

Our ref: 6-6-2022

6-6-2022

By hand

Environmental Protection Department

Environmental Assessment Division

Metro Assessment Group

Kowloon Section (2)

27th floor, Southorn Centre,

130 Hennessy Road,

Wan Chai, Hong Kong

(Attn: Mr. TANG Ho Him, Matthew)

Dear Mr. TANG,

Contract No. EDO 2/2020

Environmental Monitoring Works for Contract No. ED/2018/05 – Kai Tak Development – Stage 5B Infrastructure Works at the Former North Apron Area

Submission of Quarterly EM&A Report for August to October 2021 (Version 1)

I refer to the Environment Permit (EP) No. EP-337/2009 and EP-445/2013/A for the captioned project.

Pursuant to Condition 3.3 of the EP-337/2009 and Condition of the 3.2 of the EP-445/2013/A, please find enclosed four hard copies and one electronic copy of Quarterly EM&A Report for August to October 2021 (Version 1), which has been verified by the IEC for your reference.

Thank you very much for your attention and please feel free to contact Mr. Lee at 2618 2166 should you require further information.

Yours faithfully,

For and on behalf of

Ka Shing Management Consultant Limited

AKCL

Applied knowledge center limited

Company Secretary

Encl. Quarterly EM&A Report for August to October 2021 (Version 1)



ACUITY
SUSTAINABILITY
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Tel. : (852) 2698 6833
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Date: 31 December 2021

Your ref:

Our ref: PL-202112034

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

Attn.: Mr. LEUNG Wai Kit, CRE

Dear Mr. Leung,

**Re: Agreement No. EDO 6/2019
Independent Environmental Checker for Contract No. ED/2018/05 Kai Tak
Development – Stage 5B Infrastructure works at the Former North Apron Area
Verification of Quarterly EM&A Report (August to October 2021)**

Reference is made to the Quarterly EM&A Report (August to October 2021) (Version 1.0) provided by the Environmental Team on 28 December 2021.

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

Thank you for your attention.

Yours sincerely,
For and on behalf of
Acuity Sustainability Consulting Limited

Kevin Li
Independent Environmental Checker

c.c.	CEDD	Attn.: Mr. Albert Tse	By email
	Ka Shing	Attn.: Mr. Chan Pang (ETL)	By email

**Quarterly Environmental Monitoring and Audit
Summary Report (Aug 2021 – Oct 2021)
for
Contract No. ED/2018/05 –
Kai Tak Development – Stage 5B infrastructure
works at the former north apron area**

Contract No.: EDO 2/2020

(Version 1.0)

Certified By: _____



(Environmental Team Leader)

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EXECUTIVE SUMMARY

1. This is the 3rd Quarterly Environmental Monitoring & Audit (EM&A) Summary Report which summaries the findings of the EM&A Programme during the reporting period from 1 Aug 2021 to 31 October 2021 (the “reporting period”).

Breaches of Action and Limit Levels

2. 1-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded.
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 Action/Limit Level exceedance was recorded.

Complaint log

5. One complaint was received in the reporting period.

Notifications of Summons and Successful Prosecutions

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

Report changes

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

Major construction works in the reporting period

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

Table I Major construction activities in the reporting period

August 2021	September 2021	October 2021
<ul style="list-style-type: none"> - Underground utility diversion works and pillar box relocation works at Sa Po Road - Bored pile works for landscape elevated walkway LW-02 - Sheet pile installation at launching shaft for subway SB-01 - Drainage works for Pedestrian Street No. 1, No. 2 & No. 3 - Construction of Crowd Dispersal Route - Twin rising mains diversion works 	<ul style="list-style-type: none"> - Underground utility diversion works and pillar box relocation works at Sa Po Road - Bored pile works for landscape elevated walkway LW-02 - Sheet pile installation at launching shaft for subway SB-01 - Drainage works for Pedestrian Street No. 1, No. 2 & No. 3 - Construction of Crowd Dispersal Route - Twin rising mains diversion works 	<ul style="list-style-type: none"> - Underground utility diversion works and pillar box relocation works at Sa Po Road - Bored pile works for landscape elevated walkway LW-02 - Sheet pile installation at launching shaft for subway SB-01 - Drainage works for Pedestrian Street No. 1, No. 2 & No. 3 - Construction of Crowd Dispersal Route - Twin rising mains diversion works

1. INTRODUCTION

Project Background

- 1.1 The Kai Tak Development (KTD) is located in the southern 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/2018/05 - Kai Tak Development – stage 5B infrastructure works at the former north apron area (The Project), comprises mainly the design and construction of a section of dual two-lane Road D1; single two-lane Road L9 and Road L16; a single-lane slip road S14; a pedestrian subway SB-01; an elevated walkway LW-02; renovation of the existing pedestrian subways KS9, KS10 and KS32, as well as modification of the southern end of the existing pedestrian subway KS10; associated footpaths, street lighting, traffic aids, drainage, sewerage, water mains, landscaping, electrical and mechanical works, and ancillary works. The proposed works are shown in Figure 1 and Figure 2. The proposed works and site boundary are shown in Figure 3 and Figure 4. Civil Engineering and Development Department (CEDD) had completed an Environmental Impact Assessment (EIA) and is the Permit Holder.
- 1.3 In accordance with the approved EIA Reports, Environmental Monitoring and Audit (EM&A) programmes are recommended to ensure compliance with the EIA study recommendations. The project proponent was the Civil Engineering and Development Department (CEDD). AECOM Asia Co. Ltd. (AECOM) was commissioned by CEDD as Supervisor (act as Engineers' Representative (ER) listed in EM&A Manual). Acuity Sustainability Consulting Limited (Acuity) was commissioned as the Independent Environmental Checker (IEC). Build King – STEC Joint Venture (Build King) was appointed as the main Contractor for the construction works of Contract No. ED/2018/05. Ka Shing was commissioned by CEDD to undertake the role of the Environmental Team (ET) to implement the EM&A programme for The Project.
- 1.4 The construction work under ED/2018/05 comprises the EM&A Manual (EIA Register No. AEIAR-130/2009 for Kai Tak Development) and Environmental Permit No. EP- 337/2009.
- 1.5 Air quality and noise monitoring has been proposed in the EM&A Manual with EIA Register No. AEIAR-130/2009 for Kai Tak Development.

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. George Ng	Senior Engineer	3842 7107	2739 0076
		Mr. Kinox Wong	Engineer	3842 7137	2739 0076
AECOM Asia Co. Ltd. (AECOM)	Supervisor (act as Engineers' Representative (ER) listed in EM&A Manual)	Mr. Leung Wai Kit	CRE	2412 3410	2798 0783
Acuity Sustainability Consulting Limited (Acuity)	Independent Environmental Checker (IEC)	Mr. Kevin Li	IEC	2698 6833	2698 9383
Ka Shing Management Consultant Limited (Ka Shing)	Environmental Team (ET)	Ir. Chan Pang	ET Leader	2618 2166	2120 7752
Build King – STEC Joint Venture (BK-STECC)	Contractor	Mr. Raymond Lam	Environmental Officer	9713 6817	3850 8508

Works Area and Construction Programme

1.7 The construction works commenced on 16 February 2021. 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

August 2021	September 2021	October 2021
<ul style="list-style-type: none"> - Underground utility diversion works and pillar box relocation works at Sa Po Road - Bored pile works for landscape elevated walkway LW-02 - Sheet pile installation at launching shaft for subway SB-01 - Drainage works for Pedestrian Street No. 1, No. 2 & No. 3 - Construction of Crowd Dispersal Route - Twin rising mains diversion works 	<ul style="list-style-type: none"> - Underground utility diversion works and pillar box relocation works at Sa Po Road - Bored pile works for landscape elevated walkway LW-02 - Sheet pile installation at launching shaft for subway SB-01 - Drainage works for Pedestrian Street No. 1, No. 2 & No. 3 - Construction of Crowd Dispersal Route - Twin rising mains diversion works 	<ul style="list-style-type: none"> - Underground utility diversion works and pillar box relocation works at Sa Po Road - Bored pile works for landscape elevated walkway LW-02 - Sheet pile installation at launching shaft for subway SB-01 - Drainage works for Pedestrian Street No. 1, No. 2 & No. 3 - Construction of Crowd Dispersal Route - Twin rising mains diversion works

2. SUMMARY OF EM&A REQUIREMENTS AND MONITORING RESULTS

Monitoring Requirements

2.1 In accordance with EM&A Manual (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 Two designated monitoring stations were selected for air quality monitoring programme. Impact air quality monitoring was conducted at two 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
AM2(A) – Ng Wah Catholic Secondary School	Rooftop
AM3 – Sky Tower	Podium floor near T7

Air Quality Monitoring Parameters, Frequency and Duration

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

Table 2.2 Air quality monitoring parameters, frequency and duration

Air Monitoring Station	Location for Measurement	Parameter	Duration	Frequency
AM2(A) – Ng Wah Catholic Secondary School	Rooftop	- 24-hour average TSP	- 24 hours	- Once every 6 days
AM3 – Sky Tower	Podium floor near T7	- 1-hour average TSP	- 1 hour	- Three times every 6 days

Air Quality Monitoring Equipment

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

Table 2.3 Air Quality Monitoring Equipment

Equipment	Model	Quantity	Calibration Interval
HVS Sampler	TE-5170 X c/w of TSP sampling inlet	2	2 months
HVS Calibrator	TISCH TE-5025A	1	1 year
1-hour TSP Dust Meter	TSI Model AM510 SidePak Personal Aerosol Monitor	3	1 year
Wind Logger and Wind Station	Wind Logger with Pro-D sensor and Davis Vantage Pro2 Weather Station	1	6 months

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

Air Quality Monitoring Methodology and QA/QC Procedure

24-hour TSP Monitoring

Operating/Analytical Procedures

2.6 Setup criteria of HVS are shown as follows:

- A horizontal platform with appropriate support to secure the samplers against gusty wind was provided.
- No two samplers were placed less than 2m apart.
- The distance between the sampler and an obstacle, such as buildings, was at least twice the height that the obstacle protrudes above the sampler.

- A minimum of 2m of separation from walls, parapets and penthouses was set for the rooftop samples.
- A minimum of 2m separation from any supporting structure, measured horizontally was set.
- No furnaces or incineration flues was nearby.
- Airflow around the sampler was unrestricted.
- Any wire fence and gate, to protect the samplers, was not caused any obstruction during monitoring.
- Permission were obtained to setup the samplers and to obtain access to the monitoring stations.
- A secured supply of electricity was provided to operate the samplers.

2.7 Prior to the commencement of the dust sampling, the flow rate of the HVS was properly set (between 1.1 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.

2.8 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.

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

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

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

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

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

2.14 After sampling, the filter was removed from the HVS and put into a clean and labeled seal plastic bag to avoid cross contamination. The elapsed time was also be recorded. The sampled filters were sent to the HOKLAS accredited or other internationally accredited laboratory for weighting.

Maintenance/Calibration

2.15 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

2.16 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 check reading at each sampling location for data processing.
- Recorded any activities that may generate dust during measurement period.

Maintenance/Calibration

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

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

Wind Data Monitoring

2.18 Wind Anemometer was installed at the roof-top of AM2(A) – Ng Wah Catholic Secondary

School with 10m above ground and clear of constructions or turbulence caused by the buildings to record wind speed and wind direction.

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

Impact Air Quality Action and Limit Levels

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

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

Parameter	Air Monitoring Station	Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
24-hour average TSP	AM2(A)	175	260
	AM3	172	260

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

Parameter	Air Monitoring Station	Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
1-hour average TSP	AM2(A)	302	500
	AM3	301	500

Impact Air Quality Monitoring results

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

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

Air Monitoring Station	August 2021		September 2021		October 2021		Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$		
AM2(A)	33	28-41	52	24-74	57	30-96	175	260
AM3	41	29-55	68	44-103	61	31-107	172	260

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

Air Monitoring Station	August 2021		September 2021		October 2021		Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	Range, $\mu\text{g}/\text{m}^3$		
AM2(A)	28	20-36	47	18-76	44	22-81	302	500
AM3	31	21-46	56	24-101	45	23-86	301	500

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

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

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

2.25 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

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

Table 2.8 Locations of noise monitoring stations

Noise Monitoring Locations for the Project	Location of Measurement
M4(A) – Le Billionnaire	Podium (Façade)
M5(A) – Prince Ritz	Podium (Façade)

Noise Monitoring Parameters, Frequency and Duration

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

Table 2.9 Noise monitoring parameters, frequency and duration

Noise Monitoring Station	Location for Measurement	Parameter	Frequency and Duration
M4(A) – Le Billionnaire	Podium (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.
M5(A) – Prince Ritz	Podium (Façade)		

Noise Monitoring Equipment

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

Table 2.10 Noise Monitoring Equipment

Equipment	Model	Quantity	Calibration Interval
Sound Level Meter	RION NL52	1	1 year
Sound Level Calibrator	RION NC 74	1	1 year
Air Flowmeter	TSI TA440 Air Velocity	1	1 year

Monitoring Methodology and QA/QC Procedure

2.29 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.

2.30 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.

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

2.32 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.

2.33 Noise level was recorded.

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

Maintenance and Calibration

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

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

2.37 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

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

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

Time Period	Noise Monitoring Station	Baseline Noise Levels, dB (A)	Action Level	Limit Level [^]
0700 – 1900 on normal weekdays	M4(A)	69.5	When one documented complaint is received.	75 dB(A)
	M5(A)	72.5		

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

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

Table 2.12 Summary of noise monitoring data during the reporting period

Noise Monitoring Station	August 2021		September 2021		October 2021		Action Level	Limit Level ^
	Measured $L_{Aeq, 30\text{-min}}$, Average, dB(A)	Measured $L_{Aeq, 30\text{-min}}$, Range, dB(A)	Measured $L_{Aeq, 30\text{-min}}$, Average, dB(A)	Measured $L_{Aeq, 30\text{-min}}$, Range, dB(A)	Measured $L_{Aeq, 30\text{-min}}$, Average, dB(A)	Measured $L_{Aeq, 30\text{-min}}$, Range, dB(A)		
M4(A)	69.7	69.1 – 70.2	69.7	69.1 – 70.3	70.1	69.3 – 71.0	When one documented complaint is received	75 dB(A)
M5(A)	72.5	71.8 – 73.0	72.4	72.1 – 72.6	73.2	72.2 – 74.8		

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.

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

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

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

2.43 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

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

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

Air Monitoring Station	ASR No. in EIA report	Predicted Cumulative Maximum 24-hr average TSP concentration		Measured 24-hr average TSP in Reporting Month (August 2021) $\mu\text{g}/\text{m}^3$	Measured 24-hr average TSP in Reporting Month (September 2021) $\mu\text{g}/\text{m}^3$	Measured 24-hr average TSP in Reporting Month (October 2021) $\mu\text{g}/\text{m}^3$
		Scenario 1 (Mid 2009 to Mid 2013), $\mu\text{g}/\text{m}^3$	Scenario 2 (Mid 2013 to Late 2016), $\mu\text{g}/\text{m}^3$			
AM2(A) - Ng Wah Catholic Secondary School	NA	NA	NA	28-41	24-74	30-96
AM3 - Sky Tower	A40	106 [^]	138 [^]	29-55	44-103	31-107

Note:

[^] Prediction results are given in the Table 3.13 of the EIA report EIA Register No. AEIAR-130/2009 for Kai Tak Development.

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

Air Monitoring Station	ASR No. in EIA report	Predicted Cumulative Maximum 1-hour average TSP concentration		Measured 1-hr average TSP in Reporting Month (August 2021) $\mu\text{g}/\text{m}^3$	Measured 1-hr average TSP in Reporting Month (September 2021) $\mu\text{g}/\text{m}^3$	Measured 1-hr average TSP in Reporting Month (October 2021) $\mu\text{g}/\text{m}^3$
		Scenario 1 (Mid 2009 to Mid 2013), $\mu\text{g}/\text{m}^3$	Scenario 2 (Mid 2013 to Late 2016), $\mu\text{g}/\text{m}^3$			
AM2(A) - Ng Wah Catholic Secondary School	NA	NA	NA	20-36	18-76	22-81
AM3 - Sky Tower	A40	217 [^]	247 [^]	21-46	24-101	23-86

Note:

[^] Prediction results are given in the Table 3.13 of the EIA report EIA Register No. AEIAR-130/2009 for Kai Tak Development.

Table 2.15 Comparison of noise monitoring data with EIA predictions

Noise Monitoring Station	NSR No. in EIA report	Predicted Mitigated Construction Noise Levels during Normal Daytime Working Hour $L_{Aeq, 30min}$, dB(A)	Measured Noise Level in Reporting Month (August 2021) $L_{Aeq, 30min}$, dB(A)	Measured Noise Level in Reporting Month (September 2021) $L_{Aeq, 30min}$, dB(A)	Measured Noise Level in Reporting Month (October 2021) $L_{Aeq, 30min}$, dB(A)
M4(A) – Le Billionnaire	NA	NA	69.1 – 70.2	69.1 – 70.3	69.3 – 71.0
M5(A) – Prince Ritz	NA	NA	71.8 – 73.0	72.1 – 72.6	72.2 – 74.8

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

2.46 No prediction in the EIA Report for 24-hour TSP monitoring results at AM2(A).

2.47 24-hour TSP monitoring results in March 2021 at AM3 was recorded higher than both prediction of Scenario 1 (Mid 2009 to Mid 2013) and Scenario 2 (Mid 2013 to Late 2016) in the EIA Report. 24-hour TSP monitoring results in Apr 2021 at AM3 was recorded higher than prediction of Scenario 1 (Mid 2009 to Mid 2013) in the EIA Report. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.

2.48 No prediction in the EIA Report for 1-hour TSP monitoring results at AM2(A).

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

2.50 No prediction in the EIA Report for noise monitoring results at M4(A) and M5(A).

3. LANDSCAPE AND VISUAL MONITORING

- 3.1 In accordance with EM&A Manual (EIA Register Nos. AEIAR-130/2009), 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 No non-compliance of the landscape and visual impact was recorded in the reporting period.
- 3.4 Should non-compliance of the landscape and visual impact occur, action in accordance with the action plan presented in Appendix E shall be performed.

4. SOLID AND LIQUID WASTE MANAGEMENT

- 4.1 The amount of wastes generated by the major site activities of the work contracts within the Project during the reporting period is shown in Appendix F.
- 4.2 The Contractor was registered as a chemical waste producer for the Project.
- 4.3 Mitigation measures recommended in the EIA Report were implemented by the Contractor where applicable and were considered effective in reducing the waste generation during the reporting period.
- 4.4 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.

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 and given advise if applicable 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 / Advice / Recommendations /	Actions	Close-out Date / Status
5 August 2021	Observation: Contractor was reminded to replace the QPME label of the generator to its proper date in LW02.	Action Taken: Contractor had been replaced the QPME label of the generator in LW02.	Closed out on 12 August 2021
	Observation: Water inlet cap was missed with water safety barriers in LW02.	Action Taken: Water inlet cap had been provided in LW02.	
12 August 2021	Observation: Secondary container shall be provided for the diesel drum to prevent soil contamination in LW02.	Action Taken: Secondary container had been provided for the diesel drum.	Closed out on 19 August 2021
	Observation: Contractor was reminded to replace the QPME label of the generator to its proper date in S14.	Action Taken: Contractor had been replaced the QPME label of the generator in S14	
19 August 2021	Observation: Secondary container shall be provided for the diesel drum to present soil contamination in LW02.	Action Taken: Secondary container had been removed.	Closed out on 26 August 2021
	Observation: Contractor was reminded to replace the QPME label of the generator to its proper date in S14.	Action Taken: Contractor had been replaced the QPME label of the generator in S14.	

Inspection Date	Key Observations / Advice / Recommendations /	Actions	Close-out Date / Status
	Observation: Waste should be stored in a covered location in LW02	Action Taken: Waste had been removed in LW02	
26 August 2021	Observation: Water inlet cap was missed with water safety barriers in LW02.	Action Taken: Water inlet cap had been provided in LW02.	Closed out on 2 Sept 2021
	Observation: 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.	Action Taken: Cement had been covered entirely by impervious sheeting	
2 September 2021	Observation: 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.	Action Taken: 20 bags of cement had been removed.	Closed out on 9 September 2021
9 September 2021	Observation: Secondary container shall be provided for the diesel drum to prevent soil contamination in LW02.	Action Taken: Secondary container had been provided for the diesel drum.	Closed out on 16 September 2021
16 September 2021	No deficiency item was found.		
23 September 2021	Observation: Secondary container shall be provided for the diesel drum to prevent soil contamination in LW02.	Action Taken: Secondary container had been provided for the diesel drum.	Closed out on 30 September 2021
30 September 2021	Observation: Stockpiles should be fully covered by impermeable sheeting to reduce dust emission in LW02.	Action Taken: Stockpiles had been removed.	Closed out on 7 October 2021
	Observation: Water inlet cap was missed with water safety barriers in LW02.	Action Taken: Water inlet cap had been provided with water safety barriers in LW02.	
7 October 2021	Observation: 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.	Action Taken: 20 bags of cement had been removed.	Closed out on 15 October 2021

Inspection Date	Key Observations / Advice / Recommendations /	Actions	Close-out Date / Status
	Observation: Secondary container shall be provided for the diesel drum to prevent soil contamination in LW02.	Action Taken: Engine oil has been removed.	
15 October 2021	Observation: Water inlet cap was missed with water safety barriers in LW02.	Action Taken: Water inlet cap had been provided with water safety barriers in LW02.	Closed out on 21 October 2021
	Observation: Secondary container shall be provided for the diesel drum to prevent soil contamination in LW02.	Action Taken: Secondary container had been provided for the diesel drum in LW02	
21 October 2021	Observation: 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.	Action Taken: Cement had been covered.	Closed out on 28 October 2021
	Observation: Stockpiles should be fully covered by impermeable sheeting to reduce dust emission.	Action Taken: Stockpiles had been covered by impermeable sheeting	
28 October 2021	Observation: 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.	Action Taken: Cement had been removed.	Closed out on 5 Nov 2021
	Observation: Secondary container shall be provided for the diesel drum to prevent soil contamination in L14.3	Action Taken: Secondary container had been provided for the diesel drum in LW02	

Implementation Status of Environmental Mitigation Measures

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

5.5 Based on the observations from the site inspection, it would be considered that the pollution control and mitigation measures were effective and efficient in controlling the environmental impacts generated from the construction activities of the Project site.

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 Action/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		Possible reasons for non-compliance	Action Taken
		Action Level	Limit Level		
1-hr TSP	August 2021	0	0	N/A	N/A
	September 2021	0	0	N/A	N/A
	October 2021	0	0	N/A	N/A
24-hr TSP	August 2021	0	0	N/A	N/A
	September 2021	0	0	N/A	N/A
	October 2021	0	0	N/A	N/A
Constructi on noise	August 2021	0	0	N/A	N/A
	September 2021	0	0	N/A	N/A
	October 2021	0	0	N/A	N/A

Environmental Complaint and Non-compliance

- 6.5 One 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 receiving complaint	Date of compliant	Description of complaint	Recommendations / Action take	Close-out date / Status
29 September 2021	5 October 2021	1. Complainant said that the spraying of water for dust control and the cleaning of vehicles at the site exit to Concorde Road caused water and muddy water being splashed onto road affecting drivers.	1 The wheel washing area is within the hard paved area of the site and no water will be sprayed outward 2. The workers are reminded to be aware of the use of water jet. 3. The contractor has used water truck to conduct regular cleaning at existing carriageway in the early morning	7 October 2021

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 period.	NA	NA	NA	NA

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 / Reminders
5 August 2021	Contractor was reminded to replace the QPME label of the generator to its proper date in LW02.
5 August 2021	Water inlet cap had been provided in LW02.
12 August 2021	Secondary container shall be provided for the diesel drum to prevent soil contamination in LW02.
12 August 2021	Contractor was reminded to replace the QPME label of the generator to its proper date in S14.
19 August 2021	Secondary container shall be provided for the diesel drum to prevent soil contamination in LW02.
19 August 2021	Contractor was reminded to replace the QPME label of the generator to its proper date in S14.
19 August 2021	Waste should be stored in a covered location in LW02.
26 August 2021	Water inlet cap was missed with water safety barriers in LW02.

Inspection Date	Recommendations / Reminders
26 August 2021	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.
2 September 2021	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.
9 September 2021	Secondary container shall be provided for the diesel drum to prevent soil contamination in LW02.
16 September 2021	No deficiency item was found.
23 September 2021	Secondary container shall be provided for the diesel drum to prevent soil contamination in LW02.
30 September 2021	Stockpiles should be fully covered by impermeable sheeting to reduce dust emission in LW02.
30 September 2021	Water inlet cap was missed with water safety barriers in LW02.
7 October 2021	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.
7 October 2021	Secondary container shall be provided for the diesel drum to prevent soil contamination in LW02.
15 October 2021	Water inlet cap was missed with water safety barriers in LW02.
15 October 2021	Secondary container shall be provided for the diesel drum to prevent soil contamination in LW02.
21 October 2021	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.
21 October 2021	Stockpiles should be fully covered by impermeable sheeting to reduce dust emission.
28 October 2021	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.
28 October 2021	Secondary container shall be provided for the diesel drum to prevent soil contamination in L14.3

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.
- 7.7 24-hour TSP monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded.
- 7.8 Construction noise monitoring was conducted as scheduled in the reporting period. No Action/Limit Level exceedance was recorded.

