

**JOB NO.: TCS01321/23** 

CEDD SERVICE CONTRACT NO. EDO 12/2023
ENVIRONMENTAL TEAM FOR DEVELOPMENT OF
ANDERSON ROAD QUARRY SITE – SITE FORMATION
AND ASSOCIATED INFRASTRUCTURE WORKS

MONTHLY ENVIRONMENTAL MONITORING AND AUDIT REPORT (OCTOBER 2025)

PREPARED FOR
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
(CEDD)

Date Reference No. Prepared By Certified By

13 November 2025 TCS01321/23/600/R0775v2

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Version	Date	Remarks
1	13 November 2025	First submission
2	19 November 2025	Amended according to IEC's comment



### **EXECUTIVE SUMMARY**

- ES01 Action-United Environmental Services & Consulting (AUES) has been awarded the Civil Engineering and Development Department (CEDD) Service Contract No. EDO 8/2022 Environmental Team for Development of Anderson Road Quarry Site Site Formation and Associated Infrastructure Works (hereinafter called "the Service Contract) on 15 September 2023. As notifying by AECOM Asia Company Limited (Engineer's Representative) subsequently, the commencement date of the Service Contract is on 22 September 2023 for the Contract Period of 22 months.
- ES02 The previous service contract nos. NTE/07/2016 and EDO 8/2022, covering the environmental monitoring and audit (EM&A) service for the Development of Anderson Quarry Site (ARQ) for Contracts 1, 2, 3, 4 and 5 was completed in September 2022 and September 2023 respectively.
- ES03 The Services under the Service Contract is to provide EM&A services for the Works Contracts pursuant to the requirement of Environmental Team (ET) under the EM&A manual to ensure that the environmental performance of the Works Contracts comply with the requirement specified in the EM&A Manual and EIA Report of Development of ARQ and other relevant statutory requirements.
- ES04 To facilitate the project management and implementation, the ARQ project involved five major infrastructure works CEDD contracts, the commencement date and anticipated completion date of the five works contracts are summarized in below table.

Contract	Commencement date	Anticipated completion date
NE/2016/01 (Contract 1)	December 2016	September 2023
NE/2016/05 (Contract 2)	March 2017	September 2023
NE/2017/03 (Contract 3)	May 2018	January 2025
ED/2020/02 (Contract 4)	July 2021	December 2025
ED/2019/02 (Contract 5)	March 2021	January 2025

- ES05 As notified by AECOM, the certificate of completion of the last section of the works have been issued for Contract 1 and Contract 2 on 30 June 2023 and 15 May 2023 respectively. Moreover, contract nos. NE/2017/03 (Contract 3) and ED/2019/02 (Contract 5), covering the environmental monitoring and audit (EM&A) service was completed in January 2025. In view of the completion of major construction works, the EM&A service for Contract 1 and Contract 2 under service contract no. EDO 8/2022 was ceased in late September 2023 and the relevant monitoring stations have been handover to current contract no. EDO 8/2022.
- ES06 This is the monthly EM&A report presenting the monitoring results and inspection findings for Contracts 4 for the period from 1 to 31 October 2025 (hereinafter 'the Reporting Period').

## ENVIRONMENTAL MONITORING AND AUDIT ACTIVITIES

ES07 Environmental monitoring activities under the EM&A programme in the Reporting Period are summarized in the following table.

Environmental	Environmental Monitoring	Reporting Period		
Aspect	Parameters / Inspection	Number of Active Monitoring Locations	Total Occasions	
Air Quality	1-hour TSP	7	105	
Air Quality	24-hour TSP	4	20	
Construction Noise	$\begin{array}{ccc} L_{eq(30min)} & Daytime & for & Contract \\ NE/2016/01 & & \end{array}$	8	32	
Construction Noise	$\begin{array}{ccc} L_{eq(30min)} \ Daytime & for \ Contract \\ NE/2017/03 & \end{array}$	1	4	

**Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works** 

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## BREACH OF ACTION AND LIMIT (A/L) LEVELS

ES08 No exceedance of air quality was recorded in the Reporting Period. For construction noise monitoring, no Limit Level exceedance was recorded and no noise complaint (which triggered Action Level) was received in the reporting period. The environmental exceedance, NOE issued and investigation of exceedance are summarized in the following table.

Environmental	Monitoring	Action Limit		Event & Action		
Aspect	Parameters	Level	Level	<b>NOE Issued</b>	<b>Corrective Actions</b>	
Ain Ovolity	1-hour TSP	0	0	0	NA	
Air Quality	24-hour TSP	0	0	0	NA	
Construction Noise	L <sub>eq(30min)</sub> Daytime	0	0	0	NA	

### **ENVIRONMENTAL COMPLAINT**

ES09 In the reporting period, no environmental complaint was received in the Reporting Period.

### NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

ES10 No environmental summons or successful prosecutions for the Project were recorded in the Reporting Period.

### REPORTING CHANGE

ES11 There is no reporting change in the Reporting Period.

### SITE INSPECTION

ES12 In this Reporting Period, joint site inspections to evaluate the site environmental performance for *Contract 4* were carried out by the RE, ET and Contractor on 8, 15, 23 and 31 October 2025 in which IEC joined the site inspection with SSEMC on 23 October 2025. No non-compliance was noted during the site inspection.

### **FUTURE KEY ISSUES**

- ES13 The Contractor are reminded to pay special attention on water quality mitigation measures and should fully implement the measures as recommended in the EM&A Manual, in particular to prevent muddy water or other water pollutants from site surface overflow to public area should be properly maintained.
- ES14 Since construction site is highly visible to the resident at nearby estates, the Contractors should pay special attention on potential environmental impact generated by the site activities and adhere implement adequate air quality and noise mitigation measures as far as practicable to reduce the impact to the public.
- ES15 Construction noise is one of the key environmental issues during construction work of the Project. Noise mitigation measures such as using quiet plants and noise barriers shall be implemented where practicable according to the EM&A manual.
- ES16 In addition, the Contractors should ensure all effluent discharge shall be fulfilled the Technical Memorandum of Effluent Discharged into Drainage and Sewerage Systems, inland and Coastal Waters criteria or relevant discharge license requirement.

