

**Provision of Environmental Team consultancy  
for Design and Construction of Kong Nga Po Police  
Training Facilities (Programme No. 279LP)**

**Monthly Environmental Monitoring and  
Audit Report for January 2026  
(Version 1.1)**

**Disclaimer**

The information provided in this report is for presentation. All information in the report is provided in good faith, and every effort has been made for the information contained herein at the time of publication. However, our company disclaims all responsibilities and liabilities for incompleteness within this report.

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Our ref: 12-2-2026

12-2-2026

By email: kwokhw@archsd.gov.hk

Architectural Services Department  
40/F, High Block, Queensway Government Offices,  
66 Queensway, Hong Kong  
(Attr: Mr. Vincent Kwok)

Dear Mr. Kwok,

**Re: Quotation No. PMB202/8480/2022/A01/A**  
**Provision of Environmental Team consultancy for Design and Construction of Kong Nga Po**  
**Police Training Facilities (Programme no. 279LP)**  
**-Submission of the monthly EM&A report in January 2026**

We refer to the Environmental Permit No. FEP-01/510/2016 for the captioned project.

Subject to the accuracy and authenticity of all the information provided to us, we hereby certify, in accordance with Conditions 3.4 of Environmental Permit No. FEP-01/510/2016, that the information is a representation of what it signifies.

Thank you very much for your attention and please feel free to contact Mr. Lee at 9382 4204 should you require further information.

Yours faithfully,

For and on behalf of  
Ka Shing Management Consultant Limited



Mr. W. H. Lee  
Environmental Team Leader

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**EXECUTIVE SUMMARY****Introduction**

E1. This document represents the 34th monthly report detailing the Environmental Monitoring and Audit (EM&A) activities for the Kong Nga Po Police Facilities Project, which operates under Environmental Permit No. FEP-01/510/2016. This report was prepared by Ka Shing Management Consultant Ltd. (Ka Shing) under "Service Contract Quotation No. PMB202/S480/2022/A01/A Provision of Environmental Team consultancy for Design and Construction of Kong Nga Po Police Training Facilities" (hereinafter called the "Service Contract"). The report encapsulates the EM&A activities and findings carried out between the 1st and 31st of January 2026.

E2. On the 23rd of December 2022, a section of the construction site was transferred to the Architectural Services Department (ArchSD), which assumed responsibility for the building's construction. Furthermore, ArchSD has taken on the role of maintenance agent for the Hong Kong Police Force (HKPF) throughout the operational phase.

E3. In the month covered by this report, the Project of Police Facilities at Kong Nga Po, which operates under Environmental Permit No. FEP-01/510/2016, engaged in the following contractual work: Contract No. SSK509, which encompasses the design and construction of the Kong Nga Po Police Training Facilities.

**Environmental Monitoring and Audit Progress**

E4. A summary of the EM&A activities in this reporting month is listed in **Table I** below:

Table I Summary Table for EM&A Activities in the Reporting Month

EM&A Activities	Date
Noise Monitoring	9, 15, 21, 27 January 2026
Air Quality Monitoring	3, 9, 15, 21, 27 January 2026
Environmental Site Inspection	9, 15, 21, 27 January 2026
Ecological Monitoring	5, 31 January 2026
Landscape & Visual Inspection	9, 15, 21, 27 January 2026

**Breaches of Action and Limit Levels**

E5. Summary of the environmental exceedances of the reporting month is tabulated in **Table II**.

**Construction Noise**

E6. During the reporting month, the planned noise monitoring for construction took place as scheduled, with no recorded incidents of the Action/Limit Levels being exceeded.

**Air Quality**

- E7. Throughout the reporting period, all planned air quality monitoring associated with construction was executed, and there were no recorded instances where the Action/Limit Levels were surpassed.

Table II Summary Table for Events Recorded in the Reporting Month

Environmental Monitoring	Parameter	No. of Non-Project related Exceedances		No. of Exceedance related to the Construction Works of the Contract		Action Taken
		Action Level	Limit Level	Action Level	Limit Level	
Noise	$L_{eq}(20min)$	0	0	0	0	N/A
Air Quality	1-hr TSP	0	0	0	0	N/A

**Ecological Monitoring**

- E8. The ecological monitoring slated for the reporting month was conducted according to schedule. Details of the findings from this ecological monitoring for the respective period are available in **Appendix H**.

**Environmental Non-Compliance**

- E9. During the reporting month, no environmental compliance violations were documented.

**Environmental Complaint**

- E10. No environmental complaints were recorded during the reporting period. In the event of any complaints, they would be documented in the Complaint Log found in **Appendix M**.

**Notification of Summons and Successful Prosecutions**

- E11. Throughout the month covered in this report, there were no instances of receiving notifications regarding summons or confirmations of successful prosecutions.

**Reporting Changes**

- E12. On the 23rd of December 2022, a section of the construction site was handed over to the Architectural Services Department (ArchSD). ArchSD has taken on the task of overseeing the construction activities for the building. This Monthly Environmental Monitoring and Audit (EM&A) Report offers a summary of the site operations and the status of the environmental safeguards being implemented under the contract with ArchSD.

**Future Key Issues**

- E13. The major site activities for the coming three months include:
1. Open cut excavation
  2. Removal of soil

3. Construction of substructure and superstructure
4. Installation of structural steelworks for 300m baffle range
5. Backfilling
6. U.U. Lead in and Pipe Duct Connection
7. E&M installation

E14. The aforementioned construction activities could potentially lead to environmental impacts, with the primary concerns centered around construction dust, noise, water quality, and waste management. For detailed information, please refer to **Appendix A** regarding the anticipated major impacts from the construction works and corresponding recommended mitigation measures.

## 1 INTRODUCTION

1.1 The ArchSD has commissioned Ka Shing Management Consultant Ltd. (Ka Shing) as the Environmental Team (ET) to conduct the Environmental Monitoring and Audit (EM&A) activities for the Kong Nga Po Police Facilities Project, as dictated by Environmental Permit No. FEP-01/510/2016.

1.2 The main construction activities for the Project began on the 3rd of July, 2020, and the primary location at Kong Nga Po was handed over to the ArchSD on the 23rd of December, 2022. The ArchSD has assumed control over the building construction tasks and will serve as the maintenance representative for the Hong Kong Police Force (HKPF) once the project is operational.

### **Purpose of the report**

1.3 This document constitutes the 34th EM&A Report, offering a consolidated overview of the monitoring outcomes for impacts and the audit results from the EM&A program over the reporting interval spanning from the 1st and 31st of January 2026.

### **Structure of the report**

1.4 The structure of the report is as follows:

Section 1: Introduction

Section 2: Project Information

Section 3: Noise Monitoring

Section 4: Air Quality Monitoring

Section 5: Landscape and Visual Monitoring

Section 6: Ecological Monitoring

Section 7: Environmental Site Inspection

Section 8: Environmental Non-conformance

Section 9: Future Key Issues

Section 10: Conclusions and Recommendations

## 2 PROJECT INFORMATION

### Background

- 2.1 The Project mainly includes construction and operation of various police facilities. The police facilities include:
- (i) a helipad;
  - (ii) two firing ranges; and
  - (iii) other facilities, associated infrastructure & utilities, etc.
- 2.2 The Project falls under the category of a Designated Project as defined by the Environmental Impact Assessment Ordinance (EIAO). In October 2016, an Environmental Impact Assessment (EIA) Report (Report No.: AEIAR-201/2016) was approved for the Project in accordance with the EIA Study Brief (No. ESB-276/2014) and the Technical Memorandum on Environmental Impact Assessment Process (EIAO-TM). The corresponding Environmental Permit (EP no.: FEP-01/510/2016) was issued by the Director of Environmental Protection (DEP).
- 2.3 As per the approved Environmental Monitoring and Audit (EM&A) Manual, a comprehensive air quality and noise monitoring program is recommended during the construction phases of the Project to assess and monitor potential dust and noise nuisances. Prior to the commencement of the Project's construction works, baseline air quality and noise monitoring were conducted by the previous Environmental Team (Wellab Limited) from 14th March, 2020, to 2nd April, 2020, to establish the pre-existing conditions at designated sensitive receivers.
- 2.4 **Figure 1** displays the site layout plan for the Project.

### Project Organization

- 2.5 Various stakeholders with varying degrees of participation are part of the Project's organizational structure under Environmental Permit number: FEP-01/510/2016, which includes:
- Project Proponent – Architectural Services Department (ArchSD)
  - Contractor– China State JV
  - Environmental Team (ET) – Ka Shing Management Consultant Ltd.
  - Independent Environmental Checker (IEC) – Acuity Sustainability Consulting Limited
- 2.6 **Table 2.1** summarizes the contact information for key personnel associated with Quotation No. PMB202/S480/2022/A01/A and additional contacts linked with the ArchSD Contract No. SSK509.

Table 2.1 Key Contacts of the Project

Party	Role	Contact Person	Phone No.	Fax No.
Architectural Services Department	Project Proponent	Mr. Vincent Kwok	2867 3939	3542 5223

Contractor (China State JV)	Site Agent	Mr. Kelvin Chan	6272 8828	2866 6325
	Environmental Officer	Ms. Marian Kong	6174 9735	
		Mr. LuLu Mar	5998 8852	
Ka Shing Management Consultant Ltd.	ETL	Mr. W.H. Lee	2618 2166	2120 7752
Acuity Sustainability Consulting Limited	IEC	Ir. Y.H. Law	2698 6833	2698 9383

### Summary of Construction Works Undertaken During Reporting Month

2.7 Significant site activities conducted on-site during the reporting month comprised:

1. Open cut excavation
2. Removal of soil
3. Construction of substructure and superstructure
4. Construction of fence wall and boundary wall
5. Backfilling
6. U.U. Lead in and Pipe Duct Connection
7. E&M installation

### Construction Programme

2.8 **Appendix A** contains a version of the Contractors' construction schedules. The primary site activities planned by the Contractor for the upcoming three months have been examined. In **Appendix O**, the expected environmental impacts' potential severity and the deployment of equipment have been evaluated. This appendix additionally provides the Contractor with recommendations and insights on alternative approaches aimed at raising environmental consciousness, refining practices on the construction site, and fostering environmental improvements.

2.9 **Table 2.2** presents a consolidated overview of the pertinent environmental protection permits, licenses, and/or notifications associated with this Project.

Table 2.2 Status of Environmental Licences, Notifications and Permits

Permit / Licence No.	Valid Period		Status
	From	To	
<b>Further Environmental Permit (FEP)</b>			
FEP-01/510/2016	N/A	N/A	Valid
<b>Construction Noise Permit (CNP)</b>			
GW-RN1298-25	10-11-2025	09-03-2026	Valid
<b>Notification pursuant to Air Pollution Control (Construction Dust) Regulation</b>			
EPD Ref no.: 487864	N/A	N/A	N/A

Billing Account for Construction Waste Disposal			
Account No. 7046289	18-01-2023	N/A	Valid
Registration of Chemical Waste Producer			
WPNS213-641-C4770-01	18-01-2023	N/A	Valid
Effluent Discharge Licence under Water Pollution Control Ordinance			
WT00043663-2023	21-04-2023	30-04-2028	Valid

### Summary of EM&A Requirement

2.10 The Environmental Monitoring and Audit (EM&A) program includes the monitoring of construction noise, air quality, ecological conditions, and regular environmental site audits. The specific requirements for the EM&A program are outlined in the following sections:

- Environmental requirements in contract documents;
- Event / Action Plans;
- Environmental mitigation measures, as recommended in the Project EIA study final report;
- All monitoring parameters; and
- Action and Limit levels for all environmental parameters.

### Status of Compliance with Environmental Permits Conditions

2.11 Table 2.3 provides a summary of the adherence to Environmental Permit (EP) No. FEP-01/510/2016 and the necessary submissions connected to this Project as stipulated by the EP.

Table 2.3 Summary Table for Status of Compliance / Required Submission under FEP No. FEP-01/510/2016

FEP Conditions	Submission	Submission Date	Approval Status
1.12	Commencement date of construction of the Project	30/3/2023	*
2.7	Proposal on the Reporting Mechanism and Curriculum Vitae of the IEC	20/3/2023	*
2.10	The date of setting up the Community Liaison Hotline and the contact details	27/2/2023	*
2.11	Management Organization of Main Construction Companies, at least an organization chart, names of responsible persons and their contact details	10/3/2023	*
2.12	Construction Works Schedule and Location Plans	10/3/2023	*
2.13	Layout plan for permeable pavings.	Submitted to EPD on 29/3/2023. Supplementary information submitted to EPD on 23/3/2024. R1 was submitted to ET & IEC on 11/9/2025.	For approval

		R-to-C of ET was submitted thru email on 27/11/2025. Revision was submitted to ET on 23/12/2025. Submitted to EPD on 6/1/2026.	
2.14	Landscape and visual mitigation plan	Submitted to EPD on 24/3/2025. R2 was submitted to ArchSD for review on 19/9/2025. R2 was submitted to ET & IEC on 25/11/2025.	For approval
2.16	Plan for perimeter walls/ boundary wall sat project site and sidewalls of firing range	6/12/2024 Supplementary information submitted to EPD by email on 2/5/2025.	For approval
2.19	Submission of Helicopter Flight Plan	1 month before commencement of operation of Helipad	Notification
3.3	Baseline Air Quality and Noise Monitoring Report	30/3/2023	Deposit
4.2	Internet address of a dedicated web site	13/4/2023	*

Remarks: \* Approval not required in FEP-01/510/2016

### 3 NOISE MONITORING

#### Monitoring Requirements

3.1 Following the EM&A Manual, monitoring of construction noise was performed by measuring the A-weighted equivalent continuous sound pressure level ( $L_{eq}$ ) to track noise generated by construction operations. Each monitoring station is scheduled for weekly noise assessments, with one set of readings to be taken from 0700 to 1900 hours on typical weekdays. The predefined Action/Limit Levels for the environmental monitoring activities are presented in **Appendix B**.

#### Monitoring Location

3.2 As per Section 3.2.3 of the EM&A Manual, impact noise monitoring took place at fourteen specified noise monitoring stations. Following the guidelines of the Project's Environmental Impact Assessment (EIA) report, noise monitoring stations situated within a 300-meter radius of the Project's boundary were taken into account. Consequently, six noise monitoring stations identified as relevant monitoring locations are depicted in Figure 3. The specific locations of these noise monitoring stations are detailed in **Table 3.1**.

Table 3.1 Location of Noise Monitoring Stations

Monitoring Station	Location of Measurement
NM9	Village House, Kong Nga Po
NM10	Village House, Kong Nga Po
NM11	Village House, Kong Nga Po
NM12	Village House, Kong Nga Po
NM13	Village House, Kong Nga Po
NM14	Village House, near Man Kam To Road

#### Monitoring Equipment

3.3 Impact noise monitoring was carried out using Integrating Sound Level Meters. These meters, classified as Type 1, are capable of providing continuous readings of noise levels, including the equivalent continuous sound pressure level ( $L_{eq}$ ) and percentile sound pressure level ( $L_x$ ), and they conform to the specifications of International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1). The noise monitoring equipment utilized is summarized in **Table 3.2**. The calibration certificates for these devices can be found in **Appendix C**.

Table 3.2 Noise Monitoring Equipment

Equipment	Model	Quantity
Sound Level Meter	BSWA 308	5
Sound Level Meter	Rion NL53	1
Sound Calibrator	SOUNDTEK ST-120	1

### Monitoring Parameters, Frequency and Duration

3.4 Table 3.3 encapsulates the variables monitored, the frequency of monitoring, and the total time span of the noise monitoring activities. The schedule for noise monitoring can be located in Appendix D.

Table 3.3 Noise Monitoring Parameters, Duration and Frequency

Monitoring Stations	Parameter	Duration	Frequency	Measurement
NM9	L10(30 min.) dB(A) <sup>[2]</sup>	0700-1900 hrs on normal weekdays	Once per week	Free field <sup>[1]</sup>
NM10				Free field <sup>[1]</sup>
NM11	L90(30 min.) dB(A) <sup>[2]</sup>			Façade
NM12				Façade
NM13	Leq(30 min.) dB(A) <sup>[2]</sup>  (as six consecutive Leq, 5min readings)			Free field <sup>[1]</sup>
NM14				Free field <sup>[1]</sup>

#### Remarks:

[1]: Correction of +3dB (A) for Free-field Measurement.

[2]: A-weighted equivalent continuous sound pressure level (Leq). It is the constant noise level which, under a given situation and time period, contains the same acoustic energy as the actual time-varying noise level.

L10 is the level exceeded for 10% of the time. For 10% of the time, the sound or noise has a sound pressure level above L10.

L90 is the level exceeded for 90% of the time. For 90% of the time, the noise level is above this level.

### Monitoring Methodology and QA/QC Procedures

3.5 The procedures for noise monitoring were conducted in this manner:

- The sound level meter was mounted on a tripod, positioned 1 meter away from the outside of the noise-sensitive facade and at a height of 1.2 meters above ground level;
- To achieve free field measurement conditions, the meter was placed at a distance from any reflective surfaces, and the measured noise levels were then corrected by adding +3 dB(A);
- The battery's condition was examined to guarantee the proper operation of the meter;
- The settings for parameters like frequency weighting, time weighting, and measurement duration were established as detailed below:
  - frequency weighting: A
  - time weighting: Fast

-time measurement: Leq(30 min.) dB(A)

- Noise levels were measured as six consecutive Leq, 5-minute readings during the hours when restrictions did not apply (specifically, from 0700 to 1900 hrs on normal weekdays).
- Calibration of the meter was performed before and after each noise measurement session using a Calibrator set to 94.0 dB at 1000 Hz. Should there be a discrepancy greater than 1.0 dB in calibration levels pre- and post-measurement, the data would be deemed invalid. A repeat measurement would then be necessary following recalibration or repair of the equipment.
- Throughout the monitoring period, parameters such as Leq, L90, and L10 were documented. Observations regarding site conditions and noise origins were also noted on a standard recording form.
- Noise measurements were temporarily halted during instances of significant intrusive noise (for example, barking dogs or helicopter sounds), where feasible. An observation record for the measurement period was to be provided.
- Noise monitoring was suspended in conditions of fog, rain, or when wind speeds were consistently above 5 m/s, or during gusts surpassing 10 m/s. Wind speeds were verified using a portable anemometer capable of measuring speed in meters per second (m/s).

### Maintenance and Calibration

- 3.6 Every three months, the microphone head of the sound level meter and the calibrator was gently wiped clean using a soft fabric.
- 3.7 Annually the sound level meter and calibrator underwent inspection and calibration.
- 3.8 Before and after conducting each noise measurement, the precision of the sound level meter must be verified with an acoustic calibrator that produces a set sound pressure level at a specific frequency. Only when the pre- and post-measurement calibration levels are within a 1.0 dB range of each other will the measurements be considered valid.

### Results and Observations

- 3.9 **Table 3.4** provides a summary of the noise monitoring outcomes. For an in-depth account and visual depiction of the noise monitoring, refer to **Appendix F**. A summary of the meteorological data for the reporting period is compiled in **Appendix G**.

Table 3.4 Summary Table of Noise Monitoring Results during the Reporting Month

Monitoring Station	Average	Range	Baseline Level	Limit Level
	Leq (30 min) dB(A)	Leq (30 min) dB(A)	dB(A)	dB(A)
NM9 <sup>[1]</sup>	63.2	51.8-73.0	55.9	75
NM10 <sup>[1]</sup>	56.1	47.2-68.2	52.8	
NM11	48.9	33.4-61.4	46.4	
NM12	60.1	44.1-74.0	54.7	
NM13 <sup>[1]</sup>	52.7	27.4-72.3	61.3	
NM14 <sup>[1]</sup>	48.7	31.7-69.6	59.6	

Remarks: [1] Correction of +1dB (A) for Free-Field Measurement

3.10 Noise monitoring related to construction activities took place according to the planned schedule for the month reported. There were no instances where the Action/Limit Levels were surpassed. A summary of exceedance records for the reporting month can be found in **Appendix J**.

3.11 Based on observations made in the field, the primary sources of noise detected at the allocated noise monitoring stations during the reporting month are as outlined below:

Table 3.5 Observation at Noise Monitoring Stations

Monitoring Station	Major Noise Source
NM9	Loading & unloading, Road traffic, Excavation works
NM10	Loading & unloading, Road traffic, Excavation works
NM11	Road traffic
NM12	Loading & unloading, Road traffic
NM13	Loading & unloading, Road traffic
NM14	Dog barking, Road traffic

#### Event and Action Plan

3.12 If any non-compliance with the criteria related to the project arises, measures will be taken following the procedures outlined in the Event Action Plan provided in **Appendix I**.

## 4 AIR QUALITY MONITORING

### Monitoring Requirements

- 4.1 As per the EM&A Manual, 1-hour Total Suspended Particulates (TSP) monitoring was carried out to keep track of the air quality associated with the Works Contracts. The predetermined Action/Limit Levels for the air quality monitoring activities are detailed in **Appendix B**.
- 4.2 Monitoring for 1-hour Total Suspended Particulates (TSP) impacts was performed at a minimum of three times within each six-day period at a designated air quality monitoring station.

### Monitoring Location

- 4.3 In line with Section 2.2.5 of the EM&A Manual, impact air quality monitoring took place at two specified monitoring stations for the Project, as depicted in Figure 2. The positions of the air quality monitoring stations are detailed in **Table 4.1**.

Table 4.1 Location for Air Quality Monitoring Stations

Monitoring Station	Location of Measurement
AM1	Village House, Kong Nga Po
AM2	Village House, Kong Nga Po

### Monitoring Equipment

- 4.4 Due to the denial by local villagers to set up a High-Volume Sampler (HVS) for 1-hour Total Suspended Particulates (TSP) monitoring at the chosen locations and the inability to secure an electricity supply for the HVS, direct-reading dust meters were utilized instead to conduct the 1-hour TSP monitoring. Direct-reading dust meters are widely accepted instruments for measuring 1-hour TSP levels and have been used in the same infrastructure project. The issue to use direct-reading dust meters was presented to the Independent Environmental Checker (IEC). The application of the direct-reading dust meter allows for immediate and straightforward results, facilitating timely EM&A reporting and the execution of the event and action plan. To ensure the validity and accuracy of the readings obtained by the direct-reading method, the HVS performed 1-hour sampling on a bi-monthly schedule.
- 4.5 **Table 4.2** provides a summary of the apparatus employed in the impact air quality monitoring program. The calibration was conducted by Aquality Testconsult Limited. Copies of the calibration certificates for the equipment can be found in **Appendix C**.

Table 4.2 Air Quality Monitoring Equipment

Equipment	Model and Serial No.	Quantity	The valid period is until
Dust Monitor	AEROCET-831/ D12641	1	19 March 2026
Dust Monitor	AEROCET-831/ F12258	1	9 September 2026

4.6 Weather data was sourced from the "Hong Kong Observatory - General Weather Conditions during the Monitoring Period (January 2026)" detailed in **Appendix G**, which was used as a substitute approach to acquire representative wind data.

4.7 During the monitoring days, the field staff also documented the prevailing weather conditions, such as whether it was sunny, cloudy, fine or rainy.

#### Monitoring Parameters, Frequency and Duration

4.8 **Table 4.3** encapsulates the monitoring variables and the regularity of impact dust assessments conducted throughout the Works Contracts operations. The schedule for air quality observation for the month in question is presented in **Appendix D**.

Table 4.3 Impact Dust Monitoring Parameters, Frequency and Duration

Parameters	Frequency
1-hr TSP	Three times/ 6 days

#### Monitoring Methodology and QA/QC Procedure

##### 1-hour TSP Air Quality Monitoring

##### Instrumentation

4.9 The air quality monitoring utilized a direct reading dust meter, as indicated in **Table 4.2**.

4.10 The procedures for operating the dust meter adhere to the guidelines set forth in the Manufacturer's Instruction Manual, as described below:

- The 1-hour dust meter is placed at least 1.3 meters above ground.
- Press and hold the Power key momentarily to power on the unit and make sure that the battery level was not flash or in low level.
- Allow the instrument to stand for about 3 second to display the Sample Screen minutes.
- Press the START / STOP key to run the internal vacuum pump for 1 minute and ready to use.
- Use the select dial to select the PM range and press the START / STOP key to start a measurement.
- Finally, push the START/STOP key to stop the measuring after 3-hour sampling.

- Information such as sampling date, time, value and site condition were recorded during the monitoring period.
- All data were recorded in the data logger for further data processing.

#### *Maintenance/Calibration*

- 4.11 The dust meter required the following maintenance and calibration:
- The dust meter must be checked and calibrated against a High Volume Sampler (HVS) to validate the precision and accuracy of the readings obtained through the direct reading method.
  - The correlation between the dust meter and HVS in measuring TSP was established by directly comparing the mass of dust particles collected on a filter paper by the HVS against the dust meter's reading. For accurate calibration, both the dust meter and the HVS should be turned on and off at the same location and at the same time.
  - The correlation coefficient was verified to confirm the relationship between the readings from the dust meter and the HVS. This correlation factor was ascertained by comparing the outcomes from both the HVS and the dust meter.
  - Prior to the initiation of dust monitoring, a check must be conducted to verify that all equipment is operational and has the necessary power supply. A zero count test was performed before and after each monitoring session to ensure accuracy.

#### **Results and Observations**

- 4.12 The outcomes of the 1-hour TSP monitoring are condensed in **Table 4.4**. For a comprehensive view, detailed results and graphical representations of the 1-hour TSP monitoring data can be found in **Appendix E**.

Table 4.4 Summary Table of 1-hour TSP Monitoring Results during the Reporting Month

Monitoring Station	Concentration ( $\mu\text{g}/\text{m}^3$ )		Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
	Average	Range		
AM1	134	39-239	308	500
AM2	96	24-243	311	

- 4.13 The 1-hour TSP monitoring took place according to the planned timetable for the reporting month, and there were no instances of exceeding the established Action/Limit Levels.
- 4.14 Based on field observations, the primary sources of dust at the specified air quality monitoring stations during the reporting month are listed in **Table 4.5**.

