing that the muddy water nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air and water quality:</p> <ol style="list-style-type: none"> Enhance the sandbags with several layers of filters and replace the filter frequently. 	Date	Road Washing by	8 Mar 2023	Sweeper truck with water spraying truck	9 Mar 2023	Sweeper truck with water spraying truck	14 Mar 2023	Sweeper truck with water spraying truck	22 Mar 2023	Sweeper truck with water spraying truck	
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C0012	A dust complaint was received by EPD on 31 May 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00013488-23)	Complaint of silt / mud accumulation on the new road connecting Shing Fung Road and Shing Kai Road caused by vehicles from construction site nearby.	<p><u>Investigation</u></p> <p>Joint site inspection was conducted by Contractor (POC), ER and ET on 8 June 2023.</p> <ol style="list-style-type: none"> As per Mr. Tony Tang from POC, the concerned area was the section of Shing Fung Road at the entrance of Gammon site accommodation. The new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 December 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust / silt nuisance. As per Mr. Tony Tang from POC, recycled water was used in wheel washing machine near the entrance of Gammon site. Those are the possible sources 	- Closed-out on 19 June 2023.										

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	by E-Mail on 6 June 2023 and forwarded the E-mail to ER, ET and IEC on same day.		<p>of mud nuisance.</p> <p>4. No adverse observation against the dust impact were found during the site inspection.</p> <p><u>Action taken</u></p> <p>1. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted twice a week start from 11 May 2023.</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Road Washing by</th> </tr> </thead> <tbody> <tr> <td>19 May 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>23 May 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>25 May 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>30 May 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>2 June 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>6 June 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>9 June 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>13 June 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> </tbody> </table> <p>2. Wheel washing for the vehicles before leaving the construction site.</p> <p><u>Recommendations</u></p> <p>There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality:</p> <p>1. Regular wash the share haul road in Shing Fung Road and Shing Kai Road. Dusty materials transported on truck should be covered.</p>	Date	Road Washing by	19 May 2023	Sweeper truck with water spraying truck	23 May 2023	Sweeper truck with water spraying truck	25 May 2023	Sweeper truck with water spraying truck	30 May 2023	Sweeper truck with water spraying truck	2 June 2023	Sweeper truck with water spraying truck	6 June 2023	Sweeper truck with water spraying truck	9 June 2023	Sweeper truck with water spraying truck	13 June 2023	Sweeper truck with water spraying truck	
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C0013	A water complaint was received by EPD on 19 June 2023. Contractor (POC) received the Notification of Environmental	- Complaint of muddy water being discharged into Kai Tak Approach Channel on 18 Jun 2023. - Complaint of	<p><u>Investigation</u></p> <p>Joint site inspection was conducted by Contractor (POC), ER and ET on 6 Jul 2023.</p> <p>1. As per Mr. Tony Tang from POC, the concerned area was the section of Shing Fung Road at the nearby channel.</p> <p>2. Heavy raining was recorded on 18 Jun 2023. The recorded rainfall was 35.8mm (sourced from manned weather station of Hong Kong Observatory at https://www.hko.gov.hk/en/cis/dailyExtract.htm?v=2023&m=6). The</p>	- Closed-out on 2 Aug 2023.																		

Complaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status
	Complaints from EPD (ref.: K19/RE/00014944-23) by E-Mail on 29 June 2023 and forwarded the E-mail to ER, ET and IEC on 4 July 2023.	construction work being conducted on the Sunday of 18 Jun 2023.	<p>implication of heavy rainfall storm runoff might wash across the exposed soil surfaces which was direct muddy water discharge. This is the possible source of water nuisance.</p> <p>3. As per Mr. Tony Tang from POC, no construction work was conducted on 18 Jun 2023. Based on the attendance record, 6 employees including 4 watchman, labourer and driver, were on site on 18 Jun 2023 and they were not involved in the construction work. In the joint site inspection, no construction work was conducted on the nearby channel.</p> <p>4. No adverse observation against the muddy water impact were found during the site inspection on 14 and 20 June 2023, and 6 July 2023. The sedimentation tank and wastewater treatment plant are operating efficiently during the site inspection.</p> <p><u>Action taken</u></p> <ol style="list-style-type: none"> The ditch is maintained regularly and excavated deeper by workers. Pumps are placed at the ditch to prevent flooding and overflow. Enhanced training for site workers to prevent flushing during heavy rain by placing pumps in the ditch to prevent flooding and overflow during periods of heavy rain during Tool- Box-Talk training. <p><u>Recommendations</u></p> <p>There was no direct evidence showing that the muddy water nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for water quality:</p> <ol style="list-style-type: none"> Regular cleaning and maintenance drainage systems at the nearby Kai Tak Approach Channel. 	
C0014	A polluting discharge complaint was received by EPD on 16 October 2023. Contractor (POC)	- Complaint of polluting discharge from the construction site of Stage 4	<p><u>Investigation</u></p> <p>Joint site inspection was conducted by Contractor (POC), ER and ET on 26 October 2023.</p> <ol style="list-style-type: none"> The concerned area is near at Former Runway and South Apron, Kowloon City. Those are the possible sources should be illegal 	- Closed-out on 15 November 2023. -

Complaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status
	received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00024581-23) by E-Mail on 19 October 2023 and forwarded the E-mail to ER, ET and IEC on 21 October 2023.	Infrastructure at the Former Runway and South Apron, Kowloon City (“illegal discharge from kai tak 6577 construction site the main contractor should be hip hing)	<p>discharge from Kai Tak 6577 construction site which the main contractor should be hip hing. The possible source of polluting discharge does not come from the Contractor (POC).</p> <p>2. No adverse observation against the muddy water impact were found during the site inspection on dates. No surface runoff is observed, and the sedimentation tank and wastewater treatment plant were implemented normally.</p> <p><u>Action taken</u></p> <ol style="list-style-type: none"> 1. As per Contractor (POC), no wastewater generated at concerned area and ensure fulfil the conditions stipulated in the valid WPCO licence after receiving complaint (16 October 2023). The effluent discharge has been implemented properly. 2. The silt curtain has been installed around the construction activities at the concerned area. (referring to Photo 2) The sedimentation tank and wastewater treatment has been implemented properly. 3. The pump has been installed and collected sewage at the channel which can minimize water quality impacts and prevent overload the foul sewage system. (referring to Photo 3) The channel and ditches have been clear after receiving complaint. <p><u>Recommendations</u></p> <p>There was no direct evidence showing that the muddy water nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for water quality:</p> <ol style="list-style-type: none"> 1. The silt removal facilities, channels and manholes should be maintained regularly. 2. The silt curtain and equipment should be properly maintained. 	

Complaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status
C0015	A dust complaint was received by EPD on 12 December 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00030287-23) by E-Mail on 19 December 2023 and forwarded the E-mail to ER, ET and IEC on 20 December 2023.	- Complaint of construction dust nuisance on Shing Fung Road.	<p><u>Investigation</u></p> <p>Joint site inspection was conducted by Contractor (POC), ER, and ET on 21 December 2023.</p> <ol style="list-style-type: none"> 1. As per the email clarified by Mr. Tony Tang from POC on 20 December 2023, the concerned area (section of Shing Fung Road) was the junction of Road D3 and gate 2A& 2B. 2. The new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 December 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust / silt nuisance. The non-project of stockpiles is founded near the concerned road during the site inspection. 3. 3. As per Mr. Tony Tang from POC, recycled water was used in wheel washing machine near the entrance of Gammon site. The washing facilities and regular road watering are implemented. 4. No adverse observation against the dust impact were found during the site inspection. The washing facilities and dust control measures are implemented properly. <p><u>Action taken</u></p> <ol style="list-style-type: none"> 1. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once per week in December 2023. 	- 17 January 2024

Complaint Log for ED/2018/01															
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			<table border="1"> <thead> <tr> <th>Date</th> <th>Road Washing by</th> </tr> </thead> <tbody> <tr> <td>07 December 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>16 December 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>21 December 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> <tr> <td>29 December 2023</td> <td>Sweeper truck with water spraying truck</td> </tr> </tbody> </table>	Date	Road Washing by	07 December 2023	Sweeper truck with water spraying truck	16 December 2023	Sweeper truck with water spraying truck	21 December 2023	Sweeper truck with water spraying truck	29 December 2023	Sweeper truck with water spraying truck		
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			<p>2. Wheel washing for the vehicles before leaving the construction site.</p> <p><u>Recommendations</u></p> <p>There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality:</p> <ol style="list-style-type: none"> 1. Regular wash the share haul road in Shing Fung Road and Shing Kai Road. 2. Dusty materials transported on truck should be covered. 												
C0016	A dust complaint was received by Hotline 1823 on 20 May 2024. ER (AECOM) and Contractor (POC) received the transferred from Hotline 1823 (Case No. 3-8226038234) on 20 May 2024 and forwarded the E-mail to ET, and IEC on same day.	- The dust emission generated from a excavator near EVA No. 10 which affecting the surrounding residents. The complainant also expressed doubt the effectiveness of implementation of	<p><u>Investigation</u></p> <p>Joint site inspection was conducted by Contractor (POC), ER, and ET on 23 May 2024.</p> <ol style="list-style-type: none"> 1. The complaint is not directly project-related since C&D stockpiling works from nearby construction sites. Those are the possible sources of dust nuisance. 2. As per the email reply by Mr. Tony Tang from POC on 21 May 2024, the concerned area (section of Shing Fung Road) was near EVA No. 10. The POC proposed to implement measures for mitigate the dust nuisance. 3. The nearest surrounding resident to the concerned area is 580.23m (locations referring to Attachment 1) 4. As per Mr. Tony Tang from POC, POC will provide a worker starting from 22 May 2024 to spray water at the concerned 		- Closed-out on 04 June 2024										