 $\label{lem:condition} \textbf{Environmental Team for Development of Anderson Road Quarry Site-Site Formation and Associated Infrastructure Works}$ 

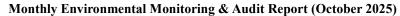


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 $\label{lem:condition} \textbf{Environmental Team for Development of Anderson Road Quarry Site-Site Formation and Associated Infrastructure Works}$ 



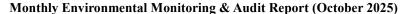


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### 1. INTRODUCTION

### PROJECT BACKGROUND

- 1.1.1 Development of Anderson Road Quarry (ARQ) is to provide land and the associated infrastructures for the proposed land used at the existing ARQ Site at the North-eastern of East Kowloon according to the final Recommended Outline Development Plan (hereinafter named as the Project Works).
- 1.1.2 To facilitate the project management and implementation, the ARQ project involved five major infrastructure works CEDD contracts, the commencement date and anticipated completion date of the five works contracts are summarized in below table.

Contract	<b>Commencement date</b>	Anticipated completion date
NE/2016/01 (Contract 1)	December 2016	September 2023
NE/2016/05 (Contract 2)	March 2017	September 2023
NE/2017/03 (Contract 3)	May 2018	January 2025
ED/2020/02 (Contract 4)	July 2021	December 2025
ED/2019/02 (Contract 5)	March 2021	January 2025

- 1.1.3 Action-United Environmental Services & Consulting (AUES) has been awarded the Civil Engineering and Development Department (CEDD) Service Contract No. EDO 8/2022 Environmental Team for Development of Anderson Road Quarry Site Site Formation and Associated Infrastructure Works (hereinafter called "the Service Contract) on 15 September 2023. As notifying by AECOM Asia Company Limited (Engineer's Representative) subsequently, the commencement date of the Service Contract is on 22 September 2023 for the Contract Period of 22 months.
- 1.1.4 The Services under the Service Contract is to provide EM&A services for the Works Contracts pursuant to the requirement of Environmental Team (ET) under the EM&A manual to ensure that the environmental performance of the Works Contracts comply with the requirement specified in the EM&A Manual and Environmental Impact Assessment (EIA) Report of Development of Anderson Road Quarry and other relevant statutory requirements.
- 1.1.5 The previous service contract nos. NTE/07/2016 and EDO 8/2022, covering the EM&A services for the Development of ARQ site for Contracts 1, 2, 3, 4 and 5 was completed in September 2022 and September 2023 respectively.
- 1.1.6 As notified by AECOM, the certificate of completion of the last section of the works have been issued for Contract 1 and Contract 2 on 30 June 2023 and 15 May 2023 respectively. Moreover, contract nos. NE/2017/03 (Contract 3) and ED/2019/02 (Contract 5), covering the environmental monitoring and audit (EM&A) service was completed in January 2025. In view of the completion of major construction works, the EM&A service for Contract 1 and Contract 2 under service contract no. EDO 8/2022 was ceased in late September 2023 and the relevant monitoring stations have been handover to current contract no. EDO 8/2022.
- 1.1.7 According to the Approved EM&A Manual, air quality and noise monitoring are required to be monitored during the construction phase of the Project. As part of the EM&A program, baseline monitoring is required to determine the ambient environmental conditions. Baseline monitoring including air quality and noise conducted between *January* and *April 2019* at all designated monitoring locations were before construction work commencement. Furthermore, the Baseline Monitoring Report which verified by the Independent Environmental Checker (hereinafter referred as "the IEC") has been submitted to Environmental Protection Department (EPD) on *9 May 2017* for endorsement.
- 1.1.8 This is the monthly EM&A report presenting the monitoring results and inspection findings for Contracts 4 for the period from 1 to 31 October 2025 (hereinafter 'the Reporting Period').

## CEDD Service Contract No. EDO 12/2023 Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works



Monthly Environmental Monitoring & Audit Report (October 2025)

## REPORT STRUCTURE

1.2.1 The monthly EM&A Report is structured into the following sections:-

Section 1	Introduction
Section 2	Project Organization and Construction Progress
Section 3	Summary of Impact Monitoring Requirements
Section 4	Air Quality Monitoring
Section 5	Construction Noise Monitoring
Section 6	Waste Management
Section 7	Site Inspections
Section 8	Environmental Complaints and Non-Compliance
Section 9	Implementation Status of Mitigation Measures
Section 10	Conclusions and Recommendations





### 2. PROJECT ORGANIZATION AND CONSTRUCTION PROGRESS

### 2.1 CONSTRUCTION CONTRACT PACKAGING

2.1.1 To facilitate the project management and implementation, the Project was divided by 5 works contracts as described in following. The details of each contract are summarized below and the delineation of each contract is shown in *Appendix A*.

## Contract 1 (Contract No. NE/2016/01)

- 2.1.2 Commencement date of Contract 1 was in late December 2016 and the major construction work was completed in June 2023. The major scope of work of Contract 1 is listed below:
  - Formation of about 40 hectares (ha) of land platforms at the ARQ site and the associated geotechnical works;
  - Road works including construction of approximately 3-kilometer long vehicular roads, footpaths, cycle tracks, an approximately 130-meter long underpass at the southern end an a public transport terminus at the northern end at the ARQ site;
  - Provision of and improvement to water supply, drainage and sewerage systems as well as landscaping works; and
  - Construction of proposed subway structures and lift tower structures of pedestrian connectivity facilities.

## Contract 2 (Contract No. NE/2016/05)

- 2.1.3 Commencement date of Contract 2 was in March 2017 and the major construction work was completed in May 2023. The major Scope of Work of the Contract 2 is listed below:
  - (i) Construction of the following pedestrian connectivity facilities with covered elevated walkways, covered at grad walkways, escalators, life towers with associate staircase and lifts:-
    - (a) Linking Hiu Kwong street with Hiu Ming Street (E1)
    - (b) Linking the proposed "Footbridge Link at Sau Ming Road" with Hiu Ming Street (E2, C1 and E3)
    - (c) Linking the proposed bus-to-bus interchange at Tseung Kwan O Tunnel Toll Plaza with Lin Tak Road (E12)
  - (ii) Construction of bus-to-bus interchange (BBI) at Tseung Kwan O Tunnel Toll Plaza;
  - (iii) Associated landscape works

### Contract 3 (Contract No. NE/2017/03)

- 2.1.4 The commencement date of Contract 3 was in May 2018 and the tentative completion date in September 2023. The major Scope of Work of the Contract 3 is listed below:
  - (i) Site formation and road works in the following sections:-
    - (a) at junction of Clear Water Bay Road (CWBR) and On Sau Road constructed under the Development at Anderson Road (DAR) project including the provision of U-turn facility and noise mitigation measures (RIW1);
    - (b) at New Clear Water Bay Road (NCWBR) near Shun Lee Tsuen Road including the road widening works at NCWBR, modification of existing subway structure and provision of noise mitigation measures (RIW2); and
    - (c) at the junction of Lin Tak Road and Sau Mau Ping Road, construction of flyover above Tseung Kwan O Road, provision of loading and unloading bays along Lin Tak Road and noise mitigation measures (RIW3).
  - (ii) Construction of the following pedestrian connectivity facilities with covered elevated walkways, escalators and lift towers with associated staircases and lifts:-
    - (a) linking Anderson Road Quarry site with the DAR Site (except the works covered under Contract 1) (System A and System B);
    - (b) linking Hiu Ming Street with Hiu Yuk Path (E8); and





- (c) linking the proposed bus-bus interchange at Tseung Kwan O Tunnel Toll Plaza with Sau Mau Ping Road (E11).
- (iii) Associated landscape works.