Table 4.5 Observation at Dust Monitoring Stations

Monitoring Station	Major Dust Source
AM1	Equipment operation and movement / road traffic, exposed site area, site vehicle
AM2	Road traffic, exposed site area, site vehicle / equipment operation and movement, vehicle / equipment operation and movement at warehouse nearby

**Event and Action Plan**

- 4.15 In the event of a project-related violation of the criteria, measures will be taken as specified by the Event Action Plan detailed in **Appendix I**.

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## 5 LANDSCAPE AND VISUAL MONITORING

### Monitoring Requirements

- 5.1 The EIA Report recommends implementing strategies to mitigate impacts on landscape and visual resources throughout both the construction and operational phases of the Project.
  
- 5.2 The execution and upkeep of compensatory planting for landscaping are critical components of this process and must be monitored to confirm their complete fulfillment. It is essential to promptly address any potential clashes between the proposed landscaping efforts and other Project tasks or operational needs to ensure that the mitigation measures' objectives are not compromised. Furthermore, the enforcement of the mitigation measures advised by the EIA will be tracked continuously through the site audit program for the construction phase.
  
- 5.3 The Environmental Team (ET) carried out a fortnightly review of the execution of measures aimed at mitigating landscape and visual impacts as part of the weekly site audits. The findings and observations from these audit sessions are encapsulated in **Table 5.1**, while the status of implementation can be found detailed in **Appendix K**.

## 6 ECOLOGICAL MONITORING

### Monitoring of Flora Species of Conservation Interest

- 6.1 In line with Section 8.3.2 of the EM&A Manual, a temporary protective barrier must be installed around the plant species of conservation significance identified in the detailed vegetation survey throughout the construction phase. This barrier should be well-maintained and regularly checked to ensure its effectiveness. Monthly checks of each plant species of conservation interest, as pinpointed in the detailed vegetation survey, are required during the construction phase to ensure that these species remain unaffected by the project's construction activities.
- 6.2 The monitoring aims to oversee the prompt execution of suitable environmental management practices and the application of mitigation measures concerning the preserved and relocated specimens of flora species of conservation interest. The correct setup and upkeep of the temporary protective fence surrounding these specimens were examined to assess its efficacy. The protective measures outlined in the approved transplantation proposal's implementation schedule were supervised.
- 6.3 As per the sanctioned detailed vegetation survey report and transplantation proposal, it was determined that 71 *Bratnaea insignis* specimens, 41 *Spiranthes sinensis* specimens, and 3 *Aquilaria sinensis* specimens should be relocated to the designated receiving site. Additionally, it was decided to preserve in situ 51 *Keteleeria fortunei* specimens, along with 26 small seedlings of *Keteleeria fortunei* and 7 small seedlings of *Aquilaria sinensis*, in the vicinity of Kong Nga Po Road near the Police Dog Unit and the Force Search Unit Training School.

### Post-Transplantation Monitoring and Maintenance Programme

- 6.4 In line with the accepted transplantation proposal, the Contractor is mandated to carry out post-transplantation monitoring weekly for the first three months, and then monthly for the remainder of the 12-month establishment phase as well as the subsequent post-establishment phase, continuing until the construction phase of the Project concludes. This routine monitoring is critical for promptly identifying the growth condition of the transplanted species, any signs of construction work within or in the vicinity of the receptor site, and any changes in the environmental conditions of the receptor site.
- 6.5 For the initial year of acclimatization, it was advised to carry out maintenance activities to promote the robust growth of the transplanted species. Considering the state of the transplanted organisms following the 12-month establishment period, it was advised that maintenance activities continue through the Post-establishment Period until the completion

of the Construction Phase. It was recommended to water the transplants daily for the first three months following the move, as well as throughout periods of drought, to maintain soil moisture. Additional maintenance tasks, such as mulching and weeding, should be performed as necessary.

## Results and Observations

6.6 During the reporting month, the Contractor carried out monthly evaluations of the flora species of conservation interest on the 31 January 2026. The enforcement of the protective measures detailed in the approved transplantation proposal was reviewed, along with the maintenance of the temporary protective fencing. **Appendix H** contains the photographic documentation and checklists from the monthly assessments. The health of the transplanted and retained species was generally observed to be average to poor. The Contractor was urged to keep a vigilant eye on the transplanted species and to implement the protective measures as specified in the approved transplantation proposal to safeguard these species. Furthermore, the Contractor was given the following directives:

- 1) To provide new identification tags for any *Brainea insignis* that were missing them;
- 2) To substitute any plant labels at the receptor site that had become illegible due to fading;
- 3) To refer to the soil improvement guidelines published by the Greening, Landscape and Tree Management Section (GLTMS) of the Development Bureau (2022) for application in the monitoring and upkeep of the transplanted plant species;
- 4) To set up shade nets;
- 5) To ensure the soil remains moist by adhering to the necessary daily watering schedule.

### Transplanted *Brainea insignis* and *Spiranthes sinensis*

6.7 From May 21st to 28th, 2020, 71 *Brainea insignis* specimens and 41 *Spiranthes sinensis* specimens were relocated to the receptor site. The detailed account of the transplantation process was compiled in a Transplantation Report and forwarded to ET(Wellab), IEC(Acuity), and the Supervisor (AECOM) for their examination and documentation. Monitoring after transplantation took place weekly for the initial three months (from June to August 2020) and then monthly throughout the subsequent 12-month establishment period, as well as the post-establishment phase, culminating with the conclusion of the construction phase of the Project. The Contractor was responsible for tracking the health of the transplanted species and carried out maintenance measures such as watering, mulching, and weeding during the first year to nurture the transplanted species' healthy development. Monitoring of the transplanted *Brainea insignis* and *Spiranthes sinensis* took place on the 31 January 2026, within the reporting period, with the findings documented in **Appendix H**. Particular attention was given to the transplanted *Brainea insignis* specimens that were impacted by a bushfire on February 2nd, 2021, with their progress detailed in the post-

transplantation monitoring records. The health of the preserved species was noted to be generally fair. The Contractor was advised to maintain vigilant monitoring of these species and to enforce the stipulated protective measures to ensure their continued preservation.

- 6.8 During the monthly checks, it was observed that there were no construction operations or storage of equipment taking place within the receptor site. The temporary protective barrier had been correctly installed and was being well-maintained to safeguard the transplanted species.

#### **Precautionary Measure for Butterfly Species of Conservation Interest**

- 6.9 As stipulated by FEP Condition 2.17, to reduce the impact on butterfly species of conservation concern, efforts shall be made to improve the new grassland habitats within the Project site. This enhancement shall be achieved by cultivating suitable plant species that serve as the larval food source for butterflies of conservation interest, like the Small Three-Ring, thereby supporting the well-being of these species.
- 6.10 The restoration of grassland zones within the Project must be completed prior to the initiation of the Project's operational phase. Information regarding the plant species to be used as larval food plants for butterflies, along with the design and execution details, will be subsequently provided under the building works contract of ArchSD.

#### **Precautionary Measures to Minimize Indirect Disturbance on Ecology**

- 6.11 As outlined in Section 9.7.3 of the EIA Report, implementing mitigation strategies for air, noise, water, waste, and landscaping can serve as preventative actions to avert and lessen any secondary effects of disturbance or pollution resulting from construction activities on the surrounding ecology and habitats outside the site. The Environmental Team (ET) conducted weekly site audits to oversee the prompt adoption of appropriate environmental management practices and the execution of mitigation measures at the Project site. The findings from these audits are consolidated in Section 7.3.

## 7 ENVIRONMENTAL SITE INSPECTION

### Site Audits

- 7.1 The Environmental Team (ET) conducted site audits weekly to oversee the prompt adoption of appropriate environmental management practices and the execution of mitigation measures at the Contract site.
- 7.2 The Environmental Team (ET), along with representatives from the Client and the Contractor, conducted site audits on 9, 15, 21, 27 January 2026 of the reported month in 2026.
- 7.3 In the site inspections conducted over the reporting period, there were no particular environmental concerns noted. It should be recognized that these observations pertain solely to the moments of inspection. The findings and advice from these audits are compiled in **Table 5.1**. The absence of identified environmental issues during the joint site inspections does not exempt the Contractor from their obligation to adhere strictly to all legal requirements, the Particular Specifications, and the Environmental Monitoring and Audit (EM&A) Manual.

Table 5.1 Observations of Weekly site Inspection and advice

Parameters	Date	Observations	Advice
Other	9-1-2026	Sun Shade Net are in damage	Damaged Sun Shade Net is replaced
Waste Management Implications Construction Phase	15-1-2026	Discarded food can attract rodents, vermin, insects, and other pests, potentially leading to nuisance issues. For instance, fly breeding and/or rodent infestation may spread diseases and pose potential risks to the surrounding environment	Personnel are educated on the proper segregation and storage of various types of waste
Water Quality Impact Construction Phase	21-1-2026	Sediment and blockage build-up can reduce the channel's capacity to efficiently transport water, causing slower water flow and potential overflow during heavy rainfall	Maintenance and inspection of the drainage system and sediment removal facilities should be carried out regularly to remove any sediment and blockages, especially when rainstorms are forecast
Waste Management Implications Construction Phase	27-1-2026	Discarded food can attract rodents, vermin, insects, and other pests, potentially leading to nuisance issues. For instance, fly breeding and/or rodent infestation may spread diseases and pose potential risks to the surrounding environment.	Personnel are educated on the proper segregation and storage of various types of waste

### Implementation Status of Environmental Mitigation Measures

- 7.4 In accordance with the EIA Report and the Project's EM&A Manual, the outlined mitigation measures are recommended to be implemented throughout the construction phase. An overview of the Environmental Mitigation Implementation Schedule (EMIS) is available in **Appendix K**.

### Solid and Liquid Waste Management Status

- 7.5 Pursuant to the EM&A Manual, waste management practices were reviewed in the weekly site audits to assess compliance with the Project's Waste Management Plan (WMP) and pertinent legal and contractual obligations. The auditing process encompassed the examination of waste handling, storage, transport, and disposal methods.
- 7.6 The Contractor has appointed Environmental Officers on-site to manage environmental aspects, implement pollution control strategies, maintain proper site conduct, and educate workers on waste management. Efforts to reduce waste production include actively using Construction and Demolition (C&D) materials. Excavated materials have been sorted and screened on-site to salvage any recyclables. Non-reactive C&D materials were utilized on-site for backfill and to construct the haul road surface. Furthermore, inert materials from excavation activities were repurposed as fill in other local projects. Excess inert C&D materials were sent to the Government's public fill reception facilities (PFRFs) for use in other projects. To oversee the disposal of inert and non-inert C&D materials and prevent illegal dumping, a system is in place where all materials are weighed by a weighbridge before leaving the site, and the Trip Ticket System is rigorously enforced.
- 7.7 Contractor is encouraged to reduce waste production by recycling or reusing materials. It is imperative that all the mitigation strategies outlined in the EM&A Manual and the waste management plans be thoroughly executed. A summary of the progress in implementing waste management and reduction strategies is provided in **Appendix K**.
- 7.8 This Project produces inert Construction and Demolition (C&D) materials as well as non-inert C&D materials. The non-inert variety consists of general refuse and other waste materials that cannot be repurposed or recycled, necessitating disposal at assigned landfill locations. Data detailing the volume of waste resulting from the Project's construction activities over the reporting period can be found in **Appendix L**.

## 8 ENVIRONMENTAL NON-CONFORMANCE

### Summary of Exceedances

- 8.1 During the reporting month, there were no instances where the air quality exceeded the established Action and Limit Levels.
- 8.2 There were no instances of construction noise surpassing the designated Action and Limit Levels in the reporting period.
- 8.3 If the monitoring data from any specific stations reveal that environmental parameters have surpassed the Action/Limit Levels, then the procedures outlined in the Event and Action Plans in **Appendix I** should be executed. A summary of any exceedance records for the reporting month can be found in **Appendix J**.

### Summary of Environmental Non-Compliance

- 8.4 There were no records of environmental compliance breaches during the reported month.

### Summary of Environmental Complaint

- 8.5 In the month under review, no complaints were registered. A log of all complaints accumulated since the start of the Project is compiled in **Appendix M**.

### Summary of Environmental Summon and Successful Prosecution

- 8.6 Since the beginning of the Project, there have been no instances of successful environmental prosecution or receipt of summons. A comprehensive record of all environmental summonses and successful prosecutions since the Project's inception is documented in **Appendix N**.

## 9 FUTURE KEY ISSUES

### Key Issues in the Coming Three Months

- 9.1 **Appendix A** contains the provisional construction schedules for the Project. Over the next three months, the principal construction tasks to be carried out will include:
1. Open cut excavation
  2. Removal of soil
  3. Construction of substructure and superstructure
  4. Installation of structural steelworks for 300m baffle range
  5. Backfilling
  6. U.U. Lead in and Pipe Duct Connection
  7. E&M installation
- 9.2 Referring to the site layout plan found in **Appendix A**, which details the expected construction activities for the next three months, the primary environmental concerns related to these activities are likely to be construction dust, noise, water quality, waste management, landscape and visual aesthetics, and ecological impacts. The anticipated environmental effects have been factored into the mitigation strategies planned for the upcoming months.
- 9.3 The Contractor has advised mitigation measures for the next three months, which the Environmental Team (ET), Independent Environmental Checker (IEC), and the Client's Representative have reviewed through email correspondence during site audits. The Proactive Environmental Protection Proforma, which outlines the key site activities, potential environmental impacts, and advised mitigation strategies, has been examined and verified by the IEC and is displayed in **Appendix A**.
- 9.4 During construction and in periods of dry weather, dust can arise from work activities and uncovered site areas. To mitigate dust emissions that could affect nearby villages, the Contractor is advised to diligently apply air quality control measures as outlined in the layout plan in **Appendix A**, to the greatest extent possible. Moreover, the Contractor is reminded to adhere to the Project Implementation Schedule detailed in the approved EIA report/EM&A Manual, implementing suitable dust suppression tactics to curb emissions from intensive construction tasks such as ground excavation and earth moving. This includes managing all active work areas, bare site surfaces, and unpaved roads, especially under dry conditions, by covering 80% of stockpiled materials with impervious coverings and by moistening dusty substances with water just before loading and transfer activities. This ensures materials remain damp during handling in stockpile regions. Additionally, the Contractor must adhere to the prescribed dust control methods under the Air Pollution

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Control (Construction Dust) Regulation to prevent negative dust impacts from the Project's construction activities.

- 9.5 Furthermore, construction noise represents a significant environmental concern during the Project's development. It is important to implement noise reduction strategies, such as utilizing quiet machinery and installing noise barriers where relevant. The Contractor has been prompted to regularly inspect and upkeep the sound-dampening materials on noisy sections of plant and machinery, ensuring there are no openings in the noise barriers. They should also actively recognize any potential construction noise impacts to Noise Sensitive Receivers (NSRs) and introduce adequate mitigation measures when required. Additionally, residents in the nearby Kong Nga Po village should be informed in advance about any potentially noisy activities at the work site.
- 9.6 The Contractor is advised to uphold measures that protect water quality throughout the construction process. This includes constructing barriers such as dikes or embankments to prevent flooding around the perimeters of areas where soil is being moved or excavated. Provision should be made for temporary channels to direct runoff effectively into a designated watercourse via a trap designed to capture sediment from the site. These sediment/silt traps should also be integrated into the permanent drainage systems to improve the settling of particulates. It is essential to utilize effective silt removal systems to ensure that the effluent treated by the wastewater treatment plant complies with the standards specified in the WPCO licenses. The Wastewater Discharge Layout Plan, as shown in **Appendix Q** and provided by the Contractor, outlines the specific pathways through which wastewater is to be conveyed from its source to a treatment facility or point of discharge.

#### **Monitoring Schedule for the Next Month**

- 9.7 **Appendix D** displays the provisional schedule for environmental monitoring activities planned for the upcoming month.

## 10 CONCLUSIONS AND RECOMMENDATIONS

### Conclusions

- 10.1 This Monthly EM&A Report details the environmental monitoring and audit (EM&A) activities conducted in January 2026, following the guidelines set out in the EM&A Manual.
- 10.2 During the month in question, air quality monitoring did not register any instances of surpassing the Action/Limit Levels.
- 10.3 No instances of construction noise exceeding the established Action/Limit Levels were documented in the reporting month's monitoring records.
- 10.4 Site inspections focusing on environmental aspects took place on the on 9, 15, 21, 27 January 2026. Additionally, monitoring of landscape and visual impacts was performed on the 9, 15, 21, 27 January 2026, and ecological monitoring was conducted on the 9 January 2026 by ETL within the reporting month. The Contractor also conducted monitoring on 31 January 2026. There were no records of environmental non-compliance for the reporting month. It should be noted that the absence of any particular environmental issues during the joint site inspections does not exempt the Contractor from their obligation to adhere fully to all legal requirements, the specifications outlined in the contract, and the procedures in the EM&A Manual.
- 10.5 During the reporting month, there were no complaints lodged, nor were there any notices of summons or records of successful legal actions received.
- 10.6 The Environmental Team (ET) will persist in overseeing the Environmental Monitoring and Audit (EM&A) program. All environmental obligations are fulfilled, and the necessary mitigation measures are properly executed.

### Recommendations

- 10.7 Based on the environmental audits conducted during the reporting month, the subsequent advice was put forward:

#### *Air Quality Impact*

- To enhance the dust suppression measures including watering for the dust generation works, exposed site area and haul road;
- To minimize the indirect impacts on air quality resulting from the operation of machineries on the construction site, one of the measures to be adopted is the use of biodiesel B100; and

- To regular check the valid NRMM labels are properly displayed on the regulated machines and non-road vehicles

#### *Construction Noise*

- To refer to the ISO 12001:1996 or other comprehensive practices and subsequently develop a thorough inspection and maintenance protocol for the plant and equipment, maintaining a focus on Noise Control; and
- To maintain temporary noise barriers for operations of noisy equipment near the noise sensitive receivers, if necessary.

#### *Water Impact*

- To maintain the cover for open stockpile of and exposed slope;
- To keep reviewing and updating temporary drainage system;
- To maintain the earth bunds or sand bag barriers on site to direct stormwater to silt removal facilities; and
- To divert the muddy water at the retention pond to the wetsep for treatment before discharging out.

#### *Waste/Chemical Management*

- To check for any accumulation of waste materials or rubbish on site; and
- To avoid improper handling, storage and dispose of oil drums or chemical containers on site.

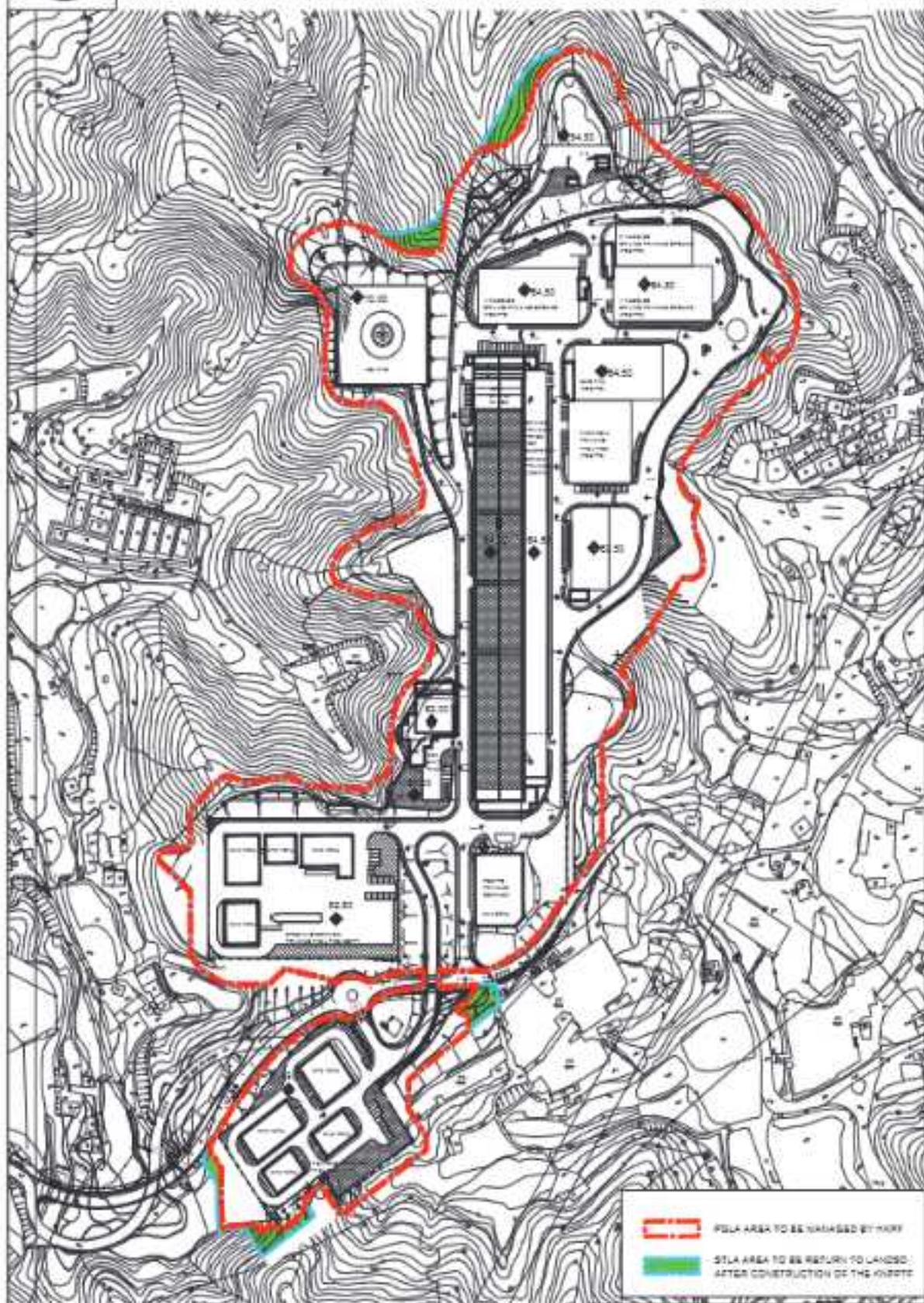
#### *Ecology*

- To maintain soil moisture, daily watering is required;
- To install a shaded net;
- To refer to the Guidelines on Soil Improvement issued by the Greening, Landscape and Tree Management Section (GLTMS) of the Development Bureau (2022) for the effective monitoring and maintenance of transplanted flora species; and
- The wild plants that are growing in undesirable areas should be removed, as they compete with the cultivated flora species of conservation interest.

#### *Landscape and Visual*

- To remove the construction materials within the tree protection zone; and
- To keep the tree protection zone large enough to protect the trees.