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Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions				Close-Out Date / Status																																		
		environmental management system.	<p>location (Near EVA No. 10) within office hour to suppress dust emission no matter there is any loading or unloading of dusty materials site activities.</p> <p>5. Based on the monitoring results on 20 May 2024, 1-hour and 24-hour TSP results were below the Action Levels and Limit as shown as below.</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">AM3</th> <th colspan="2">AM4(A)</th> <th colspan="2">AM7</th> </tr> <tr> <th>1-hour TSP</th> <th>24-hour TSP</th> <th>1-hour TSP</th> <th>24-hour TSP</th> <th>1-hour TSP</th> <th>24-hour TSP</th> </tr> </thead> <tbody> <tr> <td>Measured result ($\mu\text{g}/\text{m}^3$)</td> <td>44 -48</td> <td>42</td> <td>56-63</td> <td>/</td> <td>53 – 57</td> <td>54</td> </tr> <tr> <td>Action Level ($\mu\text{g}/\text{m}^3$)</td> <td>297</td> <td>182</td> <td>326</td> <td>187</td> <td>315</td> <td>181</td> </tr> <tr> <td>Limit Level ($\mu\text{g}/\text{m}^3$)</td> <td>500</td> <td>260</td> <td>500</td> <td>260</td> <td>500</td> <td>260</td> </tr> </tbody> </table> <p>6. The effectiveness of the environmental management system implemented has been reviewed.</p> <p>7. No adverse observation against the dust impact were found during the site inspection. The dust control measures are implemented properly.</p> <p><u>Action taken</u></p> <p>1. Regularly monitor all the Powered Mechanical Equipment (PME) to ensure</p>					AM3		AM4(A)		AM7		1-hour TSP	24-hour TSP	1-hour TSP	24-hour TSP	1-hour TSP	24-hour TSP	Measured result ($\mu\text{g}/\text{m}^3$)	44 -48	42	56-63	/	53 – 57	54	Action Level ($\mu\text{g}/\text{m}^3$)	297	182	326	187	315	181	Limit Level ($\mu\text{g}/\text{m}^3$)	500	260	500	260	500	260	
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			<p>no dark smoke emission.</p> <ol style="list-style-type: none"> 2. Arrange to cover the stockpile with tarpaulin sheet to prevent dust emission. 3. Arrange resources to spray water during excavator loading and unloading of dusty material which have including fill material and sub-base. <p><u>Recommendations</u></p> <p>There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality:</p> <ol style="list-style-type: none"> 1. The share haul road in Shing Fung Road should be washed regularly. 2. Dust mitigation control should be done at the work site 8 times per day. 3. Stockpiling sites should be lined with impermeable sheeting and banded. 4. Stockpiles should be fully covered by impermeable sheeting to reduce dust emission. 	
C0017	A waste management complaint was received by Hotline 1823 on 25 May 2024. The public complaint is received via 1823 (Case No.: 3-8234938050) on 25	- Rodent problem at the junction of Shing Kai Road & Shing Fung Road	<p><u>Investigation</u></p> <p>Joint site inspection was conducted by Contractor (POC), ER, IEC and ET on 30 May 2024.</p> <ol style="list-style-type: none"> 1. Accumulation of waste was found in the concerned area, the grade road (Shing Kai Road to NSR) and the junction of Road D3 (Shing Kai Road Junction). 2. No trace of rats was found during inspection but flies were present. 3. Waste management measures were not implemented properly. There 	- Closed-out on 04 June 2024

Complaint Log for ED/2018/01				
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	May 2024 and forwarded by CEDD on 27 May 2024, and forwarded to ER, Contractor, ET and IEC.		<p>were no sufficient waste disposal points and regular dispose of waste at the concerned area.</p> <p>4. The complaint was project-related as improper disposal of waste could lead to occurrence of rats.</p> <p><u>Action taken</u></p> <ol style="list-style-type: none"> 1. Poisonous rat bait was placed within the site boundary. 2. Workers received regular briefing about proper waste management. 3. The general waste was collected and removed after site inspection on 30 May 2024. <p><u>Recommendations</u></p> <p>There was related evidence showing that the waste nuisance at the concerned area was caused by the Contractor (POC). However, it is recommended to implement the following measures to minimize the impact of waste accumulation</p> <ol style="list-style-type: none"> 1. Multiple waste disposal points should be set up for proper waste storage. 2. Frequency of waste cleaning and collection should be increased to prevent waste accumulation. <p>Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycle.</p>	