## Contract 4 (Contract No. ED/2020/02)

- 2.1.5 The commencement date of Contract 4 is in July 2021 and tentative completion date in December 2023. The major Scope of Work of the Contract 4 is listed below:
  - Hard landscaping and other ancillary works (e.g. paver footpath, planter walls, benches, lighting etc.)
  - Soft landscaping works; landscape deck, emergency vehicular access, access road:
  - Park lighting system;
  - Electrical and mechanical engineering works for underground water treatment facilities and pumping system for Artificial Flood Attenuation Lake; and
  - Potential slope enhancement requested by GEO.

## Contract 5 (Contract No. ED/2019/02)

- 2.1.6 The commencement date of Contract 5 in March 2021 and tentative completion data in April 2024. The major Scope of Work of the Contract 5 is listed below:
  - Construction pedestrian connectivity facility with covered elevated walkway, covered at grade walkway and escalators linking Sau Mau Ping Road with the existing covered elevated walkway to Po Tat Estate (E5);
  - Construction a pedestrian connectivity facility with covered elevated walkway, covered at grade walkway and escalators linking Sau Mau Ping South Estate with the existing covered walkway to Sau Mau Ping Road (E6);
  - Construction a pedestrian connectivity facility with covered elevated walkway, elevated walkway, lift tower with associated staircase and lifts linking Hiu Kwong Street with podium of Sau Ming House, Sau Mau Ping Estate, provision of at grade staircase (E7)'
  - Construction a pedestrian connectivity facility with covered elevated walkway, lift tower
    with associated staircase and lifts linking podium of Po Tat Estate to Sau Mau Ping Road
    (E10); and
  - Ancillary works including electrical and mechanical, slope stabilization, drainage, utilities and landscaping works.

### 2.2 PROJECT ORGANIZATION

2.2.1 The project organization and contact details for Contracts 4 are shown in *Appendix B*.

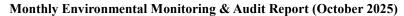
### 2.3 CONSTRUCTION PROGRESS

2.3.1 The 3-month rolling construction programme for Contracts 4 are shown in *Appendix C*. The major construction activities conducted in the Reporting Period are summarized in below.

## Contract 4 (ED/2020/02)

- Excavation work for Drainage Works at Portion 1a, 2a, 6, 8 & 12
- Drainage works at Portion 1a, 2a, 6, 8, 9 & 12
- Construction of E&M works at Portion 1a, 2a, 6, 8 & 12
- Construction of Planter at Portion 6, 8, 12
- Construction of hard landscape at Portion 6, 8, 12
- Construction of slab planter on elevated walkway at Portion 13b
- Backfilling works for B3 & B4 at Portion 13b
- Sewerage and Road works at G2-Site at Portion 13b
- Installation of rock mesh at Portion 10
- Repair works at Portion 10 and Portion 17

**Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works** 

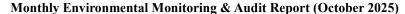




- Construction of Footpath at Portion 9
- Watermain works at Portion 13b
- Planting works at Portion 2a, 2b, 6, 8 and 12
- Scaffolding erection works for the buildings at Portion 2a
- Building works at Portion 2a
- 2.3.2 Summary of the relevant permits, licenses, and/or notifications on environmental protection for the Project of contracts 3, 4 and 5 are presented in *Tables 2-1*.

Table 2-1 Status of Environmental Licenses and Permits of the Contract 4

		License/Permit Status			
Item	Description	Permit no./ account	Valid Period		Status
		no./ Ref. no.	From	To	
1	Form NA -	EPD ref. no. 470496	19-Aug-21	NA	Valid
	Notification				
	pursuant to Air				
	Pollution Control				
	(Construction Dust)				
	Regulation				
2	Waste Disposal	Account no. 7041336	6-Sep-21	NA	Valid
	Regulation –				
	Billing Account for				
	Disposal of				
	Construction Waste				
3	Chemical Waste	Registration no.		End of	
	Producer	WPN 5213-296-C1206-12	14-Sep-21	project	Valid
	Registration				
4	Water Pollution	WT00043000-2003	30-Jan-23	31-Jan-28	Valid
	Control Ordinance				
	<ul> <li>Discharge</li> </ul>				
	License				





## 3. SUMMARY OF IMPACT MONITORING REQUIREMENTS

### 3.1 GENERAL

- 3.1.1 The Environmental Monitoring and Audit requirements are set out in the Approved EM&A manual. Environmental issues such as air quality, construction noise and water quality were identified as the key issues during the construction phase of the Project.
- 3.1.2 A summary of construction phase EM&A requirements are presented in the sub-sections below.

### 3.2 MONITORING PARAMETERS

- 3.2.1 The EM&A program of construction phase monitoring shall cover the following environmental issues:
  - Air quality; and
  - Construction noise
- 3.2.2 A summary of the monitoring parameters is presented in *Table 3-1*.

Table 3-1 Summary of EM&A Requirements

<b>Environmental Issue</b>	Parameters
Air Quality	1-hour TSP by Real-Time Portable Dust Meter; and
Air Quality	• 24-hour TSP by High Volume Air Sampler
	• Leq(30min) in normal working days (Monday to Saturday)
Noise	07:00-19:00 except public holiday
Noise	Supplementary information for data auditing, statistical results
	such as $L_{10}$ and $L_{90}$ shall also be obtained for reference.

### 3.3 MONITORING LOCATIONS

3.3.1 According to the EM&A Manual Section 4.6, seven (7) most representative and affected air sensitive receivers (ASR) were selected as air monitoring stations (AQM). During site visit at the subject site before the baseline monitoring, it was noted that some planned ASRs identified in the EM&A Manual are still under construction/ has not yet constructed and there were no suitable location to set up the high volume sampler to carry out the baseline 24-hour TSP monitoring. Therefore, a proposed change for the baseline monitoring programme was submitted and agreed by EPD before the baseline monitoring. The impact air quality monitoring locations are listed in *Table 3-2* and illustrated in *Appendix D*.