FIGURE(S)



 PSLA AREA TO BE CHANGED BY MLP  
 SFLA AREA TO BE RETURN TO LANDS AFTER CONSTRUCTION OF THE INFRA

MASTER  
LAYOUT  
PLAN

PROJECT CODE: 3279LP  
PROPOSED MLP FOR KONG NGA PO  
TRAINING FACILITIES

DRAWING NO.  
PBA00000101

SCALE  
1:500

DATE  
14/08  
AUGUST 2021



ARCHITECTURAL  
SERVICES  
DEPARTMENT 建築署



Figure 3

Location of Noise Monitoring Stations



**APPENDIX A  
CONSTRUCTION PROGRAMME AND  
PROACTIVE ENVIRONMENTAL  
PROTECTION PROFORMA**

# Construction Programme

(Jan – Mar 2026)

## Design &amp; Construction of Key Top 10 Police Training Facilities Programme

Section: Section 10 (2021)

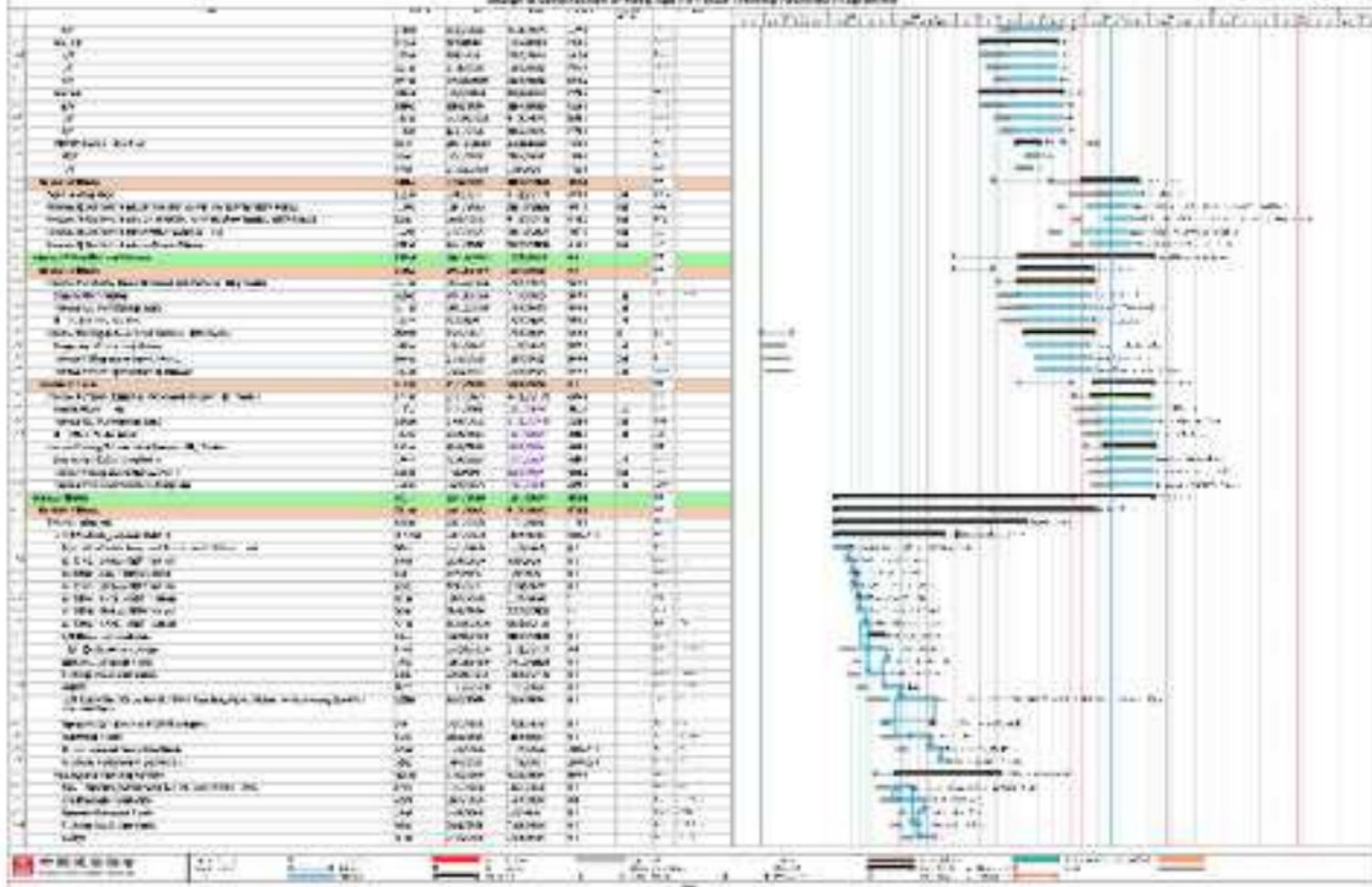
Item No.	Description	Unit	Quantity	Rate	Amount	Start Date	End Date	Remarks
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1002	1002	sqm	100	1000	100000	2021	2021	
1003	1003	sqm	100	1000	100000	2021	2021	
1004	1004	sqm	100	1000	100000	2021	2021	
1005	1005	sqm	100	1000	100000	2021	2021	
1006	1006	sqm	100	1000	100000	2021	2021	
1007	1007	sqm	100	1000	100000	2021	2021	
1008	1008	sqm	100	1000	100000	2021	2021	
1009	1009	sqm	100	1000	100000	2021	2021	
1010	1010	sqm	100	1000	100000	2021	2021	
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1097	1097	sqm	100	1000	100000	2021	2021	
1098	1098	sqm	100	1000	100000	2021	2021	
1099	1099	sqm	100	1000	100000	2021	2021	
1100	1100	sqm	100	1000	100000	2021	2021	





## Design &amp; Construction of Key for Police Training Facilities Programme

Revision: Revision 01 August 2020



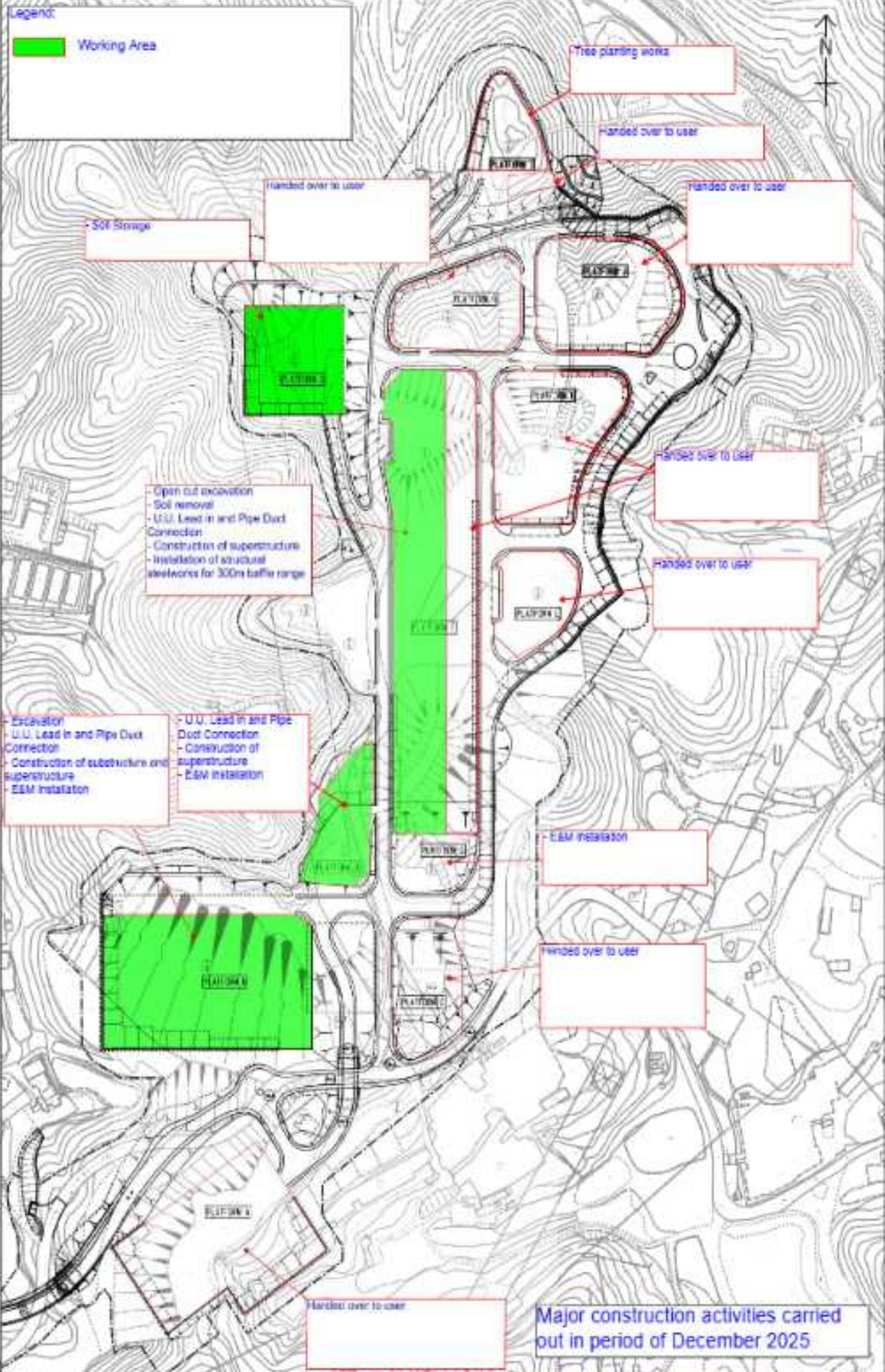




Layout Plan with major construction activities

**Legend:**

Working Area



Soil Storage

Handed over to user

Tree planting works

Handed over to user

Handed over to user

Open cut excavation  
 - Soil removal  
 - U.U. Lead in and Pipe Duct Connection  
 - Construction of superstructure  
 - Installation of structural steelworks for 300m buffer range

Handed over to user

Handed over to user

Excavation  
 U.U. Lead In and Pipe Duct Connection  
 - Construction of substructure and superstructure  
 - E&M Installation

U.U. Lead in and Pipe Duct Connection  
 - Construction of superstructure  
 - E&M Installation

E&M Installation

Handed over to user

Handed over to user

Major construction activities carried out in period of December 2025

**Legend:**

 Working Area



Soil Retention

Handed over to user

Tree maintenance work

Handed over to user

Handed over to user

PLANTING 1

PLANTING 2

PLANTING 3

PLANTING 4

Handed over to user

Excavation  
Soil removal  
U.U. Lead in and Pipe Duct  
Connection  
Construction of fence wall  
Painting  
Construction of superstructure  
Installation of structural  
steelworks for 300m baffle range

Handed over to user

Construction of superstructure  
ESM installation

PLANTING 5

Handed over to user

Excavation  
Backfilling  
U.U. Lead in and Pipe Duct  
Connection  
Construction of substructure and  
superstructure  
ESM installation

PLANTING 6

ESM installation

PLANTING 7

Handed over to user

PLANTING 8

Handed over to user

Major construction activities carried out in period of February ~ April 2026

# Proactive Environmental Protection Proforma

## Proactive Environmental Protection Programme

Ref*	Proposed Construction Method	Location/Working Period	Anticipated Major Impacts	Recommended Mitigation Measures
EIA 3.9.1; EM&A Log 3.3	Open cut excavation	Kong Nga Po Site	Dust Impact from excavation activities and earth moving	<ul style="list-style-type: none"> <li>• Use of regular water spraying (once every 1.25 hours or 8 times per day) at all active works area exposed site surfaces and unpaved roads, particularly during dry weather</li> <li>• Deploy water bowser for regular water spraying to enhance dust suppression</li> <li>• Manual water spraying for dusty operation where inaccessible by water bowser</li> <li>• Speed control of site transportation</li> <li>• Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust</li> <li>• Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site</li> <li>• Wheel washing facilities will be provided and clearing the wheel of all vehicles before leaving the site</li> </ul>
EIA 3.4.6; EM&A Log 3.2			Noise Control	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant &amp; equipment in good condition</li> </ul>

				<ul style="list-style-type: none"> <li>• Enclose the noisy part of machineries with noise enclosure</li> <li>• Adopt of Quality Powered Mechanical Equipment (QPME) if possible</li> </ul>
			Working in Restricted Hours	<ul style="list-style-type: none"> <li>• Valid construction noise permit should be obtained and displayed on site</li> <li>• In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out</li> </ul>
EIA 5.5.1.2: EM&O Log 4.3			Water Pollution Control	<ul style="list-style-type: none"> <li>• Cover the stockpiles of construction materials to reduce the potential for water pollution</li> <li>• Provide wastewater treatment facilities prior to discharge of wastewater</li> <li>• Regular inspection and maintenance of wastewater treatment facilities</li> <li>• Wastewater pumped out of the excavation areas will be treated to remove suspended solids prior to discharge</li> <li>• Hard paving or well-compact of main haul road to minimize washout of soil</li> <li>• Wheels of all vehicles and plants will be cleaned before leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged.</li> </ul>
EIA 7.5.1.1 &			Waste Generation	<ul style="list-style-type: none"> <li>• Training of site personnel in proper waste management and</li> </ul>

7.5.1.2; EM&A Log 6.7				<p>chemical handling procedures</p> <ul style="list-style-type: none"> <li>• Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling</li> <li>• Surplus inert C&amp;D materials will be disposed of at designated Government's PFRE.</li> </ul>
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	<ul style="list-style-type: none"> <li>• Chemical waste should be stored at chemical waste container and collected by a licensed collector to transport and dispose of at the approved Chemical Waste Treatment Centre</li> <li>• Drip tray and chemical spillage kit will be provided on site</li> </ul>
EIO 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> <li>• Provide training to frontline workers for the conservative species</li> <li>• Provision of protective fence for the conservative species</li> <li>• Regular inspection for concerned vegetation and conservative species</li> </ul>
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	<ul style="list-style-type: none"> <li>• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>• Restrict construction area to minimize the impact on existing retained trees</li> </ul>
EIA 3.9.1; EM&A Log 2.2	Soil Removal	Kong Nga Po Site	Dust Impact from excavation activities and earth	<ul style="list-style-type: none"> <li>• Use of regular water spraying (once every 1.25 hours or 8 times per day) at all active works area exposed site surfaces and unpaved roads, particularly during dry weather</li> </ul>

			moving	<ul style="list-style-type: none"> <li>• Water spraying during loading and unloading of excavated materials</li> <li>• Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site</li> <li>• Deploy water bowser for regular water spraying to enhance dust suppression</li> <li>• Speed control of site transportation</li> <li>• Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust</li> <li>• Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site</li> </ul>
EIA 4.4.6; EM&A Log 5.2			Noise Control	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>• Enclose the noisy part of machinery with noise enclosure</li> <li>• Adopt of Quality Powered Mechanical Equipment (QPME) if possible</li> </ul>
			Working in Restricted Hours	<ul style="list-style-type: none"> <li>• Valid construction noise permit should be obtained and displayed on site</li> <li>• In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out</li> </ul>
EIA 5.6.1.2; EM&A Log 6.2			Water Pollution Control	<ul style="list-style-type: none"> <li>• Cover the stockpiles of excavated materials to reduce the potential for water pollution</li> </ul>

				<ul style="list-style-type: none"> <li>• Provide wastewater treatment facilities prior to discharge of wastewater</li> <li>• Regular inspection and maintenance of wastewater treatment facilities</li> <li>• Wheels of all vehicles and plants will be cleaned before leaving the work areas to remove sediment, soil and debris from the tracks. The wastewater will be treated and reused on site or discharged.</li> </ul>
EIA 7.5.1.1 & 7.5.1.2. EM&A Log 6.2			Waste Generation	<ul style="list-style-type: none"> <li>• Training of site personnel in proper waste management and chemical handling procedures</li> <li>• Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling</li> <li>• Surplus inert C&amp;P materials will be disposed of at designated Government's PRF.</li> </ul>
EIA 7.5.1.3, EM&A Log 6.3			Chemical Waste	<ul style="list-style-type: none"> <li>• Chemical waste should be stored at chemical waste container and collected by a licensed collector to transport and dispose of at the approved Chemical Waste Treatment Centre</li> <li>• Drip tray and chemical spillage kit will be provided on site.</li> </ul>
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> <li>• Provide training to frontline workers for the conservative species</li> <li>• Provision of protective fence for the conservative species</li> <li>• Regular inspection for concerned vegetation and conservative</li> </ul>

EIA Table 10.11, EM&A Table 9.1			Landscape and Visual Impact	species <ul style="list-style-type: none"> <li>• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>• Restrict construction area to minimize the impact on existing retained trees</li> </ul>
EIA 3.9.1: EM&A Log 2.2	Construction of footings	Kang Nga PO Site	AV	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant and equipment in good condition</li> <li>• Regularly clean up stockpiles and debris to avoid accumulation of materials</li> <li>• Dusty materials exceeding 20 bags shall be stored in area sheltered on top and the three sides or covered entirely by impervious sheeting.</li> </ul>
EIA 4.4.6: EM&A Log 5.2			Noise Control	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>• Enclose the noisy part of machinery with noise enclosure</li> <li>• Adopt of Quality Powered Mechanical Equipment (QPME) if possible</li> </ul>
			Working in Restricted Hours	<ul style="list-style-type: none"> <li>• Valid construction noise permit should be obtained and displayed on site</li> <li>• In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out.</li> </ul>

EIA 5.6.1.2; EM&A Log 4.7			Water Pollution Control	<ul style="list-style-type: none"> <li>Wheels of all vehicles and plants will be cleaned before leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged.</li> <li>Designated location for residual concrete washout</li> <li>Provide wastewater treatment facilities prior to discharge of wastewater</li> </ul>
EIA 7.5.1.4; EM&A Log			Chemical Waste	<ul style="list-style-type: none"> <li>Drip tray and chemical spillage kit shall be provided on site</li> </ul>
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> <li>Provide training to frontline workers for the conservative species</li> <li>Provision of protective fence for the conservative species</li> <li>Regular inspection for concerned vegetation and conservative species</li> </ul>
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	<ul style="list-style-type: none"> <li>Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 3/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts</li> </ul>
EIA 3.9.1; EM&A Log 2.2	Construction of substructure and	Kong Nga Po Site	Air	<ul style="list-style-type: none"> <li>Regular inspection and maintenance of plant and equipment in good condition</li> <li>Regularly clean up stockpiles and debris to avoid</li> </ul>

	superstructure			<p>accumulation of materials</p> <ul style="list-style-type: none"> <li>Dusty materials exceeding 20 bags shall be stored in area sheltered on top and the three sides or covered entirely by impervious sheeting.</li> </ul>
EIA 4.4.E: EM&A Log 5.2		Noise Control		<ul style="list-style-type: none"> <li>Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>Enclose the noisy part of machineries with noise enclosure</li> <li>Adopt of Quality Powered Mechanical Equipment (QPME) if possible</li> </ul>
		Working in Restricted Hours		<ul style="list-style-type: none"> <li>Valid construction noise permit should be obtained and displayed on site</li> <li>in case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out.</li> </ul>
EIA 5.6.1.2: EM&A Log 4.2		Water Pollution Control		<ul style="list-style-type: none"> <li>Cover the stockpiles of construction materials to reduce the potential for water pollution</li> <li>Provide wastewater treatment facilities prior to discharge of wastewater</li> <li>Wastewater generated from surface runoff shall be treated prior to discharge</li> <li>manholes should be temporarily sealed to prevent silt, construction materials or debris from entering the drainage system.</li> </ul>

EIA 7.5.1.1; EM&A Log 6.2			Waste Management	<ul style="list-style-type: none"> <li>• Cover stockpiles of C&amp;D materials by impervious sheets to avoid wind-blown dust.</li> <li>• Spray water on all dusty materials including C&amp;D materials immediately prior to any loading transfer operation.</li> <li>• Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal.</li> </ul>
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	<ul style="list-style-type: none"> <li>• Drip tray and chemical spillage kit shall be provided on site.</li> </ul>
EIA 9.7.1 and EM&A Log 8.3			Ecology Concern	<ul style="list-style-type: none"> <li>• Provide training to frontline workers for the conservative species.</li> <li>• Provision of protective fence for the conservative species.</li> <li>• Regular inspection for concerned vegetation and conservative species.</li> </ul>
EIA Table 10.11; EM&A Table 9.1			Landscape and Visual Impact	<ul style="list-style-type: none"> <li>• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 3/2015 and Guidelines for Tree Risk Assessment and Management.</li> <li>• Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts.</li> </ul>
EIA 3.9.1; EM&A Log 2.2	Backfilling	Kong Nga Po Site	Air	<ul style="list-style-type: none"> <li>• Deploy water bowser for regular water spraying to enhance dust suppression.</li> </ul>

				<ul style="list-style-type: none"> <li>• Manual water spraying for dusty operation where inaccessible by water bowser</li> <li>• Speed control of site transportation</li> <li>• Stockpile of dusty materials will be covered by tarpaulin sheets to avoid wind-blown dust</li> <li>• Vehicles used for transporting dusty materials/spoils will be covered by mechanical cover before leaving the site</li> <li>• Wheel washing facilities will be provided and cleaning the wheel of all vehicles before leaving the site</li> </ul>
EIA 4.4.6: EM&A Log 3.2			Noise Control	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>• Enclose the noisy part of machineries with noise enclosure</li> <li>• Adopt of quality powered mechanical equipment (concrete) if possible</li> </ul>
			Working in Restricted Hours	<ul style="list-style-type: none"> <li>• Valid construction noise permit should be obtained and displayed on site</li> <li>• In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out</li> </ul>
EIA 5.6.1.2: EM&A Log 4.2			Water Pollution Control	<ul style="list-style-type: none"> <li>• Cover the stockpiles of construction materials to reduce the potential for water pollution</li> <li>• Provide wastewater treatment facilities prior to discharge of wastewater</li> </ul>

				<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of wastewater treatment facilities</li> <li>• Wastewater pumped out of the excavation areas will be treated to remove suspended solids prior to discharge</li> <li>• Hard paving or well-compact of main haul road to minimize washout of soil</li> <li>• Wheels of all vehicles and plants will be cleaned before leaving the work areas to remove sediment, soil and debris from the tracked. The wastewater will be treated and reused on site or discharged.</li> </ul>
EIA 7.5.1.1 & 7.5.1.2- EM&A Log 6.2			Waste Generation	<ul style="list-style-type: none"> <li>• Training of site personnel in proper waste management and chemical handling procedures</li> <li>• Proper storage and sorting of excavated inert materials to maximize on site reuse for backfilling</li> <li>• Surplus inert C&amp;D materials will be disposed of at designated Government's PRF or reuse at other contracts.</li> </ul>
EIA 3.9.1. EM&A Log 2.2	Installation of structural steelworks for boom baffle range	Kong Nge Po Site	Air	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant and equipment in good condition</li> <li>• Water spraying at exposed areas</li> <li>• Regularly clean up stockpiles and debris to avoid accumulation of materials</li> </ul>
EIA 3.1.6;			Noise Control	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant &amp; equipment in</li> </ul>

EM&A Log 3.2				<p>good condition</p> <ul style="list-style-type: none"> <li>Adopt of Quality Powered Mechanical Equipment (QPME) if possible</li> </ul>
			Working in Restricted Hours	<ul style="list-style-type: none"> <li>Valid construction noise permit should be obtained and displayed on site</li> <li>In case of non-compliance with the construction noise criteria, more frequent monitoring and action should be carried out</li> </ul>
EIA 5.5.1.2; EM&A Log 6.2			Water Pollution Control	<ul style="list-style-type: none"> <li>Cover the stockpiles of construction materials to reduce the potential for water pollution</li> <li>Provide wastewater treatment facilities prior to discharge of wastewater</li> <li>Wastewater generated from surface runoff shall be treated prior to discharge</li> </ul>
EIA 7.5.1.1; EM&A Log 6.2			Waste Management	<ul style="list-style-type: none"> <li>Cover stockpiles of C&amp;D materials by impervious sheets to avoid wind-blown dust</li> <li>Spray water on all dusty materials including C&amp;D materials immediately prior to any loading transfer operation</li> <li>Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal</li> </ul>
EIA 7.5.1.4; EM&A Log 6.2			Chemical Waste	<ul style="list-style-type: none"> <li>Drip tray and chemical spillage kit shall be provided on site</li> </ul>

EIA Table 10.11, EM&S Table 5.1			Landscape and Visual Impact	<ul style="list-style-type: none"> <li>• Preservation of existing trees will be undertaken in accordance with DEVB TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>• Implement temporary traffic arrangement which control construction area to minimize landscape and visual impacts</li> </ul>
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\*See Ref/ EMI&A Log/ Design Document Ref

\*\*Details of equipment, vehicles, plants, processes, technologies for the construction method

Ref*	Proposed Construction Method	Location/Working Period	Anticipated Major Impacts	Recommended Mitigation Measures	Photo Records (Partial)
EIA S.D.1: EM&O Log 3.2	Open cut excavation	Kong Nga Po Site	Dust Impact	<ul style="list-style-type: none"> <li>• Manual water spraying for dust suppression</li> <li>• Regular inspection and maintenance of plant and equipment in good condition</li> <li>• Cover stockpiles with impervious sheets or grout</li> <li>• Provide wheel washing facility at site entrance</li> </ul>	 <p>By subcontractor at KNF site</p>



By subcontractor at KNP site-



By subcontractor at KNP site.

EIA 4.3.6, EM&S Log 3.2			Noise	<ul style="list-style-type: none"> <li>• Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>• Deploy Quality Powered Mechanical Equipment (QPME) if possible</li> <li>• Valid construction noise permit should be displayed at site entrance.</li> </ul>	 <p>By main contractor at KNP site</p>  <p>By main contractor at KNP site</p>
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<p>EIA 9.7.1 and EM&amp;O Log 8.3</p>			<p>Ecology Concern</p>	<ul style="list-style-type: none"> <li>• Provide training to workers about the conservative species</li> <li>• Provision of protective fence for the conservative species</li> <li>• Regular inspection for concerned vegetation and conservative species</li> </ul>	 <p>By main contractor at KNP site</p>  <p>By subcontractor at KNP site</p>
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EIA 3.9.1, EM&O Log 2.2	Soil Removal	Kong Nge Po Site	Air	<ul style="list-style-type: none"> <li>• Deploy water bowser for regular water spraying to enhance dust suppression</li> <li>• Cover dusty materials with impervious sheets</li> <li>• Exposed slopes covered with waterproof layers such as tarpaulin sheets or grout to reduce the potential for sediment laden runoff entering the drainage system.</li> <li>• The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site.</li> </ul>	 <p>By main contractor at KNP site</p>
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<p>E16 4.1.6, EM&amp;A Log 3.2</p>			<p>Noise</p>	<ul style="list-style-type: none"> <li>Regular inspection and maintenance of plant &amp; equipment in good condition</li> <li>Deploy Quality Powered Mechanical Equipment (QPME) if possible</li> </ul>	
<p>E16 5.6.1.2 and EM&amp;A log 4.2</p>			<p>Water Quality</p>	<ul style="list-style-type: none"> <li>Cover exposed slopes with impervious sheets or cement grout.</li> <li>Wastewater pumped out of the excavation area shall be treated to remove suspended solid prior to discharge.</li> <li>Provide desilting/ sedimentation devices for wastewater treatment prior to discharge.</li> <li>Provide drip tray to</li> </ul>	 <p>By main contractor at KNP site</p>

				<p>prevent spillage of fuels</p>	 <p>By main contractor at KNP site</p>
<p>EIA Table 10.11: EMI&amp;A Table 9.1</p>			<p>Landscape and Visual Impact</p>	<ul style="list-style-type: none"> <li>• Preservation of existing trees will be undertaken in accordance with DEWS TC(W) 7/2015 and Guidelines for Tree Risk Assessment and Management Arrangement</li> <li>• Implement temporary traffic arrangement which control construction area to</li> </ul>	 <p>By main contractor at KNP site</p>

				<ul style="list-style-type: none"> <li>minimize landscape and visual impacts</li> <li>• Minimize visual impact during construction stage. site office not visually prominent from public room and surrounding</li> <li>• Planting will take place as soon the planting area is installed with subsoil drainage</li> <li>• Decorative hoarding is provided</li> </ul>	
<p>#10 3.9.1: EM&amp;A Log 2.2</p>	<p>Construction of footings, substructure and superstructure</p>	<p>Koing Nga Po Site</p>	<p>Air</p>	<ul style="list-style-type: none"> <li>• Cover dusty materials with impervious sheets</li> <li>• Exposed slopes covered with waterproof layers such as tarpaulin sheets or grout to reduce the potential for sediment laden runoff entering</li> </ul>	

				<p>the drainage system.</p> <ul style="list-style-type: none"> <li>• Provide wheel washing facility at site entrance</li> </ul>	<p>By subcontractor at KNP site</p>  <p>By subcontractor at KNP site</p>
<p>EIA 4.4.6; EM&amp;A Log 3.2</p>			<p>Noise</p>	<ul style="list-style-type: none"> <li>• valid construction noise permit should be obtained and displayed on site</li> </ul>	 <p>By main contractor at KNP site</p>

<p>RI4 5.6.1.3 and SM&amp;A Log 4.2</p>			<p>Water Quality</p>	<ul style="list-style-type: none"> <li>• Surface water from concrete batching areas and the rest of the site should be separated as far as possible.</li> <li>• Temporary drainage is free of obstruction.</li> <li>• Gullies are sealed to prevent silt or debris from entering the drainage system.</li> </ul>	 <p>By main contractor at KNP site</p>  <p>By subcontractor at KNP site</p>
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					 <p data-bbox="1136 412 1430 433">By main contractor at KNP site</p>
<p data-bbox="145 474 277 560">EIA 7.5.1.2 and env&amp;A Log 6.2</p>			<p data-bbox="654 474 789 526">Waste Management</p>	<ul data-bbox="835 474 1120 809" style="list-style-type: none"> <li data-bbox="835 474 1120 715">• Segregation and storage of different types of waste in different containers or skips or stockpiles to enhance reuse or recycling of materials and their proper disposal</li> <li data-bbox="835 726 1120 809">• Sort non-inert C&amp;D materials to recover any recyclable portions</li> </ul>	 <p data-bbox="1136 726 1430 746">By main contractor at KNP site</p>

					 <p>By main contractor at KNP site</p>
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**APPENDIX B**  
**ACTION AND LIMIT LEVELS**

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## Appendix B - Action and Limit Levels

Table B-1 Action and Limit Levels for 1-hour TSP

Monitoring station	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
AM1	308	500
AM2	311	

Table B-2 Action and Limit Levels for Construction Noise

Time Period	Action Level	Limit Level
0700-1900 hours on normal weekdays	When one documented complaint is received	75 dB(A)

## Noted:

If works are to be carried during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.