7.9 One complaint was received in the reporting period.

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

Figures

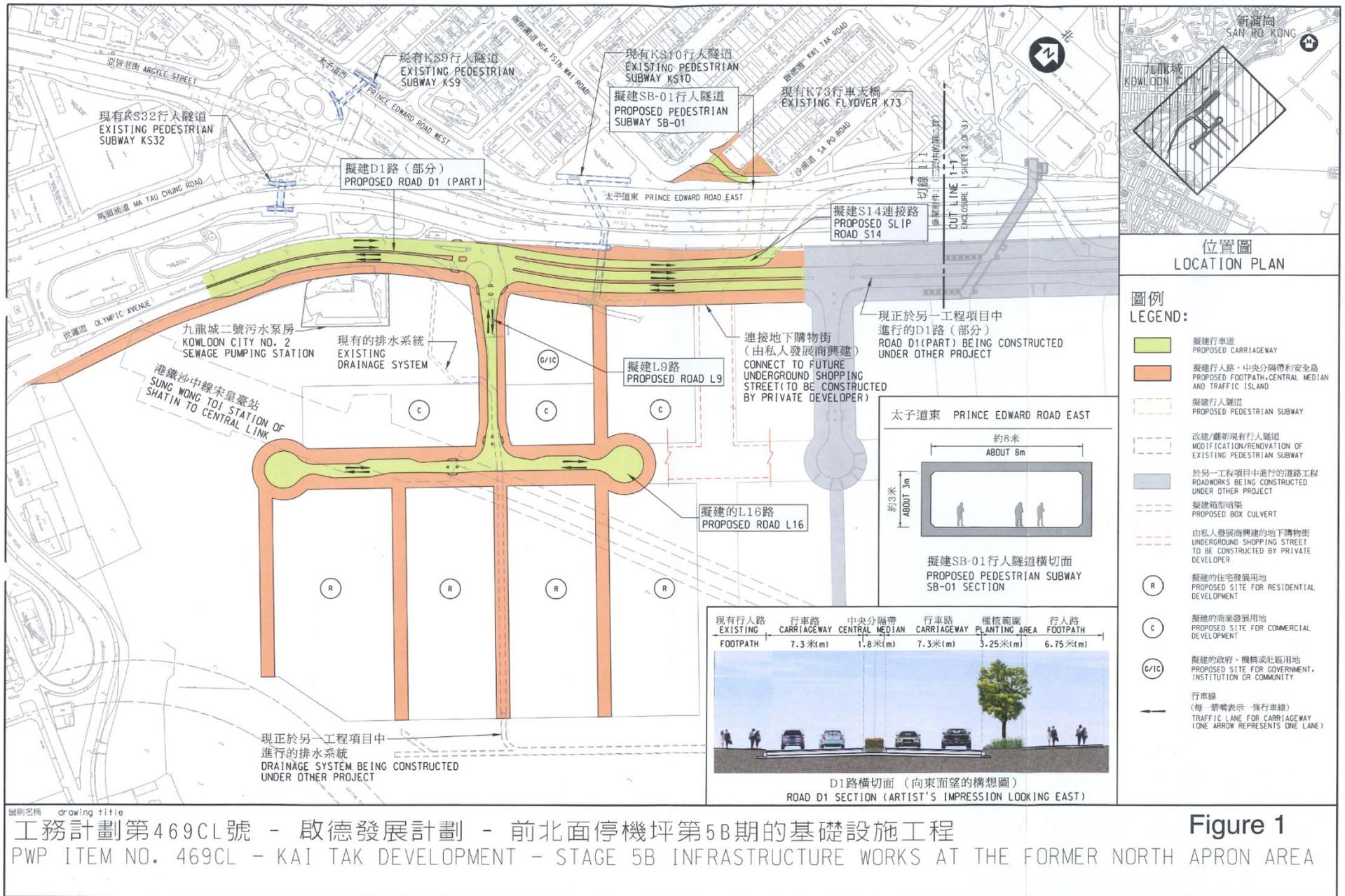


Figure 1 – Proposed works of Contract No. ED/2018/05

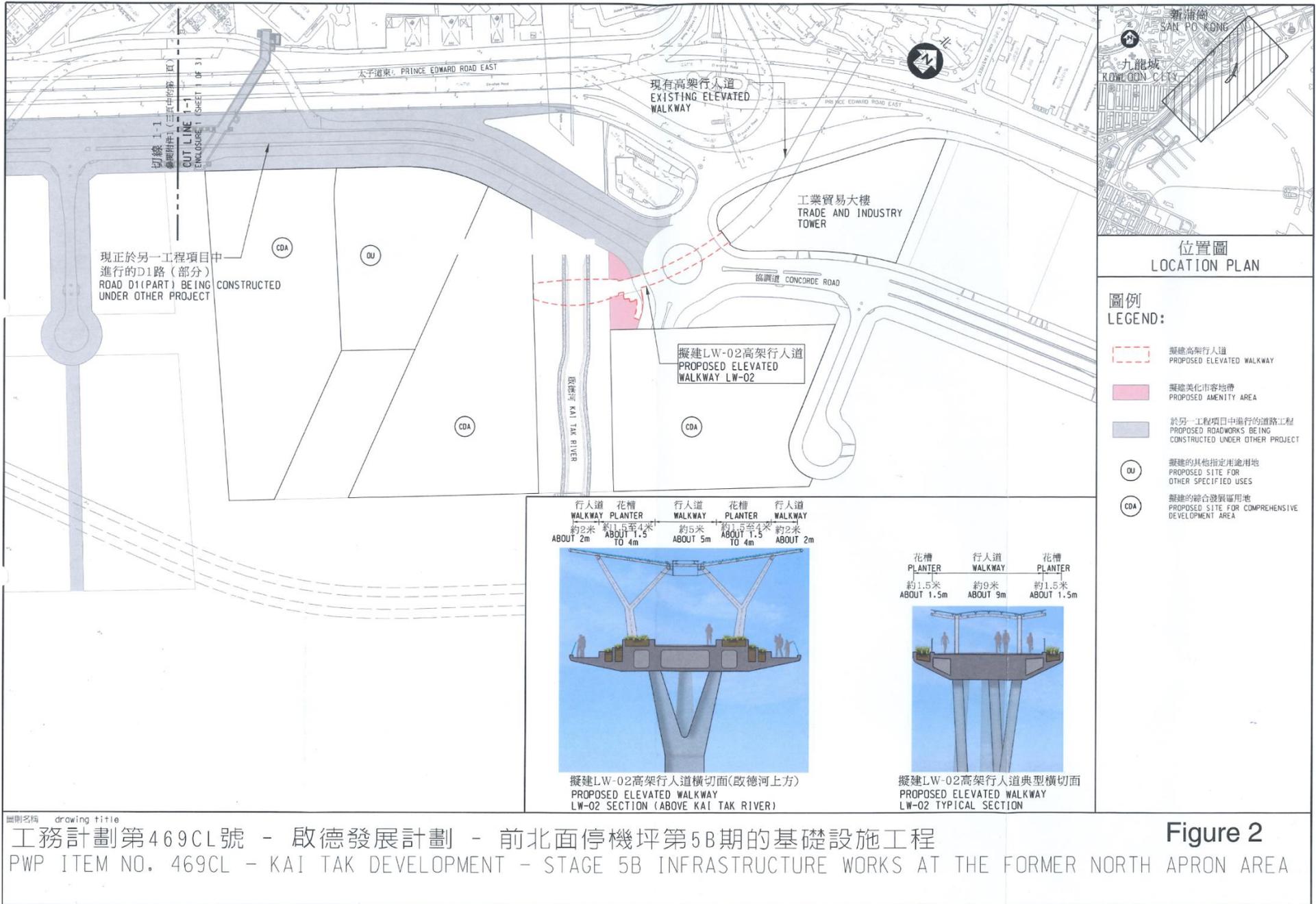


Figure 2

Figure 2 – Proposed works of Contract No. ED/2018/05

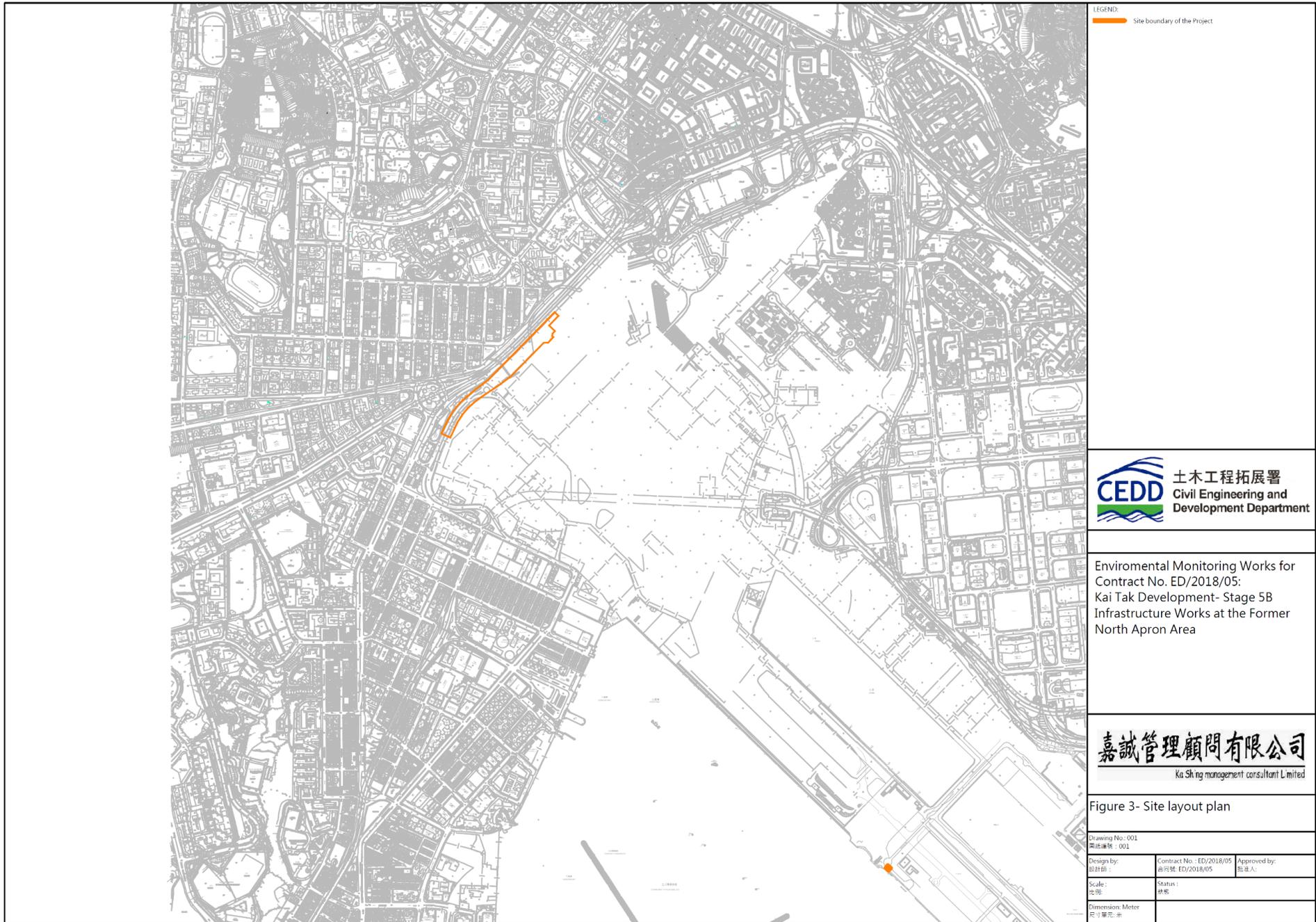
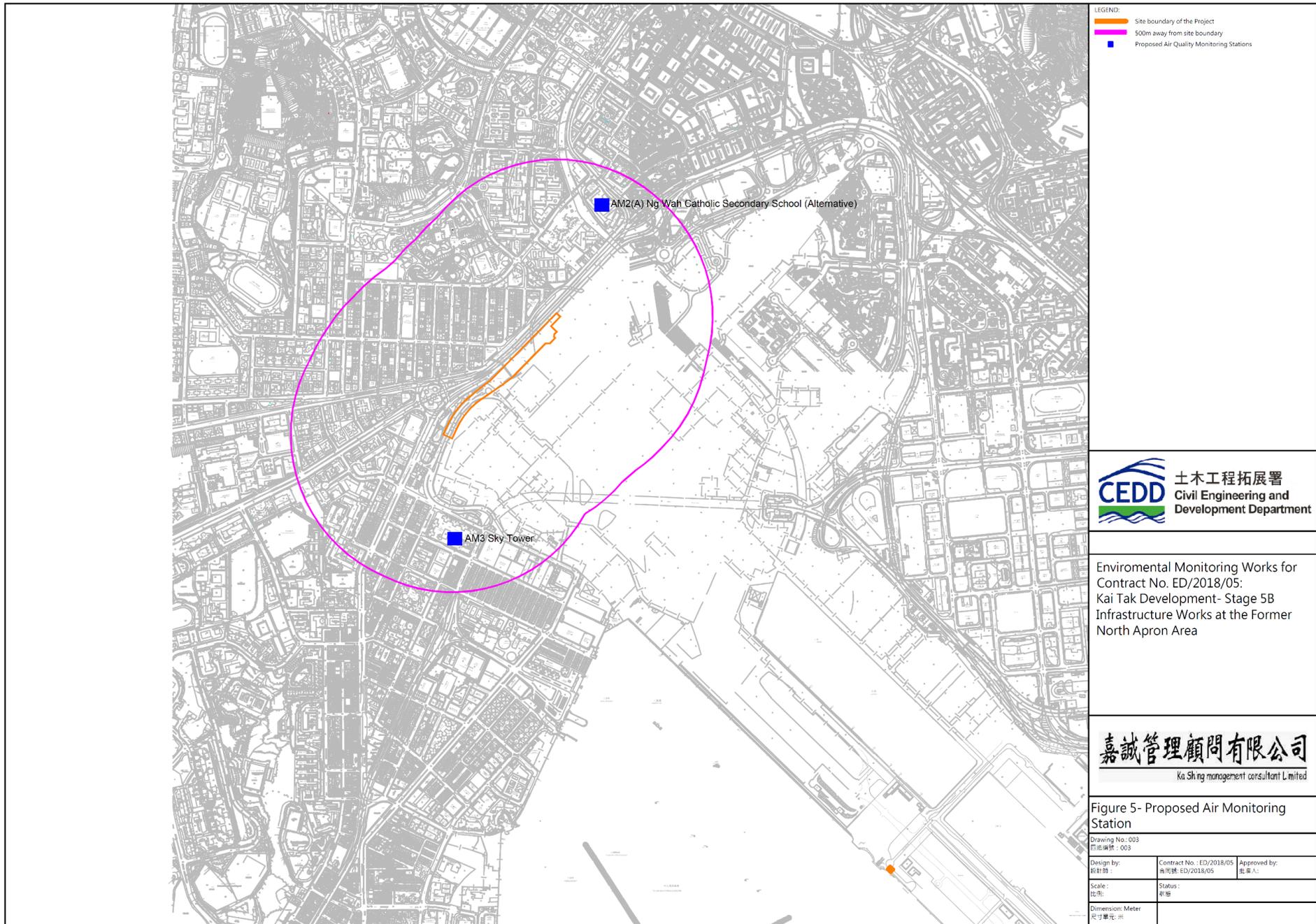


Figure 3 – D1 Road Site Layout Plan



LEGEND:
 Site boundary of the Project
 500m away from site boundary
 Proposed Air Quality Monitoring Stations

 土木工程拓展署
 Civil Engineering and
 Development Department

Environmental Monitoring Works for
 Contract No. ED/2018/05:
 Kai Tak Development- Stage 5B
 Infrastructure Works at the Former
 North Apron Area

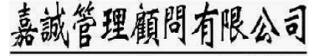

 Ka Shing management consultant Limited

Figure 5- Proposed Air Monitoring
 Station

Drawing No: 003 圖則編號: 003		
Design by: 設計師:	Contract No.: ED/2018/05 合同編號: ED/2018/05	Approved by: 批審人:
Scale: 比例:	Status: 狀態:	
Dimension: Meter 尺寸單位: 米		

Figure 5 – Air Quality Monitoring Stations

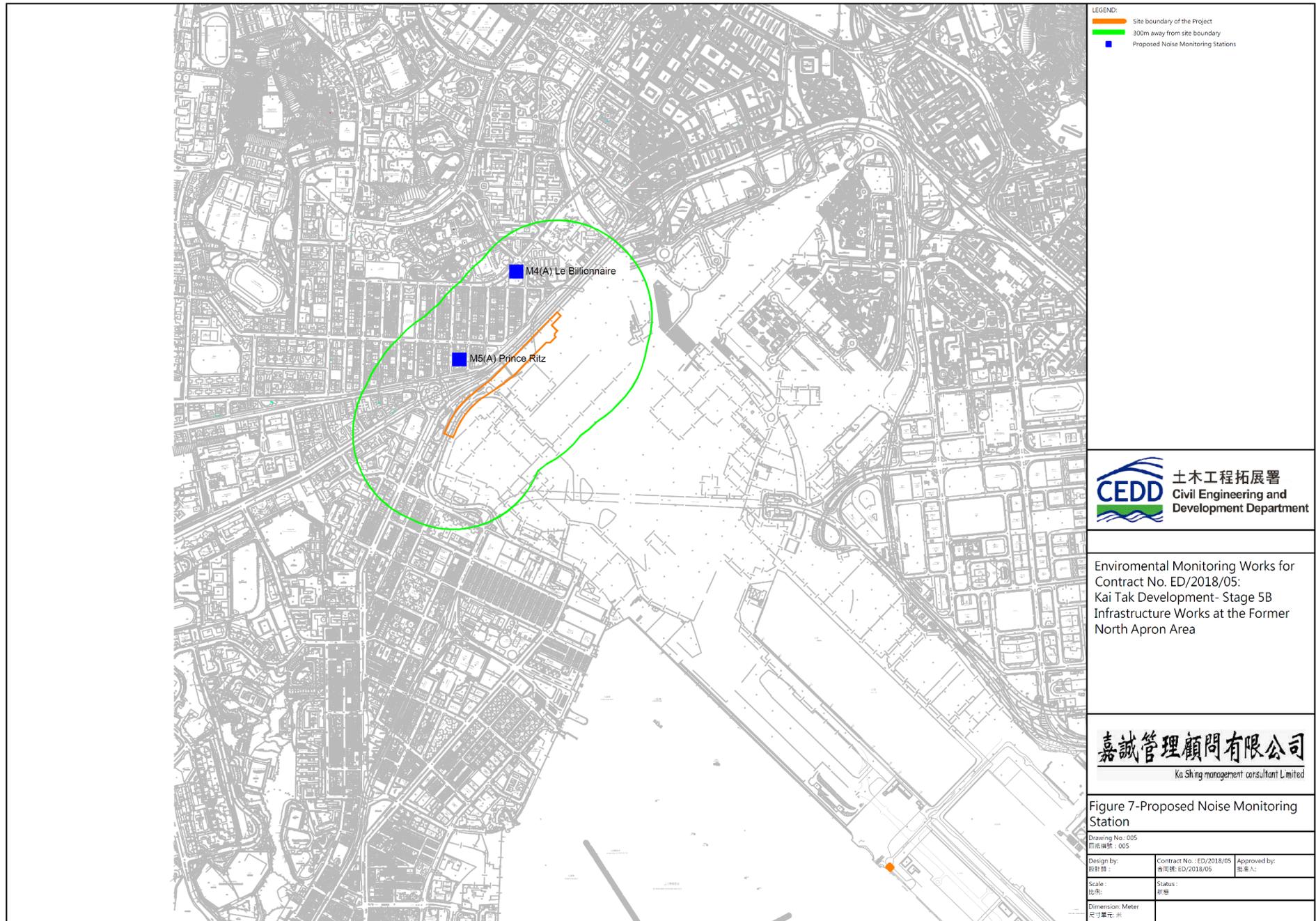


Figure 6 – Noise Monitoring Stations

Figures

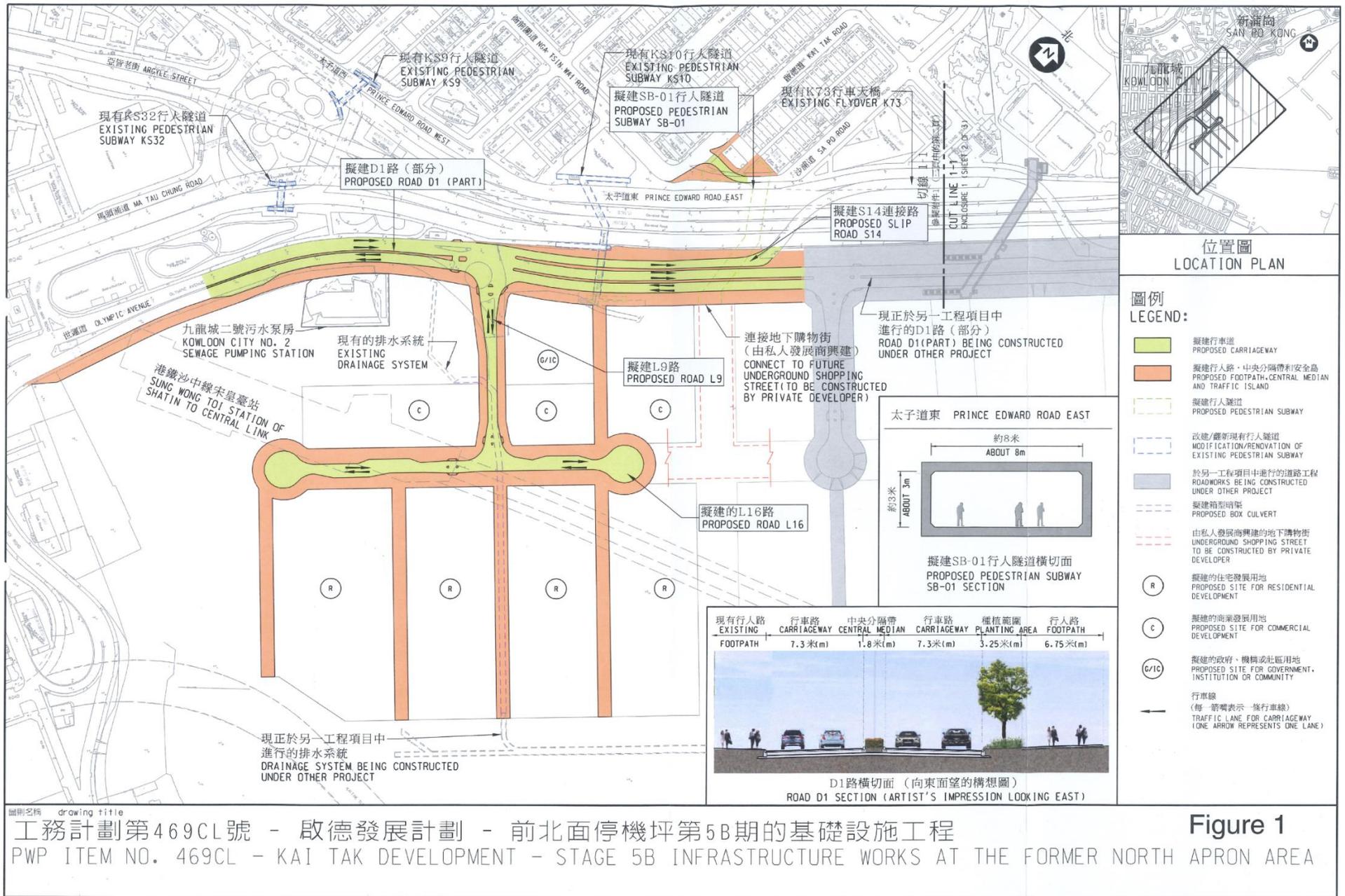


Figure 1 – Proposed works of Contract No. ED/2018/05

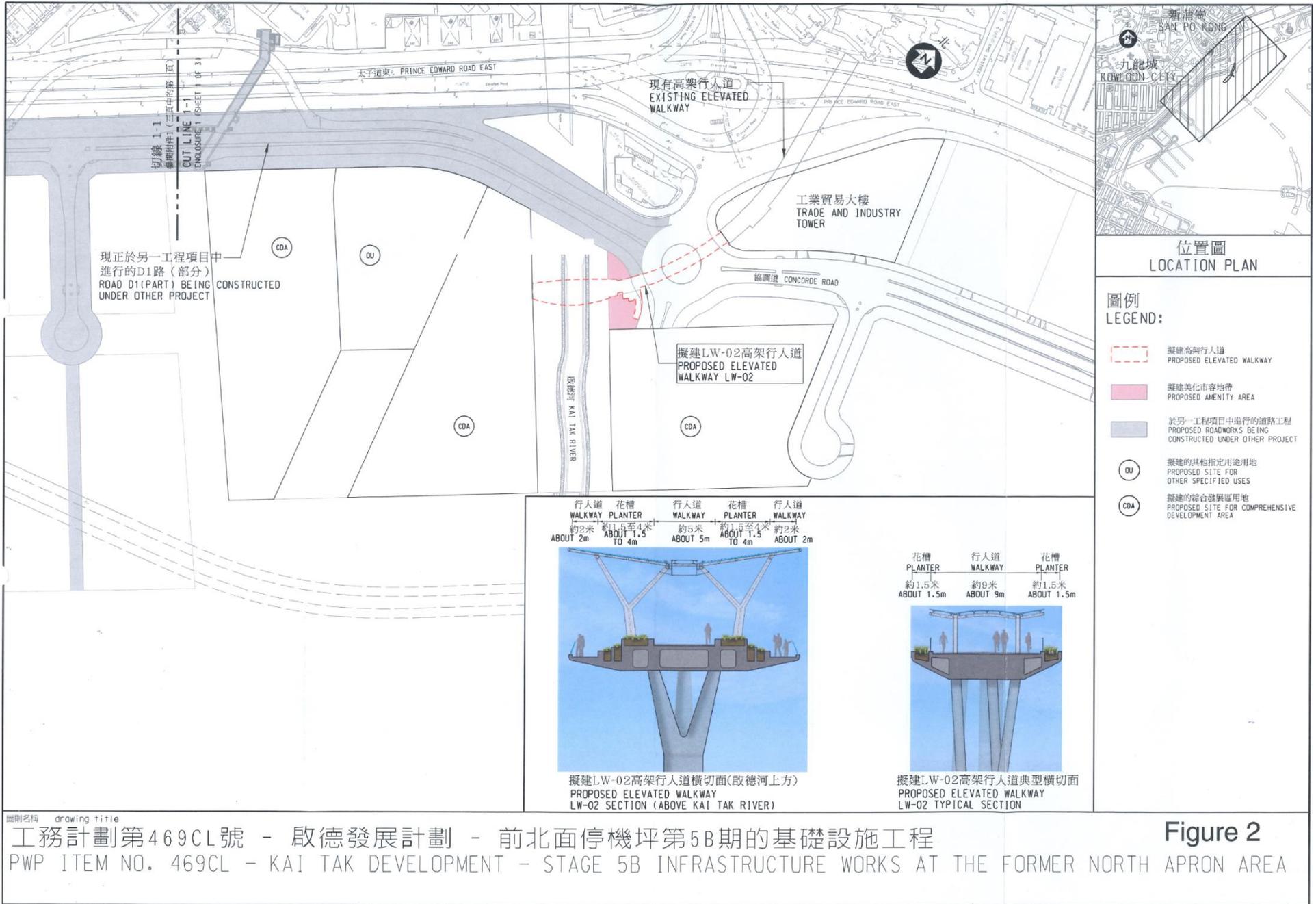
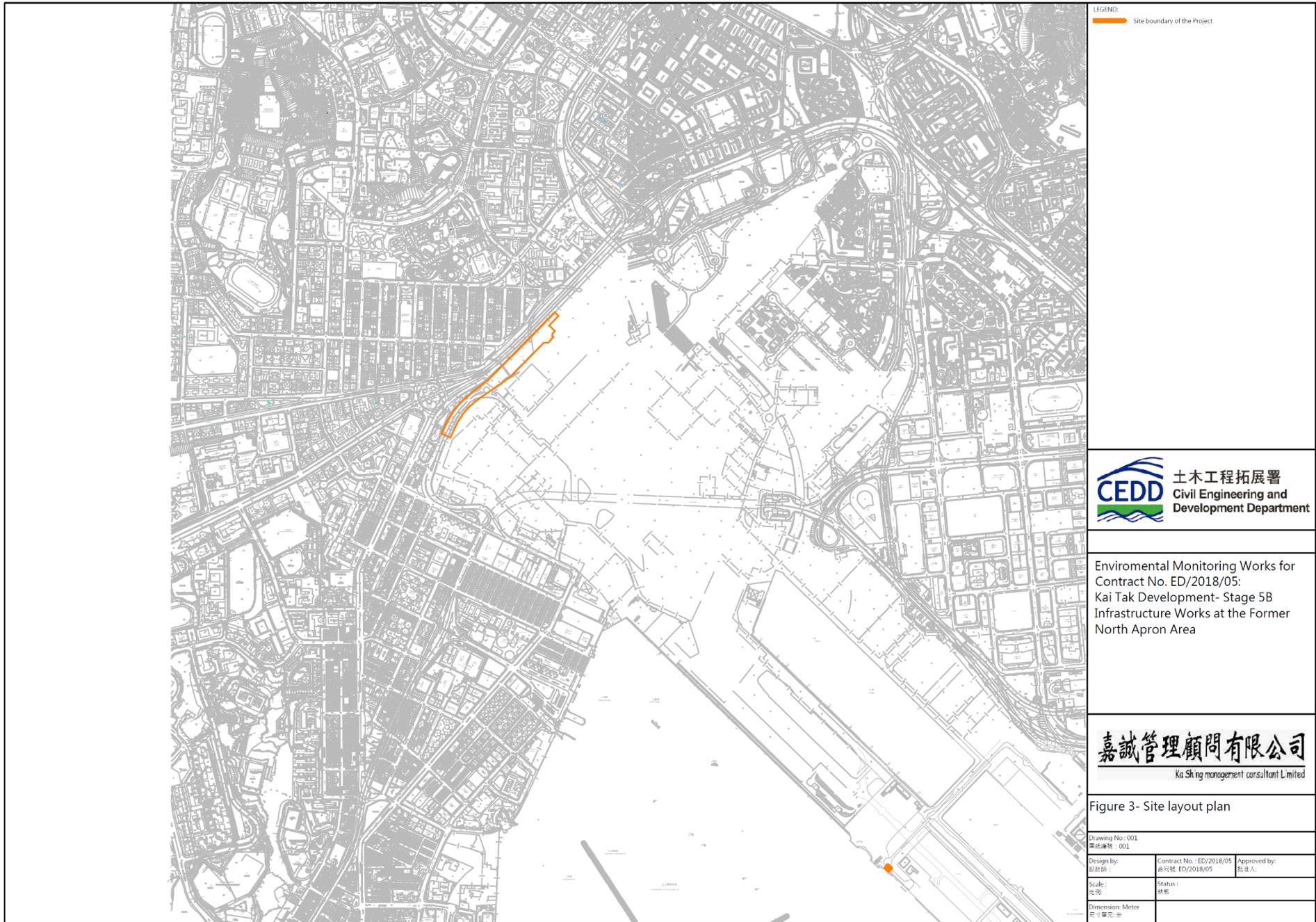