**Table 3-2 Impact Monitoring Stations – Air Quality** 

ID	ASR ID	Location in the	Identified Location during	Status
ID	in EIA	EM&A Manual	Site Visit	
AMS-1	ACYC-01	Chi Yum Ching	Ground of Chi Yum Ching	Replaced by
		She	facing the project site	AMS-1a
AMS-1a (*)	ACYC-01	Tan Shan	Ground of Tan Shan Village	Active
		Village No. 5 - 6	No. 5 - 6 facing the project site	
AMS-2 (#)	DARB-13	Block 8, Site B	Ground of Fung Tai House of	Active
			On Tai Estate	
AMS-3 (:)	DARC-16	Planned Clinic	Ground of Planned Clinic and	Active
		and Community	Community Centre facing	
		Centre, Site C2	Anderson Road (Ancillary	
			Facilities Building)	
AMS-4 (:)	DARC-26	Planned School, Site C2 Note 1	Ground of Active	Active
AMS-5	DARE-06	Block 5, DAR	Main roof of Oi Tat House of	Active
7 11,115 5	D/1112 00	Site E	On Tat Estate facing the	1100110
			project site	
AMS-6	DARE-17	Block 9, Site E	Main roof of Hau Tat House of	Active



ID	ASR ID in EIA	Location in the EM&A Manual	Identified Location during Site Visit	Status
			On Tat Estate facing the project site	
AMS-7	AMYT-04	Ma Yau Tong Village	Balcony at 2 <sup>nd</sup> floor of Village House Anderson Road No. 1 facing the project site	Active

Note 1: The ASR is under construction.

## **Construction Noise**

3.3.2 According to the EM&A Manual Section 5.5, three (3) most representative and affected noise sensitive receivers (NSR) were selected as monitoring stations. As recommended by the RE and agreed by IEC, one (1) additional noise monitoring location is proposed to add in Oi Tat House of On Tat Estate (hereafter "NMS-4") to oversee the possible noise impact pose to the resident in On Tat Estate, which is an existing NSR close to the major works activities. Moreover, review of impact monitoring location was proposed to IEC in view of the current site condition and it was agreed by all parties. The details of noise monitoring location are listed in *Table 3-3* and illustrated in *Appendix D*.

**Table 3-3 Impact Monitoring Stations – Construction Noise** 

ID	NSR ID in EIA	Location	Status
NMS-1(:)	Site C2 – School 05 Note 1	Ground of Maryknoll Secondary School	Active
NMS-2(:)	Site E – School	Rooftop of S.K.H. St. John's Tsang Shiu Tim Primary School, where 1m from the exterior of the building facing the project site	Active
NMS-3(:)	Site C2 – R102–	Ground of Ancillary Facilities Building facing the project site	Active
NMS-4*	Oi Tat House	Im from the exterior of ground floor façade of Oi Tat House of On Tat Estate facing the project site	Suspended
NMS-4a#	Oi Tat House	Rooftop of Oi Tat House where 1m from the exterior of Oi Tat House facing the project site	Active
NMS-5#	Hau Tat House	22/F, refuge floor of Hau Tat House where 1m from the exterior of Hau Tat House facing the project site.	Active
NMS-6~	Yung Tai House of On Tai Estate	Rooftop of Yung Tai House where 1m from the exterior of the building facing the project site)	Active
NMS-7~	Chi Tai House of On Tai Estate	Rooftop of Chi Tai House where 1m from the exterior of the building facing the project site	Active
NMS-8^	No. 3-4 Ma Yau Tong Village	Im from the exterior of the building façade and facing the construction site	Active

<sup>(#)</sup> AMS-2 was activated on 26 November 2018 since Fung Tai House became an air sensitive receiver. 1-hour TSP monitoring was commenced on 26 November 2018 while installation of HVS for 24-hour

<sup>1-</sup>hour TSP monitoring was commenced on 26 November 2018 while installation of HVS for 24-hour TSP was pending approval from Housing Authority.

<sup>(\*) 24-</sup>hour TSP monitoring at AMS1 was abandoned since May 2019 due to lack of power supply and the landlord was unreachable. The alternation location of AMS1a was activated on 15 June 2019 for 1-hour and 24-hour TSP monitoring. The proposal was agreed by EPD on 9 Aug 2019.

<sup>(:)</sup> AMS-3 was effective on 3 December 2019 and AMS-4 was effective on 4 January 2023



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EIA	ID	NSR ID in EIA	Location	Status
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- Note 1: Construction of the NSR is not yet commenced.
  - (\*) Additional noise monitoring location was recommended by RE and agreed by IEC. It was temporary suspended and the monitoring location is relocated to NMS4a with effective on 15 Nov 2017.
  - (:) NMS-2 was effective on 15 November 2019, NMS-3 was effective on 3 December 2019 and NMS-1 was effective on 4 January 2023.
  - (#) Review of noise monitoring locations was proposed by ET and NMS-5 was effective on 15 November 2017.
  - (\*) Review of noise monitoring locations was proposed by ET and NMS-6 and NMS-7 were effective on 28 Feb 2018.
  - () Review of noise monitoring locations was proposed by ET and NMS-8 was effective on 18 April 2018. Noise monitoring at NMS-8 was started on 3 May 2018 upon commencement of construction at relevant section.

## Addition Construction Noise Monitoring Location

3.3.3 A Work Instruction was issued from AECOM to AUES in November 2018 for installing three additional noise monitoring stations under Contract 3. According to the Work Instruction, one noise monitoring station was proposed to install at System A Area and two station monitoring points were proposed to install at E8 Area. The noise monitoring locations are shown in *Table 3-4* below and illustrated in *Appendix D*.

**Table 3-4** Additional Impact Monitoring Stations – Construction Noise

ID	Location	Description
CN1*	Holm Glad College	Ground floor of Holm Glad College, where 1m from the exterior of the building facing E8
CN2*	Leung Shek Chee College	Ground floor of Leung Shek Chee College, where 1m from the exterior of the building facing E8
CN3	Oi Tat House of On Tat Estate	Ground floor of Oi Tat House of On Tat Estate, where 1m from the exterior of the building facing System A

Note 1: Construction of the NSR is not yet commenced.