**APPENDIX C  
COPIES OF CALIBRATION  
CERTIFICATES**

### CERTIFICATE OF CALIBRATION

Ka Shing Facility Management Ltd. Flat C, 14/F, Jing Ho Industrial Building, 78-84 Wang Lung Street, Tsuen Wan, N.T.	Test Report No.	250512MCA-1P
	Date of Issue	12-May-25
	Date of Testing	11-May-25
	Page	1 of 1

#### Item for Calibration

Description : Laser Dust Monitor  
 Manufacturer : Met One Instruments, Inc.  
 Model No. : AEROCET-831  
 Serial No. : D12641

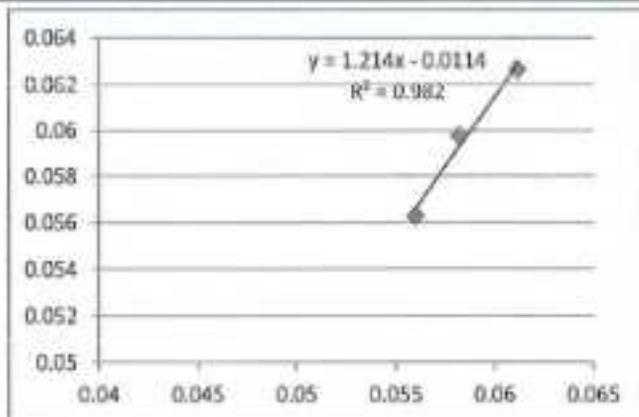
#### Standard Equipment

Description : High Volume Sampler / Calibration Orifice  
 Manufacturer : Tisch Environmental, Inc.  
 Model No. : TE-5170 / TE-5025A  
 Serial No. : 3476 / 4088  
 Last Calibration : 24-AUG-24 / 15-OCT-24

Date	Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration Standard Equipment (mg/m <sup>3</sup> )	Concentration Calibrated Equipment (mg/m <sup>3</sup> )
11-May-25	19:00	24.8	1010.1	0.0612	0.0627
11-May-25	20:05	24.8	1010.1	0.0560	0.0563
11-May-25	21:10	24.8	1010.1	0.0582	0.0598

#### By Linear Regression of Y or X:

Slope : 1.2140  
 Correlation Coefficient : 0.9820  
 K-Factor : 0.9817  
 Validity of Calibration : 10-May-26



Recorded by : Jessica Liu Signature: [Signature] Date: 11-May-25

Checked by : S Tang Signature: [Signature] Date: 11-May-25

# Certificate of Calibration

Calibration Certification Information			
Cal. Date: September 9, 2025	Rootmeter S/N: 438320	Ta: 294	°K
Operator: Jim Tisch		Pa: 754.9	mm Hg
Calibration Model #: TE-S025A	Calibrator S/N: 4088		

Run	Vol. Init (m <sup>3</sup> )	Vol. Final (m <sup>3</sup> )	ΔVol. (m <sup>3</sup> )	ΔTime (min)	ΔP (mm Hg)	ΔH (in H <sub>2</sub> O)
1	1	2	1	1.4460	3.2	2.00
2	3	4	1	1.0320	6.4	4.00
3	5	6	1	0.9210	8.0	5.00
4	7	8	1	0.8840	8.8	5.50
5	9	10	1	0.7240	12.8	8.00

Data Tabulation					
Vstd (m <sup>3</sup> )	Qstd (x-axis)	$\sqrt{\Delta H \left( \frac{Pa}{Pstd} \right) \left( \frac{Tstd}{Ta} \right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H \left( Ta/Pa \right)}$ (y-axis)
1.0025	0.6933	1.4190	0.9958	0.6886	0.8826
0.9983	0.9673	2.0068	0.9915	0.9608	1.2481
0.9961	1.0816	2.2436	0.9894	1.0743	1.3955
0.9951	1.1256	2.3532	0.9883	1.1180	1.4636
0.9897	1.3670	2.8380	0.9830	1.3578	1.7651
<b>QSTD</b>	m=	<b>2.11142</b>	<b>QA</b>	m=	<b>1.32213</b>
	b=	<b>-0.03845</b>		b=	<b>-0.02391</b>
	r=	<b>0.99983</b>		r=	<b>0.99983</b>

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

Standard Conditions	
Tstd:	298.15 °K
Pstd:	760 mm Hg
Key	
ΔH:	calibrator manometer reading (in H <sub>2</sub> O)
ΔP:	rootmeter manometer reading (mm Hg)
Ta:	actual absolute temperature (°K)
Pa:	actual barometric pressure (mm Hg)
b:	intercept
m:	slope

RECALIBRATION
US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30



東恒測試顧問有限公司  
**AQUALITY TESTCONSULT LIMITED**  
 香港新界粉嶺坪輦路致芳園11A&B號  
 NO.11A&B, KAI FONG GARDEN, PING CHE ROAD, FANLING, N.T., HONG KONG

TEL : 852-2674-0478  
 FAX : 852-2674-1177  
 EMAIL : main.aqtl@gmail.com  
 WEBSITE : www.aqtlgroup.com

### CERTIFICATE OF CALIBRATION

Ka Shing Facility Management Ltd. Flat C, 14/F, Jing Ho Industrial Building, 78-84 Wang Lung Street, Tsuen Wan, N.T.	Test Report No.	250603MCA-1P
	Date of Issue	3-Jun-25
	Date of Testing	2-Jun-25
	Page	1 of 1

#### Item for Calibration

Description : Laser Dust Monitor  
 Manufacturer : Met One Instruments, Inc.  
 Model No. : AEROCET-831  
 Serial No. : F12258

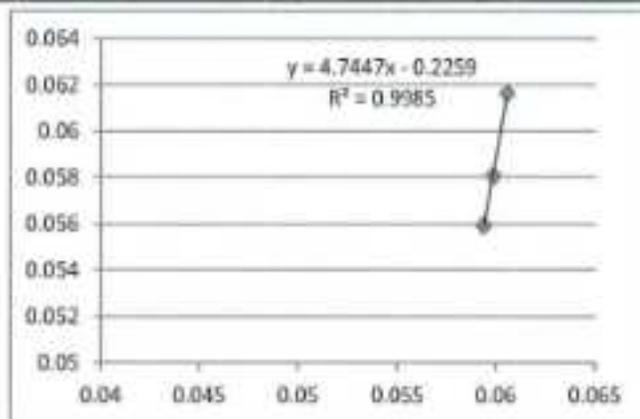
#### Standard Equipment

Description : High Volume Sampler / Calibration Orifice  
 Manufacturer : Tisch Environmental, Inc.  
 Model No. : TE-5170 / TE-5025A  
 Serial No. : 3476 / 4088  
 Last Calibration : 24-AUG-24 / 15-OCT-24

Date	Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration Standard Equipment (mg/m <sup>3</sup> )	Concentration Calibrated Equipment (mg/m <sup>3</sup> )
2-Jun-25	19:00	24.8	1002.2	0.0606	0.0616
2-Jun-25	20:05	24.8	1002.2	0.0594	0.0560
2-Jun-25	21:10	24.8	1002.2	0.0599	0.0581

#### By Linear Regression of Y or X

Slope : 4.7447  
 Correlation Coefficient : 0.9985  
 K-Factor : 1.0253  
 Validity of Calibration : 1-Jun-26



Recorded by : Jessica Liu Signature: Jessica Liu Date: 2-Jun-25

Checked by : S Tang Signature: S Tang Date: 2-Jun-25



1600 Washington Blvd  
 Grants Pass, OR 97526  
 (541) 471-7111  
 (541) 471-7116 (Fax)  
 Service@metone.com

Met One  
 Instruments

# Calibration Certificate

The calibration results on this report certify that this instrument complies with the product specifications at the time of calibration. Calibration was performed according to accepted industry methods using equipment, procedures, and standards that are traceable to NIST and ISO.

Recommended calibration interval is 12 months from the first day of use.

Instrument Model# Aerocet 831

Instrument Serial# F12258

Date of Calibration 3/31/2025

Sensor # 8894

C HEAP AT28

Jamie Chuske

Calibration Technician

Quality Check

Temperature N/A °C

Relative Humidity N/A %

Standard 24.4 °C

Standard 30.0 %

Test Procedure: Aerocet 831-6100

PSL Size (µm)	Test Results	Test Spec.	Lot# NIST	Expiration
0.3	Pass	± 10%	257546	05/31/2025
0.5	Pass	± 10%	263540	02/28/2026
1.0	Pass	± 10%	258865	09/30/2025
2.5	Pass	± 10%	258621	09/30/2025
4.0	Pass	± 10%	REF	NA
7.0	Pass	± 10%	REF	NA
10.0	Pass	± 10%	270159	07/31/2026

Standards	Model	SN	Cal Due
Particle Counter	GT-526S	X17421	7/22/2025
FLOWMETER	4040	40401945009	5/7/2025
RH/Temp Sensor	083E-1-35	R17149	11/5/2025

*This calibration certificate shall not be reproduced except in full, without the written approval of Met One Instruments Inc.*

# FAQ / Information

## Mutual Recognition Arrangements (MRA) / Multilateral Recognition Arrangements (MLA)

### Mutual Recognition Arrangement (MRA) Partners for HOKLAS ^

Every effort is made to promote acceptance of test data from accredited laboratories, both internationally and locally. HKAS has concluded mutual recognition arrangements with accreditation bodies listed below by being one of the signatories of the [International Laboratory Accreditation Cooperation Mutual Recognition Arrangement \(ILAC MRA\)](#) and the [Asia Pacific Accreditation Cooperation Mutual Recognition Arrangement \(APAC MRA\)](#) for testing, calibration, medical testing, Proficiency Testing Providers (PTP) and Reference Material Producers (RMP). Click [here](#) to view the up-to-date signatories of ILAC and [here](#) to access the up-to-date signatories of APAC.

Visitors checking the names, logos and accreditation symbols shown on an endorsed certificate or report should note that some of our MRA partners may have their names, logos or accreditation symbols changed recently and test reports or certificates endorsed by displaying their old accreditation symbols may still be valid during the change-over period. For details, please visit their websites or contact them directly.

> [Mutual Recognition Arrangement \(MRA\) Partners for HOKLAS](#)

[HKAS MRA partners will recognise HOKLAS endorsed test certificates as having the same technical validity as certificates endorsed by their respective schemes.](#)

### Multilateral Recognition Arrangements (MLA) for HKCAS v

### Mutual Recognition Arrangement (MRA) Partners for HKIAS v

 back

## Hong Kong Laboratory Accreditation Scheme (HOKLAS) - Mutual Recognition Arrangement (MRA) Partners

Economy	Logo	Name of Partner	URL	Test Area
United Kingdom of Great Britain and Northern Ireland		United Kingdom Accreditation Service (UKAS)	<a href="http://www.ukas.com">http://www.ukas.com</a>	Calibration, Medical Testing, Non-medical Testing, Proficiency Testing Provider, Reference Material Producer
United States of America		ANAB Laboratory Accreditation Programs, LLC (ANAB-LAP, LLC)	<a href="http://www.anab.com/llc/">http://www.anab.com/llc/</a>	Non-medical Testing
United States of America		American Association for Laboratory Accreditation (A2LA)	<a href="http://www.a2la.org">http://www.a2la.org</a>	Calibration, Medical Testing, Non-medical Testing, Proficiency Testing Provider, Reference Material Producer
United States of America		ANSI National Accreditation Board (ANAB)	<a href="http://www.anab.org/">http://www.anab.org/</a>	Calibration, Medical Testing, Non-medical Testing, Proficiency Testing Provider, Reference Material Producer
United States of America		International Accreditation Service Inc. (IAS)	<a href="http://www.iasinc.com/">http://www.iasinc.com/</a>	Calibration, Medical Testing, Non-medical Testing
United States of America		National Accreditation Center LLC (NAC)		Calibration, Non-medical Testing
United States of America		National Voluntary Laboratory Accreditation Program (NVLAP)	<a href="http://www.nvlap.gov/0101.asp">http://www.nvlap.gov/0101.asp</a>	Calibration, Non-medical Testing



**IAS** INTERNATIONAL  
ACCREDITATION  
SERVICE™

# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **AQUALITY TESTCONSULT LIMITED**

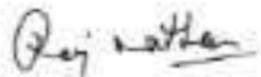
11A88, KAI FONG GARDEN, PING CHE ROAD  
FANLING, HONG KONG

**Calibration Laboratory CL-207**

has met the requirements of AC204, *IAS Accreditation Criteria for Calibration Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date February 19, 2024



  
\_\_\_\_\_  
**President**

Visit [www.iasnet.org](http://www.iasnet.org) for current accreditation information.

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY <sup>1,2</sup> (±)	CALIBRATION PROCEDURE AND/OR STANDARD EQUIPMENT USED
			dimensional requirements as specified in BS 1881- Part 105: 1984)
Test Sieve <sup>3</sup>	4 mm to 50 mm	50 µm	Reference Caliper by direct measurement as per BS 410 : 1986
Elongation Gauge <sup>2</sup>	Gap between Pins of Gauge 10 mm to 100 mm	0.29 mm	Reference Caliper by direct measurement (Verification in accordance with in-house method for the dimensional requirements as specified in BS 812- Part 1:1975; BS 812- Part 105.2: 1990)
Flakiness Gauge <sup>3</sup>	Length of Slot of Gauge 4.9 mm to 33.9 mm	0.06 mm	Reference Caliper by direct measurement ((Verification in accordance with in-house method for the dimensional requirements as specified in BS 812- Part 1:1975; BS 812- Part105.1:1985; BS 812- Part105.1:1989)
Riffle Box <sup>3</sup>	Width 6 mm to 100 mm	0.06 mm	Reference Caliper by direct measurement (Verification in accordance with in-house method for the dimensional requirements as specified in BS 812- Part 1:1975)
<b>Mechanical</b>			
Force Measuring Machine <sup>3</sup> (Compression Mode)	1 kN to 3000 kN	0.4 %	Reference Load cell by direct measurement (Based on BS 1610: Part 1:1985; BS 1610: Part 1:1992; BS EN ISO 12390-4:2000 Annex B; BS EN 12390-4: 2019; BS EN ISO 7500-1:2004, BS EN ISO 7500-1: 2015, BS EN ISO 7500-1: 2018)
Laser Dust Meter <sup>3</sup>	Dust particles 0.1 mg/m <sup>3</sup> to 3 mg/m <sup>3</sup> 3 mg/m <sup>3</sup> to 8 mg/m <sup>3</sup>	0.006 mg/m <sup>3</sup> 0.39 mg/m <sup>3</sup>	By comparison method by using reference laser dust meter (Based on ISO 12103-1:2016)
Rebound Hammer <sup>3</sup>	80 unit (hardness)	1.6 rebound count	Reference Rebound count by comparison method (Based on BS1881: Part 202:1986; BS EN 12504-2:2001; BS EN

# Certificate of Calibration

Certificate No. ATS25-008-CC001

**Customer:** Ka Shing Facilities Management Limited  
Flat C, 14/F., Jing Ho Industrial Building,  
78-84 Wing Lung Street, Tsuen Wan,  
N.T., Hong Kong

## Unit-under-test (UUT):

<b>Description:</b>	Sound Analyzer	, Microphone	, Pre-amplifier
<b>Manufacturer:</b>	Rion		
<b>Type No.:</b>	NL-53	, UC-59	, NH-25
<b>Serial No.:</b>	01130782	, 24906	, 33673

## Conditions during calibration:

**Temperature:** 23°C  
**Relative Humidity:** 65%

**Test Specifications:** Calibration Check

**Date of Calibration:** 23 January 2025

**Test Results:** All calibration points are within manufacturer's specification.

**Certified by:**



**Mr. Ching Mau LAM / Quality Manager**  
MIOA, MHKIOA

**Issue Date: 24 January 2025**

1. The instrument under test was allowed to stabilize in the laboratory for over 24 hours.

2. Calibration equipment:

**Description:** Sound Calibrator  
**Manufacturer & Type:** Brüel & Kjær 4231  
**Serial No.:** 2478237  
**Last Calibration Date:** 27 February 2024  
**Certificate No.:** AV240026

The calibration equipment used for calibration is traceable to National Standards via Standards and Calibration Laboratory, the Government of the HKSAR.

3. The Sound Analyzer has been calibrated in accordance with the requirements as specified in IEC 61672-1 Class 1, and vendor specific procedures.

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

5. Calibration Results

Setting of unit-under-test (UUT)				Applied value		UUT Reading, dB	IEC 61672-1 Class 1 Tolerance Limits, dB	Conclusion		
Range, dB	Parameter	Frequency Weighting	Response	Level, dB	Frequency, Hz					
30-130	SPL	A	F	94.00	1000	94.0	± 0.7	PASS		
			S			94.0	± 0.7	PASS		
			I			94.0	± 0.7	PASS		
		C	F			94.0	± 0.7	PASS		
			S			94.0	± 0.7	PASS		
			I			94.0	± 0.7	PASS		
		L	F			94.0	± 0.7	PASS		
			S			94.0	± 0.7	PASS		
			I			94.0	± 0.7	PASS		
		A	F			114.00	1000	114.0	± 0.7	PASS
			S					114.0	± 0.7	PASS
			I					114.0	± 0.7	PASS

All calibration points are within manufacturer's specification.

# Certificate of Calibration

Certificate No. ATS26-017-CC001

**Customer:** Ka Shing Facility Management Limited  
Flat C, 14/F., Jing Ho Industrial Building,  
78-84 Wing Lung Street, Tsuen Wan,  
N.T., Hong Kong

**Unit-under-test (UUT):**

<b>Description:</b>	Sound Level Meter	, Microphone	, Pre-amplifier
<b>Manufacturer:</b>	RION	, RION	, RION
<b>Type No.:</b>	NL-53	, UC-59	, NH-25
<b>Serial No.:</b>	01130782	, 24906	, 33673

**Conditions during calibration:**

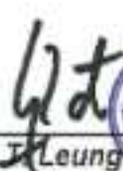
**Temperature:** 23°C  
**Relative Humidity:** 59%

**Test Specifications:** Calibration Check

**Date of Calibration:** 26 January 2026

**Test Results:** All calibration points are within manufacturer's specification.

**Certified by:**

  
  
Mr. Y. J. Leung, Technical Manager  
MIOA, MHKIOA, MHKIQEP

**Issue Date:** 26 January 2026

1. The instrument under test was allowed to stabilize in the laboratory for over 24 hours.
2. Calibration equipment:

<b>Description:</b>	Sound Calibrator
<b>Manufacturer:</b>	Brüel & Kjær
<b>Type No.:</b>	4231
<b>Serial No.:</b>	2478237
<b>Last Calibration Date:</b>	18 February 2025
<b>Certificate No.:</b>	AV250027

The calibration equipment used for calibration is traceable to National Standards via Standards and Calibration Laboratory, the Government of the HKSAR.

3. The sensitivity of the microphone has been recorded before the calibration.

Recorded Microphone Sensitivity (dB)	-27.7
--------------------------------------	-------

4. The Sound Analyzer has been calibrated in accordance with the requirements as specified in IEC 61672-1 Class 1, and vendor specific procedures.
5. The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted, if any, will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. Acoustic Testing Services Limited shall not be liable for any loss or damage resulting from the use of the equipment.



## 6. Calibration Results

Setting of unit-under-test (UUT)				Applied value		UUT Reading, dB	IEC 61672-1 Class 1 Tolerance Limits, dB	Conclusion		
Range, dB	Parameter*	Frequency Weighting	Response	Level, dB	Frequency, Hz					
30-130	Overall SPL	A	F	94.00	1000	93.0	± 0.7	PASS		
			S			93.0	± 0.7	PASS		
			I			93.0	± 0.7	PASS		
		C	F			93.0	± 0.7	PASS		
			S			93.0	± 0.7	PASS		
			I			93.0	± 0.7	PASS		
		L	F			93.0	± 0.7	PASS		
			S			93.0	± 0.7	PASS		
			I			93.0	± 0.7	PASS		
		A	F			114.00	1000	113.9	± 0.7	PASS
			S					113.9	± 0.7	PASS
			I					113.9	± 0.7	PASS

\* Based on the setting of the UUT, the reading is overall sound pressure level in dB(A), dB(C) & dB.

All calibration points are within manufacturer's specification.



# Certificate of Calibration

Certificate No. ATS25-008-CC002

**Customer:** **Ka Shing Facility Management Limited**  
Flat C, 14/F., Jing Ho Industrial Building,  
78-84 Wing Lung Street, Tsuen Wan,  
N.T., Hong Kong

**Unit-under-test (UUT):**

<b>Description:</b>	Sound Level Meter	, Microphone	, Pre-amplifier
<b>Manufacturer:</b>	BSWA Technology		
<b>Type No.:</b>	BSWA 308	, 231	, MA231T
<b>Serial No.:</b>	610062	, 591574	, 610373

**Conditions during calibration:**

<b>Temperature:</b>	26°C
<b>Relative Humidity:</b>	58%

**Test Specifications:** Calibration Check

**Date of calibration:** 24 April 2025

**Test Results:** All calibration points are within manufacturer's specification.

**Certified by:**

  
**Mr. Ching Mau LAM / Quality Manager**  
MIOA, MHK10A



**Issue Date: 24 April 2025**

1. The instrument under test was allowed to stabilize in the laboratory for over 24 hours.
2. Calibration equipment:

<b>Description:</b>	Multifunction Acoustical Calibrator
<b>Manufacturer &amp; Type:</b>	Brüel & Kjær 4226
<b>Serial No.:</b>	2919264
<b>Last Calibration Date:</b>	11 September 2024
<b>Certificate No.:</b>	2GB24018355-0001

The calibration equipment used for calibration is traceable to National Standards via China Ceprei Laboratory Calibration & Testing Centre. The Multifunction Acoustical Calibrator Brüel & Kjær 4226 has been accredited calibrated by other laboratory and it is found that it cannot fulfill the tolerance limits for frequency at 2000 Hz only, since the Brüel & Kjær 4226 is designed for old year version of IEC 60942 (or JJG 176), but the tolerance limits for frequency as well as sound pressure level, are updated in the most updated version of standards. However, it can still fulfill the requirements for sound pressure level from 31.5 Hz to 8000 Hz.

3. The Sound Analyzer has been calibrated in accordance with the requirements as specified in IEC 61672-1 Class 1, and vendor specific procedures.
4. The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted, if any, will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. Acoustic Testing Services Limited shall not be liable for any loss or damage resulting from the use of the equipment.

## 5. Calibration Results

### 5.1 Sound Pressure Level

#### Reference Sound Pressure Level

Setting of unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672-1 Class 1 Tolerance Limits, dB	Conclusion
Range, dB	Parameter	Time Weighting	Level, dB	Frequency, Hz			
22-136	dBA SPL	Fast	94.0	1000	94.0	± 0.7	PASS

#### Linearity

Setting of unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672-1 Class 1 Tolerance Limits, dB	Conclusion
Range, dB	Parameter	Time Weighting	Level, dB	Frequency, Hz			
22-136	dBA SPL	Fast	94.0	1000	94.0	± 0.7	PASS
			104.0		104.0	± 0.7	PASS
			114.0		114.0	± 0.7	PASS

#### Time Weighting

Setting of unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672-1 Class 1 Tolerance Limits, dB	Conclusion
Range, dB	Parameter	Time Weighting	Level, dB	Frequency, Hz			
22-136	dBA SPL	Fast	94.0	1000	94.0	± 0.7	PASS
		Slow			94.0	± 0.7	PASS

**Frequency Response**
**A-weighting:**

Setting of unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672-1 Class 1 Tolerance Limits, dB	Conclusion
Range, dB	Parameter	Time Weighting	Level, dB	Frequency, Hz			
22-136	SPL	Fast	54.8	31.5	54.7	± 1.5	PASS
			67.8	63	67.9	± 1.0	PASS
			77.9	125	77.9	± 1.0	PASS
			85.4	250	85.4	± 1.0	PASS
			90.8	500	90.8	± 1.0	PASS
			94.0	1000	94.0	± 0.7	PASS
			95.2	2000	95.0	± 1.0	PASS
			95.0	4000	94.1	± 1.0	PASS
			92.9	8000	90.4	+1.5; -2.5	PASS

**C-weighting:**

Setting of unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672-1 Class 1 Tolerance Limits, dB	Conclusion
Range, dB	Parameter	Time Weighting	Level, dB	Frequency, Hz			
22-136	SPL	Fast	91.0	31.5	91.1	± 1.5	PASS
			93.2	63	93.3	± 1.0	PASS
			93.8	125	93.9	± 1.0	PASS
			94.0	250	94.0	± 1.0	PASS
			94.0	500	94.0	± 1.0	PASS
			94.0	1000	94.0	± 0.7	PASS
			93.8	2000	93.6	± 1.0	PASS
			93.2	4000	92.4	± 1.0	PASS
			91.0	8000	88.5	+1.5; -2.5	PASS

**Linear:**

Setting of unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672-1 Class 1 Tolerance Limits, dB	Conclusion
Range, dB	Parameter	Time Weighting	Level, dB	Frequency, Hz			
22-136	SPL	Fast	94.0	31.5	94.2	± 1.5	PASS
				63	94.1	± 1.0	PASS
				125	94.0	± 1.0	PASS
				250	94.0	± 1.0	PASS
				500	94.0	± 1.0	PASS
				1000	94.0	± 0.7	PASS
				2000	93.8	± 1.0	PASS
				4000	93.2	± 1.0	PASS
			8000	91.8	+1.5; -2.5	PASS	

All calibration points are within manufacturer's specification.