Figure 2

Figure 2 – Proposed works of Contract No. ED/2018/05



LEGEND:
— Site boundary of the Project

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

Environmental Monitoring Works for
 Contract No. ED/2018/05:
 Kai Tak Development- Stage 5B
 Infrastructure Works at the Former
 North Apron Area

嘉誠管理顧問有限公司
 Ka Shing management consultant L limited

Figure 3- Site layout plan

Drawing No.: 001 圖則編號: 001		
Design by: 設計師:	Contract No.: ED/2018/05 合約號: ED/2018/05	Approved by: 批准人:
Scale: 比例:	Status: 狀態:	
Dimension: Meter 尺寸單位: 米		

Figure 3 – D1 Road Site Layout Plan

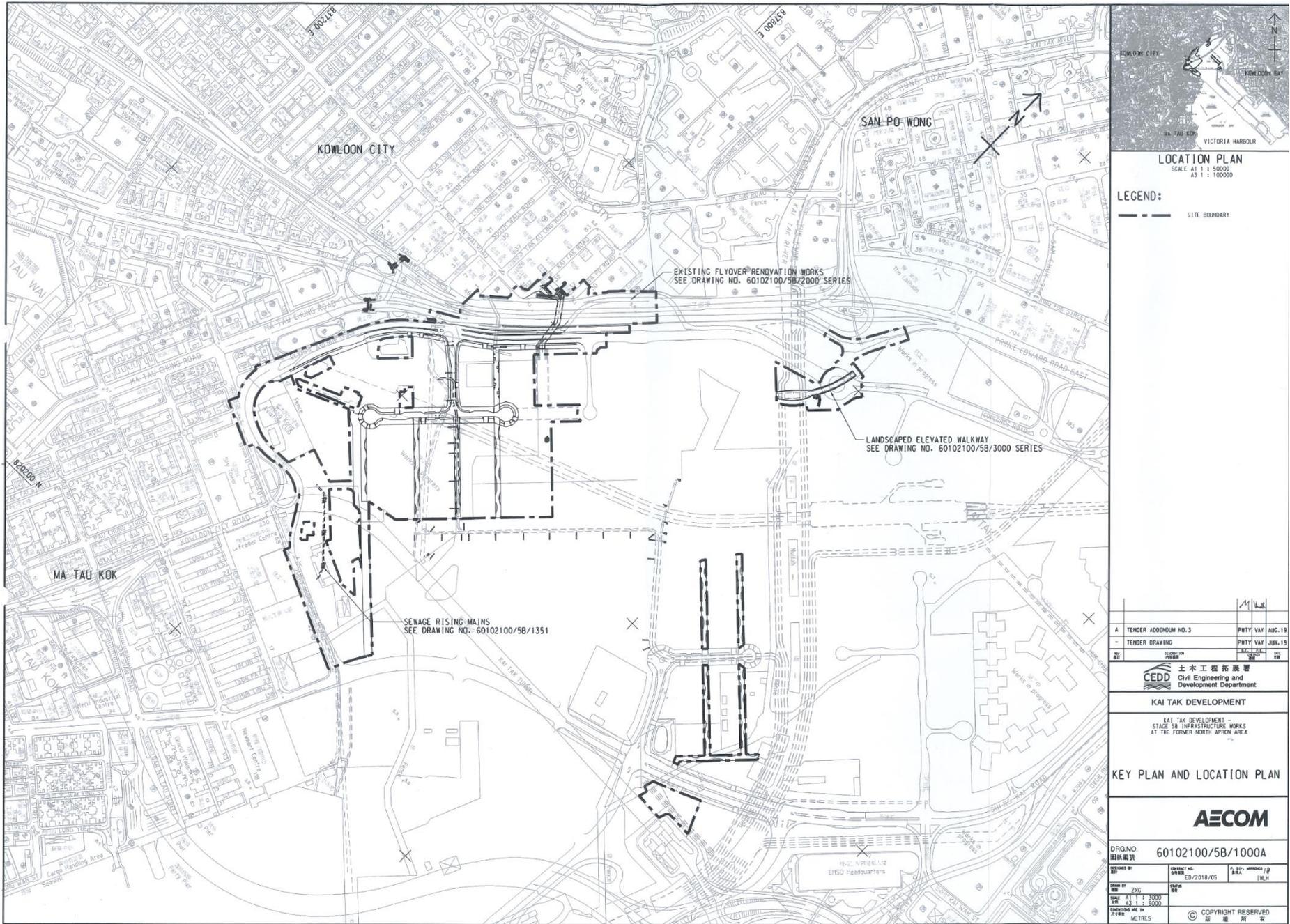


Figure 4 – Site Layout Plan

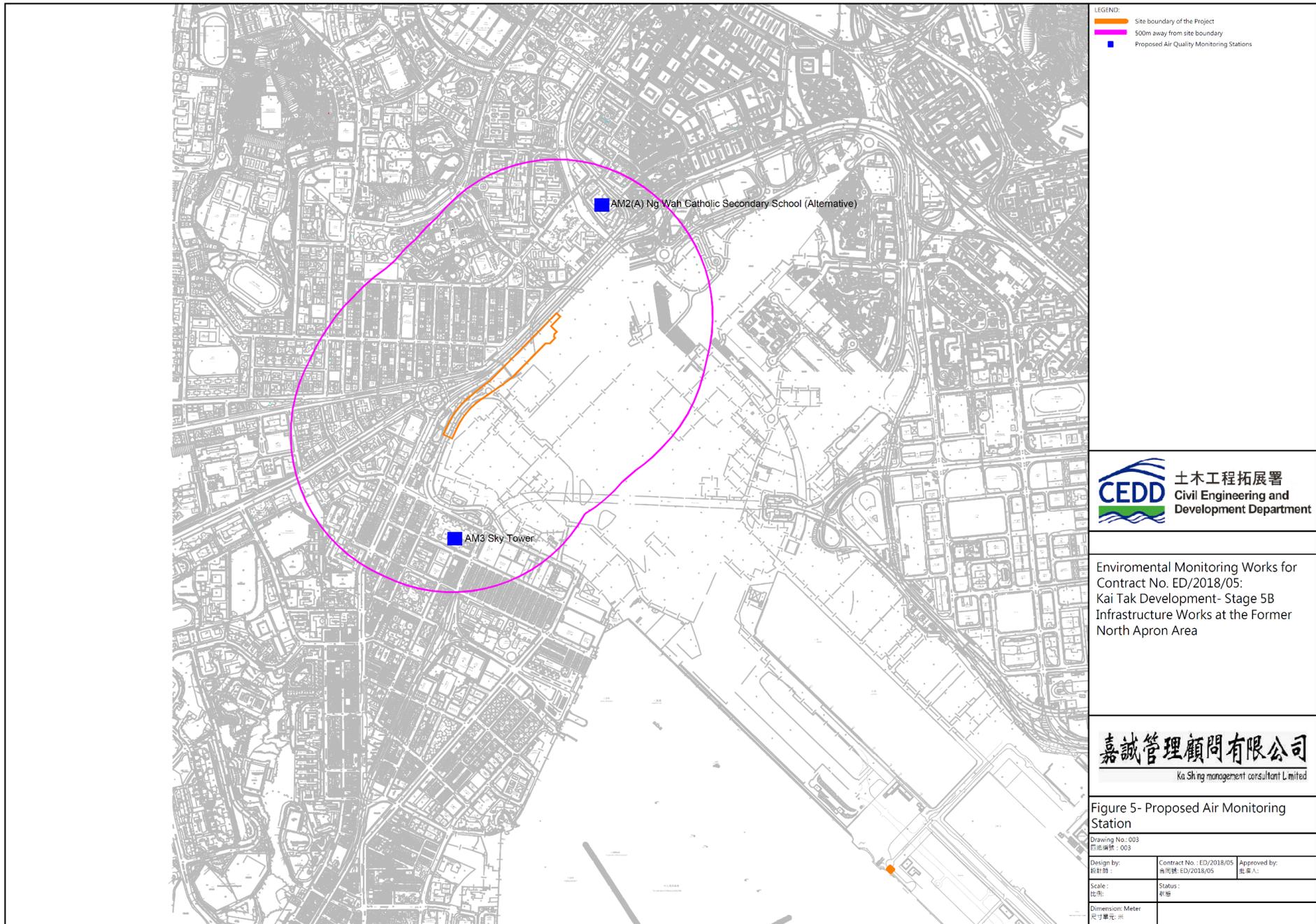


Figure 5 – Air Quality Monitoring Stations

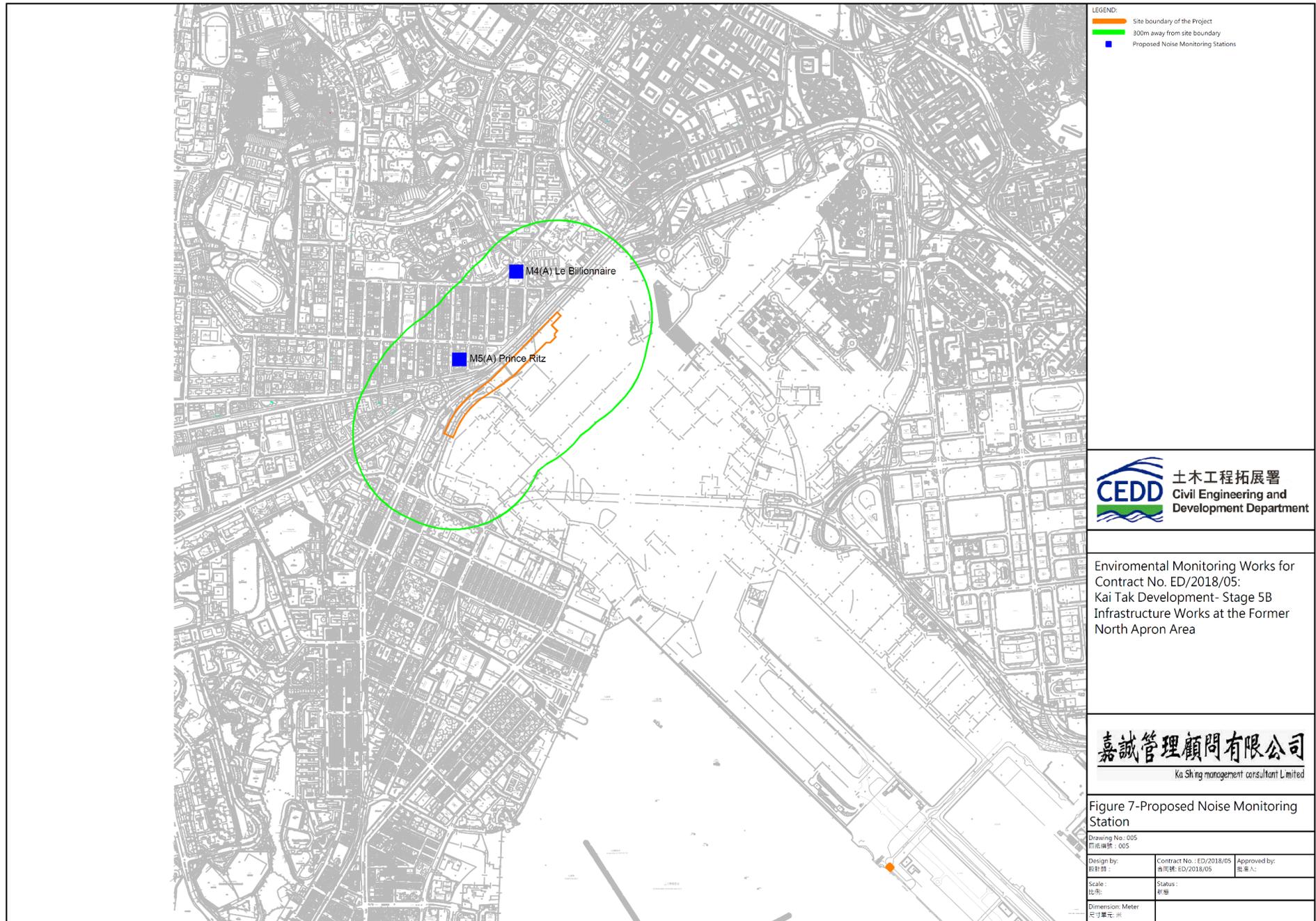
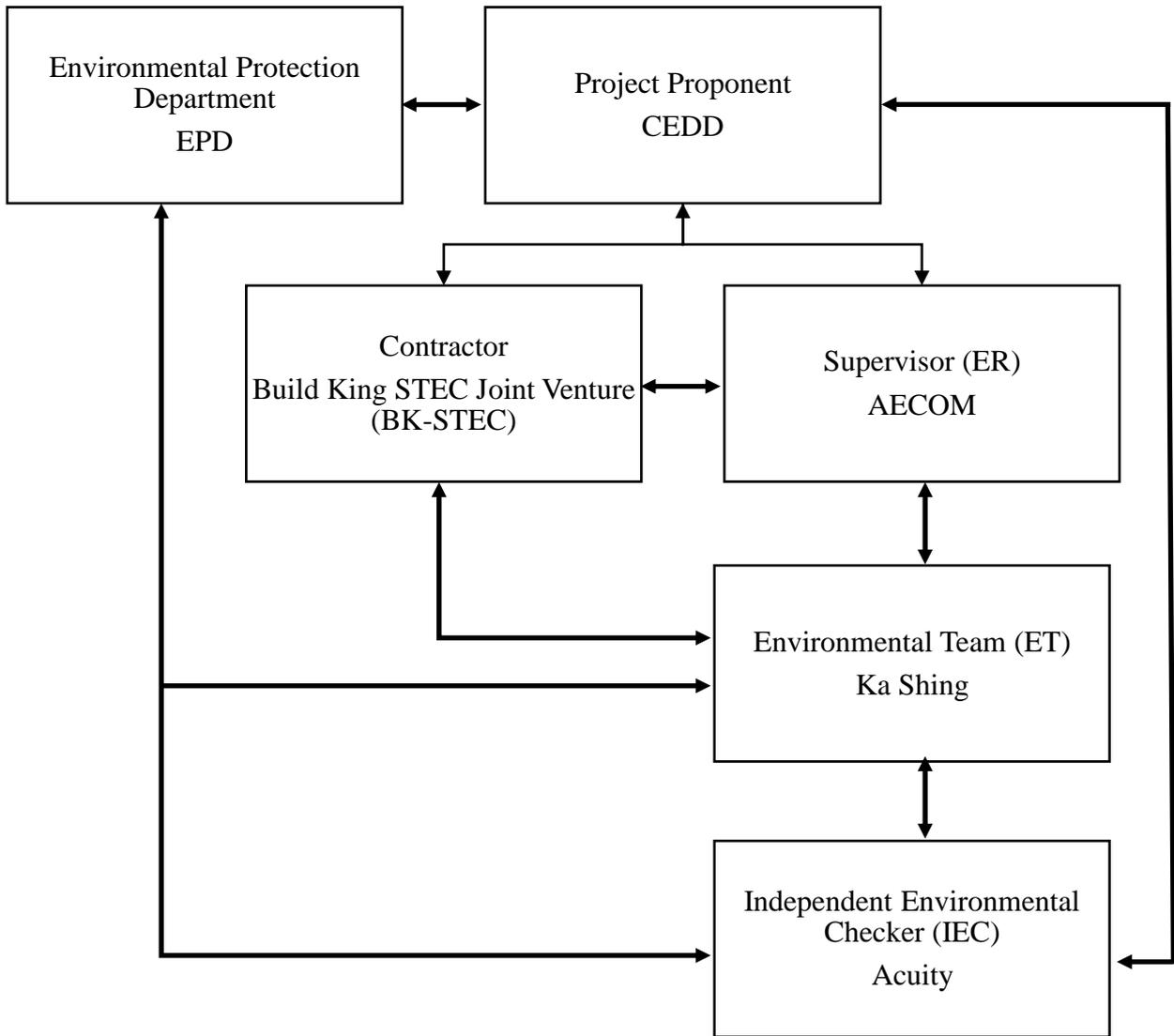


Figure 6 – Noise Monitoring Stations

Appendix A – Organization Chart of EM&A Team



↔ Link of communication

Appendix B – Construction Programme

Appendix C – Weather information

General Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)	Mean Relative Humidity (%)	Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)	Mean Relative Humidity (%)
01/08/2021	27.1	32.5	11.6	83	01/09/2021	26.7	32.1	5.9	85
02/08/2021	28.5	33.9	Trace	80	02/09/2021	27.7	33.0	0.0	80
03/08/2021	27.1	29.7	19.7	88	03/09/2021	27.8	33.6	Trace	79
04/08/2021	25.9	31.3	41.9	85	04/09/2021	27.9	33.6	0.9	79
05/08/2021	26.2	28.6	28.1	90	05/09/2021	28.3	33.2	Trace	79
06/08/2021	26.4	29.7	31.0	89	06/09/2021	28.0	32.5	0.0	77
07/08/2021	27.6	30.9	0.0	85	07/09/2021	28.1	33.4	0.2	78
08/08/2021	27.8	31.5	3.1	85	08/09/2021	28.2	34.3	0.0	74
09/08/2021	27.2	31.3	36.3	85	09/09/2021	27.8	33.5	0.0	73
10/08/2021	27.5	30.4	17.3	87	10/09/2021	28.6	33.7	0.0	71
11/08/2021	27.1	32.1	3.0	84	11/09/2021	28.4	33.4	0.0	75
12/08/2021	26.8	33.0	1.0	82	12/09/2021	29.0	34.5	0.0	76
13/08/2021	26.6	30.7	5.4	83	13/09/2021	29.5	33.6	0.0	77
14/08/2021	26.6	29.2	2.2	85	14/09/2021	26.7	30.2	33.8	83
15/08/2021	25.7	30.0	5.7	87	15/09/2021	27.9	33.0	0.0	75
16/08/2021	26.2	31.0	3.9	83	16/09/2021	26.8	31.9	Trace	77
17/08/2021	27.4	32.5	0.0	78	17/09/2021	27.5	34.1	7.6	77
18/08/2021	28.1	32.3	0.0	77	18/09/2021	28.3	33.2	0.2	79
19/08/2021	26.2	31.0	34.6	84	19/09/2021	27.4	32.1	21.2	86
20/08/2021	27.3	32.5	Trace	77	20/09/2021	27.9	32.3	9.4	84
21/08/2021	28.0	32.5	0.0	76	21/09/2021	26.7	31.7	10.2	82
22/08/2021	28.3	33.1	0.0	74	22/09/2021	27.9	34.0	0.5	77
23/08/2021	28.4	33.2	Trace	75	23/09/2021	26.0	30.2	38.4	87
24/08/2021	26.6	32.1	23.7	79	24/09/2021	27.8	32.0	1.2	81
25/08/2021	28.2	34.4	1.1	79	25/09/2021	27.9	32.3	0.1	76
26/08/2021	27.1	32.7	2.2	80	26/09/2021	27.8	31.6	0.0	72
27/08/2021	23.4	29.2	29.3	89	27/09/2021	28.1	32.8	0.0	75
28/08/2021	24.9	29.8	22.0	81	28/09/2021	27.9	32.2	0.0	75
29/08/2021	25.3	29.9	13.9	83	29/09/2021	27.9	32.7	0.0	77
30/08/2021	27.4	32.9	Trace	81	30/09/2021	28.4	32.9	0.0	78
31/08/2021	25.2	29.1	13.5	88					

NOTE1: The above weather information was obtained from manned weather station of Hong Kong Observatory.
NOTE2: Trace means rainfall less than 0.05 mm
<https://www.hko.gov.hk/en/cis/dailyExtract.htm?y=2021&m=09>

NOTE1: The above weather information was obtained from manned weather station of Hong Kong Observatory.
NOTE2: Trace means rainfall less than 0.05 mm
<https://www.hko.gov.hk/en/cis/dailyExtract.htm?y=2021&m=08>

General Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)	Mean Relative Humidity (%)
01/10/2021	28.8	33.1	Trace	79
02/10/2021	28.3	32.9	0.0	74
03/10/2021	24.9	29.9	1.9	79
04/10/2021	28.1	32.7	0.0	71
05/10/2021	28.7	32.8	Trace	69
06/10/2021	27.6	31.7	Trace	69
07/10/2021	25.0	30.8	43.9	75
08/10/2021	24.7	26.8	329.7	94
09/10/2021	25.3	27.9	130.3	91
10/10/2021	25.3	27.9	45.1	86
11/10/2021	26.0	32.7	0.0	68
12/10/2021	23.6	26.4	0.2	65
13/10/2021	22.9	27.4	57.7	89
14/10/2021	26.1	30.0	13.3	86
15/10/2021	25.2	27.6	4.6	85
16/10/2021	24.3	30.3	Trace	73
17/10/2021	22.2	28.0	0.0	68
18/10/2021	20.9	27.7	0.0	70
19/10/2021	23.5	28.9	0.0	75
20/10/2021	25.0	29.8	0.1	78
21/10/2021	19.3	28.2	0.7	80
22/10/2021	18.2	20.5	Trace	77
23/10/2021	18.3	22.7	0.0	75
24/10/2021	19.8	26.6	0.0	69
25/10/2021	19.7	27.5	0.0	66
26/10/2021	22.7	28.3	0.0	69
27/10/2021	24.9	27.0	Trace	76
28/10/2021	24.2	28.0	0.1	77
29/10/2021	23.9	27.7	1.1	76
30/10/2021	23.0	26.2	2.4	81
31/10/2021	23.4	26.1	0.0	75

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

NOTE2: Trace means rainfall less than 0.05 mm <https://www.hko.gov.hk/en/cis/dailyExtract.htm?y=2021&m=10>

Kai Tak Runway Park Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)
01/08/2021	26.3	33.5	01/09/2021	27.0	30.3
02/08/2021	28.6	34.0	02/09/2021	27.7	31.2
03/08/2021	26.7	29.3	03/09/2021	27.1	31.4
04/08/2021	25.9	32.5	04/09/2021	26.9	31.5
05/08/2021	26.6	29.6	05/09/2021	27.3	31.1
06/08/2021	26.4	30.8	06/09/2021	27.1	32.2
07/08/2021	27.5	31.6	07/09/2021	25.9	31.3
08/08/2021	27.6	32.0	08/09/2021	27.5	31.5
09/08/2021	26.1	31.5	09/09/2021	26.6	32.4
10/08/2021	26.6	31.3	10/09/2021	27.7	31.4
11/08/2021	26.2	32.4	11/09/2021	27.5	33.7
12/08/2021	26.4	31.0	12/09/2021	29.1	35.1
13/08/2021	25.8	31.3	13/09/2021	29.1	34.4
14/08/2021	26.4	29.1	14/09/2021	27.1	32.5
15/08/2021	25.3	29.9	15/09/2021	27.5	34.1
16/08/2021	25.5	32.2	16/09/2021	25.9	32.7
17/08/2021	27.1	33.4	17/09/2021	26.8	31.4
18/08/2021	27.2	33.2	18/09/2021	28.5	31.1
19/08/2021	26.0	30.5	19/09/2021	27.2	31.7
20/08/2021	26.3	33.6	20/09/2021	27.6	31.4
21/08/2021	27.7	33.3	21/09/2021	27.3	31.6
22/08/2021	28.0	33.6	22/09/2021	29.9	29.9
23/08/2021	27.7	33.0	23/09/2021	25.4	30.5
24/08/2021	26.5	32.2	24/09/2021	27.1	30.7
25/08/2021	25.5	30.6	25/09/2021	28.0	30.5
26/08/2021	26.3	30.7	26/09/2021	27.9	30.3
27/08/2021	22.9	29.2	27/09/2021	28.2	31.1
28/08/2021	24.1	30.1	28/09/2021	27.6	31.3
29/08/2021	24.1	29.5	29/09/2021	27.9	33.2
30/08/2021	26.8	31.1	30/09/2021	28.2	33.1
31/08/2021	25.1	29.5			

NOTE1: The above weather information was obtained from manned weather station of Kai Tak Runway Park.

https://i-lens.hk/hkweather/history_chart.php?date=2021-08-01&chart_type=DG_TEMP

NOTE1: The above weather information was obtained from manned weather station of Kai Tak Runway Park.

https://i-lens.hk/hkweather/history_chart.php?date=2021-09-01&chart_type=DG_TEMP

Kai Tak Runway Park Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)
01/10/2021	28.6	34.0
02/10/2021	27.8	32.5
03/10/2021	26.8	29.4
04/10/2021	28.2	31.1
05/10/2021	28.1	31.0
06/10/2021	27.9	30.9
07/10/2021	24.5	30.5
08/10/2021	24.6	27.6
09/10/2021	25.2	28.5
10/10/2021	25.9	28.6
11/10/2021	26.1	33.0
12/10/2021	23.5	27.0
13/10/2021	23.1	28.1
14/10/2021	26.5	29.3
15/10/2021	25.3	27.6
16/10/2021	24.4	30.4
17/10/2021	22.5	26.6
18/10/2021	21.1	26.9
19/10/2021	23.3	27.6
20/10/2021	25.1	28.7
21/10/2021	19.2	28.6
22/10/2021	17.7	20.8
23/10/2021	18.2	23.1
24/10/2021	19.7	26.2
25/10/2021	19.2	27.1
26/10/2021	22.8	27.7
27/10/2021	25.0	26.7
28/10/2021	23.7	26.9
29/10/2021	24.6	26.5
30/10/2021	23.2	25.9
31/10/2021	23.3	25.6

NOTE1: The above weather information was obtained from manned weather station of Kai Tak Runway Park.