## 3.4 MONITORING FREQUENCY AND PERIOD

3.4.1 The requirements of impact monitoring in the approved *EM&A Manual* and presented as follows.

### Air Quality Monitoring

- 3.4.2 Frequency of impact air quality monitoring is as follows:
  - 1-hour TSP 3 times every six days during course of works throughout the construction period
  - 24-hour TSP Once every 6 days during course of works throughout the construction period

## Noise Monitoring

- 3.4.3 Noise monitoring will be to conduct at the all available designated monitoring stations. The monitoring frequency shall depend on the scale of the construction activities. The following is an initial guide on the regular monitoring frequency for each station on a weekly basis when noise generating activities are underway:
  - one set of Leq<sub>(30min)</sub> measurements between 07:00 and 19:00 hours on normal weekdays

<sup>(\*)</sup> Additional noise monitoring location was terminated by RE as the construction work at E8 was completed in September 2022. The last monitoring for CNI &CN2 was on 15 September 2022.



## 3.5 MONITORING EQUIPMENT

## Air Quality Monitoring

3.5.1 The 24-hour and 1-hour TSP levels shall be measured by following the standard high volume sampling method as set out in the *Title 40 of the Code of Federal Regulations, Chapter 1 (Part 50)*, Appendix *B*. If the ET proposes to use a direct reading dust meter to measure 1-hour TSP levels, it shall submit sufficient information to the IEC to prove that the instrument is capable of achieving a comparable results to the HVS. The instrument should be calibrated regularly, and the 1-hour sampling shall be determined on yearly basis by the HVS to check the validity and accuracy of the results measured by direct reading method. The filter paper of 24-hour TSP measurement shall be determined by HOKLAS accredited laboratory.

3.5.2 All equipment to be used for air quality monitoring is listed in *Table 3-5*.

Table 3-5 Air Quality Monitoring Equipment

	Equipment	Model
24-hour TSP	High Volume Air Sampler	TISCH High Volume Air Sampler, HVS Model TE-5170
	Calibration Kit	TISCH Model TE-5025A
1- hour TSP	Portable Dust Meter	Sibata LD-3B, Sibata LD-5R Laser Dust Monitor

## Noise Monitoring

3.5.3 Sound level meter in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. The sound level meter shall be checked using an acoustic calibrator. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in ms-1.

3.5.4 Noise equipment as perform for construction phase monitoring is listed in *Table 3-6*.

**Table 3-6 Construction Noise Monitoring Equipment** 

Equipment	Model
Integrating Sound Level Meter	Bruel & Kjaer 2238, Rion NL-31, Rion NL-52
Calibrator	Bruel & Kjaer 4231, NC-73, NC-75
Portable Wind Speed Indicator	Anemometer AZ Instrument 8908

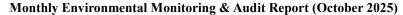
## 3.6 MONITORING METHODOLOGY

## 1-hour TSP

- 3.6.1 The 1-hour TSP monitor was a brand named "Sibata LD-3 Laser Dust monitor Particle Mass Profiler & Counter" which is a portable, battery-operated laser photometer. The 1-hour TSP meter provides a real time 1-hour TSP measurement based on 90° light scattering. The 1-hour TSP monitor consists of the following:
  - (a.) A pump to draw sample aerosol through the optic chamber where TSP is measured;
  - (b.) A sheath air system to isolate the aerosol in the chamber to keep the optics clean for maximum reliability; and
  - (c.) A built-in data logger compatible with Windows based program to facilitate data collection, analysis and reporting.
- 3.6.2 The 1-hour TSP meter to be used will be within the valid period, calibrated by the manufacturer prior to purchasing. Zero response of the instrument will be checked before and after each monitoring event.

### 24-hour TSP

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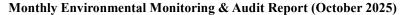




- 3.6.3 The equipment used for 24-hour TSP measurement is Thermo Andersen Model GS2310 TSP high volume air sampling system, which complied with *EPA Code of Federal Regulation, Appendix B to Part 50*. The High Volume Air Sampler (HVS) consists of the following:
  - (a.) An anodized aluminum shelter;
  - (b.) A 8"x10" stainless steel filter holder;
  - (c.) A blower motor assembly;
  - (d.) A continuous flow/pressure recorder;
  - (e.) A motor speed-voltage control/elapsed time indicator;
  - (f.) A 7-day mechanical timer, and
  - (g.) A power supply of 220v/50 Hz
- 3.6.4 For HVS for 24-hour TSP monitoring, the HVS is mounted in a metallic cage with a top for protection and also it is sat on the existing ground or the roof of building. The flow rate of the HVS between 0.6m³/min and 1.7m³/min will be properly set in accordance with the manufacturer's instruction to within the range recommended in *EPA Code of Federal Regulation, Appendix B to Part 50*. Glass Fiber Filter 8" x 10" of TE-653 will be used for 24-Hour TSP monitoring and would be supplied by laboratory. The general procedures of sampling are described as below:-
  - A horizontal platform with appropriate support to secure the samples against gusty wind should be provided;
  - No two samplers should be placed less than 2 meters apart;
  - The distance between the sampler and an obstacle, such as building, must be at least twice the height that the obstacle protrudes above the sample;
  - A minimum of 2 meters of separation from any supporting structure, measured horizontally is required;
  - Before placing any filter media at the HVS, the power supply will be checked to ensure the sampler work properly;
  - The filter paper will be set to align on the screen of HVS to ensure that the gasket formed an air tight seal on the outer edges of the filter. Then filter holder frame will be tightened to the filter hold with swing bolts. The holding pressure should be sufficient to avoid air leakage at the edge;
  - The mechanical timer will be set for a sampling period of 24 hours (00:00 mid-night to 00:00 mid-night next day). Information will be recorded on the field data sheet, which would be included the sampling data, starting time, the weather condition at current and the filter paper ID with the initial weight;
  - After sampling, the filter paper will be collected and transfer from the filter holder of the HVS to a sealed envelope and sent to a local HOKLAS accredited laboratory for quantifying.
- 3.6.5 All the sampled 24-hour TSP filters will be kept in normal air conditioned room conditions, i.e. 70% HR (Relative Humidity) and 25°C, for six months prior to disposal.
- 3.6.6 The HVS used for 24-hour TSP monitoring will be calibrated before the commencement for sampling, and after in two months interval for 1 point checking of maintenance and six months interval for five points calibrate in accordance with the manufacturer's instruction using the NIST-certified standard calibrator (Tisch Calibration Kit Model TE-5025A) to establish a relationship between the follow recorder meter reading in cfm (cubic feet per minute) and the standard flow rate, Qstd, in m³/min. Motor brushes of HVS will be regularly replaced of about five hundred hours per time. The calibration certificates of all monitoring equipment used for the impact monitoring program in the Reporting Period and the HOKLAS accredited certificate of laboratory are attached in *Appendix E*.