# CERTIFICATE OF CALIBRATION

Class 1



NIST 1013-1014

TYPE: 3001.000    SN: 300100

**1. APPEARANCE** Pass**2. CALIBRATION** Success
 Date: 06/12/11    Serial Num: 000    Lot #:    Frequency: 1000 Hz  
 Manufacturer: M&E    Model: 3001.000

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

**3. FREQUENCY WEIGHTING** (Curve A) Success

Frequency: 1000 Hz    Weighting: A    Pass/Fail: Pass

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0
40	0.0	0.0	0.0
50	0.0	0.0	0.0
60	0.0	0.0	0.0
70	0.0	0.0	0.0
80	0.0	0.0	0.0
90	0.0	0.0	0.0
100	0.0	0.0	0.0

**4. LINEAR CORRELATION** Success

Method: Least Squares

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0
40	0.0	0.0	0.0
50	0.0	0.0	0.0
60	0.0	0.0	0.0
70	0.0	0.0	0.0
80	0.0	0.0	0.0
90	0.0	0.0	0.0
100	0.0	0.0	0.0

**5. SELF-CORRECTING MODE** (None) Success

Method: None    Pass/Fail: Pass

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

**6. TIME AT ZERO** Success

Method: None    Pass/Fail: Pass

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

**7. TEMPERATURE RESPONSE** Success

Method: None    Pass/Fail: Pass

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

**8. TIME AT ZERO** Success

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

**8. REGULATED TEMPERATURE RESPONSE** Success

Method: None    Pass/Fail: Pass

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

**9. TEMPERATURE INDICATION** Success

Method: None    Pass/Fail: Pass

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

**10. CORRECTING FROM SOURCE LEVEL** Success

Method: None    Pass/Fail: Pass

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

**COMMENTS**

Temp	Reference	Uncertainty	Frequency
0	0.0	0.0	0.0
10	0.0	0.0	0.0
20	0.0	0.0	0.0
30	0.0	0.0	0.0

**TEST EQUIPMENT**

Item	Manufacturer	Model	SN	Description
1	Agilent	8500	300100	Signal Generator
2	Agilent	8500	300100	Signal Generator
3	Agilent	8500	300100	Signal Generator
4	Agilent	8500	300100	Signal Generator

 TEST PROCEDURES IN ACCORDANCE WITH  
 IEC 61010-1:2011

 Class 1 Performance Verified  
 Test Qualified

DATE: 06/12/11    TIME: 10:00

TEST NO:

L7H

APPROVED:






**CERTIFICATE OF CALIBRATION**

Class 1



BSM 100011-10

TYPE: SMM6300    QN: 00010

**1. APPEARANCE** Pass

**2. CALIBRATION DATA**

 Calibration: 2023-07-05    Manufacturer: 000    ID: 000    Expiry: 2025-07-05

 Manufacturer Model: 000    Part No: 000000

Type	Temperature	Frequency	Amplitude
0	20.0	50.0	0.0
10	20.0	50.0	0.0
20	20.0	50.0	0.0
30	20.0	50.0	0.0

**3. FREQUENCY AND POWER** (Source & receiver)

Frequency (Hz) &amp; Power (dBm)    Accuracy (Hz)    Power (dBm)

Frequency (Hz)	Power (dBm)	Accuracy (Hz)	Power (dBm)
100	0.0	±0.1	0.0
200	0.0	±0.1	0.0
300	0.0	±0.1	0.0
400	0.0	±0.1	0.0
500	0.0	±0.1	0.0
600	0.0	±0.1	0.0
700	0.0	±0.1	0.0
800	0.0	±0.1	0.0
900	0.0	±0.1	0.0
1000	0.0	±0.1	0.0
1500	0.0	±0.1	0.0
2000	0.0	±0.1	0.0
3000	0.0	±0.1	0.0
4000	0.0	±0.1	0.0
5000	0.0	±0.1	0.0
6000	0.0	±0.1	0.0
7000	0.0	±0.1	0.0
8000	0.0	±0.1	0.0
9000	0.0	±0.1	0.0
10000	0.0	±0.1	0.0

**4. LEVEL LINEARITY** (Receiver)

Frequency (Hz)    Power (dBm)

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1
1500	0.0	±0.1
2000	0.0	±0.1
3000	0.0	±0.1
4000	0.0	±0.1
5000	0.0	±0.1
6000	0.0	±0.1
7000	0.0	±0.1
8000	0.0	±0.1
9000	0.0	±0.1
10000	0.0	±0.1

**5. SELF-CORRECTING NOISE LEVEL** (Receiver)

Frequency (Hz)    Power (dBm)    Accuracy (dB)

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

**6. TONE ACCURACY** (Receiver)

Frequency (Hz)    Power (dBm)

Frequency (Hz)	Power (dBm)
100	0.0
200	0.0
300	0.0
400	0.0
500	0.0
600	0.0
700	0.0
800	0.0
900	0.0
1000	0.0

**7. TONE SLOTTED RESPONSE** (Receiver)

Frequency (Hz)    Power (dBm)

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

**8. REPEATED TONE SLOTTED RESPONSE** (Receiver)

Frequency (Hz)    Power (dBm)

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

**8. REPEATED TONE SLOTTED RESPONSE** (Receiver)

Frequency (Hz)    Power (dBm)

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0.1
1000	0.0	±0.1

Frequency (Hz)	Power (dBm)	Accuracy (dB)
100	0.0	±0.1
200	0.0	±0.1
300	0.0	±0.1
400	0.0	±0.1
500	0.0	±0.1
600	0.0	±0.1
700	0.0	±0.1
800	0.0	±0.1
900	0.0	±0



# CERTIFICATE OF CALIBRATION



Class 1

TYPE: 3000A-001 S/N: 300177

## 1. APPEARANCE

## 2. CALIBRATION

Calibrator: 300177 Serial: 010 80 Frequency: 1000 Hz

Manufacturer: SSI/STI Ltd. (UK) (UK) (UK)

Year	Manufacturer	Frequency (Hz)	Uncertainty
2018	SSI/STI	1000	±0.02
2017	SSI/STI	1000	±0.02
2016	SSI/STI	1000	±0.02

## 3. FREQUENCY WEIGHTINGS

Z (weight by sound &amp; electrical), FC (weight by electrical), plus Z weighting error

Frequency	Z	FC	Z + FC
20	0	0	0
25	0.1	0	0.1
31.5	0.2	0	0.2
40	0.3	0	0.3
50	0.4	0	0.4
63	0.5	0	0.5
80	0.6	0	0.6
100	0.7	0	0.7
125	0.8	0	0.8
160	1.0	0	1.0
200	1.2	0	1.2
250	1.5	0	1.5
315	1.8	0	1.8
400	2.2	0	2.2
500	2.7	0	2.7
630	3.2	0	3.2
800	4.0	0	4.0
1000	5.0	0	5.0
1250	6.0	0	6.0
1600	7.8	0	7.8
2000	9.8	0	9.8
2500	12.0	0	12.0
3150	14.5	0	14.5
4000	17.5	0	17.5
5000	21.0	0	21.0
6300	25.0	0	25.0

## 4. LEVEL LINEARITY

Frequency: 1000 Hz

Level (dB)	10	20	30	40	50	60	70	80	90	100
Reference	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
Measured	9.9	19.9	29.9	39.9	49.9	59.9	69.9	79.9	89.9	99.9
Linearity Error	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Linearity Error (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

## 5. SELF-GENERATED NOISE LEVEL

Measured in quiet room, 1m distance, 1000 Hz. Terminal cable shown when not inserted

Term	A	C
1000 Hz	1.0	1.0
100 Hz	1.0	1.0

## 6. TONE WEIGHTINGS

Frequency: 1000 Hz, Steady Level: 100 dB

Year	A	C
2018	0.2	0.2
2017	0.2	0.2

## 7. COMPLETIST RESPONSE

Frequency: 1000 Hz

Term	1000 Hz	Response
1000 Hz	1.0	1.0
100 Hz	0.2	0.2
20 Hz	0.1	0.1
10 Hz	0.05	0.05
5 Hz	0.02	0.02

## 8. REPEATED CONSISTENT RESPONSE

Frequency: 1000 Hz

Steady Level: 100 dB

Term	1000 Hz	Response
1000 Hz	1.0	1.0
100 Hz	0.2	0.2
20 Hz	0.1	0.1
10 Hz	0.05	0.05
5 Hz	0.02	0.02

## 9. OVERLOAD PROTECTION

Frequency: 1000 Hz

Term	1000 Hz	Response
1000 Hz	1.0	1.0
100 Hz	0.2	0.2
20 Hz	0.1	0.1
10 Hz	0.05	0.05
5 Hz	0.02	0.02

## 10. UNWEIGHTED PEAK SOUND LEVEL

Frequency: 1000 Hz

Term	1000 Hz	Response
1000 Hz	1.0	1.0
100 Hz	0.2	0.2
20 Hz	0.1	0.1
10 Hz	0.05	0.05
5 Hz	0.02	0.02

## 11. EQUIPMENT

Equipment	Model	Serial	Manufacturer
Calibrator	300177	010 80	SSI/STI Ltd.
Receiver	300177	010 80	SSI/STI Ltd.
Generator	300177	010 80	SSI/STI Ltd.
Terminal	300177	010 80	SSI/STI Ltd.

TEST PROCEDURES IN ACCORDANCE WITH IEC 61010-2-010

Class 1 Performance Verified Test Good

DATE: 01 Jul 2020 BY: LZH (UK) (UK) (UK)

BSWA 308 (SNW630177) Calibration by manufacturer

Calibration Date: 01 July 2020

Cal. Due By: 30 June 2024

# Certificate of Calibration

Certificate No. ATS25-008-CC003

**Customer:** **Ka Shing Facility Management Limited**  
Flat C, 14/F., Jing Ho Industrial Building,  
78-84 Wing Lung Street, Tsuen Wan,  
N.T., Hong Kong

**Unit-under-test (UUT):**

**Description:** Sound Calibrator  
**Manufacturer:** SOUNDTEK  
**Type No.:** ST-120  
**Serial No.:** 210102628

**Conditions during calibration:**

**Temperature:** 24°C  
**Relative Humidity:** 47%

**Test Specifications:** Calibration Check

**Date of calibration:** 17 December 2025

**Test Results:** All calibration points are within manufacturer's specification.

**Certified by:**

  
  
**Mr. Y. J. Leung** Technical Manager  
MIOA, MHKIOA, MHKQEP

**Issue Date:** 17 December 2025

- The instrument under test was allowed to stabilize in the laboratory for over 24 hours.
- Calibration equipment:

<b>Description:</b>	Sound Analyzer	Reference Microphone
<b>Manufacturer:</b>	Brüel & Kjær	Brüel & Kjær
<b>Type No.:</b>	2270	4189
<b>Serial No.:</b>	3001883	2662797
<b>Last Calibration Date:</b>	11 March 2025	11 March 2025
<b>Certificate No.:</b>	AV250047	AV250047

The calibration equipment used for calibration is traceable to National Standards via Standards and Calibration Laboratory, the Government of the HKSAR.

- The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted, if any, will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. Acoustic Testing Services Limited shall not be liable for any loss or damage resulting from the use of the equipment.
- Calibration Results

Nominal value dB	Measured value dB	IEC 60942 Class 1 Tolerance Limits dB	Conclusion	Expanded Measurement Uncertainty of Reference Microphone B&K 4189 at 1000 Hz dB
94.00	93.99	± 0.25	PASS	0.20
114.0	114.06	± 0.25	PASS	0.20

All calibration points are within manufacturer's specification.



**APPENDIX D  
ENVIRONMENTAL MONITORING  
SCHEDULES**

Environmental Team for Police Facilities in Kong Nga Po  
 Impact Air Quality and Noise Monitoring Schedule  
 January-2026

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Jan	2-Jan
						1-hr TSPx3 (AM1, AM2)
4-Jan	5-Jan	6-Jan	7-Jan	8-Jan	9-Jan	10-Jan
						1-hr TSPx3 (AM1, AM2)  NM (NM9 to NM14)
11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan	17-Jan
				1-hr TSPx3 (AM1, AM2)  NM (NM9 to NM14)		
18-Jan	19-Jan	20-Jan	21-Jan	22-Jan	23-Jan	24-Jan
			1-hr TSPx3 (AM1, AM2)  NM (NM9 to NM14)			
25-Jan	26-Jan	27-Jan	28-Jan	29-Jan	30-Jan	31-Jan
		1-hr TSPx3 (AM1, AM2)  NM (NM9 to NM14)				

Environmental Team for Police Facilities in Kong Nga Po  
 Impact Air Quality and Noise Monitoring Schedule  
 February-2025

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1-Feb	2-Feb	3-Feb	4-Feb	5-Feb	6-Feb	7-Feb
	1-hr TSP <sub>PM10</sub> (AM1, AM2)  NM (NM9 to NM14)					1-hr TSP <sub>PM10</sub> (AM1, AM2)
8-Feb	9-Feb	10-Feb	11-Feb	12-Feb	13-Feb	14-Feb
					1-hr TSP <sub>PM10</sub> (AM1, AM2)  NM (NM9 to NM14)	
15-Feb	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb
	1-hr TSP <sub>PM10</sub> (AM1, AM2)  NM (NM9 to NM14)					1-hr TSP <sub>PM10</sub> (AM1, AM2)
22-Feb	23-Feb	24-Feb	25-Feb	26-Feb	27-Feb	28-Feb
					1-hr TSP <sub>PM10</sub> (AM1, AM2)  NM (NM9 to NM14)	

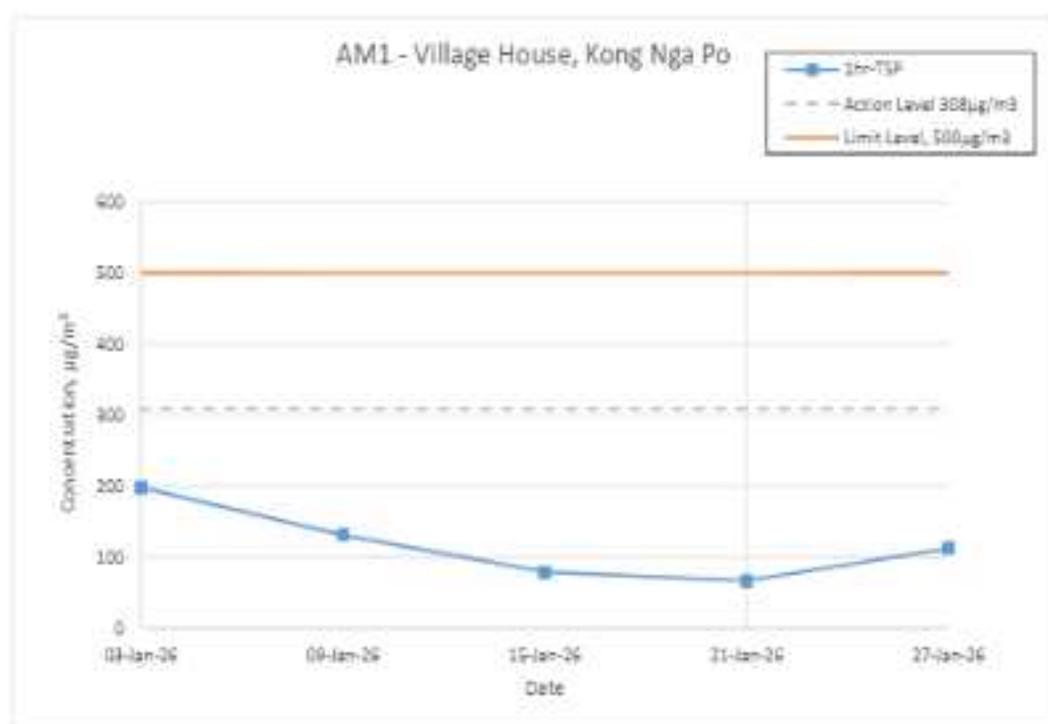
**APPENDIX E  
AIR QUALITY MONITORING RESULTS  
AND GRAPHICAL PRESENTATION**

**Appendix E - 1-hour TSP Monitoring Results**

<b>Location AM1 - Village House, Kong Nga Po</b>			
<b>Date</b>	<b>Time</b>	<b>Weather</b>	<b>Particulate Concentration (<math>\mu\text{g}/\text{m}^3</math>)</b>
03-Jan-26	8:10	Sunny	198
	9:10		211
	10:10		232
09-Jan-26	13:31	Sunny	131
	14:31		239
	15:31		213
15-Jan-26	13:15	Sunny	79
	14:15		147
	15:15		107
21-Jan-26	13:55	Sunny	67
	14:55		46
	15:55		39
27-Jan-26	13:18	Sunny	112
	14:18		107
	15:18		74
Minimum			39
Maximum			239
Average			134

<b>Location AM2 - Village House, Kong Nga Po</b>			
<b>Date</b>	<b>Time</b>	<b>Weather</b>	<b>Particulate Concentration (<math>\mu\text{g}/\text{m}^3</math>)</b>
03-Jan-26	8:23	Sunny	43
	9:23		46
	10:23		60
09-Jan-26	13:35	Sunny	33
	14:35		53
	15:35		92
15-Jan-26	13:05	Sunny	83
	14:05		84
	15:05		102
21-Jan-26	13:13	Sunny	243
	14:13		189
	15:13		176
27-Jan-26	14:07	Sunny	24
	15:07		157
	16:07		55
Minimum			24
Maximum			243
Average			96

## 1-hr TSP Concentration Levels



**APPENDIX F  
NOISE MONITORING RESULTS AND  
GRAPHICAL PRESENTATION**

**Appendix F - Noise Monitoring Results**

Location NM9 - Village House, Kong Nga Po									
Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average $L_{eq}$	Limit Level $L_{eq}$	Baseline $L_{eq}$
				$L_{90}$	$L_{50}$	$L_{10}$			
09-Jan-26	Sunny	0.38	13:22	64.2	55.3	48.0	62.0	75.0	55.9
				51.8	50.6	47.4			
				62.4	63.3	46.6			
				58.5	57.8	46.0			
				61.7	64.2	46.4			
15-Jan-26	Sunny	0.23	13:18	60.8	57.6	49.4	56.9	75.0	55.9
				53.8	53.5	49.1			
				53.1	54.3	49.6			
				58.9	54.5	49.3			
				53.0	53.9	48.7			
21-Jan-26	Sunny	0.47	13:26	72.6	75.8	60.4	69.5	75.0	55.9
				71.5	74.5	57.3			
				67.3	68.0	55.3			
				69.6	72.4	56.2			
				68.0	58.9	55.8			
27-Jan-26	Sunny	0.24	14:19	58.2	58.7	55.4	69.7	75.0	55.9
				63.4	61.6	53.7			
				67.8	70.3	62.7			
				71.4	74.9	63.8			
				73.0	75.2	69.5			

Location NM10 - Village House, Kong Nga Po									
Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average $L_{eq}$	Limit Level $L_{eq}$	Baseline $L_{eq}$
				$L_{90}$	$L_{50}$	$L_{10}$			
09-Jan-26	Sunny	0.31	13:27	61.9	56.2	49.7	56.3	75.0	52.8
				51.5	53.5	49.1			
				52.7	54.7	50.0			
				55.5	58.6	50.2			
				52.1	53.4	49.2			
15-Jan-26	Sunny	0.06	13:21	53.8	53.7	48.8	62.2	75.0	52.8
				64.7	59.7	45.6			
				53.4	54.8	45.8			
				48.4	51.3	44.0			
				47.2	49.6	43.7			
21-Jan-26	Sunny	0.32	13:32	68.2	72.1	47.4	57.7	75.0	52.8
				62.2	60.6	47.2			
				50.3	52.5	47.3			
				51.4	54.7	47.1			
				51.2	53.4	48.4			
27-Jan-26	Sunny	0.20	13:17	51.3	53.6	48.2	61.7	75.0	52.8
				61.3	63.6	58.2			
				62.9	59.4	52.8			
				61.5	63.4	52.6			
				61.7	64.3	52.5			

Location NM11 - Village House, Kong Nga Po									
Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average	Limit Level	Baseline
				L <sub>we</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>we</sub>	L <sub>we</sub>	L <sub>we</sub>
09-Jan-26	Sunny	0.51	13:40	61.3	59.1	46.3	54.9	75.0	46.4
				49.3	51.0	45.7			
				48.7	51.0	45.3			
				47.2	49.1	44.6			
				47.8	49.6	44.8			
53.4	51.1	44.5							
15-Jan-26	Sunny	0.16	13:24	60.8	56.9	47.1	57.8	75.0	46.4
				49.4	51.2	46.2			
				61.4	56.1	46.8			
				56.7	53.6	48.1			
				55.6	53.0	48.1			
51.0	52.9	48.0							
21-Jan-26	Sunny	1.00	13:38	44.9	42.5	29.9	39.1	75.0	46.4
				34.3	38.0	29.0			
				34.7	37.5	30.2			
				35.8	36.1	29.5			
				38.2	34.7	28.9			
33.4	35.7	29.0							
27-Jan-26	Sunny	1.47	13:22	59.2	55.7	46.2	53.6	75.0	46.4
				47.7	49.8	45.1			
				49.4	51.8	45.6			
				49.5	51.6	46.3			
				53.2	56.4	47.6			
50.4	52.5	47.3							

Location NM12 - Village House, Kong Nga Po									
Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average	Limit Level	Baseline
				L <sub>we</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>we</sub>	L <sub>we</sub>	L <sub>we</sub>
09-Jan-26	Sunny	0.51	13:20	64.9	61.0	46.4	62.2	75.0	54.7
				57.7	48.3	45.5			
				63.6	61.3	46.5			
				59.4	49.9	45.5			
				62.4	63.6	46.5			
61.3	56.5	46.3							
15-Jan-26	Sunny	0.00	13:01	45.8	48.9	23.5	46.1	75.0	54.7
				46.1	48.6	30.4			
				47.1	46.2	27.2			
				46.9	47.2	19.8			
				44.1	36.2	15.6			
46.2	47.9	29.6							
21-Jan-26	Sunny	1.20	13:13	74.0	76.6	65.2	70.2	75.0	54.7
				73.2	75.2	70.2			
				67.9	69.3	56.2			
				67.9	70.6	60.7			
				63.8	65.6	50.6			
64.1	65.4	50.9							
27-Jan-26	Sunny	0.13	13:10	68.0	70.4	51.9	65.0	75.0	54.7
				65.8	64.1	49.7			
				60.6	55.3	53.4			
				63.8	64.1	53.1			
				63.7	66.2	53.1			
64.9	58.6	52.3							

Location NM13 - Village House, Kong Nga Po

Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average $L_{eq}$	Limit Level $L_{eq}$	Baseline $L_{eq}$
				$L_{90}$	$L_{50}$	$L_{10}$			
09-Jan-26	Sunny	0.44	13:45	46.1	41.4	28.6	42.1	75.0	61.3
				33.9	36.9	27.1			
				27.4	28.6	26.1			
				34.5	29.1	25.8			
				27.9	29.4	26.1			
15-Jan-26	Sunny	0.01	14:29	63.6	65.4	35.9	67.8	75.0	61.3
				65.2	59.7	30.9			
				68.1	70.6	62.8			
				65.0	66.3	54.9			
				66.3	69.2	63.0			
21-Jan-26	Sunny	0.78	13:48	72.3	75.4	59.0	56.9	75.0	61.3
				63.4	58.7	47.7			
				51.6	53.6	48.4			
				52.7	54.8	49.3			
				51.4	53.3	48.6			
27-Jan-26	Sunny	1.31	13:28	51.5	53.3	49.1	56.4	75.0	61.3
				51.4	53.2	48.7			
				59.5	57.0	42.7			
				48.9	51.4	44.6			
				50.0	52.7	45.7			
				58.7	55.8	46.6			
				58.5	54.0	47.3			
				49.9	52.2	46.5			

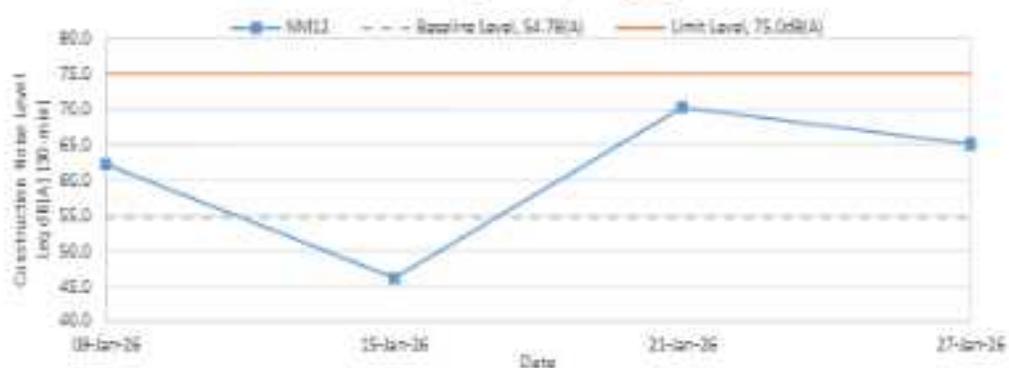
Location NM14 - Village House, near Man Kam To Road