https://i-lens.hk/hkweather/history_chart.php?date=2021-10-01&chart_type=DG_TEMP

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
01/08/2021	0:00	0.9	112.5	02/08/2021	0:00	0.9	112.5	03/08/2021	0:00	2.2	67.5	04/08/2021	0:00	1.3	45
01/08/2021	1:00	1.3	112.5	02/08/2021	1:00	0.9	112.5	03/08/2021	1:00	2.2	112.5	04/08/2021	1:00	1.3	67.5
01/08/2021	2:00	1.8	90	02/08/2021	2:00	0.9	112.5	03/08/2021	2:00	2.2	112.5	04/08/2021	2:00	0.9	45
01/08/2021	3:00	2.2	112.5	02/08/2021	3:00	1.3	112.5	03/08/2021	3:00	2.2	90	04/08/2021	3:00	1.3	0
01/08/2021	4:00	1.8	112.5	02/08/2021	4:00	1.3	90	03/08/2021	4:00	2.2	112.5	04/08/2021	4:00	0.4	135
01/08/2021	5:00	1.8	90	02/08/2021	5:00	1.3	90	03/08/2021	5:00	1.3	112.5	04/08/2021	5:00	1.3	90
01/08/2021	6:00	0.9	112.5	02/08/2021	6:00	0.9	112.5	03/08/2021	6:00	0.9	112.5	04/08/2021	6:00	0.4	90
01/08/2021	7:00	0.9	45	02/08/2021	7:00	0.9	90	03/08/2021	7:00	0.9	112.5	04/08/2021	7:00	1.3	112.5
01/08/2021	8:00	0.9	135	02/08/2021	8:00	1.3	112.5	03/08/2021	8:00	0.4	112.5	04/08/2021	8:00	0.9	135
01/08/2021	9:00	0.9	270	02/08/2021	9:00	0.9	112.5	03/08/2021	9:00	0.4	112.5	04/08/2021	9:00	0.9	45
01/08/2021	10:00	0.4	135	02/08/2021	10:00	0	112.5	03/08/2021	10:00	0.4	112.5	04/08/2021	10:00	0.4	90
01/08/2021	11:00	0.4	225	02/08/2021	11:00	0	90	03/08/2021	11:00	0.9	90	04/08/2021	11:00	0.9	135
01/08/2021	12:00	1.3	45	02/08/2021	12:00	0.4	202.5	03/08/2021	12:00	0.4	112.5	04/08/2021	12:00	0.4	22.5
01/08/2021	13:00	1.3	157.5	02/08/2021	13:00	1.3	45	03/08/2021	13:00	0.4	112.5	04/08/2021	13:00	1.3	45
01/08/2021	14:00	0.9	112.5	02/08/2021	14:00	1.3	337.5	03/08/2021	14:00	0	112.5	04/08/2021	14:00	1.3	67.5
01/08/2021	15:00	0.9	247.5	02/08/2021	15:00	2.2	67.5	03/08/2021	15:00	0.9	112.5	04/08/2021	15:00	0.9	112.5
01/08/2021	16:00	1.3	112.5	02/08/2021	16:00	2.7	67.5	03/08/2021	16:00	0.9	112.5	04/08/2021	16:00	0.9	112.5
01/08/2021	17:00	0.9	45	02/08/2021	17:00	2.7	0	03/08/2021	17:00	0.9	135	04/08/2021	17:00	0.4	112.5
01/08/2021	18:00	0.9	22.5	02/08/2021	18:00	2.7	90	03/08/2021	18:00	0.9	112.5	04/08/2021	18:00	0.4	112.5
01/08/2021	19:00	0.9	90	02/08/2021	19:00	2.7	67.5	03/08/2021	19:00	0.4	112.5	04/08/2021	19:00	0.4	112.5
01/08/2021	20:00	0.4	247.5	02/08/2021	20:00	3.6	45	03/08/2021	20:00	0.4	90	04/08/2021	20:00	0.9	90
01/08/2021	21:00	0.9	112.5	02/08/2021	21:00	4	67.5	03/08/2021	21:00	0.4	90	04/08/2021	21:00	0.4	112.5
01/08/2021	22:00	1.3	67.5	02/08/2021	22:00	4.5	90	03/08/2021	22:00	0.9	112.5	04/08/2021	22:00	0.4	112.5
01/08/2021	23:00	0.9	180	02/08/2021	23:00	1.3	45	03/08/2021	23:00	0.9	112.5	04/08/2021	23:00	0	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
05/08/2021	0:00	0.9	90	06/08/2021	0:00	1.3	90	07/08/2021	0:00	0.4	135	08/08/2021	0:00	0.4	135
05/08/2021	1:00	0.9	112.5	06/08/2021	1:00	0.9	270	07/08/2021	1:00	0.9	135	08/08/2021	1:00	0.4	135
05/08/2021	2:00	0.9	90	06/08/2021	2:00	0.9	315	07/08/2021	2:00	1.3	135	08/08/2021	2:00	0.9	135
05/08/2021	3:00	0.9	90	06/08/2021	3:00	1.8	67.5	07/08/2021	3:00	1.3	112.5	08/08/2021	3:00	1.3	135
05/08/2021	4:00	0.9	90	06/08/2021	4:00	1.3	112.5	07/08/2021	4:00	1.8	112.5	08/08/2021	4:00	1.3	112.5
05/08/2021	5:00	1.3	112.5	06/08/2021	5:00	0.9	90	07/08/2021	5:00	1.8	112.5	08/08/2021	5:00	1.8	112.5
05/08/2021	6:00	1.3	112.5	06/08/2021	6:00	0.9	337.5	07/08/2021	6:00	1.3	135	08/08/2021	6:00	1.8	112.5
05/08/2021	7:00	0.9	135	06/08/2021	7:00	0.9	0	07/08/2021	7:00	1.8	112.5	08/08/2021	7:00	1.3	135
05/08/2021	8:00	1.8	112.5	06/08/2021	8:00	1.3	22.5	07/08/2021	8:00	2.2	112.5	08/08/2021	8:00	1.8	112.5
05/08/2021	9:00	0.4	112.5	06/08/2021	9:00	0.9	90	07/08/2021	9:00	1.8	112.5	08/08/2021	9:00	2.2	112.5
05/08/2021	10:00	0.9	112.5	06/08/2021	10:00	0.9	67.5	07/08/2021	10:00	1.3	112.5	08/08/2021	10:00	1.8	112.5
05/08/2021	11:00	0.9	337.5	06/08/2021	11:00	1.3	112.5	07/08/2021	11:00	1.8	90	08/08/2021	11:00	1.3	112.5
05/08/2021	12:00	1.3	0	06/08/2021	12:00	0.9	90	07/08/2021	12:00	1.8	90	08/08/2021	12:00	0.9	112.5
05/08/2021	13:00	0.9	202.5	06/08/2021	13:00	1.3	112.5	07/08/2021	13:00	1.3	0	08/08/2021	13:00	0.9	135
05/08/2021	14:00	0.9	22.5	06/08/2021	14:00	0.9	112.5	07/08/2021	14:00	0.9	270	08/08/2021	14:00	0.4	292.5
05/08/2021	15:00	1.3	337.5	06/08/2021	15:00	1.8	112.5	07/08/2021	15:00	0.9	112.5	08/08/2021	15:00	0.4	90
05/08/2021	16:00	0.9	112.5	06/08/2021	16:00	2.2	90	07/08/2021	16:00	0.9	90	08/08/2021	16:00	1.3	337.5
05/08/2021	17:00	0.9	112.5	06/08/2021	17:00	2.7	90	07/08/2021	17:00	0.9	112.5	08/08/2021	17:00	0.4	270
05/08/2021	18:00	1.3	67.5	06/08/2021	18:00	2.7	112.5	07/08/2021	18:00	0.9	112.5	08/08/2021	18:00	0.9	157.5
05/08/2021	19:00	0.9	45	06/08/2021	19:00	1.3	67.5	07/08/2021	19:00	0.9	90	08/08/2021	19:00	1.3	45
05/08/2021	20:00	0.9	90	06/08/2021	20:00	2.7	90	07/08/2021	20:00	0.4	135	08/08/2021	20:00	1.3	45
05/08/2021	21:00	1.3	90	06/08/2021	21:00	2.2	90	07/08/2021	21:00	0.9	112.5	08/08/2021	21:00	1.8	45
05/08/2021	22:00	0.4	90	06/08/2021	22:00	2.2	90	07/08/2021	22:00	1.8	90	08/08/2021	22:00	0.9	315
05/08/2021	23:00	0	112.5	06/08/2021	23:00	0.9	0	07/08/2021	23:00	1.8	90	08/08/2021	23:00	0.9	45

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
09/08/2021	0:00	1.3	90	10/08/2021	0:00	1.8	67.5	11/08/2021	0:00	1.8	90	12/08/2021	0:00	1.3	135
09/08/2021	1:00	1.3	112.5	10/08/2021	1:00	1.3	112.5	11/08/2021	1:00	1.3	45	12/08/2021	1:00	1.8	45
09/08/2021	2:00	0.9	45	10/08/2021	2:00	0.9	90	11/08/2021	2:00	2.2	22.5	12/08/2021	2:00	0.9	112.5
09/08/2021	3:00	1.3	45	10/08/2021	3:00	0.9	337.5	11/08/2021	3:00	1.8	67.5	12/08/2021	3:00	0.9	112.5
09/08/2021	4:00	2.2	90	10/08/2021	4:00	0.9	0	11/08/2021	4:00	1.8	22.5	12/08/2021	4:00	0.9	112.5
09/08/2021	5:00	1.8	90	10/08/2021	5:00	1.3	22.5	11/08/2021	5:00	1.3	67.5	12/08/2021	5:00	0.9	45
09/08/2021	6:00	1.8	90	10/08/2021	6:00	0.9	90	11/08/2021	6:00	1.8	67.5	12/08/2021	6:00	1.3	67.5
09/08/2021	7:00	1.8	90	10/08/2021	7:00	0.9	67.5	11/08/2021	7:00	1.3	90	12/08/2021	7:00	0.9	90
09/08/2021	8:00	2.2	90	10/08/2021	8:00	1.3	337.5	11/08/2021	8:00	1.3	90	12/08/2021	8:00	0.9	67.5
09/08/2021	9:00	1.3	90	10/08/2021	9:00	0.9	112.5	11/08/2021	9:00	1.3	90	12/08/2021	9:00	0.9	90
09/08/2021	10:00	2.7	90	10/08/2021	10:00	0.9	112.5	11/08/2021	10:00	1.8	67.5	12/08/2021	10:00	0.9	90
09/08/2021	11:00	1.8	45	10/08/2021	11:00	1.3	67.5	11/08/2021	11:00	2.2	112.5	12/08/2021	11:00	1.3	135
09/08/2021	12:00	2.2	45	10/08/2021	12:00	0.9	45	11/08/2021	12:00	1.3	112.5	12/08/2021	12:00	1.3	90
09/08/2021	13:00	2.2	45	10/08/2021	13:00	0.9	90	11/08/2021	13:00	1.3	90	12/08/2021	13:00	1.8	90
09/08/2021	14:00	1.3	45	10/08/2021	14:00	1.3	90	11/08/2021	14:00	1.3	112.5	12/08/2021	14:00	1.3	45
09/08/2021	15:00	1.3	90	10/08/2021	15:00	0.4	90	11/08/2021	15:00	1.3	112.5	12/08/2021	15:00	1.8	112.5
09/08/2021	16:00	1.8	112.5	10/08/2021	16:00	0	112.5	11/08/2021	16:00	2.2	112.5	12/08/2021	16:00	1.3	90
09/08/2021	17:00	1.8	45	10/08/2021	17:00	0.9	112.5	11/08/2021	17:00	1.8	90	12/08/2021	17:00	2.2	90
09/08/2021	18:00	1.3	0	10/08/2021	18:00	0.4	67.5	11/08/2021	18:00	1.3	90	12/08/2021	18:00	1.3	0
09/08/2021	19:00	0.9	45	10/08/2021	19:00	0.4	22.5	11/08/2021	19:00	0.9	67.5	12/08/2021	19:00	1.8	90
09/08/2021	20:00	1.3	45	10/08/2021	20:00	1.3	337.5	11/08/2021	20:00	0.9	90	12/08/2021	20:00	1.3	90
09/08/2021	21:00	0.9	90	10/08/2021	21:00	0.9	112.5	11/08/2021	21:00	0.9	90	12/08/2021	21:00	1.3	112.5
09/08/2021	22:00	1.3	90	10/08/2021	22:00	0.9	112.5	11/08/2021	22:00	0.9	90	12/08/2021	22:00	0.9	90
09/08/2021	23:00	0.4	112.5	10/08/2021	23:00	1.3	67.5	11/08/2021	23:00	1.3	90	12/08/2021	23:00	1.8	270

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
13/08/2021	0:00	0.4	135	14/08/2021	0:00	0.4	112.5	15/08/2021	0:00	1.3	45	16/08/2021	0:00	0.4	0
13/08/2021	1:00	0.4	90	14/08/2021	1:00	1.3	90	15/08/2021	1:00	1.8	45	16/08/2021	1:00	0.9	225
13/08/2021	2:00	0.9	135	14/08/2021	2:00	0.4	112.5	15/08/2021	2:00	1.8	67.5	16/08/2021	2:00	0	112.5
13/08/2021	3:00	0.4	112.5	14/08/2021	3:00	1.3	112.5	15/08/2021	3:00	2.2	22.5	16/08/2021	3:00	0.4	112.5
13/08/2021	4:00	1.8	45	14/08/2021	4:00	0.9	135	15/08/2021	4:00	2.2	67.5	16/08/2021	4:00	0.4	180
13/08/2021	5:00	1.3	112.5	14/08/2021	5:00	0.9	135	15/08/2021	5:00	1.8	67.5	16/08/2021	5:00	0.4	157.5
13/08/2021	6:00	1.8	67.5	14/08/2021	6:00	1.8	112.5	15/08/2021	6:00	1.3	90	16/08/2021	6:00	0.4	180
13/08/2021	7:00	0.9	112.5	14/08/2021	7:00	1.3	90	15/08/2021	7:00	1.3	90	16/08/2021	7:00	1.3	270
13/08/2021	8:00	1.3	90	14/08/2021	8:00	0.9	112.5	15/08/2021	8:00	1.8	112.5	16/08/2021	8:00	1.3	247.5
13/08/2021	9:00	1.3	90	14/08/2021	9:00	0.9	112.5	15/08/2021	9:00	0.9	90	16/08/2021	9:00	1.3	112.5
13/08/2021	10:00	0.9	112.5	14/08/2021	10:00	1.3	90	15/08/2021	10:00	1.8	90	16/08/2021	10:00	0.4	67.5
13/08/2021	11:00	0.9	90	14/08/2021	11:00	0.9	112.5	15/08/2021	11:00	2.2	112.5	16/08/2021	11:00	0.4	135
13/08/2021	12:00	0.4	135	14/08/2021	12:00	1.3	112.5	15/08/2021	12:00	1.8	112.5	16/08/2021	12:00	0.9	45
13/08/2021	13:00	0.4	90	14/08/2021	13:00	0.9	112.5	15/08/2021	13:00	1.3	135	16/08/2021	13:00	0.9	67.5
13/08/2021	14:00	0.9	135	14/08/2021	14:00	1.3	135	15/08/2021	14:00	0.9	112.5	16/08/2021	14:00	1.8	22.5
13/08/2021	15:00	1.3	90	14/08/2021	15:00	1.3	67.5	15/08/2021	15:00	1.3	112.5	16/08/2021	15:00	0.4	90
13/08/2021	16:00	1.3	67.5	14/08/2021	16:00	1.3	67.5	15/08/2021	16:00	0.4	112.5	16/08/2021	16:00	0.4	112.5
13/08/2021	17:00	0.9	22.5	14/08/2021	17:00	1.8	22.5	15/08/2021	17:00	1.3	112.5	16/08/2021	17:00	1.3	112.5
13/08/2021	18:00	1.3	270	14/08/2021	18:00	1.3	22.5	15/08/2021	18:00	1.3	90	16/08/2021	18:00	1.8	112.5
13/08/2021	19:00	1.8	67.5	14/08/2021	19:00	0.9	45	15/08/2021	19:00	1.3	112.5	16/08/2021	19:00	0.9	112.5
13/08/2021	20:00	1.8	67.5	14/08/2021	20:00	0.9	90	15/08/2021	20:00	1.3	112.5	16/08/2021	20:00	0.9	112.5
13/08/2021	21:00	1.3	45	14/08/2021	21:00	0.4	112.5	15/08/2021	21:00	2.2	112.5	16/08/2021	21:00	0.9	247.5
13/08/2021	22:00	1.8	67.5	14/08/2021	22:00	0.4	112.5	15/08/2021	22:00	1.8	90	16/08/2021	22:00	0	157.5
13/08/2021	23:00	1.8	90	14/08/2021	23:00	1.3	112.5	15/08/2021	23:00	1.3	90	16/08/2021	23:00	0	157.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
17/08/2021	0:00	1.8	90	18/08/2021	0:00	0.4	225	19/08/2021	0:00	0.4	225	20/08/2021	0:00	0.4	112.5
17/08/2021	1:00	1.8	67.5	18/08/2021	1:00	0.4	202.5	19/08/2021	1:00	0.4	202.5	20/08/2021	1:00	0.4	112.5
17/08/2021	2:00	1.8	67.5	18/08/2021	2:00	0.4	225	19/08/2021	2:00	0	202.5	20/08/2021	2:00	0.4	112.5
17/08/2021	3:00	1.8	45	18/08/2021	3:00	0	225	19/08/2021	3:00	0.4	112.5	20/08/2021	3:00	0	112.5
17/08/2021	4:00	0.9	337.5	18/08/2021	4:00	0	225	19/08/2021	4:00	0	112.5	20/08/2021	4:00	0	112.5
17/08/2021	5:00	0.9	112.5	18/08/2021	5:00	0.9	247.5	19/08/2021	5:00	0.4	112.5	20/08/2021	5:00	0	112.5
17/08/2021	6:00	1.8	112.5	18/08/2021	6:00	0.4	270	19/08/2021	6:00	0.4	112.5	20/08/2021	6:00	0.4	112.5
17/08/2021	7:00	1.8	90	18/08/2021	7:00	0	180	19/08/2021	7:00	0.4	112.5	20/08/2021	7:00	0.4	112.5
17/08/2021	8:00	1.8	90	18/08/2021	8:00	0.4	270	19/08/2021	8:00	1.3	112.5	20/08/2021	8:00	1.3	112.5
17/08/2021	9:00	1.8	90	18/08/2021	9:00	0.4	157.5	19/08/2021	9:00	1.3	112.5	20/08/2021	9:00	1.3	112.5
17/08/2021	10:00	1.8	112.5	18/08/2021	10:00	0.4	202.5	19/08/2021	10:00	2.2	90	20/08/2021	10:00	1.3	112.5
17/08/2021	11:00	1.8	112.5	18/08/2021	11:00	0.9	270	19/08/2021	11:00	1.3	90	20/08/2021	11:00	1.3	135
17/08/2021	12:00	1.3	112.5	18/08/2021	12:00	1.8	225	19/08/2021	12:00	1.3	90	20/08/2021	12:00	1.3	90
17/08/2021	13:00	0.4	90	18/08/2021	13:00	0.4	225	19/08/2021	13:00	1.3	90	20/08/2021	13:00	0.9	112.5
17/08/2021	14:00	0.9	45	18/08/2021	14:00	1.3	0	19/08/2021	14:00	1.3	112.5	20/08/2021	14:00	0.9	112.5
17/08/2021	15:00	0.9	90	18/08/2021	15:00	1.8	45	19/08/2021	15:00	0.9	112.5	20/08/2021	15:00	0.4	112.5
17/08/2021	16:00	0.9	90	18/08/2021	16:00	2.2	67.5	19/08/2021	16:00	0.4	225	20/08/2021	16:00	1.8	90
17/08/2021	17:00	1.8	45	18/08/2021	17:00	2.2	67.5	19/08/2021	17:00	1.8	67.5	20/08/2021	17:00	0.9	90
17/08/2021	18:00	1.3	0	18/08/2021	18:00	2.2	45	19/08/2021	18:00	1.3	225	20/08/2021	18:00	0.9	202.5
17/08/2021	19:00	0.9	112.5	18/08/2021	19:00	1.3	67.5	19/08/2021	19:00	1.3	112.4	20/08/2021	19:00	0.9	112.5
17/08/2021	20:00	2.2	90	18/08/2021	20:00	1.8	67.5	19/08/2021	20:00	0.9	90	20/08/2021	20:00	0.9	0
17/08/2021	21:00	1.8	90	18/08/2021	21:00	1.8	45	19/08/2021	21:00	0.9	90	20/08/2021	21:00	1.3	112.5
17/08/2021	22:00	1.3	90	18/08/2021	22:00	1.3	45	19/08/2021	22:00	1.3	112.5	20/08/2021	22:00	1.3	247.5
17/08/2021	23:00	0.9	337.5	18/08/2021	23:00	1.3	315	19/08/2021	23:00	1.8	90	20/08/2021	23:00	1.8	337.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
21/08/2021	0:00	0.4	67.5	22/08/2021	0:00	1.3	22.5	23/08/2021	0:00	0.4	45	24/08/2021	0:00	0.4	90
21/08/2021	1:00	0.4	67.5	22/08/2021	1:00	1.3	135	23/08/2021	1:00	0.4	112.5	24/08/2021	1:00	0	45
21/08/2021	2:00	0.4	22.5	22/08/2021	2:00	0.9	22.5	23/08/2021	2:00	0.9	112.5	24/08/2021	2:00	0	112.5
21/08/2021	3:00	0.9	22.5	22/08/2021	3:00	1.3	22.5	23/08/2021	3:00	0.4	112.5	24/08/2021	3:00	0	225
21/08/2021	4:00	0.9	22.5	22/08/2021	4:00	0.9	112.5	23/08/2021	4:00	0.9	112.5	24/08/2021	4:00	0.4	292.5
21/08/2021	5:00	0.4	292.5	22/08/2021	5:00	0.4	22.5	23/08/2021	5:00	1.3	112.5	24/08/2021	5:00	0	225
21/08/2021	6:00	0.4	90	22/08/2021	6:00	1.3	22.5	23/08/2021	6:00	0.4	90	24/08/2021	6:00	0.4	67.5
21/08/2021	7:00	0.9	337.5	22/08/2021	7:00	0.9	112.5	23/08/2021	7:00	0.9	112.5	24/08/2021	7:00	0.4	22.5
21/08/2021	8:00	1.3	337.5	22/08/2021	8:00	1.3	22.5	23/08/2021	8:00	0.9	67.5	24/08/2021	8:00	0.9	247.5
21/08/2021	9:00	1.8	0	22/08/2021	9:00	0.4	157.5	23/08/2021	9:00	0.9	112.5	24/08/2021	9:00	0.4	135
21/08/2021	10:00	0.9	22.5	22/08/2021	10:00	1.3	270	23/08/2021	10:00	1.8	112.5	24/08/2021	10:00	1.3	112.5
21/08/2021	11:00	1.3	67.5	22/08/2021	11:00	0.9	0	23/08/2021	11:00	1.3	112.5	24/08/2021	11:00	0.9	112.5
21/08/2021	12:00	0.9	0	22/08/2021	12:00	0.9	0	23/08/2021	12:00	1.3	90	24/08/2021	12:00	0.9	112.5
21/08/2021	13:00	0.9	112.5	22/08/2021	13:00	1.3	22.5	23/08/2021	13:00	0.4	135	24/08/2021	13:00	0.4	45
21/08/2021	14:00	0.4	0	22/08/2021	14:00	0.9	135	23/08/2021	14:00	0.4	112.5	24/08/2021	14:00	0	247.5
21/08/2021	15:00	0.4	67.5	22/08/2021	15:00	0.4	180	23/08/2021	15:00	0.4	67.5	24/08/2021	15:00	0.4	67.5
21/08/2021	16:00	0.4	67.5	22/08/2021	16:00	0.4	135	23/08/2021	16:00	0.4	22.5	24/08/2021	16:00	0.9	112.5
21/08/2021	17:00	0.4	22.5	22/08/2021	17:00	0.9	112.5	23/08/2021	17:00	0.9	22.5	24/08/2021	17:00	0.4	315
21/08/2021	18:00	0.9	90	22/08/2021	18:00	0.4	112.5	23/08/2021	18:00	0.9	22.5	24/08/2021	18:00	0.9	112.5
21/08/2021	19:00	1.3	90	22/08/2021	19:00	0.4	90	23/08/2021	19:00	0.4	292.5	24/08/2021	19:00	1.3	90
21/08/2021	20:00	1.3	112.5	22/08/2021	20:00	1.3	112.5	23/08/2021	20:00	0.4	90	24/08/2021	20:00	0.9	112.5
21/08/2021	21:00	1.8	67.5	22/08/2021	21:00	0.9	112.5	23/08/2021	21:00	0.9	337.5	24/08/2021	21:00	1.3	112.5
21/08/2021	22:00	1.8	112.5	22/08/2021	22:00	1.8	112.5	23/08/2021	22:00	1.3	337.5	24/08/2021	22:00	1.8	112.5
21/08/2021	23:00	0.9	112.5	22/08/2021	23:00	1.3	90	23/08/2021	23:00	1.8	0	24/08/2021	23:00	1.8	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
25/08/2021	0:00	0.4	247.5	26/08/2021	0:00	0.4	112.5	27/08/2021	0:00	0.9	112.5	28/08/2021	0:00	0.4	337.5
25/08/2021	1:00	0.4	247.5	26/08/2021	1:00	0	112.5	27/08/2021	1:00	0.9	112.5	28/08/2021	1:00	0.9	112.5
25/08/2021	2:00	0.4	247.5	26/08/2021	2:00	0	112.5	27/08/2021	2:00	0.9	112.5	28/08/2021	2:00	0.4	45
25/08/2021	3:00	0.4	247.5	26/08/2021	3:00	0	112.5	27/08/2021	3:00	1.3	135	28/08/2021	3:00	0.4	135
25/08/2021	4:00	0.4	247.5	26/08/2021	4:00	0	135	27/08/2021	4:00	1.3	135	28/08/2021	4:00	0.4	112.5
25/08/2021	5:00	0.9	225	26/08/2021	5:00	0	270	27/08/2021	5:00	0.9	67.5	28/08/2021	5:00	0.4	135
25/08/2021	6:00	0.9	202.5	26/08/2021	6:00	0.4	135	27/08/2021	6:00	1.3	45	28/08/2021	6:00	0.4	112.5
25/08/2021	7:00	0.9	180	26/08/2021	7:00	0.4	112.5	27/08/2021	7:00	0.9	67.5	28/08/2021	7:00	1.3	112.5
25/08/2021	8:00	0.9	225	26/08/2021	8:00	1.3	112.5	27/08/2021	8:00	1.3	67.5	28/08/2021	8:00	1.3	90
25/08/2021	9:00	0.4	202.5	26/08/2021	9:00	1.3	112.5	27/08/2021	9:00	1.8	90	28/08/2021	9:00	1.3	112.5
25/08/2021	10:00	0.4	157.5	26/08/2021	10:00	1.8	112.5	27/08/2021	10:00	1.3	112.5	28/08/2021	10:00	1.8	90
25/08/2021	11:00	0.9	225	26/08/2021	11:00	1.3	90	27/08/2021	11:00	1.3	45	28/08/2021	11:00	1.8	90
25/08/2021	12:00	1.3	247.5	26/08/2021	12:00	0.9	90	27/08/2021	12:00	0.9	90	28/08/2021	12:00	1.3	90
25/08/2021	13:00	1.3	247.5	26/08/2021	13:00	1.3	112.5	27/08/2021	13:00	0.9	112.5	28/08/2021	13:00	0.9	112.5
25/08/2021	14:00	0.4	112.5	26/08/2021	14:00	1.3	112.5	27/08/2021	14:00	0.9	112.5	28/08/2021	14:00	1.3	90
25/08/2021	15:00	1.8	90	26/08/2021	15:00	0	112.5	27/08/2021	15:00	0.4	112.5	28/08/2021	15:00	0.4	292.5
25/08/2021	16:00	0.4	112.5	26/08/2021	16:00	0	270	27/08/2021	16:00	0.9	112.5	28/08/2021	16:00	0.9	22.5
25/08/2021	17:00	0.9	112.5	26/08/2021	17:00	0.4	112.5	27/08/2021	17:00	0.4	112.5	28/08/2021	17:00	0.4	22.5
25/08/2021	18:00	1.3	112.5	26/08/2021	18:00	0.4	112.5	27/08/2021	18:00	0.4	112.5	28/08/2021	18:00	1.3	45
25/08/2021	19:00	0.9	112.5	26/08/2021	19:00	0	112.5	27/08/2021	19:00	0.4	112.5	28/08/2021	19:00	0.9	22.5
25/08/2021	20:00	0.9	90	26/08/2021	20:00	0.9	112.5	27/08/2021	20:00	0	135	28/08/2021	20:00	0.4	22.5
25/08/2021	21:00	1.3	90	26/08/2021	21:00	1.8	90	27/08/2021	21:00	0	135	28/08/2021	21:00	0.9	45
25/08/2021	22:00	0.9	112.5	26/08/2021	22:00	1.8	90	27/08/2021	22:00	0	135	28/08/2021	22:00	0.9	337.5
25/08/2021	23:00	0.9	112.5	26/08/2021	23:00	3.1	112.5	27/08/2021	23:00	0	135	28/08/2021	23:00	1.3	270