### Noise Monitoring

3.6.7 As referred to in the Technical Memorandum (TM) issued under the NCO, sound level meters





in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804:1985 (Type 1) specifications shall be used for carrying out the noise monitoring. Immediately prior to and following each noise measurement the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.

- 3.6.8 All noise measurements will be performed with the meter set to FAST response and on the A-weighted equivalent continuous sound pressure level (Leq). Leq<sub>(30 min)</sub> in six consecutive Leq<sub>(5 min)</sub> measurements will be used as the monitoring parameter for the time period between 07:00-19:00 hours on weekdays throughout the construction period.
- 3.6.9 The sound level meter will be mounted d on a tripod at a height of 1.2 m and placed at the assessment point and oriented such that the microphone is pointed to the site with the microphone facing perpendicular to the line of sight. The windshield will be fitted for all measurements. Where a measurement is to be carried out at a building, the assessment point would normally be at a position 1 m from the exterior of the building façade. Where a measurement is to be made for noise being received at a place other than a building, the assessment point would be at a position 1.2 m above the ground in a free-field situation, i.e. at least 3.5 m away from reflective surfaces such as adjacent buildings or walls.
- 3.6.10 Immediately prior to and following each noise measurement the accuracy of the sound level meter will be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements will be accepted as valid only if the calibration level from before and after the noise measurement agrees to within 1.0 dB.
- 3.6.11 Noise measurements will not be made in fog, rain, wind with a steady speed exceeding 5m/s or wind with gusts exceeding 10m/s. The wind speed will be checked with a portable wind speed meter capable of measuring the wind speed in m/s.
- 3.6.12 The sound level meter and calibrator are calibrated and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme at yearly basis. The calibration certificates of all monitoring equipment used for the impact monitoring program in the Reporting Period is attached in *Appendix E*.

## Meteorological Information

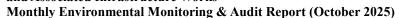
3.6.13 The meteorological information including wind direction, wind speed, humidity, rainfall, air pressure and temperature etc. during baseline monitoring is extracted from the closest Hong Kong Observatory Station. To obtain the most appropriate meteorological information where available, the data of temperature is extracted from the Kwun Tong Observatory Station; the data of wind speed and wind direction are extracted from Kai Tak Observatory Station and the data of humidity is extracted from King's Park Station.

## 3.7 DERIVATION OF ACTION/LIMIT (A/L) LEVELS

3.7.1 The baseline results form the basis for determining the environmental acceptance criteria for the impact monitoring. According to the approved Environmental Monitoring and Audit Manual, the air quality, construction noise were set up, namely Action and Limit levels are listed in *Tables* 3-7 and 3-8.

Table 3-7 Action and Limit Levels for Air Quality Monitoring

Manitaning Station	Action Lev	vel (μg/m³)	Limit Level (μg/m³)		
Monitoring Station	1-hour TSP	24-hour TSP	1-hour TSP	24-hour TSP	
AMS-1	313	154	500	260	
AMS-1a(*)	313	154	500	260	
AMS-2	319	165	500	260	
AMS-3	319	165	500	260	





Monitoring Station	Action Lev	vel (μg/m³)	Limit Level (µg/m³)		
Withitting Station	1-hour TSP	24-hour TSP	1-hour TSP	24-hour TSP	
AMS-4	315	165	500	260	
AMS-5	299	166	500	260	
AMS-6	303	168	500	260	
AMS-7	307	156	500	260	

<sup>(\*) 24-</sup>hour TSP monitoring at AMS1 was abandoned since May 2019 due to lack of power supply and the landlord was unreachable. The alternation location of AMS1a was activated on 15 June 2019 for 1-hour and 24-hour TSP monitoring. The proposal was agreed by EPD on 9 Aug 2019.

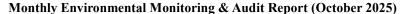
Table 3-8 Action and Limit Levels for Construction Noise

Manitanina I andian	Action Level	Limit Level in dB(A)			
<b>Monitoring Location</b>	Time Period: 0700-1900 hours on normal weekdays				
NMS-1		70 dB(A) <sup>Note 1</sup> /65 dB(A) <sup>Note 1</sup>			
NMS-2(@)		/0 db(A) / 03 db(A)			
NMS-3(:)		75 dB(A)			
NMS-4*	When one or more documented complaints are received	75 dB(A)			
NMS-4a#		75 dB(A)			
NMS-5#		75 dB(A)			
NMS-6~		75 dB(A)			
NMS-7~		75 dB(A)			
NMS-8^		75 dB(A)			
CN1+		$70 \text{ dB(A)}^{\text{Note 1}} / 65 \text{ dB(A)}^{\text{Note 1}}$			
CN2+		$70 \text{ dB(A)}^{\text{Note 1}} / 65 \text{ dB(A)}^{\text{Note 1}}$			
CN3+		75 dB(A)			

- Note 1: Noise Limit Levels for school is 70dB(A) and should be reduced to 65dB(A) during examination period.
- Note: If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.
- Remark: (\*) Additional noise monitoring location was recommended by RE and agreed by IEC. It was temporary suspended and the monitoring location is relocated to NMS4a with effective on 15 Nov 2017.
  - (@) NMS-2 was effective on 15 November 2019.
  - (:) NMS-3 was effective on 3 December 2019
  - (#) Review of noise monitoring locations was proposed by ET and NMS-5 was effective on 15 Nov 2017.
  - (~) Review of noise monitoring locations was proposed by ET and NMS-6 and NMS-7 were effective on 28 Feb 2018.
  - (^) Review of noise monitoring locations was proposed by ET and NMS-8 was effective on 18 April 2018. Noise monitoring at NMS-8 was started on 3 May 2018 upon commencement of construction at relevant section.
  - (+) Additional noise monitoring locations as instructed by AECOM which effective in Dec 18.
- 3.7.2 Should non-compliance of the environmental quality criteria occurs, remedial actions will be triggered according to the Event and Action Plan which presented in *Appendix F*.

## 3.8 DATA MANAGEMENT AND DATA QA/QC CONTROL

- 3.8.1 All monitoring data will be handled by the ET's in-house data recording and management system. The monitoring data recorded in the equipment will be downloaded directly from the equipment at the end of each monitoring day. The downloaded monitoring data will input into a computerized database properly maintained by the ET. The laboratory results will be input directly into the computerized database and checked by personnel other than those who input the data.
- For monitoring parameters that require laboratory analysis, the local laboratory shall follow the QA/QC requirements as set out under the HOKLAS scheme for the relevant laboratory tests.