Date	Weather	Wind Speed (m/s)	Time	Unit: dB(A) (5-min)			Average $L_{eq}$	Limit Level $L_{eq}$	Baseline $L_{eq}$
				$L_{90}$	$L_{50}$	$L_{10}$			
09-Jan-26	Sunny	0.36	13:54	69.6	60.3	37.7	64.3	75.0	59.6
				49.9	51.8	41.7			
				48.5	50.5	39.8			
				49.4	52.2	40.2			
				57.3	51.7	40.7			
15-Jan-26	Sunny	0.00	13:37	67.9	59.1	45.0	56.0	75.0	59.6
				63.5	55.5	25.9			
				47.2	35.1	23.2			
				36.0	37.5	24.9			
				44.4	48.5	23.3			
21-Jan-26	Sunny	0.66	13:42	47.4	52.2	25.7	57.0	75.0	59.6
				44.9	49.1	26.9			
				63.8	58.3	45.8			
				48.8	51.1	46.1			
				49.7	55.3	46.0			
27-Jan-26	Sunny	0.67	13:36	54.9	52.9	45.7	44.3	75.0	59.6
				47.9	49.7	46.1			
				48.5	48.9	45.5			
				45.6	39.4	30.4			
				31.7	32.5	30.6			
				36.3	34.8	30.2			
				32.2	32.5	30.5			
				50.7	47.6	30.6			
				33.0	35.4	30.1			

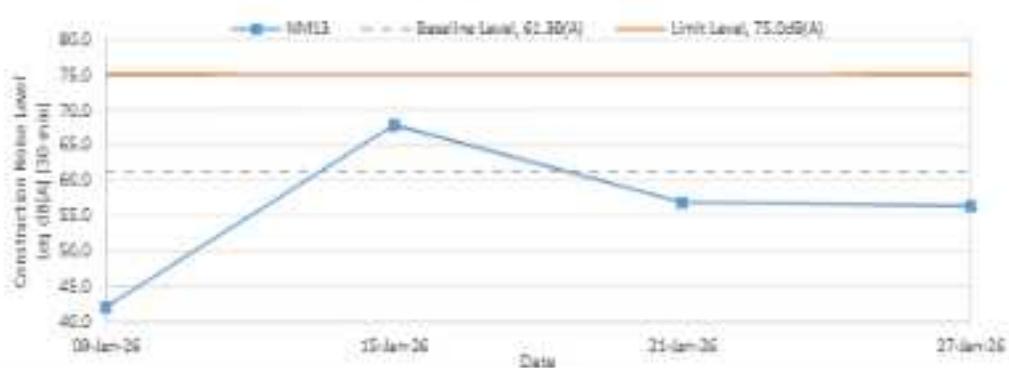
## Noise Levels



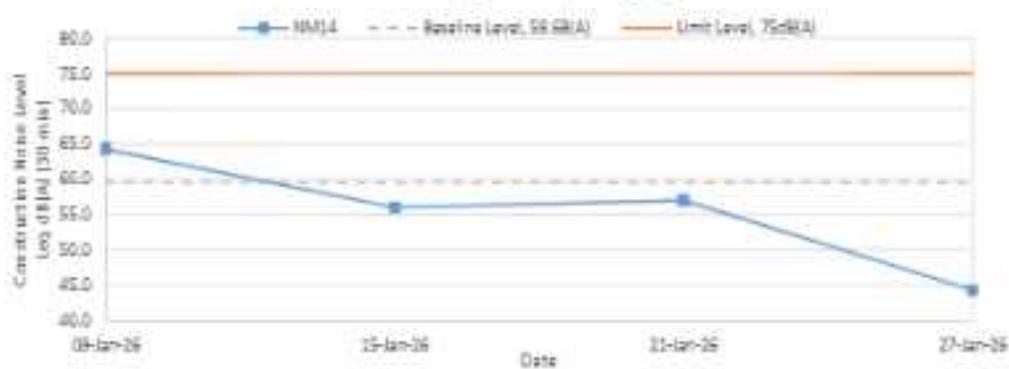
NM12 - Village House, Kong Nga Po



NM13 - Village House, Kong Nga Po



NM14 - Village House, Kong Nga Po



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**APPENDIX G**  
**WEATHER CONDITION**

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Appendix G –  
General Weather Conditions during the Monitoring Period January 2026

Date January	Mean Pressure (hPa)	Air Temperature			Mean Dew Point Temperature (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)
		Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)				
1	1017.9	21.7	18.8	16.5	12.9	69	43	-
2	1023.5	17.7	15	12.8	5.8	55	24	-
3	1024.7	16.5	14.3	11.4	6.5	60	18	-
4	1022.2	20.1	17	14.1	10.5	65	32	-
5	1020.9	22.1	18.3	15.1	10.8	63	6	-
6	1024.3	16.8	14	11.8	3.5	50	18	-
7	1025.3	16.4	13.4	10.9	-0.2	39	2	-
8	1024.9	18.1	14.9	11.8	-1.7	33	1	-
9	1022.8	18.9	15.7	13	2.3	42	12	-
10	1020.8	20.6	17.1	14.2	7.3	54	14	-
11	1023.1	20.7	17.5	14.7	3.4	41	2	-
12	1021.4	20.6	17.5	15.7	11.1	67	41	-
13	1018.7	22.5	18.9	15.9	10.8	61	6	-
14	1018.3	21.2	18.8	17	10.6	59	9	-
15	1016.5	23.1	19.2	16.2	13.7	72	22	1
16	1014.3	24	19.9	16.9	12	62	6	-
17	1013	24.8	20.7	17.6	10.6	54	7	-
18	1013.3	22.4	20.2	18.9	11.1	57	9	-
19	1014.8	21.9	19.6	18.1	15.2	76	20	-
20	1018.1	20.1	18.6	17.6	13.3	71	75	-
21	1021.8	18.1	15.7	14.9	8.7	63	90	-
22	1024.3	16.3	14.2	12.9	7.1	63	88	-
23	1024.6	17.5	14.5	12.3	7.8	64	87	-
24	1022.5	19.6	16.8	14.7	11.2	69	44	-
25	1020.9	20.1	18.2	16.6	13.4	74	63	-
26	1020.2	22.6	19.7	17.1	15.7	78	80	-
27	1019.6	24.8	21.1	18.9	16.7	76	72	Trace
28	1021.2	21.3	18.8	17.9	14.6	71	71	Trace
29	1020.8	19.9	18.2	16.8	12.6	70	78	-
30	1020.1	20.4	19.2	17.6	14.7	73	92	Trace
31	1020.8	19.6	18.2	16	15.5	85	97	2.2
Mean/Total	1020.5	20.3	17.5	15.4	9.9	63	40	3.2
Normal*	1020.1	18.7	16.5	14.6	11.7	74	62	33.2

\* The above information was extracted from the daily weather summary by Hong Kong Observatory.

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**APPENDIX H**  
**ECOLOGICAL MONITORING RESULTS**

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Contract No.: SS K509  
Design and Construction of  
Kong Nga Po Police Training Facilities

Monitoring and Maintenance Works Report

INSPECTION DATE: 31 JANUARY 2026  
REPORT DATE: 07 FEBRUARY 2026



*PREPARED BY:*  
**Lau Siu Yeung, Andy**  
(UKAA PR5206)

Contract SS K 509

Inspected By Lau Siu Yeung

Inspection Date 31/01/2026

Time Period 08:30 to 12:00

Part A: Weather

Condition  Sunny  Part  Overcast  Drizzle  Rain  Snow  Heavy

Temperature 18.4 °C

Humidity  High (RH 90%)  Moderate (RH 50% - 90%)  Low (RH 30%)

Wind  Calm  Light  Breeze  Strong

Part B:

	NA or not observed	Yes	No	Following	N/C	Remarks
<b>1. Garden Bedding Details</b>						
1.1 Are the plants' health conditions satisfactory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.2 Are non-planted plants on site protected carefully?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.3 Are the temporary protective fence properly erected and maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.4 Are the plant protection cover set in place for the plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.5 Are all ground and planted area kept free from weeds/unwanted plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.6 Is compaction of the soil avoided for the plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.7 Are toxic/unwanted material removed within the planting area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.8 Are equipment or materials placed outside the protection zone?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.9 Are soil, debris or construction material deposited around and against the trunk of a plant at this corner both damage avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.10 Are things driven into plants avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.11 Are the plants used for anchoring or winching purposes or for the display of signs avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.12 Are the fire / flammable materials and petrol, oil or caustic substances stored near the plants avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.13 Are all plants kept free from ants, termites or fungal infections?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.14 Are there enough area for growth and development of plant roots?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.15a Is exposure of plant roots avoided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
1.15b If yes, were crushed or for rotting of roots avoid?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>2. Landscaping Implementation Details</b>						
2.1 Are the plants' health conditions satisfactory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.2 Are non-planted plants on site protected carefully?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.3 Are the temporary protective fence properly erected and maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.4 Are the plant protection cover set in place for the plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.5 Are all ground and planted area kept free from weeds/unwanted plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.6 Is compaction of the soil avoided for the plants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2.7 Are toxic/unwanted material removed within the planting area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Template of Post-transplantation Monitoring Checklist  
Design and Construction of Kong Ngai Po Police Training Facilities

	N/A or not observed	Yes	No	Follow-up	NC	Remarks
2.8	Are equipment or materials placed outside the perimeter zone?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.9	Are soil, debris or construction materials deposited around and against the trunk of a plant or the trunk bark damage avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.10	Are ladders, divots and plants avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.11	Are the signs used for marking or warning purposes or for the display of signs avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.12	Are the list of items: the insecticide and petrol, oil or caustic substances stored near the plants avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.13	Are all plants kept free from pest, disease or fungal infection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.14	Are there enough sites for growth and development of plant roots?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.15a	Is exposure of plant roots avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.15b	If not, were broken off or mowing of roots avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<hr/>						
	N/A or not observed	Yes	No	Follow-up	NC	Remarks
<del>3. Section Three: Operation Details</del>						
3.1	Are the trees planted in suitable soil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.2	Are transplanted trees on site protected carefully?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.3	Are the necessary protective fences properly erected and maintained?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.4	Are the tree protection signs set up in close to trees?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.5	Are all ground and related activities free from weeds/unswept plants?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.6	Is transportation of the soil avoided for the trees?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.7	Are there unwanted material removed within a planting area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.8	Are equipment or materials placed outside the perimeter zone?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.9	Are soil, debris or construction materials deposited around and against the trunk of a tree or the trunk bark damage avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.10	Are ladders, divots and trees avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.11	Are the trees used for marking or warning purposes or for the display of signs avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.12	Are the list of items: the insecticide and petrol, oil or caustic substances stored near the trees avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.13	Are all trees kept free from pest, disease or fungal infection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.14	Are there enough sites for growth and development of tree roots?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.15a	Is exposure of tree roots avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.15b	If not, were broken off or mowing of roots avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.16	Are wounds/chemical sprays avoided on tree trunk?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.17	Are leaving of trees avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.18	Are dead/diseased branches avoided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.19	Are debris/soil avoided to tree trunk?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Template of Post-transplantation Monitoring Checklist**  
**Design and Construction of Kong Nga Po Police Training Facilities**

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Part C Follow-up for the Previous Site Audit on Date: \_\_\_\_\_ (Ref. No. \_\_\_\_\_)

		N/A or not observed	Yes	No	Follow-up	INC	Remarks
1.	Is the situation in area _____ improved/verified?	<input type="checkbox"/>	_____				
2.	Is the situation in area _____ improved/verified?	<input type="checkbox"/>	_____				
3.	Is the situation in area _____ improved/verified?	<input type="checkbox"/>	_____				
4.	Is the situation in area _____ improved/verified?	<input type="checkbox"/>	_____				
5.	Is the situation in area _____ improved/verified?	<input type="checkbox"/>	_____				
6.	Is the situation in area _____ improved/verified?	<input type="checkbox"/>	_____				
7.	Is the situation in area _____ improved/verified?	<input type="checkbox"/>	_____				
8.	Is the situation in area _____ improved/verified?	<input type="checkbox"/>	_____				
9.	Is the situation in area _____ improved/verified?	<input type="checkbox"/>	_____				
10.	Is the situation in area _____ improved/verified?	<input type="checkbox"/>	_____				

---

**Remarks/Observations:**

Drying season and no rainfall within this month contributed to slow growth of plants

Signature:

Contractor/ Engineer/ Rep:

Name: Lau Siq Yeung )  
 Date: 31/01/2026 )

Signature/ Rep:

Name: \_\_\_\_\_ )  
 Date: \_\_\_\_\_ )

Tree/Plant Colony No.	Number of Individuals	Species Name	Form (Good/Fair/Poor)	Health (Good/Fair/Poor)	Remark
C-0001	01	<i>Brahea insignis</i>	F	F	Young leaves observed
	02	<i>Brahea insignis</i>	F	F	Young leaves observed
	03	<i>Brahea insignis</i>	F	F	Young leaves observed
	04	<i>Brahea insignis</i>	F	F	Young leaves observed
	05	<i>Brahea insignis</i>	F	F	Young leaves observed
	06	<i>Brahea insignis</i>	F	F	Young leaves observed
	07	<i>Brahea insignis</i>	F	F	Young leaves observed
	08	<i>Brahea insignis</i>	F	F	Young leaves observed
C-0002	01	<i>Brahea insignis</i>	F	F	Young leaves observed
	02	<i>Brahea insignis</i>	F	F	Young leaves observed
	03	<i>Brahea insignis</i>	F	P	Young leaves observed
	04	<i>Brahea insignis</i>	F	P	Young leaves observed
	05	<i>Brahea insignis</i>	F	F	Young leaves observed
	06	<i>Brahea insignis</i>	F	F	Young leaves observed
	07	<i>Brahea insignis</i>	F	F	Young leaves observed
	08	<i>Brahea insignis</i>	F	F	Young leaves observed
C-0003	01	<i>Brahea insignis</i>	F	F	Young leaves observed
C-0004	01	<i>Brahea insignis</i>	P	P	Young leaves at base; Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	02	<i>Brahea insignis</i>	F	F	Young leaves observed
	03	<i>Brahea insignis</i>	F	F	Young leaves observed
	04	<i>Brahea insignis</i>	F	F	Young leaves observed
	05	<i>Brahea insignis</i>	F	F	Young leaves observed
	06	<i>Brahea insignis</i>	F	F	Young leaves observed
	07	<i>Brahea insignis</i>	F	F	Young leaves observed
	08	<i>Brahea insignis</i>	F	F	Young leaves observed
	09	<i>Brahea insignis</i>	P	P	Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	10	<i>Brahea insignis</i>	F	P	Young leaves at base
	11	<i>Brahea insignis</i>	F	F	Young leaves observed
	12	<i>Brahea insignis</i>	F	P	Young leaves observed
	13	<i>Brahea insignis</i>	-	-	Stem not found Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	14	<i>Brahea insignis</i>	F	F	Young leaves observed
	15	<i>Brahea insignis</i>	P	P	Young leaves at base; Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	16	<i>Brahea insignis</i>	P	P	Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	17	<i>Brahea insignis</i>	P	P	Young leaves observed
	18	<i>Brahea insignis</i>	-	-	Burned by bushfire initially outside the site boundary on 2 Feb 2021.
	19	<i>Brahea insignis</i>	F	P	-
	20	<i>Brahea insignis</i>	F	F	Young leaves observed

Tree/Plant Colony No.	Number of Individuals	Species Name	Form (Good/Fair/Poor)	Health (Good/Fair/Poor)	Remark
C-0005	01	<i>Brahea insignis</i>	F	F	Young leaves observed
	02	<i>Brahea insignis</i>	F	F	Young leaves observed
	03	<i>Brahea insignis</i>	F	F	Young leaves observed
	04	<i>Brahea insignis</i>	F	F	Young leaves observed
	05	<i>Brahea insignis</i>	F	P	Young leaves observed
	06	<i>Brahea insignis</i>	F	F	Young leaves observed
	07	<i>Brahea insignis</i>	F	F	Young leaves observed
C-0006	01	<i>Brahea insignis</i>	F	F	Young leaves observed
C-0007	01	<i>Brahea insignis</i>	F	F	Young leaves observed
	02	<i>Brahea insignis</i>	F	P	-
C-0008	01	<i>Brahea insignis</i>	F	F	Young leaves observed
	02	<i>Brahea insignis</i>	F	F	Young leaves observed
	03	<i>Brahea insignis</i>	P	P	Young leaves observed
	04	<i>Brahea insignis</i>	F	F	Young leaves observed
	05	<i>Brahea insignis</i>	F	F	Young leaves observed
	06	<i>Brahea insignis</i>	F	P	-
	07	<i>Brahea insignis</i>	F	P	Young leaves at base
C-0009	01	<i>Brahea insignis</i>	F	F	Young leaves observed
C-0010	01	<i>Brahea insignis</i>	F	F	Young leaves observed
	02	<i>Brahea insignis</i>	F	F	Young leaves observed
	03	<i>Brahea insignis</i>	F	F	Young leaves observed
C-0011	01	<i>Brahea insignis</i>	P	P	Dry out caused by bushfire initially outside site boundary and high temperature on 2 Feb 2021
	02	<i>Brahea insignis</i>	F	P	-
	03	<i>Brahea insignis</i>	F	F	Young leaves at base
	04	<i>Brahea insignis</i>	P	F	Young leaves at base
	05	<i>Brahea insignis</i>	F	P	Young leaves at base
	06	<i>Brahea insignis</i>	F	F	Young leaves at base
	07	<i>Brahea insignis</i>	P	P	Young leaves at base
	08	<i>Brahea insignis</i>	F	F	Young leaves observed
	09	<i>Brahea insignis</i>	P	P	-
	10	<i>Brahea insignis</i>	F	F	Young leaves observed
	11	<i>Brahea insignis</i>	F	F	Young leaves observed
	12	<i>Brahea insignis</i>	P	P	-
	13	<i>Brahea insignis</i>	F	F	Young leaves observed



C-0001(Patch)\_01



C-0001(Patch)\_02



C-0001(Patch)\_03



C-0001(Patch)\_04



C-0001(Patch)\_05



C-0001(Patch)\_06



C-0001(Patch)\_07



C-0001(Patch)\_08



C-0002(Patch)\_01



C-0002(Patch)\_02



C-0002(Patch)\_03



C-0002(Patch)\_04



C-0002(Patch)\_05



C-0002(Patch)\_06



C-0002(Patch)\_07



C-0002(Patch)\_08

Contract No. : SS K509

Design and Construction of Kong Nga Po Police Training Facilities

Monitoring and Maintenance Works for Flora Species of Conservation Interest



C-0003



C-0004(Patch)\_01



C-0004(Patch)\_02



C-0004(Patch)\_03



C-0004(Patch)\_04

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C-0004(Patch)\_05



C-0004(Patch)\_06



C-0004(Patch)\_07



C-0004(Patch)\_08



C-0004(Patch)\_09



C-0004(Patch)\_10



C-0004(Patch)\_11



C-0004(Patch)\_12



C-0004(Patch)\_13



C-0004(Patch)\_14

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C-0004(Patch)\_15



C-0004(Patch)\_16



C-0004(Patch)\_17



C-0004(Patch)\_18



C-0004(Patch)\_19



C-0004(Patch)\_20

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C-0005(Patch)\_01



C-0005(Patch)\_02



C-0005(Patch)\_03



C-0005(Patch)\_04



C-0005(Patch)\_05



C-0005(Patch)\_06

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C-0005(Patch)\_07

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C-0006



C-0007(Patch)\_01



C-0007(Patch)\_02



C-0008(Patch)\_01



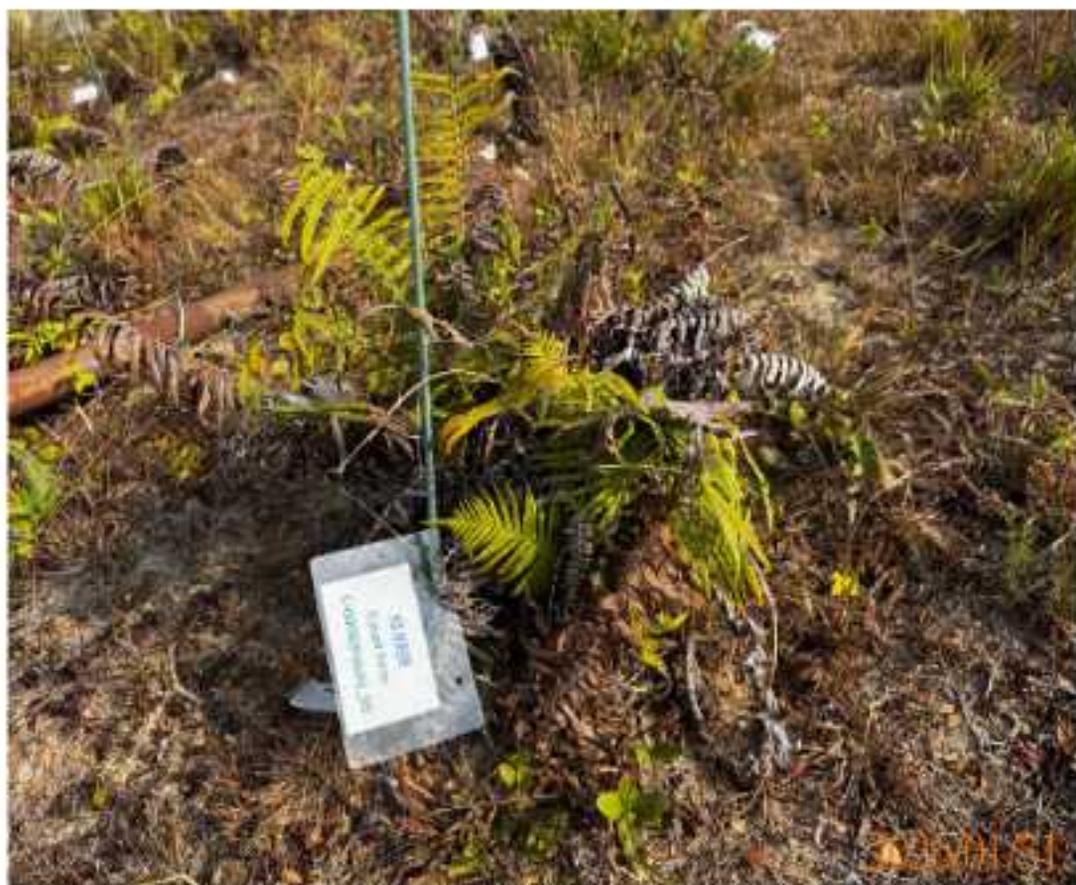
C-0008(Patch)\_02



C-0008(Patch)\_03



C-0008(Patch)\_04



C-0008(Patch)\_05



C-0008(Patch)\_06

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C-0008(Patch)\_07

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C-0009



C-0010(Patch)\_01



C-0010(Patch)\_02

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Monitoring and Maintenance Works for Flora Species of Conservation Interest



C-0010(Patch)\_03



C-0011(Patch)\_01



C-0011(Patch)\_02



C-0011(Patch)\_03



C-0011(Patch)\_04



C-0011(Patch)\_05



C-0011(Patch)\_06



C-0011(Patch)\_07



C-0011(Patch)\_08

Contract No. : SS K509

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C-0011(Patch)\_09



C-0011(Patch)\_10



C-0011(Patch)\_11



C-0011(Patch)\_12

Contract No. : SS K509

Design and Construction of Kong Nga Po Police Training Facilities

Monitoring and Maintenance Works for Flora Species of Conservation Interest



C-0011(Patch)\_13

Tree/Plant/ Colony No.	Species Name	Form (Good/Fair/Poor)	Health (Good/Fair/Poor)	Remark
L-0001	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0002	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0003	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0004	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0005	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0006	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0007	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0008	<i>Spiranthes sinensis</i>	P	P	Leaf observed
L-0009	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0010	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0011	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0012	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0013	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0014	<i>Spiranthes sinensis</i>	P	P	Leaf observed
L-0015	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0016	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0018	<i>Spiranthes sinensis</i>	P	P	Leaf observed
L-0019	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0020	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0021	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0022	<i>Spiranthes sinensis</i>	P	P	Leaf observed
L-0023	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0024	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0025	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0026	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0027	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0028	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0029	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0030	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0031	<i>Spiranthes sinensis</i>	P	P	Leaf observed
L-0032	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0033	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0034	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0035	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0036	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0037	<i>Spiranthes sinensis</i>	P	P	Leaf observed
L-0038	<i>Spiranthes sinensis</i>	P	P	Not observed
L-0039	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0040	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0041	<i>Spiranthes sinensis</i>	-	-	Not observed
L-0042	<i>Spiranthes sinensis</i>	-	-	Not observed



L-0001



L-0002



L-0003



L-0004



L-0005



L-0006



L-0007



L-0008



L-0009



L-0010



L-0011



L-0012

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L-0013



L-0014

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L-0015



L-0016



L-0018



L-0019



L-0020



L-0021



L-0022



L-0023



L-0024



L-0025



L-0026



L-0027



L-0028



L-0029



L-0030



L-0031



L-0032



L-0033

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L-0034



L-0035



L-0036



L-0037

Contract No. : SS K509

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L-0038



L-0039



L-0040



L-0041

Contract No. : SS K509

Design and Construction of Kong Nga Po Police Training Facilities

Monitoring and Maintenance Works for Flora Species of Conservation Interest



L-0042





General View (1)



General View (2)



General View (3)



General View (4)

## Post-transplantation Monitoring Checklist Police Facilities in Kong Nga Po

Contract Provision of Environmental Team  
Consultancy for Design and Construction  
of Kong Nga Po Police Training Facilities  
(Programme no. 276LP)