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
29/08/2021	0:00	0.9	67.5	30/08/2021	0:00	0.9	112.5	31/08/2021	0:00	0.4	135				
29/08/2021	1:00	0.9	67.5	30/08/2021	1:00	0.9	112.5	31/08/2021	1:00	0.4	135				
29/08/2021	2:00	0.4	112.5	30/08/2021	2:00	0.9	112.5	31/08/2021	2:00	0.4	202.5				
29/08/2021	3:00	0.4	112.5	30/08/2021	3:00	0.9	67.5	31/08/2021	3:00	0.4	247.5				
29/08/2021	4:00	0.4	112.5	30/08/2021	4:00	0.9	112.5	31/08/2021	4:00	0.9	157.5				
29/08/2021	5:00	0.9	45	30/08/2021	5:00	0.4	112.5	31/08/2021	5:00	0.9	157.5				
29/08/2021	6:00	0.4	67.5	30/08/2021	6:00	1.8	90	31/08/2021	6:00	0.4	135				
29/08/2021	7:00	0.9	67.5	30/08/2021	7:00	0.4	112.5	31/08/2021	7:00	0.9	247.5				
29/08/2021	8:00	0.9	90	30/08/2021	8:00	0.9	112.5	31/08/2021	8:00	0.4	225				
29/08/2021	9:00	0.9	67.5	30/08/2021	9:00	1.3	112.5	31/08/2021	9:00	0.4	157.5				
29/08/2021	10:00	0.9	67.5	30/08/2021	10:00	0.9	112.5	31/08/2021	10:00	0.9	135				
29/08/2021	11:00	0.9	135	30/08/2021	11:00	0.9	90	31/08/2021	11:00	1.3	292.5				
29/08/2021	12:00	0.9	112.5	30/08/2021	12:00	1.3	90	31/08/2021	12:00	1.3	135				
29/08/2021	13:00	0.4	90	30/08/2021	13:00	0.9	112.5	31/08/2021	13:00	0.9	112.5				
29/08/2021	14:00	0.4	225	30/08/2021	14:00	1.3	135	31/08/2021	14:00	0.9	112.5				
29/08/2021	15:00	1.3	225	30/08/2021	15:00	1.3	135	31/08/2021	15:00	0.9	112.5				
29/08/2021	16:00	0.9	270	30/08/2021	16:00	0.9	67.5	31/08/2021	16:00	0.9	112.5				
29/08/2021	17:00	1.3	247.5	30/08/2021	17:00	1.3	45	31/08/2021	17:00	0.9	90				
29/08/2021	18:00	0.9	247.5	30/08/2021	18:00	0.9	67.5	31/08/2021	18:00	1.3	112.5				
29/08/2021	19:00	1.3	247.5	30/08/2021	19:00	1.3	67.5	31/08/2021	19:00	1.3	112.5				
29/08/2021	20:00	0.9	270	30/08/2021	20:00	1.8	90	31/08/2021	20:00	1.3	112.5				
29/08/2021	21:00	1.8	270	30/08/2021	21:00	1.3	112.5	31/08/2021	21:00	0.4	112.5				
29/08/2021	22:00	0.9	112.5	30/08/2021	22:00	1.3	45	31/08/2021	22:00	0.4	90				
29/08/2021	23:00	1.8	112.5	30/08/2021	23:00	0.9	90	31/08/2021	23:00	0	157.5				

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
01/09/2021	0:00	1.8	22.5	02/09/2021	0:00	0.4	90	03/09/2021	0:00	0.9	112.5	04/09/2021	0:00	0.9	112.5
01/09/2021	1:00	1.8	67.5	02/09/2021	1:00	0.9	90	03/09/2021	1:00	0.9	112.5	04/09/2021	1:00	0.9	135
01/09/2021	2:00	0.9	45	02/09/2021	2:00	0.9	112.5	03/09/2021	2:00	0.9	112.5	04/09/2021	2:00	0.9	112.5
01/09/2021	3:00	1.3	112.5	02/09/2021	3:00	0.9	112.5	03/09/2021	3:00	1.3	112.5	04/09/2021	3:00	0.4	112.5
01/09/2021	4:00	1.8	90	02/09/2021	4:00	0.9	112.5	03/09/2021	4:00	1.3	135	04/09/2021	4:00	0.4	112.5
01/09/2021	5:00	0.9	67.5	02/09/2021	5:00	0.9	112.5	03/09/2021	5:00	0.9	112.5	04/09/2021	5:00	0.9	90
01/09/2021	6:00	1.3	112.5	02/09/2021	6:00	1.3	112.5	03/09/2021	6:00	0.9	112.5	04/09/2021	6:00	0.4	112.5
01/09/2021	7:00	1.3	112.5	02/09/2021	7:00	1.3	112.5	03/09/2021	7:00	0.9	112.5	04/09/2021	7:00	0.9	112.5
01/09/2021	8:00	1.3	112.5	02/09/2021	8:00	1.3	112.5	03/09/2021	8:00	0.9	112.5	04/09/2021	8:00	0.4	112.5
01/09/2021	9:00	1.8	67.5	02/09/2021	9:00	1.3	112.5	03/09/2021	9:00	0.9	112.5	04/09/2021	9:00	0.4	112.5
01/09/2021	10:00	1.3	90	02/09/2021	10:00	1.3	112.5	03/09/2021	10:00	0.4	112.5	04/09/2021	10:00	0.4	135
01/09/2021	11:00	0.9	45	02/09/2021	11:00	0.9	112.5	03/09/2021	11:00	0.4	112.5	04/09/2021	11:00	0.4	112.5
01/09/2021	12:00	1.3	90	02/09/2021	12:00	0.9	112.5	03/09/2021	12:00	0.9	135	04/09/2021	12:00	0.4	247.5
01/09/2021	13:00	0.9	112.5	02/09/2021	13:00	1.8	90	03/09/2021	13:00	0.4	135	04/09/2021	13:00	0.4	247.5
01/09/2021	14:00	0.9	90	02/09/2021	14:00	1.3	67.5	03/09/2021	14:00	0.9	112.5	04/09/2021	14:00	0.4	247.5
01/09/2021	15:00	1.3	90	02/09/2021	15:00	0.4	45	03/09/2021	15:00	0.4	135	04/09/2021	15:00	0.4	135
01/09/2021	16:00	0.9	135	02/09/2021	16:00	0.4	135	03/09/2021	16:00	0.4	112.5	04/09/2021	16:00	0.9	157.5
01/09/2021	17:00	1.3	112.5	02/09/2021	17:00	0.4	90	03/09/2021	17:00	0.4	112.5	04/09/2021	17:00	0.9	112.5
01/09/2021	18:00	1.8	67.5	02/09/2021	18:00	0.4	112.5	03/09/2021	18:00	0.4	112.5	04/09/2021	18:00	1.3	112.5
01/09/2021	19:00	1.8	67.5	02/09/2021	19:00	1.3	112.5	03/09/2021	19:00	0.4	135	04/09/2021	19:00	1.3	112.5
01/09/2021	20:00	1.8	112.5	02/09/2021	20:00	1.3	112.5	03/09/2021	20:00	0.4	90	04/09/2021	20:00	1.3	112.5
01/09/2021	21:00	1.8	112.5	02/09/2021	21:00	0.9	112.5	03/09/2021	21:00	0.9	112.5	04/09/2021	21:00	1.3	112.5
01/09/2021	22:00	1.8	90	02/09/2021	22:00	1.3	112.5	03/09/2021	22:00	0.9	90	04/09/2021	22:00	1.3	112.5
01/09/2021	23:00	0.9	112.5	02/09/2021	23:00	0.9	90	03/09/2021	23:00	0.9	112.5	04/09/2021	23:00	0.9	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
05/09/2021	0:00	0.9	112.5	06/09/2021	0:00	0.4	135	07/09/2021	0:00	1.3	270	08/09/2021	0:00	0.9	135
05/09/2021	1:00	1.3	112.5	06/09/2021	1:00	0.4	135	07/09/2021	1:00	1.3	67.5	08/09/2021	1:00	0.9	112.5
05/09/2021	2:00	1.8	112.5	06/09/2021	2:00	0.4	22.5	07/09/2021	2:00	1.3	157.5	08/09/2021	2:00	1.3	112.5
05/09/2021	3:00	0.9	112.5	06/09/2021	3:00	0.9	22.5	07/09/2021	3:00	1.8	22.5	08/09/2021	3:00	0.9	112.5
05/09/2021	4:00	0.9	90	06/09/2021	4:00	0.9	112.5	07/09/2021	4:00	1.8	135	08/09/2021	4:00	0.9	112.5
05/09/2021	5:00	1.3	90	06/09/2021	5:00	0.9	112.5	07/09/2021	5:00	1.3	247.5	08/09/2021	5:00	0.9	22.5
05/09/2021	6:00	1.3	90	06/09/2021	6:00	0.4	112.5	07/09/2021	6:00	1.3	45	08/09/2021	6:00	0.4	22.5
05/09/2021	7:00	1.3	112.5	06/09/2021	7:00	0.4	112.5	07/09/2021	7:00	1.3	247.5	08/09/2021	7:00	0.9	112.5
05/09/2021	8:00	0.9	112.5	06/09/2021	8:00	0.4	22.5	07/09/2021	8:00	0.9	337.5	08/09/2021	8:00	0.9	112.5
05/09/2021	9:00	0.9	90	06/09/2021	9:00	0.4	67.5	07/09/2021	9:00	1.3	45	08/09/2021	9:00	0.4	112.5
05/09/2021	10:00	1.3	135	06/09/2021	10:00	0.4	67.5	07/09/2021	10:00	1.3	22.5	08/09/2021	10:00	0.4	90
05/09/2021	11:00	0.9	112.5	06/09/2021	11:00	0.4	225	07/09/2021	11:00	1.3	112.5	08/09/2021	11:00	0.9	112.5
05/09/2021	12:00	0.9	112.5	06/09/2021	12:00	0.4	180	07/09/2021	12:00	0.9	45	08/09/2021	12:00	0.9	112.5
05/09/2021	13:00	1.3	112.5	06/09/2021	13:00	1.3	135	07/09/2021	13:00	1.3	67.5	08/09/2021	13:00	2.2	90
05/09/2021	14:00	2.2	112.5	06/09/2021	14:00	0.9	135	07/09/2021	14:00	0.9	90	08/09/2021	14:00	2.2	112.5
05/09/2021	15:00	2.2	112.5	06/09/2021	15:00	1.8	112.5	07/09/2021	15:00	0.9	112.5	08/09/2021	15:00	2.7	90
05/09/2021	16:00	1.3	112.5	06/09/2021	16:00	1.8	112.5	07/09/2021	16:00	0.9	67.5	08/09/2021	16:00	2.2	135
05/09/2021	17:00	0.4	90	06/09/2021	17:00	1.3	135	07/09/2021	17:00	0.9	112.5	08/09/2021	17:00	1.8	112.5
05/09/2021	18:00	0.9	112.5	06/09/2021	18:00	0.9	112.5	07/09/2021	18:00	0.4	135	08/09/2021	18:00	1.8	112.5
05/09/2021	19:00	0.9	112.5	06/09/2021	19:00	0.4	112.5	07/09/2021	19:00	0.4	112.5	08/09/2021	19:00	1.8	112.5
05/09/2021	20:00	0.9	112.5	06/09/2021	20:00	0.4	135	07/09/2021	20:00	0.4	135	08/09/2021	20:00	1.3	112.5
05/09/2021	21:00	0.9	112.5	06/09/2021	21:00	0.9	112.5	07/09/2021	21:00	0.4	90	08/09/2021	21:00	0.9	112.5
05/09/2021	22:00	0.9	112.5	06/09/2021	22:00	0.9	135	07/09/2021	22:00	0.9	112.5	08/09/2021	22:00	0.9	157.5
05/09/2021	23:00	1.3	112.5	06/09/2021	23:00	0.9	112.5	07/09/2021	23:00	0.9	112.5	08/09/2021	23:00	1.8	135

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
09/09/2021	0:00	0	135	10/09/2021	0:00	0.9	112.5	11/09/2021	0:00	0.4	112.5	12/09/2021	0:00	0.4	135
09/09/2021	1:00	0	135	10/09/2021	1:00	1.8	90	11/09/2021	1:00	0.4	112.5	12/09/2021	1:00	0.9	225
09/09/2021	2:00	0.4	135	10/09/2021	2:00	1.3	112.5	11/09/2021	2:00	0.9	135	12/09/2021	2:00	0.4	247.5
09/09/2021	3:00	0.9	112.5	10/09/2021	3:00	0.4	135	11/09/2021	3:00	0.4	135	12/09/2021	3:00	1.3	247.5
09/09/2021	4:00	0.4	112.5	10/09/2021	4:00	1.3	135	11/09/2021	4:00	0.4	135	12/09/2021	4:00	1.8	247.5
09/09/2021	5:00	0	90	10/09/2021	5:00	1.3	112.5	11/09/2021	5:00	0.4	135	12/09/2021	5:00	2.2	247.5
09/09/2021	6:00	0	112.5	10/09/2021	6:00	1.3	90	11/09/2021	6:00	0.9	112.5	12/09/2021	6:00	2.2	247.5
09/09/2021	7:00	0.4	112.5	10/09/2021	7:00	1.8	112.5	11/09/2021	7:00	0.4	135	12/09/2021	7:00	1.8	270
09/09/2021	8:00	1.3	112.5	10/09/2021	8:00	0.9	67.5	11/09/2021	8:00	0.9	135	12/09/2021	8:00	2.2	247.5
09/09/2021	9:00	1.8	292.5	10/09/2021	9:00	0.9	112.5	11/09/2021	9:00	0.9	225	12/09/2021	9:00	1.3	247.5
09/09/2021	10:00	2.2	292.5	10/09/2021	10:00	0.9	112.5	11/09/2021	10:00	0.4	247.5	12/09/2021	10:00	2.7	270
09/09/2021	11:00	1.3	202.5	10/09/2021	11:00	0.4	90	11/09/2021	11:00	0	247.5	12/09/2021	11:00	2.7	270
09/09/2021	12:00	1.8	157.5	10/09/2021	12:00	0.9	90	11/09/2021	12:00	0.4	270	12/09/2021	12:00	2.2	247.5
09/09/2021	13:00	1.3	135	10/09/2021	13:00	0.9	112.5	11/09/2021	13:00	0	247.5	12/09/2021	13:00	1.8	202.5
09/09/2021	14:00	1.8	135	10/09/2021	14:00	0.9	225	11/09/2021	14:00	0.4	247.5	12/09/2021	14:00	2.2	247.5
09/09/2021	15:00	1.3	135	10/09/2021	15:00	1.8	112.5	11/09/2021	15:00	1.8	247.5	12/09/2021	15:00	1.8	247.5
09/09/2021	16:00	1.3	112.5	10/09/2021	16:00	1.3	45	11/09/2021	16:00	1.8	270	12/09/2021	16:00	2.2	270
09/09/2021	17:00	1.3	112.5	10/09/2021	17:00	1.3	112.5	11/09/2021	17:00	1.3	247.5	12/09/2021	17:00	2.2	247.5
09/09/2021	18:00	0.9	112.5	10/09/2021	18:00	1.3	135	11/09/2021	18:00	1.3	180	12/09/2021	18:00	1.8	270
09/09/2021	19:00	0.9	90	10/09/2021	19:00	0.9	112.5	11/09/2021	19:00	1.8	180	12/09/2021	19:00	2.2	270
09/09/2021	20:00	0.4	112.5	10/09/2021	20:00	1.3	112.5	11/09/2021	20:00	1.3	202.5	12/09/2021	20:00	2.7	270
09/09/2021	21:00	0.4	112.5	10/09/2021	21:00	1.3	135	11/09/2021	21:00	0.9	225	12/09/2021	21:00	2.2	67.5
09/09/2021	22:00	1.3	112.5	10/09/2021	22:00	0.9	112.5	11/09/2021	22:00	0.9	180	12/09/2021	22:00	1.8	45
09/09/2021	23:00	0.9	90	10/09/2021	23:00	0.4	112.5	11/09/2021	23:00	0.9	225	12/09/2021	23:00	1.8	270

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
13/09/2021	0:00	0.9	247.5	14/09/2021	0:00	0.4	135	15/09/2021	0:00	1.3	112.5	16/09/2021	0:00	0.9	225
13/09/2021	1:00	1.3	247.5	14/09/2021	1:00	0.4	90	15/09/2021	1:00	1.3	112.5	16/09/2021	1:00	0.9	225
13/09/2021	2:00	0.4	202.5	14/09/2021	2:00	0.4	90	15/09/2021	2:00	1.3	112.5	16/09/2021	2:00	0.4	247.5
13/09/2021	3:00	1.8	247.5	14/09/2021	3:00	0.4	112.5	15/09/2021	3:00	0.9	112.5	16/09/2021	3:00	1.8	247.5
13/09/2021	4:00	1.8	247.5	14/09/2021	4:00	0.4	112.5	15/09/2021	4:00	0.9	112.5	16/09/2021	4:00	1.3	247.5
13/09/2021	5:00	1.3	270	14/09/2021	5:00	0.4	112.5	15/09/2021	5:00	1.3	135	16/09/2021	5:00	0.4	247.5
13/09/2021	6:00	1.8	247.5	14/09/2021	6:00	0.4	112.5	15/09/2021	6:00	0.9	112.5	16/09/2021	6:00	0.4	247.5
13/09/2021	7:00	2.2	270	14/09/2021	7:00	0.4	112.5	15/09/2021	7:00	0.4	135	16/09/2021	7:00	1.3	225
13/09/2021	8:00	2.2	270	14/09/2021	8:00	0.4	135	15/09/2021	8:00	0.4	135	16/09/2021	8:00	1.8	225
13/09/2021	9:00	1.3	270	14/09/2021	9:00	0.4	112.5	15/09/2021	9:00	3.1	112.5	16/09/2021	9:00	2.2	180
13/09/2021	10:00	1.3	247.5	14/09/2021	10:00	0.9	135	15/09/2021	10:00	2.2	112.5	16/09/2021	10:00	1.3	247.5
13/09/2021	11:00	0.9	247.5	14/09/2021	11:00	0.9	135	15/09/2021	11:00	3.1	135	16/09/2021	11:00	0.9	247.5
13/09/2021	12:00	1.8	247.5	14/09/2021	12:00	0.9	135	15/09/2021	12:00	2.2	112.5	16/09/2021	12:00	1.3	247.5
13/09/2021	13:00	1.8	270	14/09/2021	13:00	0.9	135	15/09/2021	13:00	1.8	90	16/09/2021	13:00	1.3	247.5
13/09/2021	14:00	0.9	247.5	14/09/2021	14:00	0.9	247.5	15/09/2021	14:00	0.9	247.5	16/09/2021	14:00	1.8	247.5
13/09/2021	15:00	1.3	90	14/09/2021	15:00	1.3	247.5	15/09/2021	15:00	0.9	247.5	16/09/2021	15:00	1.3	112.5
13/09/2021	16:00	0.4	292.5	14/09/2021	16:00	0.9	247.5	15/09/2021	16:00	0.4	247.5	16/09/2021	16:00	1.3	112.5
13/09/2021	17:00	0.9	247.5	14/09/2021	17:00	0.4	292.5	15/09/2021	17:00	2.7	247.5	16/09/2021	17:00	0.4	112.5
13/09/2021	18:00	0.4	90	14/09/2021	18:00	0.9	270	15/09/2021	18:00	0.4	225	16/09/2021	18:00	0.4	112.5
13/09/2021	19:00	1.8	45	14/09/2021	19:00	0.9	202.5	15/09/2021	19:00	0.9	45	16/09/2021	19:00	0.9	90
13/09/2021	20:00	1.3	67.5	14/09/2021	20:00	0.4	225	15/09/2021	20:00	1.8	247.5	16/09/2021	20:00	0.9	157.5
13/09/2021	21:00	0.9	45	14/09/2021	21:00	0.9	247.5	15/09/2021	21:00	1.3	247.5	16/09/2021	21:00	1.3	135
13/09/2021	22:00	0.4	270	14/09/2021	22:00	0.4	225	15/09/2021	22:00	1.3	247.5	16/09/2021	22:00	1.3	90
13/09/2021	23:00	0.4	202.5	14/09/2021	23:00	0.4	90	15/09/2021	23:00	1.8	247.5	16/09/2021	23:00	1.3	90