## 4 AIR QUALITY MONITORING

### 4.1 GENERAL

- 4.1.1 In the Reporting Period, air quality monitoring was performed at the active designated monitoring locations AMS-1a, AMS-2, AMS-3, AMS-4, AMS-5, AMS-6 and AMS-7. Since installation of HVS for 24-hour TSP at AMS-2, AMS-3 and AMS-4 were pending approval from relevant departments, only 1-hour TSP monitoring was conducted at AMS-2, AMS-3 and AMS-4. Liaise with the Maryknool Secondary School of AMS-4 for installation of monitoring equipment at rooftop is in progress.
- 4.1.2 The air quality monitoring schedule is presented in *Appendix G* and the monitoring results are summarized in the following sub-sections.

### 4.2 RESULTS OF AIR QUALITY MONITORING

4.2.1 In the Reporting Period, a total of 105 events of 1-hour TSP monitoring and 20 events of 24-hours TSP were carried out and the monitoring results are summarized in Tables 4-1 to 4-5. The detailed 24-hour TSP monitoring data are presented in Appendix H and the relevant graphical plots are shown in Appendix I.

Table 4-1 Summary of 24-hour and 1-hour TSP Monitoring Results (AMS-1a)

	24-hour	1-hour TSP (μg/m³)				
Date	TSP $(\mu g/m^3)$	Date	Start Time	1 <sup>st</sup> reading	2 <sup>nd</sup> reading	3 <sup>rd</sup> reading
6-Oct-25	17	4-Oct-25	9:00	53	60	58
11-Oct-25	15	10-Oct-25	9:10	48	60	56
17-Oct-25	22	16-Oct-25	9:12	62	65	58
23-Oct-25	17	22-Oct-25	14:22	56	49	44
28-Oct-25	21	27-Oct-25	14:00	60	64	58
Average (Range)	18 (15 – 22)	Averaş (Rang	_		57 (44 – 65)	

Table 4-2 Summary of 1-hour TSP Monitoring Results (AMS-2)

1-hour TSP (μg/m³)					
Date	Start Time	1 <sup>st</sup> reading	2 <sup>nd</sup> reading	3 <sup>rd</sup> reading	
4-Oct-25	9:30	64	72	68	
10-Oct-25	9:32	68	62	64	
16-Oct-25	9:42	68	62	64	
22-Oct-25	9:21	64	58	72	
27-Oct-25	9:40	64	58	64	
Average	Average (Range) 65 (58 – 72)				

Table 4-3 Summary of 1-hour TSP Monitoring Results (AMS-3)

1-hour TSP (μg/m³)					
Date	Start Time	1 <sup>st</sup> reading	2 <sup>nd</sup> reading	3 <sup>rd</sup> reading	
4-Oct-25	9:50	58	60	64	
10-Oct-25	9:56	64	50	62	
16-Oct-25	9:50	64	58	60	
22-Oct-25	9:08	43	49	49	
27-Oct-25	9:00	68	54	62	
Average	Average (Range) 58 (43 – 68)				



Table 4-4 Summary of 1-hour TSP Monitoring Results (AMS-4)

1-hour TSP (μg/m³)							
Date	Start Time	1 <sup>st</sup> reading	2 <sup>nd</sup> reading	3 <sup>rd</sup> reading			
4-Oct-25	13:00	64	52	60			
10-Oct-25	9:06	70	68	59			
16-Oct-25	9:00	76	72	60			
22-Oct-25	9:10	63	70	64			
27-Oct-25	9:00	72	64	56			
Average	Average (Range) 65 (52 – 76)						

Table 4-5 Summary of 24-hour and 1-hour TSP Monitoring Results (AMS-5)

	24-hour	1-hour TSP (μg/m³)					
Date	TSP $(\mu g/m^3)$	Date	Start Time	1 <sup>st</sup> reading	2 <sup>nd</sup> reading	3 <sup>rd</sup> reading	
6-Oct-25	11	4-Oct-25	9:45	68	62	70	
11-Oct-25	24	10-Oct-25	9:47	70	66	64	
17-Oct-25	26	16-Oct-25	9:40	71	62	66	
23-Oct-25	21	22-Oct-25	9:50	54	60	61	
28-Oct-25	49	27-Oct-25	9:45	64	64	68	
Average	26	Average 65					
(Range)	(11 - 49)	(Range	e)		(54 - 71)		

Table 4-6 Summary of 24-hour and 1-hour TSP Monitoring Results (AMS-6)

	24-hour		g/m³)			
Date	TSP $(\mu g/m^3)$	Date	Start Time	1 <sup>st</sup> reading	2 <sup>nd</sup> reading	3 <sup>rd</sup> reading
6-Oct-25	33	4-Oct-25	10:30	54	63	67
11-Oct-25	24	10-Oct-25	10:32	64	66	58
17-Oct-25	31	16-Oct-25	10:30	56	60	64
23-Oct-25	31	22-Oct-25	10:35	60	66	58
28-Oct-25	45	27-Oct-25	10:35	63	64	68
Average (Range)	33 (24 – 45)	Average (Range)				

Table 4-7 Summary of 24-hour and 1-hour TSP Monitoring Results (AMS-7)

	24-hour	1-hour TSP (μg/m³)					
Date	TSP (μg/m³)	Date	Start Time	1 <sup>st</sup> reading	2 <sup>nd</sup> reading	3 <sup>rd</sup> reading	
6-Oct-25	16	4-Oct-25	14:00	64	70	74	
11-Oct-25	21	10-Oct-25	14:04	64	69	58	
17-Oct-25	10	16-Oct-25	14:00	69	72	66	
23-Oct-25	15	22-Oct-25	13:00	51	54	64	
28-Oct-25	11	27-Oct-25	14:00	70	64	68	
Average (Range)	15 (10 – 21)	Average (Range)					

- 4.2.2 As shown in *Tables 4-1 to 4-7*, all the 1-hour TSP and 24-hour TSP monitoring results in the Reporting Period were below the Action and Limit Levels. No Notification of Exceedance (NOE) was issued in this Reporting Period.
- 4.2.3 The meteorological data during the impact monitoring days are summarized in *Appendix J*.