Inspected By ETL

Inspection Date 9-1-2026

### Part A Weather

Condition  Sunny  Fine  Overcast  Drizzle  
 Rain  Hazy

Wind  Calm  Light  Breeze  Strong

### Part B

		N/A or not observed	Yes	NO	Remarks
<b>1 Cycadfern <i>Brainea insignis</i></b>					The partial <i>Brainea insignis</i> have grown taller than previously observed.
1.1	Is the general well-being of the plants deemed satisfactory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.2	Are appropriate measures being taken to ensure the careful protection of the transplanted plants on site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.3	Has the temporary protective fence been correctly installed and is it being properly maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.4	Has the plant protection zone been established at a distance of 1m from the plants as required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.5	Are all areas covered with grass and plants consistently maintained free from weeds and unwanted vegetation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.6	Are measures taken to prevent soil compaction and protect the plants?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.7	Is prompt removal of litter and unwanted materials maintained in the planting area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.8	Are fittings being prevented from being driven into the plants?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.9	Are the plants being intentionally avoided for the purpose of anchoring, winching, or displaying signs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.10	Are all plants consistently maintained free from pests, diseases, or fungal infections?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.11	Is there sufficient space provided for the growth and development of plant roots?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.12a	Is the exposure of plant roots being prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1.12b	If not, are broken or rotting roots being avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>2 Ladies Tresses <i>Spiranthes sinensis</i></b>					
2.1	Is the general well-being of the plants deemed satisfactory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.2	Are appropriate measures being taken to ensure the careful protection of the transplanted plants on site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.3	Has the temporary protective fence been correctly installed and is it being properly maintained?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.4	Has the plant protection zone been established at a distance of 1m from the plants as required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.5	Are all areas covered with grass and plants consistently maintained free from weeds and unwanted vegetation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.6	Are measures taken to prevent soil compaction and protect the plants?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.7	Is prompt removal of litter and unwanted materials maintained in the planting area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.8	Are fittings being prevented from being driven into the plants?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.9	Are the plants being intentionally avoided for the purpose of anchoring, winching, or displaying signs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.10	Are all plants consistently maintained free from pests, diseases, or fungal infections?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.11	Is there sufficient space provided for the growth and development of plant roots?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.12a	Is the exposure of plant roots being prevented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.12b	If not, are broken or rotting roots being avoided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## Advice/Observations

- 1) Please refer to the guidelines on soil improvement issued by the Greening, Landscape and Tree Management Section (GLTMS) of the development bureau (2022) to apply to monitoring and maintenance of transplanted flora species.
- 2) Daily watering frequency is needed to keep the soil moist.
- 3) The Damaged Sun Shade Net is replaced.
- 4) The installation of a shaded net is shown as a sample below



IEC	ETL	Contractor Representative
Name: <u>Mr. Law</u> Date: _____	 Name: <u>Mr. W.H. Lee</u> Date: <u>9-1-2026</u>	Name: <u>Marian Kong</u> Date: _____

**The installation of a shaded net**



Remark: Non scale & Conceptual drawing

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**APPENDIX I**  
**EVENT ACTION PLANS**

---

**Appendix I:**

**Table I-1: Event / Action Plan for Air Quality**

EVENT	ACTION			
	ET	IEC	PERMIT HOLDER	CONTRACTOR
<b>ACTION LEVEL</b>				
1. Exceedance for one sample	<ol style="list-style-type: none"> <li>1. Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>2. Inform IEC, ER and Contractor;</li> <li>3. Repeat measurement to confirm finding; and</li> <li>4. Increase monitoring frequency to daily.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by ET;</li> <li>2. Check Contractor's working method.</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify Contractor.</li> </ol>	<ol style="list-style-type: none"> <li>1. Rectify any unacceptable practice.</li> <li>2. Amend working methods if appropriate.</li> </ol>
2. Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> <li>1. Identify source;</li> <li>2. Inform IEC, ER and Contractor;</li> <li>3. Advise the WKCD on the effectiveness of the proposed remedial measure;</li> <li>4. Repeat measurements to confirm findings;</li> <li>5. Increase monitoring frequency to daily;</li> <li>6. Discuss with IEC and Contractor on remedial actions required;</li> <li>7. If exceedance continues, arrange meeting with IEC and ER; and</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by ET;</li> <li>2. Check Contractor's working method;</li> <li>3. Discuss with ET and Contractor on possible remedial measures;</li> <li>4. Advise the ET on the effectiveness of the proposed remedial measures; and</li> <li>5. Monitor implementation of remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing;</li> <li>2. Notify Contractor; and</li> <li>3. Ensure remedial measures properly implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Submit proposals for remedial to ER within 3 working days of notification;</li> <li>2. Implement the agreed proposals; and</li> <li>3. Amend proposal if appropriate.</li> </ol>

EVENT	ACTION			
	ET	IEC	PERMIT HOLDER	CONTRACTOR
	8. If exceedance stops, cease additional monitoring.			
<b>LIMIT LEVEL</b>				
1. Exceedance for one sample	<ol style="list-style-type: none"> <li>1. Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>2. Inform ER, Contractor and EPD;</li> <li>3. Repeat measurement to confirm finding;</li> <li>4. Increase monitoring frequency to daily; and</li> <li>5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and the ER informed of the results.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by ET;</li> <li>2. Check Contractor's working method;</li> <li>3. Discuss with ET and Contractor on possible remedial measures;</li> <li>4. Advise the ER on the effectiveness of the proposed remedial measures; and</li> <li>5. Monitor the implementation of remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing;</li> <li>2. Notify Contractor; and</li> <li>3. Ensure remedial measures properly implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate actions to avoid further exceedance;</li> <li>2. Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>3. Implement the agreed proposals; and</li> <li>4. Amend proposal if appropriate.</li> </ol>
2. Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> <li>1. Notify IEC, the ER, Contractor and EPD;</li> <li>2. Identify source;</li> <li>3. Repeat measurement to confirm findings;</li> <li>4. Increase monitoring frequency to daily;</li> <li>5. Carry out analysis of Contractor's working procedures to determine</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by ET;</li> <li>2. Check Contractor's working method;</li> <li>3. Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing;</li> <li>2. Notify Contractor;</li> <li>3. In consultation with IEC, agree with the Contractor on the remedial measures to be implemented;</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate actions to avoid further exceedance;</li> <li>2. Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>3. Implement the agreed proposals;</li> </ol>

EVENT	ACTION			
	ET	IEC	PERMIT HOLDER	CONTRACTOR
	<p>possible mitigation to be implemented;</p> <p>6. Arrange meeting with IEC, and ER to discuss the remedial actions to be taken;</p> <p>7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and</p> <p>8. If exceedance stops, cease additional monitoring.</p>	<p>4. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and</p> <p>5. Monitor implementation of remedial measures.</p>	<p>4. Ensure remedial measures properly implemented; and</p> <p>5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.</p>	<p>4. Resubmit proposals if problem still not under control; and</p> <p>5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.</p>

Abbreviations: ET – Environmental Team, IEC – Independent Environmental Checker

**Table I-2: Event / Action Plan for Construction Noise**

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

EVENT	ACTION			
	ET	IEC	PERMIT HOLDER	CONTRACTOR
	remedial measure required; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and 8. If exceedance stops, cease additional monitoring.		stopping the Contractor to continue working in that portion of work which causes the exceedance until the exceedance is abated.	determined by the ER until the exceedance is abated.

Abbreviations: ET – Environmental Team, IEC – Independent Environmental Checker

**Table I-3: Event / Action Plan for Landscape and Visual Mitigation Measures**

EVENT	ACTION			
	ET	IEC	PERMIT HOLDER	CONTRACTOR
Non-conformity on one occasion	Identify source. Inform IEC and ER. Discuss remedial actions with IEC, ER and Contractor. Monitor remedial actions until rectification has been completed.	Check report. Check Contractor's working method. Discuss with ET and Contractor on possible remedial measures. Advise ER on effectiveness of proposed remedial measures. Check implementation of remedial measures.	Notify Contractor. Ensure remedial measures are properly implemented	Amend working methods to prevent recurrence of nonconformity. Rectify damage and undertake additional action necessary.
Repeated Nonconformity	Identify source. Inform IEC and ER. Increase monitoring frequency. Discuss remedial actions with IEC, ER and Contractor. Monitor remedial actions until rectification has been completed. If non-conformity stops, cease additional monitoring.	Check monitoring report. Check Contractor's working method. Discuss with ET and Contractor on possible remedial measures. Advise ER on effectiveness of proposed remedial measures. Supervise implementation of remedial measures.	Notify Contractor. Ensure remedial measures are properly implemented.	Amend working methods to prevent recurrence of nonconformity. Rectify damage and undertake additional action necessary.

Abbreviations: ET – Environmental Team, IEC – Independent Environmental Checker

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**APPENDIX J**  
**SUMMARY OF EXCEEDANCE**

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**Appendix J: Exceedance Report****(A) Exceedance Report for Air Quality**

Environmental Monitoring	Parameter	No. of non-project related Exceedance		No. of Exceedance related to the Construction Activities of this Contract		Cumulative No. of Exceedance recorded
		Action Level	Limit Level	Action Level	Limit Level	
Air Quality	1-hr TSP	0	0	0	0	0

**(B) Exceedance Report for Construction Noise**

Environmental Monitoring	Parameter	No. of non-project related Exceedance		No. of Exceedance related to the Construction Activities of this Contract		Cumulative No. of Exceedance recorded
		Action Level	Limit Level	Action Level	Limit Level	
Noise	Leq(30 min) dB(A)	0	0	0	0	0

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**APPENDIX K  
ENVIRONMENTAL MITIGATION  
IMPLEMENTATION SCHEDULE (EMIS)**

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Item No.	Sub-Item No.	Recommended Mitigation Measures	Objectives of the Recommended Measure & Other Concerns to Address	Responsibility Agent	Location / Location of the measure	Implementation Status	Responsible Organizations & Subdivisions	Implementation Status
						Done		
<b>Water Quality Insect Construction Phase</b>								
4.4.1.1	4.2	General Construction Activities: The following measures should be implemented:	Maintain good site practices to avoid pollution of water courses	Contractor	Within the Project site / During construction phase	✓	Water Pollution Control Ordinance (Cap. 224), ProP&O Rule No. 154	
4.4.1.2	4.2	<ul style="list-style-type: none"> <li>• Construction waste, debris and refuse generated on site should be stored or contained appropriately to prevent them drifting nearby watercourses or blocking stormwater drains.</li> <li>• Regular waste removal of these materials should be maintained to minimize the volume of waste present on the construction site at any one time.</li> </ul>						✓
		<p><b>Construction Site Runoff</b></p> <p>The site practices outlined in ProP&amp;O Rule No. 154 should be followed as far as practicable in order to minimize surface runoff and the chance of erosion. The following measures are recommended:</p> <ul style="list-style-type: none"> <li>• Temporary site drainage facilities are to be designed and implemented by the contractor prior to commencement of construction to convey surface runoff to storm drains, including adequately designed silt and removal traps and sediment basins.</li> <li>• Runoff into the excavation areas during rainstorm events shall be minimized as far as practicable. Any wastewater pumped out of the excavation areas shall be treated to remove suspended solids prior to discharge.</li> <li>• Open stockpiles of material should be covered on site with water-proof layers such as tarpaulins to reduce the potential for sediment laden runoff entering the drainage system.</li> <li>• The wheels of all vehicles and plant should be cleaned before leaving the work area to remove sediment, soil and debris from the roads. The washwater should be treated to remove any suspended sediment.</li> <li>• Menholes, including those constructed as part of the Project should be adequately covered and temporarily sealed at all times to prevent silt, construction materials or</li> </ul>						✓

		<p>cease from entering the drainage system, and to prevent storm runoff from entering foul sewers. The discharge of surface runoff into foul sewers should be prevented so as not to overload the sewerage system.</p> <ul style="list-style-type: none"> <li>Discharges should be collected by the temporary drainage system installed by the Contractor and treated onsite to remove sediment prior to discharge to the effluent drainage pipe. The Contractor is required to obtain a discharge licence from EPA under the WIPDD for all discharges from all work of discharges meeting the water quality requirements of the Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TMACDD)</li> </ul>							
4.1.3	4.2	<p><b>Accidental Spillage of Chemicals</b> In accordance with the Waste Disposal (Chemical Waste) (Control) Regulation (CWR 1992), the following measures should be implemented:</p> <ul style="list-style-type: none"> <li>The labelling and storage of chemicals should be in accordance with the code of Practice on the Packaging, Labelling and Storage of Chemical Wastes and maintained as advised by the contractor.</li> <li>Oil and fuels should only be stored in designated areas which have appropriate pollution prevention control facilities such as oil and grease traps.</li> </ul>	Prevent accidental discharge of chemicals into the surrounding environment	Contractor	Within the Project site / During construction phase	✓	Code of Practice on the Packaging Labelling and Storage of Chemical Wastes (Waste Disposal) (Chemical Waste) (General) Regulation (CWR 1992)	Y	
4.1.4	4.2	<p><b>Sewage from construction activities</b> Potable toilets should be available throughout the construction phase and regularly maintained, collected and disposed by a licensed waste collector to a public sewage treatment works for suitable treatment.</p>	Prevent discharge of sewage into the surrounding environment	Contractor	Within the Project site / During construction phase	✓	Water Pollution Control Ordinance (Cap. 353), WIPDD, Note PA 1/94	Y	

EIA Ref.	EMIA Ref.	Environmental Mitigation Measures	Significance of the Environmental Impacts & their Concerns to address	Responsible Agency	Location / Duration of the Measure	Implementation Status			Supporting Legislation & Guidelines	Implementation Status
						Yes	No	Part		
<b>Waste Management Implications: Construction Phase</b>										
7.6.1.1	6.2	<p><b>Good Site Practice</b></p> <p>Recommendations for good site practices during the construction activities include:</p>	Implement good site practices to minimize waste generation.	Contractor	Project construction site / Throughout construction stage / Until completion of all construction activities			✓	Waste Disposal Ordinance (Cap 246); Waste Disposal (Chemical Waste) (Control) Regulation (Cap 246); and EP/OM Technical Circular (Waste No. 14/2006)	✓
		<ul style="list-style-type: none"> <li>• Training of site personnel in proper waste management and chemical handling procedures</li> <li>• Provision of suitable waste disposal containers and/or collection of waste</li> <li>• Provision of wheel washing facilities before the trucks leaving the works area so as to minimize dust introduced to public roads.</li> </ul>							EP/OM Technical Circular (Waste No. 14/2006)	✓
7.6.1.2	6.2	<p><b>Waste Reduction Measures</b></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"> <li>• Don't overuse C&amp;D materials whenever any recyclable portions</li> <li>• Separate and store different types of waste in different containers or bins or enclosures to enhance reuse or recycling of materials and their proper disposal</li> </ul>							Waste Disposal Ordinance (Cap 246)	✓

T & T.3	6.2	<p><b> inert and Non-inert G&amp;D Materials</b></p> <p>In order to minimize impacts resulting from collection and transportation of inert G&amp;D materials for off-site disposal, the inert G&amp;D materials should be reused on-site as fill material as far as practicable. In addition, inert G&amp;D materials generated from excavation works could be reused as fill materials in local projects that require public fill for reclamation.</p> <p>The surplus inert G&amp;D materials will be disposed of at the Government's PFRPs for beneficial use by other projects in Hong Kong.</p> <p>The G&amp;D materials generated from general site clearance should be sorted on site to segregate e.g. inert materials for reuse or disposal at PFRPs whereas the non-inert materials will be disposed of at the designated landfill site.</p> <p>In order to monitor the disposal of inert and non-inert G&amp;D materials at respective PFRPs and the designated landfill site, and to control fly-tipping, it is recommended that the Contractor should follow the above technical circular (works) No. 40/2012 for Tilt Ticket System for Disposal of Construction &amp; Demolition Materials issued by Development Bureau. In addition, it is also recommended that the Contractor should prepare and implement a waste management plan covering their various waste arising and waste management practices in accordance with the relevant requirements of the above technical circular (works) No. 1/2006 Environmental Management on Construction Site.</p>	<p>Minimize impacts resulting from collection and transportation of inert G&amp;D materials.</p>	Contractor	Project construction site / Throughout construction stage / Until completion of all construction activities.		✓	<p>Basic Disposal Codebook (Cap 354), DDWD Technical Circular (works) No. 020-10 for Tilt Ticket System for Disposal of Construction &amp; Demolition Materials and DTWB Technical Circular (works) No. 15/2005 Environmental Management on Construction Site.</p>	Y
T & T.4	6.2	<p><b>Chemical Waste</b></p> <p>If chemical wastes are produced at the construction site, the Contractor will be required to register with the EPD as a chemical waste producer and to follow the guidelines stated in the "Code of Practice on the Packaging Labelling and Vessels" issued quarterly containers, compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as: explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor should use a licensed collector to transport and dispose of the chemical wastes at the approved Chemical Waste Treatment Centre or other licensed recycling facilities, in accordance with the latest Disposal</p>	<p>implement good practices to avoid chemical waste impact.</p>	contractor	Project construction site / Throughout construction stage / Until completion of all construction activities		✓	<p>Code of Practice on the Packaging Labelling and Storage of Chemical Wastes Waste Disposal (Chemical Waste) (General) Regulation (Cap 354C)</p>	Y

		<p><b>Chemical Waste (General) Regulation</b>          Potential environmental impacts arising from the handling activities (including storage, collection, transportation and disposal of chemical waste) are expected to be minimal with the implementation of appropriate mitigation measures as recommended.</p>							
7.8.1.8	8.2	<p><b>General Refuse</b>          General refuse should be stored in enclosed bins or compaction units separated from inert C&amp;D materials. A separate waste collector should be employed by the Contractor to remove general refuse from the site, separately from inert C&amp;D materials. Preferably an enclosed and covered area should be provided to reduce the associated wind-blown light materials.</p>	<p>implement good practices to avoid disturbance or pollution/problem and waste impact.</p>	Contractor	<p>Project construction site / Throughout construction stage / Until completion of all construction activities</p>	✓		<p>State Chapter Ordinance (Cap 68A) - Public Health and Municipal Services Ordinance (Cap 100) - Public Cleansing and Prevention of Nuisance.</p>	✓

DIA Ref	DIA Sub Ref	Environmental Mitigation Measures	Significance of the Environmental Effects & their Consequences to receptors	Implementation Agent	Location / Duration of the Measure	Implementation Status			Relevant Legislative & Conditions	Implementation Status
						100	C	Q		
<b>Biological Impact</b>										
6.7.1	6.3	<p><b>Temporary Protective Fence for Flora Species of Conservation Interest</b></p> <p>During construction phase, erection and maintenance of a temporary protective fence enclosing the flora species of conservation interest identified under the detailed vegetation survey &amp; recommended.</p> <p>Monthly monitoring of any other flora species of conservation interest identified in the detailed vegetation survey should be conducted during the construction phase.</p>	<p>To avoid potential impact on flora species of conservation interest from construction activities such as materials storage;</p> <p>To make sure that the flora species of conservation interest are not affected by the construction activities of the Project</p>	Contractor	Project construction site / Throughout construction stage / Until completion of all construction activities		✓		WAC/TH	Y
<b>Landscape and Visual Impact: Construction Phase</b>										
Table 12.11	Table 6.5	<p>CVET: Trees / adjacent within the Project site which are unaffected by the works shall be protected and preserved during the proposed site/plan and construction phase. The tree preservation process shall be coordinated with the layout and design stage engineering and architectural works at detailed design stage for further retention of individual trees. The preservation of existing tree shall provide noise screening and screening effect for proposed works. Tree protection works will be undertaken in accordance with DEWB TDWE 70015 on Tree Preservation and tree risk assessment in accordance with Guidelines for Tree Risk Assessment and Management Arrangement by DEWB.</p>	<p>Reserve and protect existing trees</p>	Contractor	Project site / During design stage / construction phase / Establishment Period	✓	✓		<p>WAC/TH</p> <p>Protection of Endangered Species of Animals and Plants Ordinance (Cap 609);</p> <p>DEWB TDWE No. 60015 Maintenance of Vegetation and Hard Landscape Features;</p> <p>ETWB TDWE No. 26004 Regulation of Old and Valuable Trees and Guidelines for their Preservation;</p> <p>DEWB TDWE No. 670015 Tree Preservation;</p> <p>ETWB (2007) - General Guidelines on Tree Pruning</p> <p>DEWB (120015)</p>	Y

									-Guidelines for Tree Risk Assessment and Management as an AVEE task and on a Tree Risk	Y
Task 10.11	Task 5.7	OMG: Dechlorane screen housing will be erected along sides of the construction works site boundary where the works site borders publicly accessible routes given it close to visually sensitive receivers (VSRs) to screen undesirable views of the works site. It is proposed that the screening as compatible with the surrounding environment and where possible, non-reflective, recessive colours be used	Minimize landscape and visual impacts	Connector	Project area - areas adjacent to sensitive receivers / during construction phase		✓		EMAD-TM	Y

Note 1: Des = Design; C = Construction; O = Operation

**APPENDIX L  
WASTE GENERATION IN THE  
REPORTING MONTH**

## Monthly Summary Waste Flow Table for 2025 (year)

Project: Design and Construction of Road Near To Police Training Facilities

Contract No.: 22/23/28

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Dimensional Material	Reused in the Contract	Reused in other Projects	Disposed at Public Fill	Imported Fill	Metals	Paper/cardboard packaging	Plastics (see Note 3)	Chemical Wastes	Others, e.g. general refuse
	(in 100m <sup>3</sup> )	(in 100m <sup>3</sup> )	(in 100m <sup>3</sup> )	(in 100m <sup>3</sup> )	(in 100m <sup>3</sup> )	(in 100m <sup>3</sup> )	(in 100m <sup>3</sup> )	(in 100 kg)	(in 100kg)	(in 100kg)	(in 100kg)	(in 100 m <sup>3</sup> )
Cumulative in 2023	18.796	0.000	0.000	0.000	0.000	18.796	0.000	0.000	0.041	0.004	0.000	0.657
Cumulative in 2024	88.120	0.000	0.000	39.942	32.072	15.607	0.000	12.077	1.120	4.434	0.000	1.240
Cumulative in 2025	47.242	0.000	0.000	23.188	9.829	13.304	0.000	0.000	0	0	0.000	17.459
Jan	3.046	0.000	0.000	0.000	0.000	3.046	0.000	0.000	0.000	0.000	0.000	0.927
Feb												
Mar												
Apr												
May												
Jun												
Sub-total	3.046	0.000	0.000	0.000	0.000	3.046	0.000	0.000	0.000	0.000	0.000	0.927
Jul												
Aug												
Sep												
Oct												
Nov												
Dec												
Total	112.200	0.000	0.000	43.130	41.801	42.225	0.000	12.077	1.120	4.434	0.000	17.243

Note: (1) The performance targets are given in the Particular Specification on Environmental Management Plan.

(2) The waste flow table shall also include construction waste that are specified in the Contract to be imported for use at the site.

(3) Plastics refer to plastic bottles/containers, plastic sheets from formwork packaging material.

(4) Reuse assumes the recycling into aggregates.

(5) If necessary, use the conversion factor: 1 full load of dumping truck being equivalent to 1.1 m<sup>3</sup> by volume.