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
17/09/2021	0:00	0.4	225	18/09/2021	0:00	1.3	112.5	19/09/2021	0:00	0.9	112.5	20/09/2021	0:00	0.4	112.5
17/09/2021	1:00	0.4	112.5	18/09/2021	1:00	0.9	112.5	19/09/2021	1:00	0.9	112.5	20/09/2021	1:00	0.9	112.5
17/09/2021	2:00	0.4	45	18/09/2021	2:00	1.8	112.5	19/09/2021	2:00	0.9	112.5	20/09/2021	2:00	0.9	112.5
17/09/2021	3:00	0.4	67.5	18/09/2021	3:00	0.9	90	19/09/2021	3:00	1.8	135	20/09/2021	3:00	0.9	157.5
17/09/2021	4:00	0.4	112.5	18/09/2021	4:00	0.9	112.5	19/09/2021	4:00	1.8	112.5	20/09/2021	4:00	0.4	135
17/09/2021	5:00	0.9	45	18/09/2021	5:00	0.9	90	19/09/2021	5:00	1.3	112.5	20/09/2021	5:00	0.4	135
17/09/2021	6:00	0.9	112.5	18/09/2021	6:00	1.3	112.5	19/09/2021	6:00	1.3	112.5	20/09/2021	6:00	0.9	112.5
17/09/2021	7:00	0.4	112.5	18/09/2021	7:00	1.3	112.5	19/09/2021	7:00	0.4	112.5	20/09/2021	7:00	0.9	112.5
17/09/2021	8:00	0.9	135	18/09/2021	8:00	1.3	90	19/09/2021	8:00	0.9	90	20/09/2021	8:00	0.9	112.5
17/09/2021	9:00	0.9	337.5	18/09/2021	9:00	1.3	112.5	19/09/2021	9:00	1.8	112.5	20/09/2021	9:00	0.9	112.5
17/09/2021	10:00	1.8	45	18/09/2021	10:00	1.8	112.5	19/09/2021	10:00	1.3	112.5	20/09/2021	10:00	1.3	112.5
17/09/2021	11:00	1.3	337.5	18/09/2021	11:00	1.3	112.5	19/09/2021	11:00	1.3	135	20/09/2021	11:00	0.9	112.5
17/09/2021	12:00	0.9	112.5	18/09/2021	12:00	1.8	112.5	19/09/2021	12:00	0.4	112.5	20/09/2021	12:00	0.9	112.5
17/09/2021	13:00	1.3	112.5	18/09/2021	13:00	1.3	112.5	19/09/2021	13:00	1.3	112.5	20/09/2021	13:00	0.9	112.5
17/09/2021	14:00	1.3	112.5	18/09/2021	14:00	1.3	22.5	19/09/2021	14:00	1.3	112.5	20/09/2021	14:00	0.9	112.5
17/09/2021	15:00	1.3	67.5	18/09/2021	15:00	1.3	90	19/09/2021	15:00	0.9	270	20/09/2021	15:00	0.4	112.5
17/09/2021	16:00	0.9	135	18/09/2021	16:00	1.3	157.5	19/09/2021	16:00	1.3	135	20/09/2021	16:00	0.4	112.5
17/09/2021	17:00	1.3	112.5	18/09/2021	17:00	1.8	45	19/09/2021	17:00	1.8	67.5	20/09/2021	17:00	0.9	112.5
17/09/2021	18:00	0.9	90	18/09/2021	18:00	1.3	112.5	19/09/2021	18:00	1.3	112.5	20/09/2021	18:00	0.9	112.5
17/09/2021	19:00	1.3	90	18/09/2021	19:00	1.3	45	19/09/2021	19:00	1.3	135	20/09/2021	19:00	0.9	135
17/09/2021	20:00	1.3	112.5	18/09/2021	20:00	0.9	45	19/09/2021	20:00	1.8	135	20/09/2021	20:00	1.3	135
17/09/2021	21:00	1.8	112.5	18/09/2021	21:00	0.9	90	19/09/2021	21:00	1.3	90	20/09/2021	21:00	0.9	67.5
17/09/2021	22:00	1.3	112.5	18/09/2021	22:00	1.3	135	19/09/2021	22:00	0.9	67.5	20/09/2021	22:00	0.9	135
17/09/2021	23:00	1.3	67.5	18/09/2021	23:00	1.3	112.5	19/09/2021	23:00	1.3	270	20/09/2021	23:00	0.9	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
21/09/2021	0:00	0.4	112.5	22/09/2021	0:00	0.9	112.5	23/09/2021	0:00	1.3	90	24/09/2021	0:00	1.3	112.5
21/09/2021	1:00	0.4	112.5	22/09/2021	1:00	0.9	112.5	23/09/2021	1:00	1.3	90	24/09/2021	1:00	1.3	112.5
21/09/2021	2:00	0.4	90	22/09/2021	2:00	0.4	112.5	23/09/2021	2:00	1.3	112.5	24/09/2021	2:00	0.9	112.5
21/09/2021	3:00	0.4	112.5	22/09/2021	3:00	0.9	112.5	23/09/2021	3:00	1.3	112.5	24/09/2021	3:00	1.3	90
21/09/2021	4:00	0	112.5	22/09/2021	4:00	0.9	112.5	23/09/2021	4:00	2.2	112.5	24/09/2021	4:00	0.9	112.5
21/09/2021	5:00	0	135	22/09/2021	5:00	0.9	112.5	23/09/2021	5:00	1.3	112.5	24/09/2021	5:00	1.3	90
21/09/2021	6:00	0	135	22/09/2021	6:00	0.4	112.5	23/09/2021	6:00	0.9	135	24/09/2021	6:00	1.8	112.5
21/09/2021	7:00	0.9	135	22/09/2021	7:00	0.4	135	23/09/2021	7:00	0.9	67.5	24/09/2021	7:00	1.3	112.5
21/09/2021	8:00	1.3	135	22/09/2021	8:00	0.9	135	23/09/2021	8:00	0.9	45	24/09/2021	8:00	1.8	112.5
21/09/2021	9:00	1.8	135	22/09/2021	9:00	0.4	135	23/09/2021	9:00	0.9	90	24/09/2021	9:00	1.3	90
21/09/2021	10:00	1.8	112.5	22/09/2021	10:00	0.4	112.5	23/09/2021	10:00	1.8	45	24/09/2021	10:00	1.3	90
21/09/2021	11:00	1.3	112.5	22/09/2021	11:00	0.4	90	23/09/2021	11:00	1.8	112.5	24/09/2021	11:00	0.9	112.5
21/09/2021	12:00	1.8	135	22/09/2021	12:00	0.4	90	23/09/2021	12:00	1.3	112.5	24/09/2021	12:00	1.8	112.5
21/09/2021	13:00	1.3	112.5	22/09/2021	13:00	0.4	112.5	23/09/2021	13:00	1.3	112.5	24/09/2021	13:00	1.8	67.5
21/09/2021	14:00	1.8	112.5	22/09/2021	14:00	0.4	135	23/09/2021	14:00	1.3	135	24/09/2021	14:00	1.3	112.5
21/09/2021	15:00	1.3	112.5	22/09/2021	15:00	0.9	112.5	23/09/2021	15:00	1.8	337.5	24/09/2021	15:00	1.8	67.5
21/09/2021	16:00	1.3	112.5	22/09/2021	16:00	0.9	112.5	23/09/2021	16:00	0.9	112.5	24/09/2021	16:00	1.3	90
21/09/2021	17:00	0.4	90	22/09/2021	17:00	0.9	112.5	23/09/2021	17:00	1.3	45	24/09/2021	17:00	1.3	90
21/09/2021	18:00	0.9	112.5	22/09/2021	18:00	1.3	112.5	23/09/2021	18:00	0.9	90	24/09/2021	18:00	1.8	112.5
21/09/2021	19:00	0.9	112.5	22/09/2021	19:00	1.3	90	23/09/2021	19:00	1.3	67.5	24/09/2021	19:00	1.3	90
21/09/2021	20:00	0.9	112.5	22/09/2021	20:00	1.3	90	23/09/2021	20:00	1.3	112.5	24/09/2021	20:00	1.3	112.5
21/09/2021	21:00	0.9	112.5	22/09/2021	21:00	0.9	67.5	23/09/2021	21:00	1.8	90	24/09/2021	21:00	1.3	112.5
21/09/2021	22:00	0.9	112.5	22/09/2021	22:00	0.9	135	23/09/2021	22:00	1.3	90	24/09/2021	22:00	1.3	112.5
21/09/2021	23:00	0.9	112.5	22/09/2021	23:00	1.3	112.5	23/09/2021	23:00	1.3	90	24/09/2021	23:00	1.8	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
25/09/2021	0:00	0.9	45	26/09/2021	0:00	0	112.5	27/09/2021	0:00	0.4	112.5	28/09/2021	0:00	0.4	90
25/09/2021	1:00	0.9	315	26/09/2021	1:00	0	90	27/09/2021	1:00	0.4	90	28/09/2021	1:00	0.4	90
25/09/2021	2:00	1.8	270	26/09/2021	2:00	0	112.5	27/09/2021	2:00	0.4	90	28/09/2021	2:00	0.9	112.5
25/09/2021	3:00	0.9	247.5	26/09/2021	3:00	0	67.5	27/09/2021	3:00	0.4	112.5	28/09/2021	3:00	0.9	112.5
25/09/2021	4:00	0.9	337.5	26/09/2021	4:00	0.4	45	27/09/2021	4:00	0.4	90	28/09/2021	4:00	1.3	90
25/09/2021	5:00	1.3	45	26/09/2021	5:00	0.4	90	27/09/2021	5:00	0.4	90	28/09/2021	5:00	1.3	112.5
25/09/2021	6:00	0.9	67.5	26/09/2021	6:00	0.4	90	27/09/2021	6:00	1.3	90	28/09/2021	6:00	1.3	112.5
25/09/2021	7:00	0.9	157.5	26/09/2021	7:00	0	90	27/09/2021	7:00	0.9	112.5	28/09/2021	7:00	0.9	112.5
25/09/2021	8:00	0.9	22.5	26/09/2021	8:00	0.4	112.5	27/09/2021	8:00	0.9	112.5	28/09/2021	8:00	1.3	112.5
25/09/2021	9:00	1.3	135	26/09/2021	9:00	0.4	67.5	27/09/2021	9:00	0.9	112.5	28/09/2021	9:00	1.8	112.5
25/09/2021	10:00	1.3	90	26/09/2021	10:00	0.9	45	27/09/2021	10:00	0.9	112.5	28/09/2021	10:00	1.8	135
25/09/2021	11:00	1.8	247.5	26/09/2021	11:00	0.4	45	27/09/2021	11:00	1.3	90	28/09/2021	11:00	1.8	90
25/09/2021	12:00	1.3	22.5	26/09/2021	12:00	0.4	90	27/09/2021	12:00	0.9	90	28/09/2021	12:00	0.9	90
25/09/2021	13:00	0.9	90	26/09/2021	13:00	0.4	67.5	27/09/2021	13:00	0.9	112.5	28/09/2021	13:00	0.9	90
25/09/2021	14:00	1.3	22.5	26/09/2021	14:00	0.9	67.5	27/09/2021	14:00	0.9	112.5	28/09/2021	14:00	0.9	112.5
25/09/2021	15:00	0.9	315	26/09/2021	15:00	0.9	247.5	27/09/2021	15:00	0.9	112.5	28/09/2021	15:00	0.9	112.5
25/09/2021	16:00	0.9	90	26/09/2021	16:00	0.9	337.5	27/09/2021	16:00	0.9	90	28/09/2021	16:00	1.3	112.5
25/09/2021	17:00	1.3	67.5	26/09/2021	17:00	0.9	337.5	27/09/2021	17:00	0.9	112.5	28/09/2021	17:00	1.3	112.5
25/09/2021	18:00	0.9	22.5	26/09/2021	18:00	0.9	112.5	27/09/2021	18:00	0.4	112.5	28/09/2021	18:00	1.3	112.5
25/09/2021	19:00	0.9	90	26/09/2021	19:00	0.9	112.5	27/09/2021	19:00	0.4	112.5	28/09/2021	19:00	0.9	157.5
25/09/2021	20:00	1.8	337.5	26/09/2021	20:00	0.9	112.5	27/09/2021	20:00	0.9	112.5	28/09/2021	20:00	1.3	135
25/09/2021	21:00	1.3	135	26/09/2021	21:00	1.3	112.5	27/09/2021	21:00	0.9	112.5	28/09/2021	21:00	1.3	112.5
25/09/2021	22:00	1.3	90	26/09/2021	22:00	0.9	90	27/09/2021	22:00	0.4	112.5	28/09/2021	22:00	0.9	157.5
25/09/2021	23:00	1.8	90	26/09/2021	23:00	0.9	90	27/09/2021	23:00	0.9	112.5	28/09/2021	23:00	0.9	157.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
01/10/2021	0:00	0.9	45	02/10/2021	0:00	0.9	90	03/10/2021	0:00	0.4	112.5	04/10/2021	0:00	0.4	112.5
01/10/2021	1:00	0.9	45	02/10/2021	1:00	0.4	112.5	03/10/2021	1:00	0.9	112.5	04/10/2021	1:00	0.9	135
01/10/2021	2:00	1.3	45	02/10/2021	2:00	0.4	112.5	03/10/2021	2:00	0.4	135	04/10/2021	2:00	1.3	112.5
01/10/2021	3:00	0.9	67.5	02/10/2021	3:00	0.4	112.5	03/10/2021	3:00	0.4	112.5	04/10/2021	3:00	0.9	112.5
01/10/2021	4:00	0.9	90	02/10/2021	4:00	0.4	90	03/10/2021	4:00	0.4	112.5	04/10/2021	4:00	0.9	112.5
01/10/2021	5:00	0.9	67.5	02/10/2021	5:00	2.2	135	03/10/2021	5:00	0.4	112.5	04/10/2021	5:00	0.9	112.5
01/10/2021	6:00	1.3	45	02/10/2021	6:00	2.2	135	03/10/2021	6:00	0.4	112.5	04/10/2021	6:00	0.4	90
01/10/2021	7:00	1.3	45	02/10/2021	7:00	1.3	112.5	03/10/2021	7:00	0.9	112.5	04/10/2021	7:00	0.9	90
01/10/2021	8:00	0.9	45	02/10/2021	8:00	1.8	112.5	03/10/2021	8:00	0.4	90	04/10/2021	8:00	0.9	112.5
01/10/2021	9:00	0.9	45	02/10/2021	9:00	1.3	90	03/10/2021	9:00	0.9	202.5	04/10/2021	9:00	0.4	112.5
01/10/2021	10:00	0.9	45	02/10/2021	10:00	2.7	90	03/10/2021	10:00	1.3	135	04/10/2021	10:00	0.9	112.5
01/10/2021	11:00	0.9	45	02/10/2021	11:00	2.7	135	03/10/2021	11:00	1.8	90	04/10/2021	11:00	0.9	135
01/10/2021	12:00	0.4	157.5	02/10/2021	12:00	2.2	112.5	03/10/2021	12:00	2.2	135	04/10/2021	12:00	0.9	112.5
01/10/2021	13:00	0.9	225	02/10/2021	13:00	0.9	90	03/10/2021	13:00	1.8	157.5	04/10/2021	13:00	1.8	135
01/10/2021	14:00	0.9	157.5	02/10/2021	14:00	1.8	67.5	03/10/2021	14:00	0.4	112.5	04/10/2021	14:00	1.3	112.5
01/10/2021	15:00	1.3	157.5	02/10/2021	15:00	1.8	45	03/10/2021	15:00	0.4	90	04/10/2021	15:00	1.3	112.5
01/10/2021	16:00	1.3	247.5	02/10/2021	16:00	1.3	90	03/10/2021	16:00	0.4	112.5	04/10/2021	16:00	1.8	112.5
01/10/2021	17:00	1.3	247.5	02/10/2021	17:00	1.3	0	03/10/2021	17:00	0.9	90	04/10/2021	17:00	1.8	67.5
01/10/2021	18:00	1.3	247.5	02/10/2021	18:00	0.9	22.5	03/10/2021	18:00	0.4	112.5	04/10/2021	18:00	1.3	135
01/10/2021	19:00	1.3	135	02/10/2021	19:00	1.8	112.5	03/10/2021	19:00	0.4	112.5	04/10/2021	19:00	0.4	135
01/10/2021	20:00	1.8	225	02/10/2021	20:00	1.8	112.5	03/10/2021	20:00	0.4	112.5	04/10/2021	20:00	0.9	67.5
01/10/2021	21:00	1.3	247.5	02/10/2021	21:00	1.8	22.5	03/10/2021	21:00	0.4	90	04/10/2021	21:00	1.3	67.5
01/10/2021	22:00	0.4	247.5	02/10/2021	22:00	1.8	90	03/10/2021	22:00	2.2	135	04/10/2021	22:00	1.3	67.5
01/10/2021	23:00	0.9	247.5	02/10/2021	23:00	2.2	112.5	03/10/2021	23:00	2.2	135	04/10/2021	23:00	0.9	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
05/10/2021	0:00	0.4	135	06/10/2021	0:00	0.4	135	07/10/2021	0:00	0.9	45	08/10/2021	0:00	0.9	112.5
05/10/2021	1:00	0.4	67.5	06/10/2021	1:00	0.4	157.5	07/10/2021	1:00	0.9	90	08/10/2021	1:00	0.9	112.5
05/10/2021	2:00	0.4	157.5	06/10/2021	2:00	0.9	112.5	07/10/2021	2:00	0.9	90	08/10/2021	2:00	0.4	112.5
05/10/2021	3:00	0.9	112.5	06/10/2021	3:00	0.9	112.5	07/10/2021	3:00	1.3	90	08/10/2021	3:00	0.4	90
05/10/2021	4:00	0.4	135	06/10/2021	4:00	0.4	90	07/10/2021	4:00	1.3	112.5	08/10/2021	4:00	0.9	112.5
05/10/2021	5:00	0.4	90	06/10/2021	5:00	0.9	67.5	07/10/2021	5:00	1.3	112.5	08/10/2021	5:00	0.9	112.5
05/10/2021	6:00	1.3	135	06/10/2021	6:00	0.9	67.5	07/10/2021	6:00	0.9	112.5	08/10/2021	6:00	1.3	112.5
05/10/2021	7:00	0.9	112.5	06/10/2021	7:00	0.9	67.5	07/10/2021	7:00	0.9	90	08/10/2021	7:00	1.3	112.5
05/10/2021	8:00	0.9	22.5	06/10/2021	8:00	0.4	90	07/10/2021	8:00	1.3	112.5	08/10/2021	8:00	2.2	112.5
05/10/2021	9:00	0.9	67.5	06/10/2021	9:00	0.9	67.5	07/10/2021	9:00	1.3	112.5	08/10/2021	9:00	1.8	90
05/10/2021	10:00	0.9	67.5	06/10/2021	10:00	0.4	112.5	07/10/2021	10:00	0.9	90	08/10/2021	10:00	0.4	112.5
05/10/2021	11:00	0.4	90	06/10/2021	11:00	0.4	90	07/10/2021	11:00	0.9	112.5	08/10/2021	11:00	0.9	135
05/10/2021	12:00	0.9	112.5	06/10/2021	12:00	0.4	157.5	07/10/2021	12:00	0.4	112.5	08/10/2021	12:00	0.4	112.5
05/10/2021	13:00	0.9	112.5	06/10/2021	13:00	1.8	90	07/10/2021	13:00	0.4	112.5	08/10/2021	13:00	0.9	112.5
05/10/2021	14:00	0.4	90	06/10/2021	14:00	1.8	112.5	07/10/2021	14:00	1.3	112.5	08/10/2021	14:00	1.3	90
05/10/2021	15:00	0.9	67.5	06/10/2021	15:00	0.4	180	07/10/2021	15:00	1.8	45	08/10/2021	15:00	1.3	112.5
05/10/2021	16:00	0.9	112.5	06/10/2021	16:00	1.3	112.5	07/10/2021	16:00	0.4	180	08/10/2021	16:00	1.3	135
05/10/2021	17:00	0.9	67.5	06/10/2021	17:00	1.3	90	07/10/2021	17:00	0.4	157.5	08/10/2021	17:00	1.3	90
05/10/2021	18:00	0.9	67.5	06/10/2021	18:00	1.3	112.5	07/10/2021	18:00	0.4	247.5	08/10/2021	18:00	1.8	90
05/10/2021	19:00	0.4	67.5	06/10/2021	19:00	1.3	112.5	07/10/2021	19:00	0.4	112.5	08/10/2021	19:00	1.3	90
05/10/2021	20:00	0.9	67.5	06/10/2021	20:00	0.9	112.5	07/10/2021	20:00	0.9	90	08/10/2021	20:00	1.3	112.5
05/10/2021	21:00	0.9	67.5	06/10/2021	21:00	1.3	112.5	07/10/2021	21:00	1.8	1125	08/10/2021	21:00	1.3	112.5
05/10/2021	22:00	0.9	67.5	06/10/2021	22:00	0.4	67.5	07/10/2021	22:00	0.9	112.5	08/10/2021	22:00	1.3	112.5
05/10/2021	23:00	0.4	45	06/10/2021	23:00	0.4	90	07/10/2021	23:00	0.9	112.5	08/10/2021	23:00	0.9	90

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
09/10/2021	0:00	0.9	247.5	10/10/2021	0:00	1.3	90	11/10/2021	0:00	0.4	270	12/10/2021	0:00	1.3	112.5
09/10/2021	1:00	0.4	247.5	10/10/2021	1:00	1.3	112.5	11/10/2021	1:00	0.9	247.5	12/10/2021	1:00	1.3	112.5
09/10/2021	2:00	0.9	225	10/10/2021	2:00	1.3	112.5	11/10/2021	2:00	0.9	292.5	12/10/2021	2:00	1.8	90
09/10/2021	3:00	1.3	247.5	10/10/2021	3:00	0.9	112.5	11/10/2021	3:00	0.4	112.5	12/10/2021	3:00	2.2	112.5
09/10/2021	4:00	0.9	270	10/10/2021	4:00	0.9	90	11/10/2021	4:00	0.4	112.5	12/10/2021	4:00	1.8	22.5
09/10/2021	5:00	0.9	270	10/10/2021	5:00	1.3	112.5	11/10/2021	5:00	0.4	135	12/10/2021	5:00	2.2	90
09/10/2021	6:00	3.1	247.5	10/10/2021	6:00	1.3	112.5	11/10/2021	6:00	0.9	135	12/10/2021	6:00	1.3	157.5
09/10/2021	7:00	2.7	247.5	10/10/2021	7:00	1.3	112.5	11/10/2021	7:00	1.3	90	12/10/2021	7:00	1.3	225
09/10/2021	8:00	3.1	112.5	10/10/2021	8:00	1.3	135	11/10/2021	8:00	0.9	90	12/10/2021	8:00	0.9	112.5
09/10/2021	9:00	2.7	112.5	10/10/2021	9:00	1.3	90	11/10/2021	9:00	0.4	22.5	12/10/2021	9:00	0.9	112.5
09/10/2021	10:00	3.1	90	10/10/2021	10:00	1.8	90	11/10/2021	10:00	0.9	22.5	12/10/2021	10:00	1.3	90
09/10/2021	11:00	2.7	112.5	10/10/2021	11:00	1.3	90	11/10/2021	11:00	0.4	45	12/10/2021	11:00	1.8	90
09/10/2021	12:00	2.7	112.5	10/10/2021	12:00	0.9	90	11/10/2021	12:00	0.9	45	12/10/2021	12:00	1.3	112.5
09/10/2021	13:00	2.7	112.5	10/10/2021	13:00	1.3	112.5	11/10/2021	13:00	0.4	45	12/10/2021	13:00	1.8	112.5
09/10/2021	14:00	2.2	112.5	10/10/2021	14:00	1.3	90	11/10/2021	14:00	0.4	112.5	12/10/2021	14:00	2.2	112.5
09/10/2021	15:00	3.1	90	10/10/2021	15:00	1.3	90	11/10/2021	15:00	0.9	112.5	12/10/2021	15:00	1.8	112.5
09/10/2021	16:00	2.7	112.5	10/10/2021	16:00	1.3	90	11/10/2021	16:00	0.4	112.5	12/10/2021	16:00	1.8	112.5
09/10/2021	17:00	2.7	112.5	10/10/2021	17:00	1.3	90	11/10/2021	17:00	0.9	112.5	12/10/2021	17:00	1.3	112.5
09/10/2021	18:00	1.8	90	10/10/2021	18:00	1.3	292.5	11/10/2021	18:00	0.4	135	12/10/2021	18:00	1.8	157.5
09/10/2021	19:00	0.9	90	10/10/2021	19:00	1.3	135	11/10/2021	19:00	0.9	112.5	12/10/2021	19:00	0.4	270
09/10/2021	20:00	0.9	90	10/10/2021	20:00	1.8	90	11/10/2021	20:00	0.9	90	12/10/2021	20:00	0.4	337.5
09/10/2021	21:00	1.3	90	10/10/2021	21:00	1.3	112.5	11/10/2021	21:00	0.9	135	12/10/2021	21:00	0.4	315
09/10/2021	22:00	1.3	112.5	10/10/2021	22:00	1.3	112.5	11/10/2021	22:00	0.4	112.5	12/10/2021	22:00	0.4	337.5
09/10/2021	23:00	1.3	112.5	10/10/2021	23:00	1.3	112.5	11/10/2021	23:00	0.4	112.5	12/10/2021	23:00	0.9	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
13/10/2021	0:00	1.3	90	14/10/2021	0:00	0.9	22.5	15/10/2021	0:00	1.3	315	16/10/2021	0:00	0.9	45
13/10/2021	1:00	1.8	90	14/10/2021	1:00	1.3	112.5	15/10/2021	1:00	1.8	45	16/10/2021	1:00	0.9	22.5
13/10/2021	2:00	1.8	112.5	14/10/2021	2:00	0.4	90	15/10/2021	2:00	0.9	0	16/10/2021	2:00	0.9	270
13/10/2021	3:00	1.3	112.5	14/10/2021	3:00	0.4	45	15/10/2021	3:00	0.9	292.5	16/10/2021	3:00	0.4	22.5
13/10/2021	4:00	1.3	112.5	14/10/2021	4:00	0	180	15/10/2021	4:00	0.9	180	16/10/2021	4:00	0.4	270
13/10/2021	5:00	1.3	112.5	14/10/2021	5:00	0	180	15/10/2021	5:00	0.9	135	16/10/2021	5:00	0.9	225
13/10/2021	6:00	1.3	90	14/10/2021	6:00	0.4	270	15/10/2021	6:00	1.8	45	16/10/2021	6:00	0.4	112.5
13/10/2021	7:00	1.3	90	14/10/2021	7:00	0.4	112.5	15/10/2021	7:00	1.3	45	16/10/2021	7:00	0.9	90
13/10/2021	8:00	2.2	112.5	14/10/2021	8:00	0.4	112.5	15/10/2021	8:00	1.8	45	16/10/2021	8:00	0.9	180
13/10/2021	9:00	1.8	112.5	14/10/2021	9:00	0	135	15/10/2021	9:00	1.3	45	16/10/2021	9:00	1.3	90
13/10/2021	10:00	1.3	112.5	14/10/2021	10:00	1.3	112.5	15/10/2021	10:00	0.9	90	16/10/2021	10:00	1.3	112.5
13/10/2021	11:00	1.3	90	14/10/2021	11:00	1.3	22.5	15/10/2021	11:00	0.4	90	16/10/2021	11:00	0.9	135
13/10/2021	12:00	1.3	112.5	14/10/2021	12:00	1.3	67.5	15/10/2021	12:00	0.9	0	16/10/2021	12:00	0.9	112.5
13/10/2021	13:00	1.3	90	14/10/2021	13:00	0.9	45	15/10/2021	13:00	0.9	0	16/10/2021	13:00	1.3	112.5
13/10/2021	14:00	2.2	112.5	14/10/2021	14:00	0.4	90	15/10/2021	14:00	0.9	337.5	16/10/2021	14:00	1.3	112.5
13/10/2021	15:00	1.8	112.5	14/10/2021	15:00	0.9	225	15/10/2021	15:00	0.9	22.5	16/10/2021	15:00	0.9	90
13/10/2021	16:00	0.9	112.5	14/10/2021	16:00	0.4	90	15/10/2021	16:00	0.4	135	16/10/2021	16:00	0.9	112.5
13/10/2021	17:00	0.4	112.5	14/10/2021	17:00	0.4	45	15/10/2021	17:00	1.3	112.5	16/10/2021	17:00	0.9	112.5
13/10/2021	18:00	0.9	112.5	14/10/2021	18:00	0.9	0	15/10/2021	18:00	0.4	135	16/10/2021	18:00	0.9	112.5
13/10/2021	19:00	0.9	112.5	14/10/2021	19:00	0.4	337.5	15/10/2021	19:00	0.9	112.5	16/10/2021	19:00	0.9	112.5
13/10/2021	20:00	0.4	112.5	14/10/2021	20:00	0.4	90	15/10/2021	20:00	1.3	112.5	16/10/2021	20:00	0.4	90
13/10/2021	21:00	0.4	112.5	14/10/2021	21:00	0.4	90	15/10/2021	21:00	0.9	135	16/10/2021	21:00	0.4	112.5
13/10/2021	22:00	0.9	67.5	14/10/2021	22:00	0.9	112.5	15/10/2021	22:00	1.3	112.5	16/10/2021	22:00	0.4	247.5
13/10/2021	23:00	0.4	67.5	14/10/2021	23:00	0.9	112.5	15/10/2021	23:00	0.9	112.5	16/10/2021	23:00	0	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
17/10/2021	0:00	0.9	22.5	18/10/2021	0:00	0.4	270	19/10/2021	0:00	0.9	337.5	20/10/2021	0:00	0.9	112.5
17/10/2021	1:00	0.9	270	18/10/2021	1:00	0	247.5	19/10/2021	1:00	0.9	22.5	20/10/2021	1:00	0.9	90
17/10/2021	2:00	0.4	22.5	18/10/2021	2:00	0.4	45	19/10/2021	2:00	0.9	337.5	20/10/2021	2:00	0.9	90
17/10/2021	3:00	0.4	270	18/10/2021	3:00	1.8	22.5	19/10/2021	3:00	0.9	67.5	20/10/2021	3:00	0.9	112.5
17/10/2021	4:00	0.9	225	18/10/2021	4:00	1.3	22.5	19/10/2021	4:00	0.9	0	20/10/2021	4:00	0.9	112.5
17/10/2021	5:00	0.4	112.5	18/10/2021	5:00	1.3	45	19/10/2021	5:00	0.9	90	20/10/2021	5:00	0.9	112.5
17/10/2021	6:00	0.9	90	18/10/2021	6:00	1.3	112.5	19/10/2021	6:00	0.9	67.5	20/10/2021	6:00	1.3	90
17/10/2021	7:00	0.9	180	18/10/2021	7:00	1.3	112.5	19/10/2021	7:00	0.9	22.5	20/10/2021	7:00	1.3	112.5
17/10/2021	8:00	1.3	90	18/10/2021	8:00	0.9	112.5	19/10/2021	8:00	1.3	45	20/10/2021	8:00	1.8	90
17/10/2021	9:00	1.3	0	18/10/2021	9:00	0.9	135	19/10/2021	9:00	1.3	45	20/10/2021	9:00	1.3	112.5
17/10/2021	10:00	1.8	90	18/10/2021	10:00	1.3	0	19/10/2021	10:00	1.3	22.5	20/10/2021	10:00	0.4	157.5
17/10/2021	11:00	1.3	112.5	18/10/2021	11:00	0.9	112.5	19/10/2021	11:00	1.8	45	20/10/2021	11:00	0.9	112.5
17/10/2021	12:00	0.9	90	18/10/2021	12:00	0.9	90	19/10/2021	12:00	0.4	67.5	20/10/2021	12:00	0.4	112.5
17/10/2021	13:00	1.3	112.5	18/10/2021	13:00	1.8	90	19/10/2021	13:00	0.4	22.5	20/10/2021	13:00	0.9	90
17/10/2021	14:00	1.3	112.5	18/10/2021	14:00	1.3	90	19/10/2021	14:00	0.9	22.5	20/10/2021	14:00	1.3	90
17/10/2021	15:00	0.9	135	18/10/2021	15:00	1.3	90	19/10/2021	15:00	0.9	22.5	20/10/2021	15:00	1.3	112.5
17/10/2021	16:00	0.9	112.5	18/10/2021	16:00	0.9	112.5	19/10/2021	16:00	0.4	292.5	20/10/2021	16:00	1.8	67.5
17/10/2021	17:00	1.3	112.5	18/10/2021	17:00	1.3	112.5	19/10/2021	17:00	0.4	90	20/10/2021	17:00	1.8	112.5
17/10/2021	18:00	1.3	112.5	18/10/2021	18:00	0.4	90	19/10/2021	18:00	0.9	337.5	20/10/2021	18:00	0.9	112.5
17/10/2021	19:00	0.9	90	18/10/2021	19:00	0.4	112.5	19/10/2021	19:00	1.3	337.5	20/10/2021	19:00	0.4	247.5
17/10/2021	20:00	0.9	112.5	18/10/2021	20:00	0.4	135	19/10/2021	20:00	1.8	0	20/10/2021	20:00	0.9	247.5
17/10/2021	21:00	0.9	112.5	18/10/2021	21:00	0.4	157.5	19/10/2021	21:00	0.9	22.5	20/10/2021	21:00	1.3	247.5
17/10/2021	22:00	0.4	135	18/10/2021	22:00	0.4	90	19/10/2021	22:00	1.3	67.5	20/10/2021	22:00	0.4	225
17/10/2021	23:00	0.4	247.5	18/10/2021	23:00	0.4	315	19/10/2021	23:00	1.3	22.5	20/10/2021	23:00	0.9	135