	Date of transaction 交易日期	Vehicle No. 車牌號碼	Account No. 賬戶編號	Chit No. 入帳票編號	Time-in 進入時間	Time-out 離開時間	Waste depth (meter) 廢物深度 (米)	Weight-in (tonne) 入磅重量 (公噸)	Weight-out (tonne) 出磅重量 (公噸)	Net weight (tonne) 淨重量 (公噸)
NENT	02/01/26	ZL8*09	7046289	30999489	08:30	08:48	0.78	18.95	17.06	1.89
NENT	02/01/26	ZL8*09	7046289	30999490	09:41	10:00	0.81	19.53	17.06	2.47
NENT	02/01/26	ZL8*09	7046289	30999491	11:18	11:39	1.38	20.52	17.05	3.47
NENT	02/01/26	ZL8*09	7046289	30999492	12:28	12:46	0.99	19.26	17.06	2.2
NENT	02/01/26	UJ1*2	7046289	30999582	12:46	13:11	0.87	20.63	16.49	4.14
NENT	02/01/26	ZL8*09	7046289	30999493	14:09	14:32	0.99	18	17.1	0.9
NENT	02/01/26	ZL8*09	7046289	30999494	15:29	15:49	0.89	21.63	17.09	4.54
NENT	03/01/26	587*8	7046289	30999583	09:12	09:33	1.11	22.41	18.27	4.14
NENT	03/01/26	587*8	7046289	30999544	10:48	11:08	0.71	21.65	18.25	3.4
NENT	03/01/26	RD2*11	7046289	30999545	13:27	13:48	0.58	18.21	17.04	1.17
NENT	03/01/26	XM6*51	7046289	30999546	14:01	14:23	0.77	16.77	15.94	0.83
NENT	03/01/26	UJ1*2	7046289	30999127	16:10	16:32	0.73	20	16.47	3.53
NENT	05/01/26	ZL8*09	7046289	30999547	08:57	09:18	0.73	18.83	17.06	1.77
NENT	05/01/26	ZL8*09	7046289	30999495	10:35	11:00	0.92	20.16	17.06	3.1
NENT	05/01/26	XM6*51	7046289	30999548	11:50	12:17	0.65	17.7	15.99	1.71
NENT	05/01/26	ZL8*09	7046289	30999496	12:14	12:35	1.46	21.08	17.05	4.03
NENT	05/01/26	ZL8*09	7046289	30999549	14:08	14:29	0.97	19.11	17.18	1.93
NENT	05/01/26	ZL8*09	7046289	30999550	15:46	16:09	0.71	21.2	17.21	3.99
NENT	05/01/26	XM6*51	7046289	30999551	16:41	17:06	0.63	20.38	15.94	4.44
NENT	06/01/26	UJ1*2	7046289	30999552	08:01	08:18	0.74	19.71	16.33	3.38
NENT	06/01/26	ZL8*09	7046289	30999554	08:26	08:46	0.96	19.27	17.17	2.1
NENT	06/01/26	UJ1*2	7046289	30999553	09:27	09:48	0.73	17.64	16.33	1.31
NENT	06/01/26	ZL8*09	7046289	30999497	09:38	10:00	0.7	19.57	17.19	2.38
NENT	06/01/26	ZL8*09	7046289	30999498	11:07	11:27	1.35	21.33	17.18	4.15
NENT	06/01/26	UJ1*2	7046289	30999555	11:33	11:55	0.74	18.07	16.32	1.75
NENT	06/01/26	ZL8*09	7046289	30999499	12:18	12:37	0.82	18.97	17.14	1.83
NENT	06/01/26	ZL8*09	7046289	30999500	13:35	13:54	0.66	21.01	17.13	3.88
NENT	06/01/26	UJ1*2	7046289	30999556	13:50	14:10	0.78	19.27	16.44	2.83
NENT	06/01/26	ZL8*09	7046289	30999557	14:46	15:08	0.64	20.06	17.13	2.93
NENT	06/01/26	UJ1*2	7046289	30999558	16:20	16:39	0.58	17.13	16.47	0.66
NENT	06/01/26	XM6*51	7046289	30999559	16:33	16:55	0.42	17.2	15.95	1.25
NENT	07/01/26	UJ1*2	7046289	30999560	08:23	08:42	1.06	20.08	16.43	3.65
NENT	07/01/26	ZL8*09	7046289	30999501	08:25	08:48	0.82	19.66	17.09	2.57
NENT	07/01/26	UJ1*2	7046289	30999503	09:53	10:15	0.89	19.61	16.42	3.19
NENT	07/01/26	ZL8*09	7046289	30999502	11:38	11:57	0.53	20.51	17.24	3.27
NENT	07/01/26	UJ1*2	7046289	30999561	12:15	12:36	0.74	17.13	16.41	0.72
NENT	07/01/26	UJ1*2	7046289	30999563	13:39	14:02	0.71	17.99	16.4	1.59
NENT	07/01/26	ZL8*09	7046289	30999562	14:07	14:27	1.27	20.45	17.37	3.08
NENT	07/01/26	UJ1*2	7046289	30999504	16:05	16:25	0.72	20.23	16.39	3.84
NENT	08/01/26	UJ1*2	7046289	30999644	08:08	08:28	0.63	18.42	16.35	2.07
NENT	08/01/26	ZL8*09	7046289	30999646	08:34	08:54	0.55	19.96	17.31	2.65
NENT	08/01/26	UJ1*2	7046289	30999645	09:44	10:04	0.59	18.05	16.34	1.71
NENT	08/01/26	ZL8*09	7046289	30999505	09:46	10:07	0.67	19.72	17.3	2.42
NENT	08/01/26	ZL8*09	7046289	30999506	11:01	11:22	1.09	21.24	17.29	3.95
NENT	08/01/26	UJ1*2	7046289	30999647	11:56	12:17	0.62	20.45	16.34	4.11
NENT	08/01/26	ZL8*09	7046289	30999507	12:44	13:02	0.81	18.44	17.17	1.27
NENT	08/01/26	UJ1*2	7046289	30999648	13:13	13:35	0.82	17.58	16.33	1.25
NENT	08/01/26	ZL8*09	7046289	30999649	14:10	14:32	1.06	20.59	17.15	3.44
NENT	08/01/26	RD2*11	7046289	30999650	14:18	14:40	0.84	18.09	16.92	1.17
NENT	08/01/26	UJ1*2	7046289	30999651	15:16	15:37	0.76	20.23	16.49	3.74
NENT	08/01/26	ZL8*09	7046289	30999508	15:28	15:50	1.31	20.31	17.14	3.17

NENT	09/01/26	U01*2	7046289	30999652	08:29	08:49	0.52	17.4	16.46	0.94
NENT	09/01/26	U01*2	7046289	30999653	11:03	11:24	0.98	20.04	16.45	3.59
NENT	09/01/26	U01*2	7046289	30999654	13:49	14:11	0.52	17.3	16.46	0.84
NENT	09/01/26	U01*2	7046289	30999655	15:15	15:36	0.87	18.42	16.44	1.98
NENT	10/01/26	U01*2	7046289	30999657	08:09	08:31	0.9	18.04	16.42	1.62
NENT	10/01/26	ZL8*09	7046289	30999656	08:09	08:31	0.96	20.92	17.15	3.77
NENT	10/01/26	5B7*8	7046289	30999659	09:40	10:01	1.01	20.6	18.26	2.34
NENT	10/01/26	U01*2	7046289	30999509	10:03	10:22	0.95	20.74	16.41	4.33
NENT	10/01/26	U01*2	7046289	30999658	11:36	11:57	0.79	18.51	16.4	2.11
NENT	10/01/26	U01*2	7046289	30999660	13:03	13:24	0.69	18.19	16.39	1.8
NENT	10/01/26	U01*2	7046289	30999661	14:58	15:19	0.9	20.03	16.5	3.53
NENT	12/01/26	U01*2	7046289	30999662	08:09	08:29	0.86	18.91	16.48	2.43
NENT	12/01/26	5B7*8	7046289	30999664	09:25	09:46	0.92	21.71	18.28	3.43
NENT	12/01/26	U01*2	7046289	30999663	09:36	09:58	0.5	19.59	16.47	3.12
NENT	12/01/26	U01*2	7046289	30999665	11:38	11:57	1.1	20.43	16.45	3.98
NENT	12/01/26	5B7*8	7046289	30999666	12:46	13:07	0.99	23.08	18.26	4.82
NENT	12/01/26	U01*2	7046289	30999667	12:50	13:13	0.42	20.68	16.45	4.23
NENT	12/01/26	U01*2	7046289	30999668	14:49	15:10	0.59	20.74	16.44	4.3
NENT	13/01/26	U01*2	7046289	30999669	08:08	08:28	0.56	18.01	16.4	1.61
NENT	13/01/26	U01*2	7046289	30999670	09:18	09:37	0.89	16.71	16.4	0.31
NENT	13/01/26	U01*2	7046289	30999671	11:28	11:50	1.05	19.77	16.38	3.39
NENT	13/01/26	U01*2	7046289	30999672	13:16	13:37	0.9	18.28	16.37	1.91
NENT	13/01/26	U01*2	7046289	30999673	15:19	15:45	0.78	19.75	16.49	3.26
NENT	14/01/26	U01*2	7046289	30999674	08:22	08:42	0.99	17.9	16.46	1.44
NENT	14/01/26	U01*2	7046289	30999675	09:53	10:14	0.89	17.95	16.46	1.49
NENT	14/01/26	U01*2	7046289	30999510	11:55	12:15	0.98	17.74	16.44	1.3
NENT	14/01/26	U01*2	7046289	30999676	13:14	13:37	0.6	19.62	16.45	3.17
NENT	14/01/26	U01*2	7046289	30999677	15:11	15:37	0.45	19.01	16.45	2.56
NENT	15/01/26	U01*2	7046289	30999678	08:23	08:43	0.52	18.82	16.43	2.39
NENT	15/01/26	U01*2	7046289	30999511	10:10	10:31	1.1	20.52	16.42	4.1
NENT	15/01/26	U01*2	7046289	30999679	11:52	12:14	0.87	18.08	16.4	1.68
NENT	15/01/26	U01*2	7046289	30999680	13:22	13:45	0.65	18.69	16.39	2.3
NENT	15/01/26	U01*2	7046289	30999681	15:15	15:37	0.84	18.52	16.52	2
NENT	16/01/26	U01*2	7046289	30999682	08:02	08:21	0.97	18.12	16.5	1.62
NENT	16/01/26	ZL8*09	7046289	30999683	15:48	16:08	1.34	20.52	17.13	3.39
NENT	17/01/26	U01*2	7046289	30999684	08:06	08:24	1.07	20.52	16.45	4.07
NENT	17/01/26	U01*2	7046289	30999685	12:30	12:53	1.75	16.93	16.39	0.54
NENT	20/01/26	U01*2	7046289	30999688	08:02	08:21	0.98	18.3	16.43	1.87
NENT	20/01/26	U01*2	7046289	30999512	10:07	10:28	1.08	18.7	16.41	2.29
NENT	20/01/26	U01*2	7046289	30999689	11:57	12:21	0.95	17.86	16.4	1.46
NENT	20/01/26	U01*2	7046289	30999690	13:58	14:21	0.98	20.08	16.39	3.69
NENT	20/01/26	U01*2	7046289	30999691	15:34	15:55	0.92	19.19	16.53	2.66
NENT	21/01/26	U01*2	7046289	30999692	09:15	09:38	1	18.2	16.49	1.71
NENT	21/01/26	U01*2	7046289	30999693	10:47	11:13	0.72	18.52	16.48	2.04
NENT	21/01/26	U01*2	7046289	30999694	12:27	12:46	0.6	19.89	16.47	3.42
NENT	21/01/26	U01*2	7046289	30999695	14:25	14:45	1.14	19.82	16.47	3.35
NENT	21/01/26	U01*2	7046289	30999696	15:50	16:14	0.77	18.7	16.45	2.25
NENT	22/01/26	U01*2	7046289	30999697	08:17	08:37	0.97	18.7	16.42	2.28
NENT	22/01/26	5B7*8	7046289	30999699	09:10	09:32	0.52	19.45	18.25	1.2
NENT	22/01/26	U01*2	7046289	30999698	09:41	10:05	1.23	17.95	16.43	1.52
NENT	22/01/26	5B7*8	7046289	30999700	10:38	11:04	1.02	24.59	18.26	6.33
NENT	22/01/26	U01*2	7046289	30999513	11:01	11:23	1.26	17.07	16.41	0.66
NENT	22/01/26	U01*2	7046289	30999702	12:43	13:05	0.65	19.98	16.4	3.58
NENT	22/01/26	5B7*8	7046289	30999701	13:15	13:37	0.9	24.67	18.24	6.43
NENT	22/01/26	U01*2	7046289	30999704	14:10	14:31	0.74	19.37	16.39	2.98
NENT	22/01/26	U01*2	7046289	30999703	16:13	16:34	0.93	20.9	16.53	4.37
NENT	23/01/26	U01*2	7046289	30999705	08:23	08:43	0.78	19.57	16.51	3.06
NENT	23/01/26	U01*2	7046289	30999706	09:44	10:07	0.81	18.41	16.5	1.91

NENT	23/01/26	U01*2	7046289	30999707	11:32	12:03	0.73	18.73	16.48	2.25
NENT	23/01/26	U01*2	7046289	30999708	13:00	13:22	0.9	19.41	16.48	2.93
NENT	23/01/26	U01*2	7046289	30999709	14:17	14:38	0.63	19.63	16.47	3.16
NENT	23/01/26	U01*2	7046289	30999514	15:46	16:11	0.95	17.45	16.45	1
NENT	24/01/26	U01*2	7046289	30999710	12:47	13:07	0.79	18.53	16.42	2.11
NENT	24/01/26	U01*2	7046289	30999711	13:57	14:17	0.74	19.23	16.43	2.8
NENT	24/01/26	U01*2	7046289	30999712	15:45	16:06	0.68	20.58	16.55	4.03
NENT	26/01/26	U01*2	7046289	30999713	08:01	08:19	0.96	18.52	16.51	2.01
NENT	26/01/26	XM6*51	7046289	30999714	11:51	12:18	0.66	17.15	15.94	1.21
NENT	27/01/26	U01*2	7046289	30999715	08:02	08:20	1	18.31	16.41	1.9
NENT	27/01/26	U01*2	7046289	30999716	09:22	09:47	0.81	17.74	16.4	1.34
NENT	27/01/26	U01*2	7046289	30999717	10:44	11:12	0.65	19.91	16.39	3.52
NENT	27/01/26	U01*2	7046289	30999515	12:50	13:12	0.97	19.03	16.52	2.51
NENT	27/01/26	U01*2	7046289	30999718	14:12	14:39	1.05	18.29	16.51	1.78
NENT	27/01/26	U01*2	7046289	30999719	15:33	15:53	0.84	18.78	16.5	2.28
NENT	28/01/26	U01*2	7046289	30999720	12:24	12:44	0.73	19.7	16.47	3.23
NENT	28/01/26	ZL8*09	7046289	30999721	14:17	14:44	1.4	20.27	17.11	3.16
NENT	28/01/26	YN1*02	7046289	30999722	16:22	16:43	1.35	23.35	20.19	3.16
NENT	29/01/26	U01*2	7046289	30999723	08:02	08:20	0.78	19.33	16.41	2.92
NENT	29/01/26	U01*2	7046289	30999724	09:20	09:43	0.92	18.4	16.4	2
NENT	29/01/26	U01*2	7046289	30999725	10:48	11:09	0.51	17.96	16.39	1.57
NENT	29/01/26	U01*2	7046289	30999726	12:36	12:59	0.85	17.88	16.38	1.5
NENT	29/01/26	U01*2	7046289	30999727	14:21	14:45	0.54	19.39	16.53	2.86
NENT	29/01/26	U01*2	7046289	30999728	15:52	16:14	0.43	19.15	16.51	2.64
NENT	30/01/26	U01*2	7046289	30999729	08:03	08:26	1	17.79	16.5	1.29
NENT	30/01/26	ZL8*09	7046289	30999731	11:30	11:53	0.65	20.72	17.13	3.59
NENT	30/01/26	U01*2	7046289	30999730	11:42	12:10	0.63	18.43	16.48	1.95
NENT	30/01/26	U01*2	7046289	30999732	15:42	16:06	0.37	19.02	16.45	2.57
NENT	31/01/26	U01*2	7046289	30999733	08:05	08:27	0.92	17.74	16.41	1.33
NENT	31/01/26	U01*2	7046289	30999734	09:42	10:08	0.96	18.75	16.52	2.23
NENT	31/01/26	U01*2	7046289	30999735	13:41	14:01	0.78	17.93	16.5	1.43
NENT	31/01/26	U01*2	7046289	30999736	15:46	16:07	0.98	19.1	16.48	2.62
NENT	31/01/26	ZL8*09	7046289	30999737	16:20	16:39	0.99	18.03	17.14	0.89
TM38--FB	03/01/26	ZJ1*47	7046289	30999406	09:18	09:24	0	36.6	16.38	20.22
TM38--FB	03/01/26	ZJ1*47	7046289	30999405	11:50	11:59	0	36.36	16.36	20
TM38--FB	03/01/26	ZJ4*30	7046289	30999409	12:14	12:20	0	36.95	16.4	20.55
TM38--FB	03/01/26	ZJ4*30	7046289	30999410	14:22	14:32	0	36.5	16.38	20.12
TM38--FB	06/01/26	ZJ1*47	7046289	30999239	09:30	09:47	0	37.04	16.39	20.65
TM38--FB	17/01/26	U01*2	7046289	30999686	10:36	10:45	0	23.42	16.43	6.99
TM38--FB	17/01/26	U01*2	7046289	30999687	14:51	15:03	0	23.88	16.51	7.37

## REMARKS

堆填區 Landfill	NENT	新界東北堆填區 New East New Territories
公眾填料接收設施 Public fill reception facilities	TM38--FB	屯門第38區填料庫 Tin Shui Wai Tenthon Valley Area 38

**APPENDIX M  
COMPLAINT LOG**

## Appendix M - Complaint Log

Reporting month: January 2026

Complaint Log Ref.	EPA Log Ref.	Location	Received Date	Details of Complaint	Investigation / Mitigation Action Status	Status
C001	3007.RN.00020836-21	Kong Nge Po Road (Lamp post GD9470)	29-Aug-23	The complainant alleged that the general construction noise except restriction (within Restricted Hours) from at Kong Nge Po Road (Lamp post GD9470), and commented that "晚上八時至翌早六時停工" The work sites under complaint are adjacent to the captioned Designated Project area.	<p>Record of Site Investigation</p> <p>Refer to the public complaint which was so examined, the complainant, based on daily record provided, CDP was confirmed that the working period on 26, 27 &amp; 28 Aug 2023 and the working hours were within the specified restricted hour.</p> <p>The equipment applied on the mentioned periods were listed in the Group D of the CDP No. GH-200082-01 (Effective from 2024-08-2023 to 25.11.2023).</p> <p>According to the witness reply, the Contractor has implemented both the notification of the neighborhood on the schedule of night works and work noise barrier to reduce noise levels for neighborhood. Please be advised that the Contractor is strictly adhering to the conditions of the construction noise permit.</p>	Closed
C002	3007.RN.00029995-23	The river(s) near the San Uk Lung Holding Centre	14-Dec-23	The complainant alleged that the river(s) near the San Uk Lung Holding Centre has recently had a large amount of anti-muddy water. (河邊發現大量泥水，泥水沖入海邊(海邊))	<p>Record of Site Investigation</p> <p>In reference to the public complaint, it has been noted that the complainant did not provide a precise description of the river(s) location adjacent to the San Uk Lung Holding Centre, where there has been a recent influx of anti-laden water.</p> <p>EPA officers carried out site inspection on 15.12.2023 at 11:30 -12:00. EPA officers checked the U-channel, catchpit and wastewater treatment facility at WTP. No water including muddy water was discharged from Construction sites to the drainage. The Contractor has checked the drainage and wastewater treatment facilities at WTP and SOTF, which is near the complainant area. No water was discharged from the above locations.</p> <p>Advice: For the Contractor: 1)The Contractor strictly complies with the</p>	Closed

				<p>requirements of relevant environmental ordinances and EIA/A Manual.</p> <p>2) The promotional flyer contains a Community Liaison Hotline: 9790 2879 that can be placed in residents' mailboxes, so they can directly contact you to resolve environmental issues.</p> <p>For EPC officer:</p> <p>1) Please consider that the Community Liaison Hotline: 9790 2879 will be provided for the complainant to directly contact the Contractor to resolve environmental issues.</p> <p>2) Please consider encouraging the complainant to provide more accurate and detailed information to facilitate our follow-up efforts.</p>	
0005	<p>Solidwaddy near Shan Yee, The Loong at Mei Kwei To Road near Designated Point of the Pollution Facilities in Kwai Nga Pa, near Shan The Loong at Mei Kwei To Road</p>	T-Apr-2004	<p>The complainant alleged in Chinese, as shown below:</p> <p>1) 4月1日(即4月1日)下午約一點半，在該工廠附近，河水出現臭味。</p> <p>2) 該廠人表示與上次所發出的通告內，在該廠附近發現臭味時，該廠人表示該廠已可安排一些改善的設施，包括在該廠附近興建一些設施，以改善該廠附近的環境。該廠人表示該廠已可安排一些改善的設施，包括在該廠附近興建一些設施，以改善該廠附近的環境。</p>	<p>Record of Site Investigation</p> <p>Based on a complaint investigation conducted by the Contractor, an anomaly water was found discharged from the site. Mitigation measures have been strengthened by plugging off the last manhole of the site.</p> <p>According to the document provided, the improvement measures implemented by the Contractor include the following: 1) Manhole S205-0001 was plugged off, 2) Water pump was placed in the manhole to pump wastewater, if any, to the wastewater treatment facilities, 3) Manhole S205-1503 was plugged off, and 4) Water pump was placed in the manhole to pump wastewater, if any, to the wastewater treatment facilities.</p>	Closed

Cumulative Complaint Log

Complaint Log Reporting Period	Total no. of Complaint Received
This reporting month	0
From 1st April 2003 to end of the reporting month	5

**APPENDIX N**  
**SUMMARY OF SUCCESSFUL**  
**PROSECUTION**

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**Appendix N - Summary of Successful Prosecution**

Date of Successful Prosecution	Details of the Successful Prosecution	Status	Follow-Up	Funding Received in this Reporting Month	Total no. Received since Project Commencement
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**APPENDIX O**

**The potential seriousness of the forthcoming  
environmental impacts and the use of  
machineries**

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A list of potential environmental impacts	The advice includes, but is not limited to, the following	Consideration of possible alternative methods
<p><b>Visual Impact:</b> The presence of machinery, equipment, and temporary structures associated with ground investigation and plate load testing may have visual impacts on the surrounding landscape, altering the aesthetic qualities of the area.</p>	<p><b>Screening and Camouflage:</b> Use screening techniques, such as temporary fencing, barriers, or landscaping, to visually conceal the machinery, equipment, and temporary structures from view. This can help minimize the visual impact on the surrounding landscape.</p>	<p>N.A.</p>
<p><b>Noise and Vibration:</b> The operation of heavy machinery can contribute to noise and vibration pollution, which can disturb local wildlife or sensitive wildlife habitats.</p>	<p><b>Use of Low Noise and Vibration Equipment:</b> Whenever possible, equipment produces lower levels of noise and vibration should be used. The use of noise barriers around the site can also help to mitigate the impact on local communities and wildlife.</p>	<p><b>Use of Electric-Powered Equipment:</b> Electric-powered equipment is generally quieter than diesel-powered equipment to help reduce noise pollution.</p>
<p><b>Disturbance of Local Ecosystems:</b> The drilling operations, particularly those involving excavation, can potentially disturb the local ecosystems and impacting biodiversity.</p>	<p><b>Training and Awareness:</b> trainings are provided for site personal about the importance of minimizing disturbance to local ecosystems, such as minimized noise and light pollution, how to handle waste properly, and what to do if they encounter local wildlife.</p>	<p>Employing construction methods of a low-impact nature, such as the utilization of machinery that is lightweight and drilling techniques which are minimally invasive.</p>
<p><b>Air Pollution:</b> Machinery used in construction sites can emit pollutants into the air. These pollutants may include Particulate Matter (PM), Nitrogen Oxides (NOx), Sulfur Dioxide (SO<sub>2</sub>), and Volatile Organic Compounds (VOCs), contributing to air pollution and potentially impacting air quality in the surrounding area.</p>	<p><b>Dust Control Measures:</b> Implement dust control measures such as water sprays, dust screens, or using dust suppression chemicals to reduce particulate matter emissions, and training for all staff on the importance of air quality and measures to reduce air pollution.</p>	<ol style="list-style-type: none"> <li><b>Improved Fuel Efficiency and Maintenance:</b> Promoting fuel-efficient practices and regular maintenance of machinery can help reduce emissions.</li> <li><b>Properly maintained equipment operates more efficiently, resulting in lower fuel consumption and reduced emissions.</b> Implementing fuel-saving measures, such as reducing idling time and optimizing equipment usage, can further minimize air pollution during construction.</li> </ol>
<p><b>Water Pollution:</b> Drilling operations have the</p>	<p>Proper containment and lining of mud pools is crucial to</p>	<ol style="list-style-type: none"> <li><b>Horizontal Directional Drilling (HDD):</b> HDD is a</li> </ol>

<p>potential to contaminate local water sources, particularly if improper waste management practices are used.</p>	<p>prevent contamination. Mud pools should have an impermeable liner, such as HDPE or bentonite clay, to prevent seepage into the ground. Berms can be constructed around the perimeter to contain any overflow. Regular inspection and maintenance of the liner integrity is important.</p>	<p>trenchless method that causes less disturbance to the surrounding environment and mitigates the risk of water contamination. It could be a viable alternative depending on the geology of the site and the purpose of the drilling operation.</p> <p>2. Dry Drilling Techniques: Depending on the geology of the site, dry drilling techniques could be considered. These methods do not use drilling fluids and therefore reduce the risk of water contamination from these sources.</p>
<p><b>Soil Disturbance:</b> The use of heavy machinery can cause soil compaction and disturbance, particularly during drilling operations or movement of equipment. This soil disturbance can disrupt the natural structure and composition of the soil, affecting its ability to support vegetation growth and nutrient cycling.</p>	<ol style="list-style-type: none"> <li>1. Proper Planning and Design: Incorporate soil protection measures into the initial planning and design phase of construction projects. This includes identifying sensitive areas and implementing appropriate construction techniques to minimize soil disturbance.</li> <li>2. Ground Improvement Techniques: Techniques like soil stabilization, grouting, and compaction can help improve the soil's strength and stability, reducing the likelihood of soil disturbance during construction.</li> </ol>	<p>A helical pile is a type of deep foundation system used in construction. It consists of a steel shaft with helical plates or blades that are twisted into the ground to provide support for structures. Helical piles are commonly used in situations where traditional foundation methods are impractical or costly, such as in areas with poor soil conditions or limited access for heavy machinery.</p>
<p><b>Energy Consumption:</b> The operation of machinery requires energy, typically derived from fossil fuels. The extraction, processing, and combustion of these fuels contribute to greenhouse gas emissions and contribute to climate change.</p>	<ol style="list-style-type: none"> <li>1. Training: workers are trained in the importance of energy conservation and efficiency. This could involve instruction on when to turn off equipment, how to use machinery efficiently, and the benefits of energy conservation.</li> <li>2. Efficient Equipment and Machinery: Use energy-efficient machinery and equipment that consume less energy during operation. Regular maintenance and proper calibration of machinery can also improve energy efficiency and reduce energy waste.</li> </ol>	<ol style="list-style-type: none"> <li>1. Prefabrication and Modular Construction: Prefabrication and modular construction methods involve manufacturing building components off-site and assembling them on-site. This approach reduces energy consumption by streamlining the construction process, minimizing material waste, and optimizing energy usage during manufacturing.</li> <li>2. Lean Construction: This methodology helps energy optimization in construction processes.</li> </ol>

**Waste Generation:** Ground investigation and plate load testing may generate various types of waste, including drilling cuttings, excess soil, and construction debris. Improper disposal or management of these wastes can result in soil and water contamination or contribute to landfill usage.

**Education and Training:** education and training are provided to construction workers and staff on proper waste management practices. Raise awareness about the importance of waste reduction, recycling, and responsible disposal methods. Encourage worker participation and engagement in waste management initiatives.

**Cone Penetration Testing (CPT):** CPT is a method of ground investigation that produces minimal waste compared to traditional drilling methods. It involves pushing a cone-shaped probe into the ground and measuring the resistance, which can provide valuable information about the soil conditions with less soil disturbance.

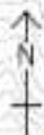
**APPENDIX P**  
**A LIST OF MACHINERIES USED IN**  
**CONSTRUCTIN SITE**



**APPENDIX Q**  
**Wastewater Discharge Layout Plan**

臨時排水系統

- 隔沙缸
- 環保缸
- 排水點
- Sump pit



Temporary kerbs are erected to avoid overflow of water out of site