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
21/10/2021	0:00	0.4	225	22/10/2021	0:00	0.9	112.5	23/10/2021	0:00	1.3	45	24/10/2021	0:00	1.3	90
21/10/2021	1:00	0.4	157.5	22/10/2021	1:00	0.9	112.5	23/10/2021	1:00	0.9	45	24/10/2021	1:00	0.4	90
21/10/2021	2:00	0.4	45	22/10/2021	2:00	0.9	112.5	23/10/2021	2:00	0.4	45	24/10/2021	2:00	0.9	112.5
21/10/2021	3:00	0	292.5	22/10/2021	3:00	0.9	90	23/10/2021	3:00	0.4	67.5	24/10/2021	3:00	0.4	112.5
21/10/2021	4:00	0.4	202.5	22/10/2021	4:00	1.3	90	23/10/2021	4:00	0.4	315	24/10/2021	4:00	0.4	112.5
21/10/2021	5:00	0.4	112.5	22/10/2021	5:00	0.9	90	23/10/2021	5:00	0.9	270	24/10/2021	5:00	0.9	112.5
21/10/2021	6:00	0.4	112.5	22/10/2021	6:00	1.3	90	23/10/2021	6:00	0.4	337.5	24/10/2021	6:00	0.4	112.5
21/10/2021	7:00	0.9	112.5	22/10/2021	7:00	0.9	112.5	23/10/2021	7:00	0.9	292.5	24/10/2021	7:00	0.4	112.5
21/10/2021	8:00	0.9	112.5	22/10/2021	8:00	1.3	112.5	23/10/2021	8:00	0.4	337.5	24/10/2021	8:00	0.9	90
21/10/2021	9:00	0.9	112.5	22/10/2021	9:00	1.3	112.5	23/10/2021	9:00	0.9	315	24/10/2021	9:00	0.4	292.5
21/10/2021	10:00	0.9	112.5	22/10/2021	10:00	1.3	112.5	23/10/2021	10:00	0.9	112.5	24/10/2021	10:00	0.4	292.5
21/10/2021	11:00	0.9	225	22/10/2021	11:00	1.3	112.5	23/10/2021	11:00	0.9	90	24/10/2021	11:00	0.4	337.5
21/10/2021	12:00	0.9	247.5	22/10/2021	12:00	0.9	90	23/10/2021	12:00	0.9	45	24/10/2021	12:00	0.9	337.5
21/10/2021	13:00	0.4	180	22/10/2021	13:00	1.3	112.5	23/10/2021	13:00	0.9	292.5	24/10/2021	13:00	0.4	337.5
21/10/2021	14:00	0.4	135	22/10/2021	14:00	0.4	90	23/10/2021	14:00	0.9	247.5	24/10/2021	14:00	0.4	337.5
21/10/2021	15:00	0.9	112.5	22/10/2021	15:00	0.9	112.5	23/10/2021	15:00	0.9	112.5	24/10/2021	15:00	0.4	337.5
21/10/2021	16:00	0.4	112.5	22/10/2021	16:00	1.3	112.5	23/10/2021	16:00	0.9	22.5	24/10/2021	16:00	0.4	135
21/10/2021	17:00	0.4	90	22/10/2021	17:00	1.8	112.5	23/10/2021	17:00	0.9	22.5	24/10/2021	17:00	0.4	135
21/10/2021	18:00	1.3	112.5	22/10/2021	18:00	0.9	112.5	23/10/2021	18:00	1.3	22.5	24/10/2021	18:00	1.3	112.5
21/10/2021	19:00	0.9	112.5	22/10/2021	19:00	1.3	135	23/10/2021	19:00	0.4	270	24/10/2021	19:00	1.3	112.5
21/10/2021	20:00	1.8	112.5	22/10/2021	20:00	1.8	112.5	23/10/2021	20:00	0.4	270	24/10/2021	20:00	1.3	112.5
21/10/2021	21:00	1.3	90	22/10/2021	21:00	1.8	112.5	23/10/2021	21:00	0.9	270	24/10/2021	21:00	0.9	112.5
21/10/2021	22:00	1.8	90	22/10/2021	22:00	0.4	67.5	23/10/2021	22:00	0.9	270	24/10/2021	22:00	0.9	112.5
21/10/2021	23:00	1.3	112.5	22/10/2021	23:00	0.4	67.5	23/10/2021	23:00	0.4	112.5	24/10/2021	23:00	0.4	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

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
25/10/2021	0:00	0.4	112.5	26/10/2021	0:00	0.4	112.5	27/10/2021	0:00	1.3	22.5	28/10/2021	0:00	0.9	112.5
25/10/2021	1:00	0.4	202.5	26/10/2021	1:00	0.4	112.5	27/10/2021	1:00	0.9	337.5	28/10/2021	1:00	0.4	112.5
25/10/2021	2:00	0.4	225	26/10/2021	2:00	1.3	112.5	27/10/2021	2:00	0	180	28/10/2021	2:00	0.4	45
25/10/2021	3:00	0.4	247.5	26/10/2021	3:00	1.3	112.5	27/10/2021	3:00	0.4	180	28/10/2021	3:00	0.9	112.5
25/10/2021	4:00	0.4	157.5	26/10/2021	4:00	1.3	112.5	27/10/2021	4:00	0.9	180	28/10/2021	4:00	0.9	157.5
25/10/2021	5:00	1.3	225	26/10/2021	5:00	1.3	135	27/10/2021	5:00	0.9	180	28/10/2021	5:00	0.9	292.5
25/10/2021	6:00	0.4	225	26/10/2021	6:00	1.3	90	27/10/2021	6:00	0.4	225	28/10/2021	6:00	0.4	112.5
25/10/2021	7:00	0.4	225	26/10/2021	7:00	0.9	112.5	27/10/2021	7:00	0	67.5	28/10/2021	7:00	0.4	247.5
25/10/2021	8:00	0.4	225	26/10/2021	8:00	0.9	112.5	27/10/2021	8:00	0.4	135	28/10/2021	8:00	0.9	315
25/10/2021	9:00	0.4	225	26/10/2021	9:00	0.4	112.5	27/10/2021	9:00	0.9	67.5	28/10/2021	9:00	0.4	315
25/10/2021	10:00	0.9	247.5	26/10/2021	10:00	0.4	112.5	27/10/2021	10:00	1.3	112.5	28/10/2021	10:00	0.4	135
25/10/2021	11:00	0.4	225	26/10/2021	11:00	0.4	337.5	27/10/2021	11:00	0.9	112.5	28/10/2021	11:00	0.9	112.5
25/10/2021	12:00	0.9	67.5	26/10/2021	12:00	0.9	45	27/10/2021	12:00	0.9	135	28/10/2021	12:00	0.9	90
25/10/2021	13:00	0.4	270	26/10/2021	13:00	0.4	45	27/10/2021	13:00	0.9	225	28/10/2021	13:00	0.9	112.5
25/10/2021	14:00	0.4	247.5	26/10/2021	14:00	0.4	112.5	27/10/2021	14:00	0.9	247.5	28/10/2021	14:00	0.4	112.5
25/10/2021	15:00	0.4	180	26/10/2021	15:00	0.9	112.5	27/10/2021	15:00	0.4	247.5	28/10/2021	15:00	0.9	112.5
25/10/2021	16:00	0.4	247.5	26/10/2021	16:00	0.4	315	27/10/2021	16:00	0.4	247.5	28/10/2021	16:00	0.9	135
25/10/2021	17:00	0.4	270	26/10/2021	17:00	0.4	112.5	27/10/2021	17:00	0.4	247.5	28/10/2021	17:00	1.3	112.5
25/10/2021	18:00	0.4	135	26/10/2021	18:00	0.4	45	27/10/2021	18:00	0	247.5	28/10/2021	18:00	1.3	157.5
25/10/2021	19:00	0.9	112.5	26/10/2021	19:00	0.9	247.5	27/10/2021	19:00	0.4	112.5	28/10/2021	19:00	0.9	112.5
25/10/2021	20:00	0.9	112.5	26/10/2021	20:00	0.4	270	27/10/2021	20:00	0.9	270	28/10/2021	20:00	0.9	90
25/10/2021	21:00	0.9	112.5	26/10/2021	21:00	0	180	27/10/2021	21:00	0.4	292.5	28/10/2021	21:00	0.9	112.5
25/10/2021	22:00	1.3	112.5	26/10/2021	22:00	0.4	270	27/10/2021	22:00	0.4	135	28/10/2021	22:00	0.9	67.5
25/10/2021	23:00	1.3	112.5	26/10/2021	23:00	1.3	45	27/10/2021	23:00	0.9	135	28/10/2021	23:00	1.3	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Ng Wah Catholic Secondary School

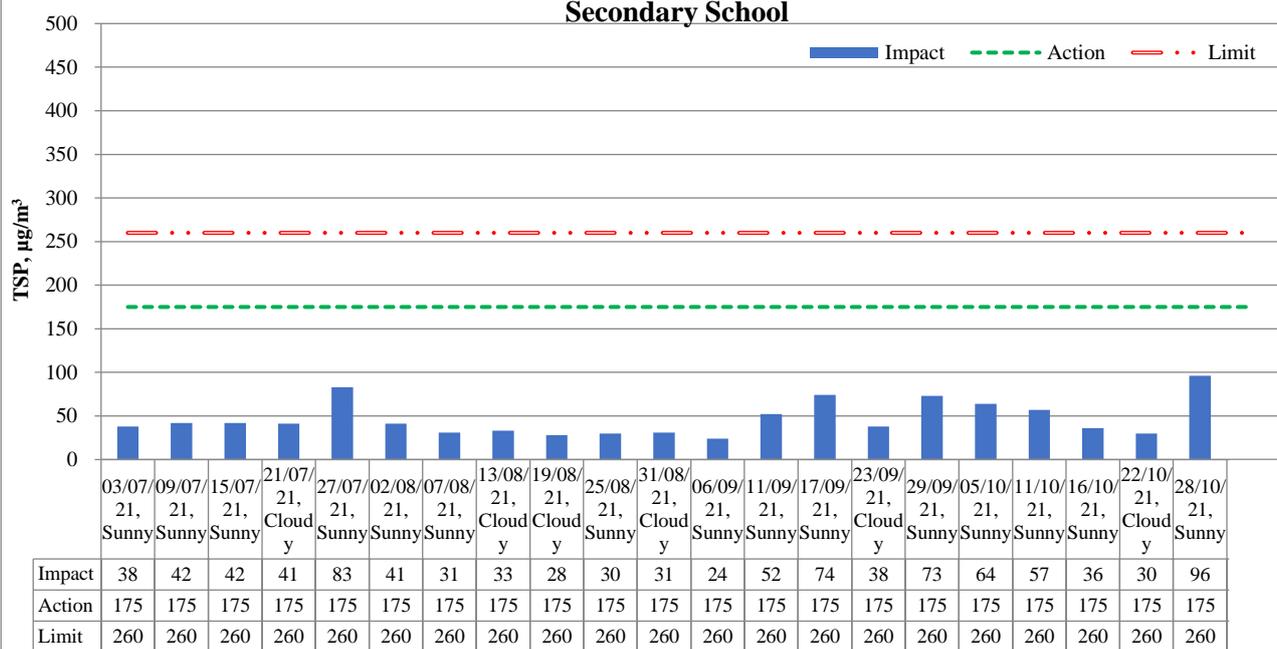
Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
29/10/2021	0:00	1.3	67.5	30/10/2021	0:00	0.9	45	31/10/2021	0:00	0.4	90				
29/10/2021	1:00	1.3	45	30/10/2021	1:00	1.3	45	31/10/2021	1:00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

Appendix D – Monitoring data and graphical plots

24-hour average TSP

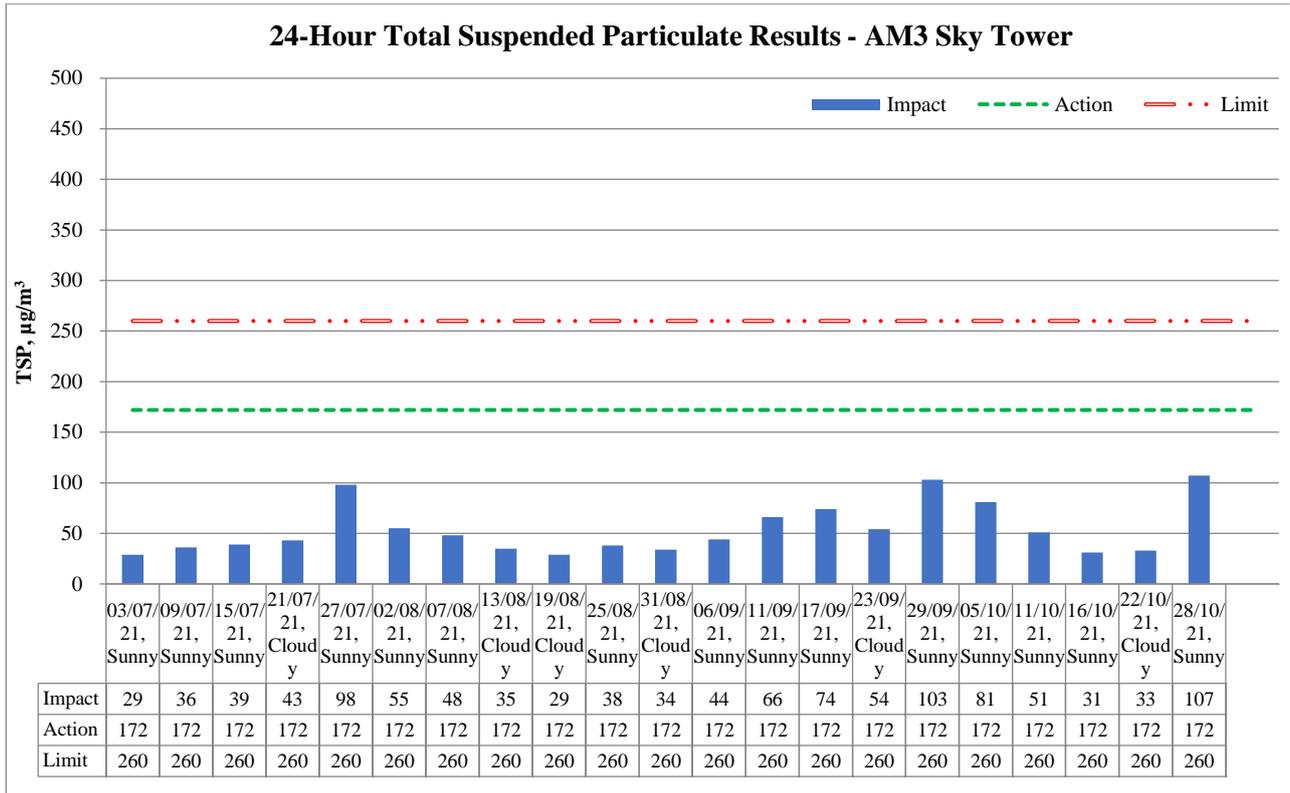
Air Monitoring Station		AM2(A) – Ng Wah Catholic Secondary School	AM3 – Sky Tower
Start Date	Weather	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$	24-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
2/8/2021	Sunny	41	55
7/8/2021	Sunny	31	48
13/8/2021	Cloudy	33	35
19/8/2021	Cloudy	28	29
25/8/2021	Sunny	30	38
31/8/2021	Cloudy	33	40
6/9/2021	Sunny	24	44
11/9/2021	Sunny	52	66
17/9/2021	Sunny	74	74
23/9/2021	Cloudy	38	54
29/9/2021	Sunny	73	103
5/10/2021	Sunny	64	81
11/10/2021	Sunny	57	51
16/10/2021	Sunny	36	31
22/10/2021	Cloudy	30	33
28/10/2021	Sunny	96	107

24-Hour Total Suspended Particulate Results - AM2(A) Ng Wah Catholic Secondary School



Major Construction Activities	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Construction of box culvert	✓	✓	
Bored pile works for landscape elevated walkway	✓	✓	✓
Demolition of existing structure and cottage			
Construction of project signboard			
Pre-drilling works and trial pit excavation	✓	✓	
Drainage works			
Temporary road diversion at Sa Po Road	✓	✓	
Demolition of existing structure at SB-01	✓		
Pre-drilling work for S14 and KS10	✓		
Drainage works for Pedestrian Street No.1 & No.2	✓	✓	
Drainage works for Crowd Dispersal Route	✓	✓	
Instrumentation installation at SB-01		✓	✓
Pre-drilling work for S14		✓	✓
Removal existing piles at Road D1		✓	✓
Rising main construction		✓	✓
Trial pit excavation			✓
Advance works for traffic diversion at Sa Po Road			✓
Drainage works for Pedestrian Street No.1, No.2 & No.3			✓
Construction of Crowd Dispersal Route			✓

Factors might affect the monitoring results	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓



Major Construction Activities	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Construction of box culvert	✓	✓	
Bored pile works for landscape elevated walkway	✓	✓	✓
Demolition of existing structure and cottage			
Construction of project signboard			
Pre-drilling works and trial pit excavation	✓	✓	
Drainage works			
Temporary road diversion at Sa Po Road	✓	✓	
Demolition of existing structure at SB-01	✓		
Pre-drilling work for S14 and KS10	✓		
Drainage works for Pedestrian Street No.1 & No.2	✓	✓	
Drainage works for Crowd Dispersal Route	✓	✓	
Instrumentation installation at SB-01		✓	✓
Pre-drilling work for S14		✓	✓
Removal existing piles at Road D1		✓	✓
Rising main construction		✓	✓
Trial pit excavation			✓
Advance works for traffic diversion at Sa Po Road			✓
Drainage works for Pedestrian Street No.1, No.2 & No.3			✓
Construction of Crowd Dispersal Route			✓

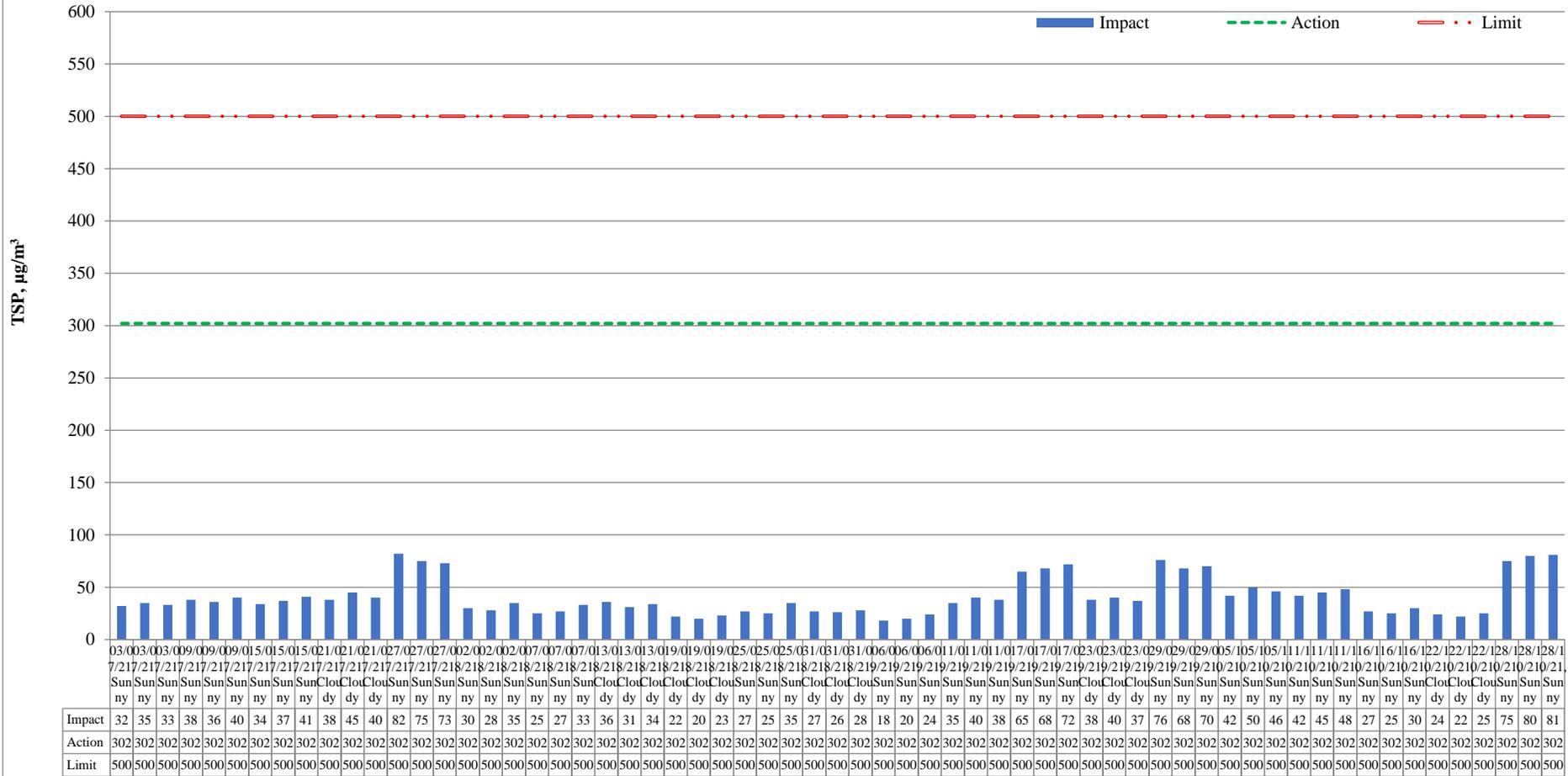
Factors might affect the monitoring results	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓

1-hour average TSP

Air Monitoring Station				AM2(A) – Ng Wah Catholic Secondary School	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
02/08/2021	13:00	-	14:00	Sunny	30
02/08/2021	14:00	-	15:00		28
02/08/2021	15:00	-	16:00		35
07/08/2021	09:00	-	10:00	Sunny	25
07/08/2021	10:00	-	11:00		27
07/08/2021	11:00	-	12:00		33
13/08/2021	13:00	-	14:00	Sunny	36
13/08/2021	14:00	-	15:00		31
13/08/2021	15:00	-	16:00		34
19/08/2021	13:00	-	14:00	Sunny	22
19/08/2021	14:00	-	15:00		20
19/08/2021	15:00	-	16:00		23
25/08/2021	09:00	-	10:00	Cloudy	27
25/08/2021	10:00	-	11:00		25
25/08/2021	11:00	-	12:00		35
31/08/2021	09:00	-	10:00	Cloudy	27
31/08/2021	10:00	-	11:00		26
31/08/2021	11:00	-	12:00		28
06/09/2021	9:00	-	10:00	Sunny	18
06/09/2021	10:00	-	11:00		20
06/09/2021	11:00	-	12:00		24
11/09/2021	13:00	-	14:00	Sunny	35
11/09/2021	14:00	-	15:00		40
11/09/2021	15:00	-	16:00		38
17/09/2021	9:00	-	10:00	Sunny	65
17/09/2021	10:00	-	11:00		68
17/09/2021	11:00	-	12:00		72
23/09/2021	13:00	-	14:00	Cloudy	38
23/09/2021	14:00	-	15:00		40
23/09/2021	15:00	-	16:00		37
29/09/2021	13:00	-	14:00	Sunny	76
29/09/2021	14:00	-	15:00		68
29/09/2021	15:00	-	16:00		70
05/10/2021	13:00	-	14:00	Sunny	42
05/10/2021	14:00	-	15:00		50
05/10/2021	15:00	-	16:00		46
11/10/2021	09:00	-	10:00	Sunny	42
11/10/2021	10:00	-	11:00		45
11/10/2021	11:00	-	12:00		48
16/10/2021	13:00	-	14:00	Sunny	27
16/10/2021	14:00	-	15:00		25
16/10/2021	15:00	-	16:00		30
22/10/2021	13:00	-	14:00	Cloudy	24
22/10/2021	14:00	-	15:00		22
22/10/2021	15:00	-	16:00		25

Air Monitoring Station				AM2(A) – Ng Wah Catholic Secondary School	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
28/10/2021	09:00	-	10:00	Sunny	75
28/10/2021	10:00	-	11:00		80
28/10/2021	11:00	-	12:00		81

1-Hour Total Suspended Particulate Results - AM2(A) Ng Wah Catholic Secondary School



Major Construction Activities	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Construction of box culvert	✓	✓	
Bored pile works for landscape elevated walkway	✓	✓	✓
Demolition of existing structure and cottage			
Construction of project signboard			
Pre-drilling works and trial pit excavation	✓	✓	
Drainage works			
Temporary road diversion at Sa Po Road	✓	✓	
Demolition of existing structure at SB-01	✓		
Pre-drilling work for S14 and KS10	✓		
Drainage works for Pedestrian Street No.1 & No.2	✓	✓	
Drainage works for Crowd Dispersal Route	✓	✓	
Instrumentation installation at SB-01		✓	✓
Pre-drilling work for S14		✓	✓
Removal existing piles at Road D1		✓	✓
Rising main construction		✓	✓
Trial pit excavation			✓
Advance works for traffic diversion at Sa Po Road			✓
Drainage works for Pedestrian Street No.1, No.2 & No.3			✓
Construction of Crowd Dispersal Route			✓

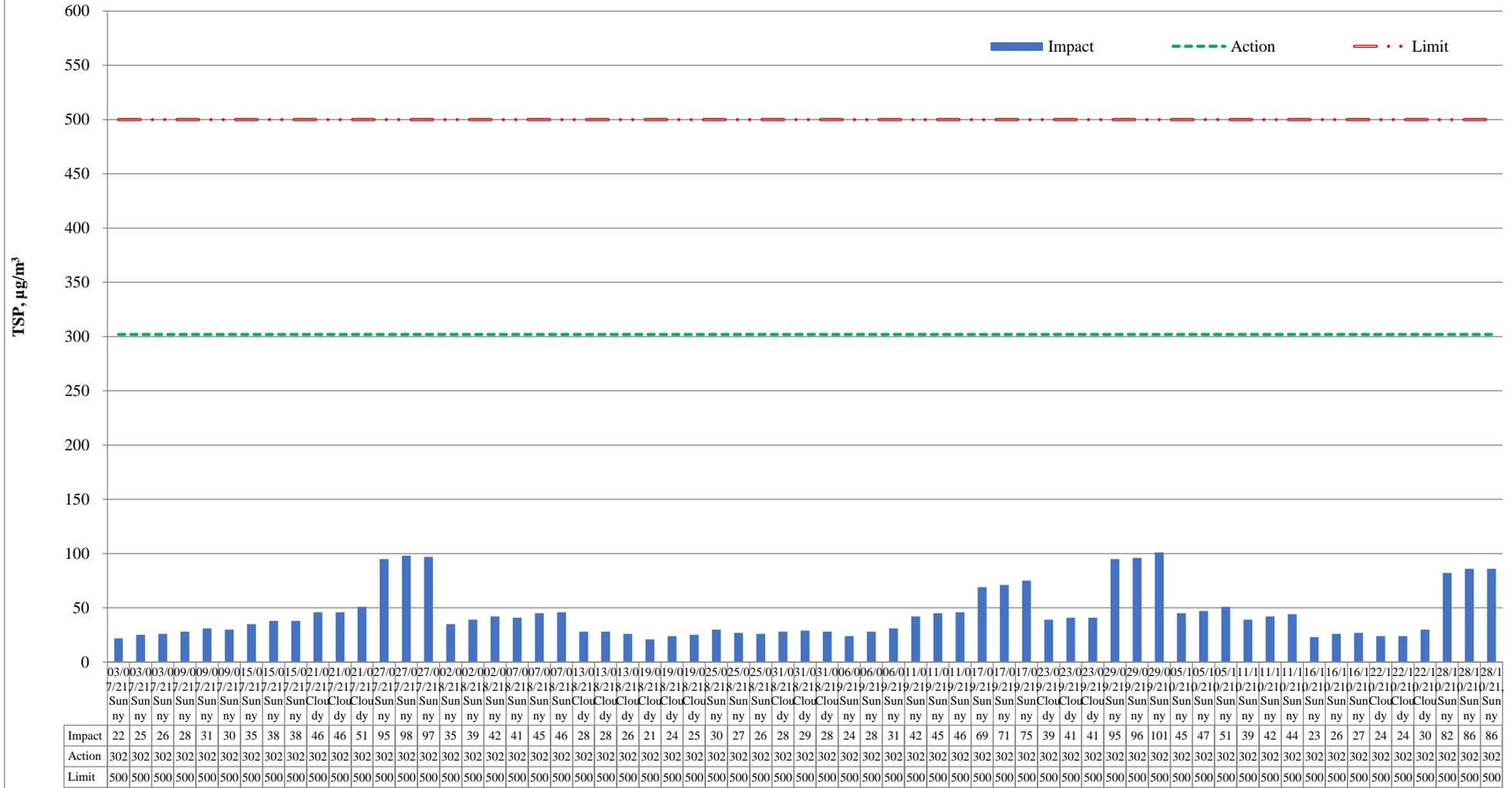
Factors might affect the monitoring results	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓

1-hour average TSP

Air Monitoring Station				AM3 – Sky Tower	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
02/08/2021	09:00	-	10:00	Sunny	35
02/08/2021	10:00	-	11:00		39
02/08/2021	11:00	-	12:00		42
07/08/2021	13:00	-	14:00	Sunny	41
07/08/2021	14:00	-	15:00		45
07/08/2021	15:00	-	16:00		46
13/08/2021	09:00	-	10:00	Sunny	28
13/08/2021	10:00	-	11:00		28
13/08/2021	11:00	-	12:00		26
19/08/2021	13:00	-	14:00	Sunny	21
19/08/2021	14:00	-	15:00		24
19/08/2021	15:00	-	16:00		25
25/08/2021	13:00	-	14:00	Cloudy	30
25/08/2021	14:00	-	15:00		27
25/08/2021	15:00	-	16:00		26
31/08/2021	09:00	-	10:00	Cloudy	28
31/08/2021	10:00	-	11:00		29
31/08/2021	11:00	-	12:00		28
06/09/2021	9:00	-	10:00	Sunny	18
06/09/2021	10:00	-	11:00		20
06/09/2021	11:00	-	12:00		24
11/09/2021	13:00	-	14:00	Sunny	35
11/09/2021	14:00	-	15:00		40
11/09/2021	15:00	-	16:00		38
17/09/2021	9:00	-	10:00	Sunny	65
17/09/2021	10:00	-	11:00		68
17/09/2021	11:00	-	12:00		72
23/09/2021	13:00	-	14:00	Cloudy	38
23/09/2021	14:00	-	15:00		40
23/09/2021	15:00	-	16:00		37
29/09/2021	13:00	-	14:00	Sunny	95
29/09/2021	14:00	-	15:00		96
29/09/2021	15:00	-	16:00		101
05/10/2021	09:00	-	10:00	Sunny	45
05/10/2021	10:00	-	11:00		47
05/10/2021	11:00	-	12:00		51
11/10/2021	13:00	-	14:00	Sunny	39
11/10/2021	14:00	-	15:00		42
11/10/2021	15:00	-	16:00		44
16/10/2021	09:00	-	10:00	Sunny	23
16/10/2021	10:00	-	11:00		26

Air Monitoring Station				AM3 – Sky Tower	
Date	Measurement Period			Weather	1-hr Average TSP Concentration, $\mu\text{g}/\text{m}^3$
16/10/2021	11:00	-	12:00		27
22/10/2021	09:00	-	10:00	Cloudy	24
22/10/2021	10:00	-	11:00		24
22/10/2021	11:00	-	12:00		30
28/10/2021	13:00	-	14:00		Sunny
28/10/2021	14:00	-	15:00	86	
28/10/2021	15:00	-	16:00	86	

1-Hour Total Suspended Particulate Results - AM3 Sky Tower

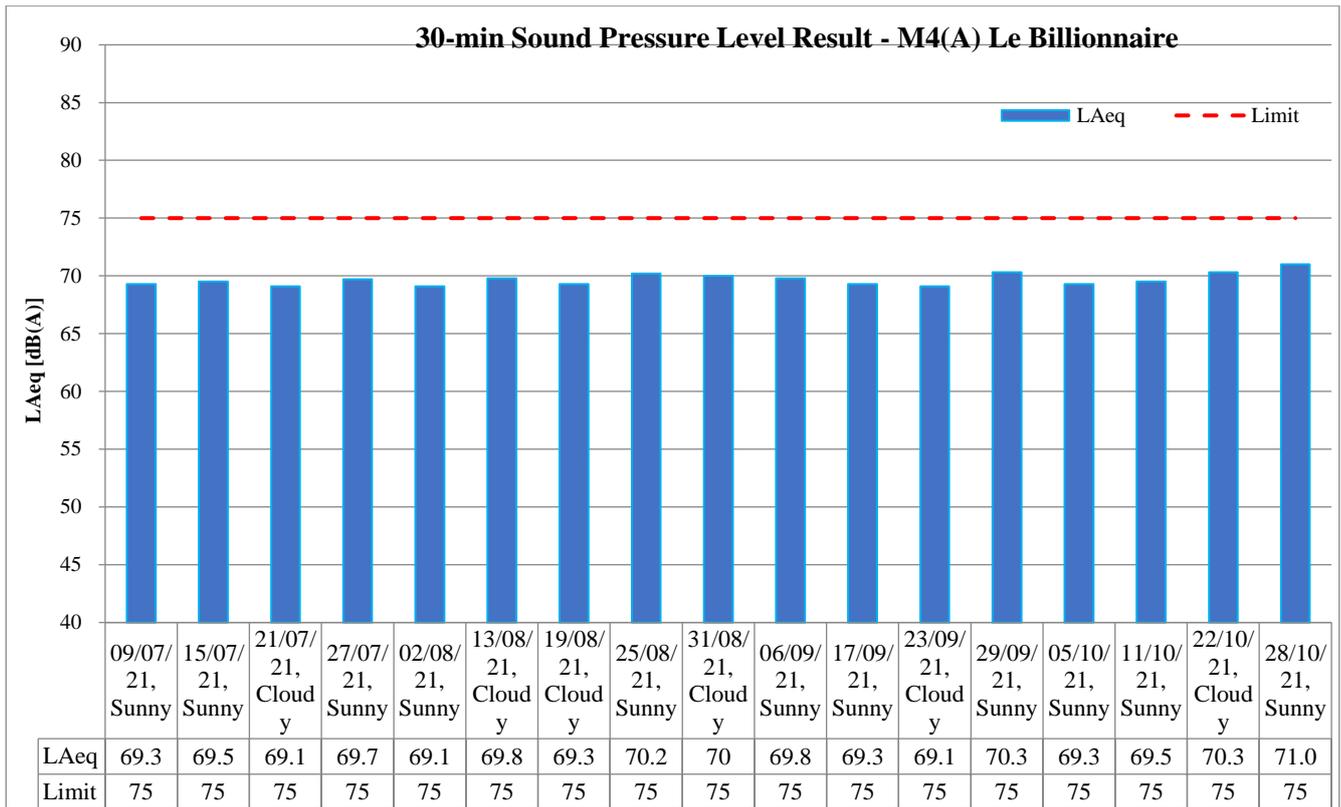


Major Construction Activities	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Construction of box culvert	✓	✓	
Bored pile works for landscape elevated walkway	✓	✓	✓
Demolition of existing structure and cottage			
Construction of project signboard			
Pre-drilling works and trial pit excavation	✓	✓	
Drainage works			
Temporary road diversion at Sa Po Road	✓	✓	
Demolition of existing structure at SB-01	✓		
Pre-drilling work for S14 and KS10	✓		
Drainage works for Pedestrian Street No.1 & No.2	✓	✓	
Drainage works for Crowd Dispersal Route	✓	✓	
Instrumentation installation at SB-01		✓	✓
Pre-drilling work for S14		✓	✓
Removal existing piles at Road D1		✓	✓
Rising main construction		✓	✓
Trial pit excavation			✓
Advance works for traffic diversion at Sa Po Road			✓
Drainage works for Pedestrian Street No.1, No.2 & No.3			✓
Construction of Crowd Dispersal Route			✓

Factors might affect the monitoring results	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓

30-minute Noise

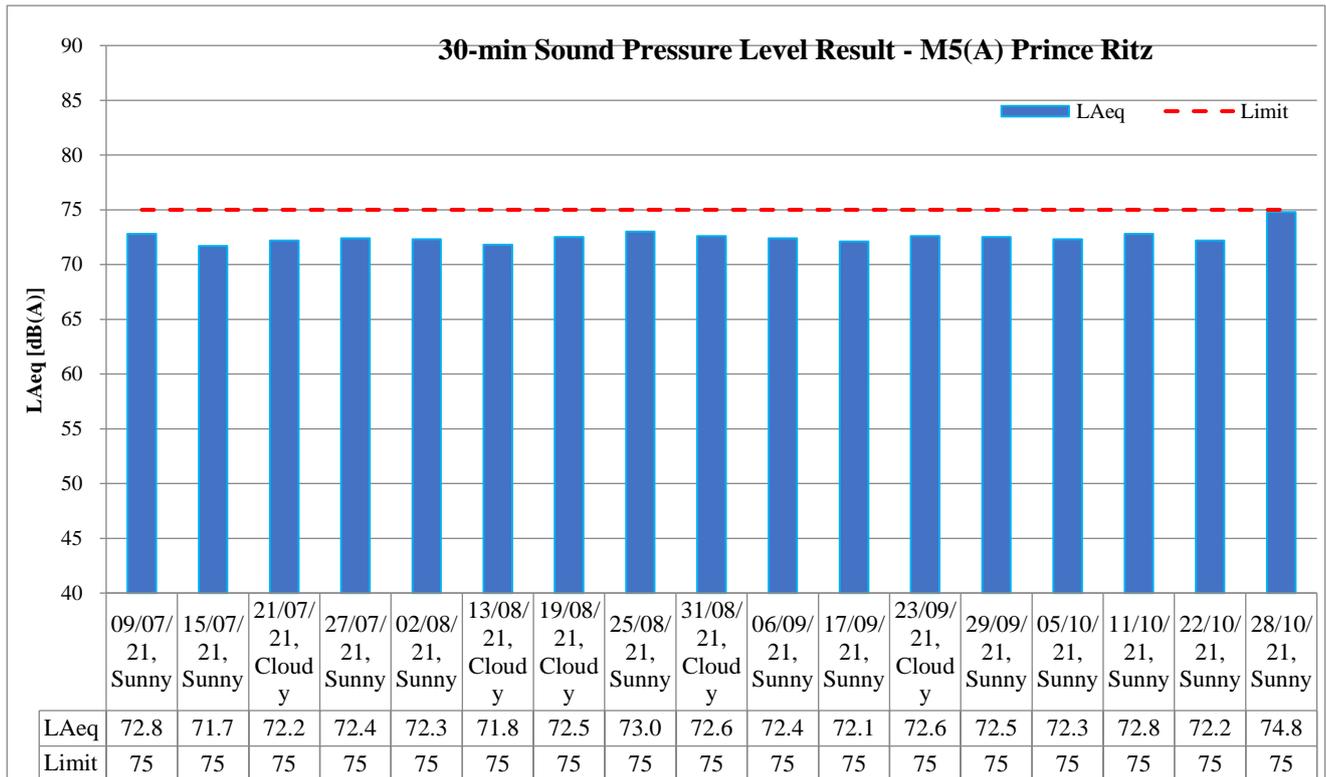
Noise Monitoring Station				M4(A) – Le Billionnaire			
Date	Measurement Period			Weather	L _{Aeq} , dB(A)	L _{A10} , dB(A)	L _{A90} , dB(A)
2/8/2021	09:30	-	10:00	Sunny	69.1	71.1	67.8
13/8/2021	13:10	-	13:40	Cloudy	69.8	71.3	68.0
19/8/2021	10:05	-	10:35	Cloudy	69.3	70.9	67.7
25/8/2021	09:33	-	10:03	Sunny	70.2	71.2	69.2
31/8/2021	13:15	-	13:45	Cloudy	70.0	71.1	68.8
6/9/2021	9:35	-	10:05	Sunny	69.8	70.5	69.1
17/9/2021	13:30	-	14:00	Sunny	69.3	70.2	68.8
23/9/2021	13:25	-	13:55	Cloudy	69.1	69.8	69.3
29/9/2021	9:30	-	10:00	Sunny	70.3	71.1	69.5
5/10/2021	13:30	-	14:00	Sunny	69.3	71.3	68.8
11/10/2021	09:30	-	10:00	Sunny	69.5	71.5	68.9
22/10/2021	13:25	-	13:55	Cloudy	70.3	71.8	69.1
28/10/2021	09:19	-	09:49	Sunny	71.0	72.1	69.5



Major Construction Activities	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Construction of box culvert	✓	✓	
Bored pile works for landscape elevated walkway	✓	✓	✓
Demolition of existing structure and cottage			
Construction of project signboard			
Pre-drilling works and trial pit excavation	✓	✓	
Drainage works			
Temporary road diversion at Sa Po Road	✓	✓	
Demolition of existing structure at SB-01	✓		
Pre-drilling work for S14 and KS10	✓		
Drainage works for Pedestrian Street No.1 & No.2	✓	✓	
Drainage works for Crowd Dispersal Route	✓	✓	
Instrumentation installation at SB-01		✓	✓
Pre-drilling work for S14		✓	✓
Removal existing piles at Road D1		✓	✓
Rising main construction		✓	✓
Trial pit excavation			✓
Advance works for traffic diversion at Sa Po Road			✓
Drainage works for Pedestrian Street No.1, No.2 & No.3			✓
Construction of Crowd Dispersal Route			✓

Factors might affect the monitoring results	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓

Noise Monitoring Station				M5(A) – Prince Ritz			
Date	Measurement Period			Weather	L _{Aeq} , dB(A)	L _{A10} , dB(A)	L _{A90} , dB(A)
2/8/2021	09:30	-	10:00	Sunny	72.3	73.8	70.7
13/8/2021	13:10	-	13:40	Cloudy	71.8	73.2	70.3
19/8/2021	10:05	-	10:35	Cloudy	72.5	74.4	70.1
25/8/2021	09:33	-	10:03	Sunny	73.0	74.5	71.0
31/8/2021	13:15	-	13:45	Cloudy	72.6	74.1	70.8
6/9/2021	10:35	-	11:05	Sunny	69.8	70.5	69.1
17/9/2021	14:30	-	15:00	Sunny	69.3	70.2	68.8
23/9/2021	14:25	-	14:55	Cloudy	69.1	69.8	69.3
29/9/2021	10:39	-	11:09	Sunny	72.5	73.9	70.8
5/10/2021	14:25	-	14:55	Sunny	72.3	73.8	70.5
11/10/2021	10:30	-	11:00	Sunny	72.8	74.2	70.7
22/10/2021	14:35	-	15:05	Cloudy	72.2	73.6	70.1
28/10/2021	10:49	-	11:19	Sunny	74.8	76.1	73.2



Major Construction Activities	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Construction of box culvert	✓	✓	
Bored pile works for landscape elevated walkway	✓	✓	✓
Demolition of existing structure and cottage			
Construction of project signboard			
Pre-drilling works and trial pit excavation	✓	✓	
Drainage works			
Temporary road diversion at Sa Po Road	✓	✓	
Demolition of existing structure at SB-01	✓		
Pre-drilling work for S14 and KS10	✓		
Drainage works for Pedestrian Street No.1 & No.2	✓	✓	
Drainage works for Crowd Dispersal Route	✓	✓	
Instrumentation installation at SB-01		✓	✓
Pre-drilling work for S14		✓	✓
Removal existing piles at Road D1		✓	✓
Rising main construction		✓	✓
Trial pit excavation			✓
Advance works for traffic diversion at Sa Po Road			✓
Drainage works for Pedestrian Street No.1, No.2 & No.3			✓
Construction of Crowd Dispersal Route			✓

Factors might affect the monitoring results	Reporting Period		
	Aug 2021	Sept 2021	Oct 2021
Non-project related construction activities in the adjacent construction sites were observed.	✓	✓	✓

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

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

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

Event and Action Plans for Construction Noise				
Event	Action			
	ET	IEC	Supervisor / ER	Contractor
Action Level being exceeded	<ol style="list-style-type: none"> 1. Notify Supervisor / ER, IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, Supervisor / ER and Contractor; 4. Discuss with the IEC and Contractor on remedial measures required; 5. Increase monitoring frequency to check mitigation effectiveness. <p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>	<ol style="list-style-type: none"> 1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures submitted by the Contractor and advise the ER accordingly; 3. Advise the Supervisor / ER on the proposed remedial measures. <p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures. <p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>	<ol style="list-style-type: none"> 1. Submit noise mitigation proposal to IEC and Supervisor / ER; 2. Implement noise mitigation proposals. <p>(The above actions should be taken within 2 working days after the exceedance is identified.)</p>
Limit Level being exceeded	<ol style="list-style-type: none"> 1. Inform IEC, Supervisor /ER, Contractor and EPD; 2. Repeat measurement to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of 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
	7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD, and Supervisor /ER informed of the results; 8. If exceedance stops, cease additional monitoring. (The above actions should be taken within 2 working days after the exceedance is identified.)		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.)	(The above actions should be taken within 2 working days after the exceedance is identified.)

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 F – Waste Flow Table

MONTHLY SUMMARY WASTE FLOW TABLE FOR 2021 (YEAR)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Borken Concrete (4)	Reused in the Contract	Reused in other Projects	Disposal as Public Fill	Import Fill	Metals	Paper / Cardboard Packaging	Plastics (3)	Chemical Waste	Other, e.g. general refuse
	[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000m ³]
JAN	0.191597506	0.028739612	0	0	0.162857895	0	0	0	0	0	0.007013333
FEB	1.108290924	0.166243555	0	0	0.942047368	0	0	0	0	0	0.011833333
MAR	0.416297177	0.062444545	0	0	0.353852632	0	0	0	0	0	0.017520000
APR	0.020390091	0.003058512	0	0	0.017331579	0	0	0	0	0	0.002420000
MAY	0.230390073	0.034558494	0	0	0.195831579	0	0	0	0	0	0.189360000
JUNE	1.299331150	0.194899576	0	0	1.104431579	0	0	0	0	0	0.006900000
SUB-TOTAL	3.266296921	0.489944294	0	0	2.776352632	0	0	0	0	0	0.235046666
JULY	0.992681027	0.14890208	0	0	0.843778947	0	0	0	0	0	0.009193333
AUG	0.800414791	0.120062159	0	0	0.680352632	0	0	0	0	0	0.008226667
SEPT	0.192557259	0.028883574	0	0	0.163673684	0	0	0	0	0	0.007060000
OCT	0.146749213	0.022012371	0	0	0.124736842	0	0	0	0	0	0.001333333
NOV											
DEC											
TOTAL	5.398699211	0.809804478	0	0	4.588894737	0	0	0	0	0	0.260859999

Forecast of Total Quantities of C&D materials to be Generated from the Contracts *										
Total	Borken	Reused in the	Reused in	Disposal as	Import Fill	Metals	Paper /	Plastics (3)	Chemical	Other, e.g.
[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000m ³]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000m ³]
	3.2			33.652						

- Notes :
- (1) The performance targets are given in PS Clause 25.24.
 - (2) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the site.
 - (3) Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging material.
 - * (4) The summary table shall be submitted to the Project Manager/Supervisor monthly together with the Waste Flow Table for review and monitoring in accordance with the PS Clause 25.24

Appendix G – Environmental Mitigation Implementation Schedule (EMIS)

Table 1.1 Implementation Schedule for Air Quality Measures

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S3.2	8 times daily watering of the work site with active dust emitting activities.	Work site / during construction	Contractor		√			EIAO-TM
S3.2	<p>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.</p> <ul style="list-style-type: none"> - 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 extend 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 	Work site / during construction	Contractor		√			EIAO-TM & Air Quality Objective

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<p>section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores.</p> <ul style="list-style-type: none"> - 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. 							

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

Table 1.2 Implementation Schedule for Noise Measures

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
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.	Work Sites / Construction Period	Contractor		√			EIAO-TM, NCO
S3.3	<p>Good Site Practice:</p> <ul style="list-style-type: none"> - 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. 	Work Sites / Construction Period	Contractor		√			EIAO-TM, NCO
S3.3	- Scheduling of Construction Works during School Examination Period.	Construction site near to school / Examination Period	Contractor		√			

* Des - Design, C - Construction, O – Operation, and Dec – Decommissioning

Table 1.3 Implementation Schedule for Water Quality Measures

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S3.4	<p>Operational Phase</p> <p>A surface water drainage system should be provided to collect road runoff. It is recommended that the road drainage should be provided with adequately designed silt trap and oil interceptors, as necessary. The design of the operational stage mitigation measures for the road works shall take into account the guidelines published in ProPECC PN 5/93 "Drainage Plans subject to Comment by the EPD".</p>	Project site / during design and operational stages	CEDD	√		√		EIAO-TM, WPCO, ProPECC PN 5/93
S3.4	<p>Construction Phase</p> <p><u>Construction Runoff</u></p> <p>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:</p> <ul style="list-style-type: none"> - use of sediment traps - adequate maintenance of drainage systems to prevent flooding and overflow. 	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94
S3.4	<p>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.</p>	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S3.4	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.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94
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 flexible and able to handle multiple inputs from a variety of sources and particularly suited to applications where the influent is pumped.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94
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.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94
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.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94
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.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
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.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94
S3.4	<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.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94
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.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94
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.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
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.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, ProPECC PN 1/94, WDO
S3.4	<u>Sewage Effluent</u> Construction work force sewage discharges on site are expected to be connected to the existing trunk sewer or sewage treatment facilities. The construction sewage may need to be handled by portable chemical toilets prior to the commission of the on-site sewer system. Appropriate numbers of portable toilets should be provided by a licensed contractor to serve the large number of construction workers over the construction site. The Contractor should also be responsible for waste disposal and maintenance practices.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO
S3.4	<u>Stormwater Discharges</u> Minimum distances of 100 m should be maintained between the existing or planned stormwater discharges and the existing or planned seawater intakes.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, TM-DSS
S3.4	<u>Debris and Litter</u> In order to maintain water quality in acceptable conditions with regard to aesthetic quality, contractors should be required, under 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.	Work Sites / during construction	Contractor		√			EIAO-TM, WPCO, WDO

* Des - Design, C - Construction, O – Operation, and Dec - Decommissioning

Table 1.4 Implementation Schedule for Waste Management Measures

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S3.5	<p>Good Site Practices</p> <p>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:</p> <ul style="list-style-type: none"> - Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site. - Training of site personnel in proper waste management and chemical waste handling procedures - Provision of sufficient waste disposal points and regular collection for disposal - Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers. - A recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites) 	Work Sites / during construction	Contractor					EIAO-TM, WDO
S3.5	<p>Waste Reduction Measures</p> <p>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:</p> <ul style="list-style-type: none"> - Sort C&D waste from demolition of the remaining structures to recover recyclable portions such as metals. - Segregation and storage of different types of waste in 	Work Sites / during construction	Contractor					EIAO-TM, WDO

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<p>different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal.</p> <ul style="list-style-type: none"> - 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. - Any unused chemicals or those with remaining functional capacity should be recycled. - Proper storage and site practices to minimise the potential for damage or contamination of construction materials. 							
S3.5	<p>Construction and Demolition Materials</p> <p>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:</p> <ul style="list-style-type: none"> - 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. - Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric. - Skip hoist for material transport should be totally enclosed by impervious sheeting. - Every vehicle should be washed to remove any dusty materials from its body and wheels before leaving a construction site. - 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, 	Work sites / during construction	Contractor and Independent Environmental Checker					ETWB TCW No. 33/2002, 31/2004, 19/2005

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	<p>bituminous materials or hardcores.</p> <ul style="list-style-type: none"> - 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. - All dusty materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet. - The height from which excavated materials are dropped should be controlled to a minimum practical height to limit fugitive dust generation from unloading. - 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. 							
S3.5	<p>Chemical Waste</p> <p>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</p>	Work Sites / during construction	Contractor					<p>Waste Disposal (Chemical Waste) (General) Regulation</p> <p>Code of Practice on the Packaging, Labelling and</p>

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
	CWTF or other licensed facility, in accordance with the <i>Waste Disposal (Chemical Waste) (General) Regulation</i> .							Storage of Chemical Wastes
S3.5	<p>General Refuse</p> <p>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.</p>	Work Sites / during construction	Contractor					<p>Waste Disposal Ordinance</p> <p>Water Pollution Control Ordinance</p>

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Table 1.5 Implementation Schedule for Landscape and Visual Impacts

EIA Ref	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stages*				Relevant Legislation and Guidelines
				Des	C	O	Dec	
S3.8.12	<p>Construction Phase</p> <ul style="list-style-type: none"> - All existing trees should be carefully protected during construction. - 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. - Control of night-time lighting. - Erection of decorative screen hoarding. 	Works area / During Construction Phase	Contractor	√	√			EIAO-TM
S3.8.13	<p>Operation Phase</p> <ul style="list-style-type: none"> - Compensatory tree planting should be incorporated into the proposed projects where trees are affected. - Tall buffer screen tree / shrub / climber planting should be incorporated to soften hard engineering structures and facilities. - Sensitive streetscape design should be incorporated along all new roads to reflect the new urban development in Kai Tak. - Structure, ornamental tree / shrub / climber planting should be provided along roadside amenity strips and central dividers to enhance the townscape quality, where space is available. - Aesthetically pleasing design as regard to the form, material and finishes should be incorporated to all buildings, engineering structures and associated infrastructure facilities. 	Project area / During Design stage and Operation Phase	CEDD	√		√		EIAO-TM

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

Reporting Period: August 2021 to October 2021

Contract No.	Record of Complaint (Yes/No)	Record of Warning (Yes/No)	Notification of Summons and Successful Prosecutions (Yes/No)
ED/2018/05	Yes	No	No

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

Contract No.	Record of Complaint	Record of Warning	Notification of Summons and Successful Prosecutions
ED/2018/05	2	0	0

Complaint Log for ED/2018/05				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Recommendations / Actions	Close-Out Date / Status
K19/RE/00023285-21	5 October 2021	1. Complainant said that the spraying of water for dust control and the cleaning of vehicles at the site exit to Concorde Road caused water and muddy water being splashed onto road affecting drivers.	1 The wheel washing area is within the hard paved area of the site and no water will be sprayed outward 2. The workers are reminded to be aware of the use of water jet. 3. The contractor has used water truck to conduct regular cleaning at existing carriageway in the early morning	7 October 2021