### 5 CONSTRUCTION NOISE MONITORING

### 5.1 GENERAL

- 5.1.1 In the Reporting Period, noise monitoring was performed at designated monitoring locations NMS1, NMS2 and NMS3 and the additional monitoring locations NMS4a, NMS5, NMS6, NMS7 and NMS8.
- 5.1.2 In addition, a Work Instruction was issued from AECOM to AUES in November 2018 for installing three additional noise monitoring stations, i.e., CN1, CN2 and CN3 for Contract 3. Impact noise monitoring was performed at the three additional noise monitoring locations since December 2018. Additional noise monitoring location was terminated by RE as the construction work at E8 was completed in September 2022. The last monitoring for CN1 & CN2 was on 15 September 2022.
- 5.1.3 The noise monitoring schedule is presented in *Appendix G* and the monitoring results are summarized in the following sub-sections.

### 5.2 Noise Monitoring Results in Reporting Month

5.2.1 In the Reporting Period, a total of **32** events noise measurements were carried out at the designated locations under Contract 1. The noise monitoring results at the designated locations are summarized in *Tables 5-1*. The detailed noise monitoring data are presented in *Appendix H* and the relevant graphical plots are shown in *Appendix I*.

Table 5-1 Summary of Construction Noise Monitoring Results for Contract 1

Construction Noise Level (L <sub>eq30min</sub> ), dB(A)								
Date	NMS1	NMS2	NMS3	NMS4a	NMS5	NMS6	NMS7	NMS8
10-Oct-25	69	61	61	60	63	66	63	66
16-Oct-25	67	63	62	61	62	67	65	64
22-Oct-25	68	62	63	65	62	66	62	61
27-Oct-25	68	62	63	65	63	65	64	61
Limit Level	70 dB( dB(A	A) / <b>65</b> D)Note 1	75 dB(A)					

Note 1: Noise Limit Levels for school is 70dB(A) and should be reduced to 65dB(A) during examination period

5.2.2 For the additional noise monitoring under Contract 3, a total of 4 events noise measurements were performed for the Contract. The noise monitoring results are summarized in *Tables 5-2*. The detailed noise monitoring data are presented in *Appendix H* and the relevant graphical plots are shown in *Appendix I*.

Table 5-2 Summary of Construction Noise Monitoring Results for Contract 3

Con	Construction Noise Level (L <sub>eq30min</sub> ), dB(A)					
Date	CN3					
10-Oct-25	62					
16-Oct-25	64					
22-Oct-25	60					
27-Oct-25	61					
Limit Level	75 dB(A)					

Note 1: Noise Limit Levels for school is 70dB(A) and should be reduced to 65dB(A) during examination period.

5.2.3 As shown in *Tables 5-1 and 5-2*, no Limit Level exceedance was recorded in this Reporting Period. No noise complaint (which triggered Action level exceedance) was received under the Project.

<sup>\*</sup> NMS2 examination period: 13 to 17 October 2025





### **6 WASTE MANAGEMENT**

### 6.1 GENERAL WASTE MANAGEMENT

6.1.1 Waste management was carried out by an on-site Environmental Officer or an Environmental Supervisor from time to time.

### **6.2** RECORDS OF WASTE QUANTITIES

- 6.2.1 All types of waste arising from the construction work are classified into the following:
  - Construction & Demolition (C&D) Material;
  - Chemical Waste;
  - General Refuse; and
  - Excavated Soil.
- 6.2.2 The quantities of waste for disposal in this Reporting Period are summarized in *Tables 6-1* and 6-2 and the Monthly Summary Waste Flow Table is shown in *Appendix K*. Whenever possible, materials were reused on-site as far as practicable.

Table 6-1 Summary of Quantities of Inert C&D Materials

Type of Weste	Contract 4				
Type of Waste	Quantity	Disposal Location			
Total generated Inert C&D Materials ('000m³) (#)	1.457	-			
Hard Rock and Large Broken Concrete ('000m³)	0	-			
Reused in this Contract (Inert) ('000m³)	0	-			
Reused in other Projects (Inert) ('000m³)	0	-			
Disposal as Public Fill (Inert) ('000m³)	1.457	TKO 137			

Remark (#): The total generated inert C&D materials will not take account for the hard rock and large broken concrete.

Table 6-2 Summary of Quantities of C&D Wastes

Toma of Wasta	Contract 4			
Type of Waste	Quantity	Disposal Location		
Recycled Metal ('000kg)	0	-		
Recycled Paper / Cardboard Packing	0	-		
('000kg)	U			
Recycled Plastic ('000kg)	0	-		
Chemical Wastes ('000kg)	0	-		
General Refuses ('000m <sup>3</sup> )	0.294	-		

<sup>(\*)</sup> Approved alternative disposal ground.

**Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works** 





### **7** SITE INSPECTION

## 7.1 REQUIREMENTS

7.1.1 According to the approved EM&A Manual, the environmental site inspection shall be formulation by ET Leader. Weekly environmental site inspections should be carried out to confirm the environmental performance.

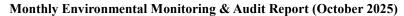
## 7.2 FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH

### Contract 4

7.2.1 In the Reporting Period, joint site inspections for Contract 4 to evaluate site environmental performance were carried out by the RE, ET and the Contractor on 8, 15, 23 and 31 October 2025 in which IEC joined the site inspection with SSEMC on 23 October 2025. No non-compliance was noted. The findings / deficiencies of *Contract 4* that observed during the weekly site inspection are listed in *Table 7-1*.

Table 7-1 Site Observations of Contract 4

Date	Findings / Deficiencies	Follow-Up Status
8 October 2025	No environmental issue was observed during site inspection.	• NA
15 October 2025	• No environmental issue was observed during site inspection.	• NA
23 October 2025	Chemical container was found without drip tray which should be stored in drip tray to prevent leakage.	Chemical container     was removed and     stored on drip tray     to prevent leakage.
31 October 2025	No environmental issue was observed during site inspection.	• NA





### 8 ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE

### 8.1 Environmental Complaint, Summons and Prosecution

- 8.1.1 In the Reporting Period, no environmental complaint was received. Besides, no summons and prosecution under the EM&A Programme was lodged for the project.
- 8.1.2 The complaint log is shown in *Appendix M*.
- 8.1.3 The statistical summary table of environmental complaint, summons and prosecution is presented in *Tables 8-1*, 8-2 and 8-3.

Table 8-1 Statistical Summary of Environmental Complaints

Danauting David	Contract	Enviro	<b>Environmental Complaint Statistics</b>				
Reporting Period	no.	Frequency	Cumulative	<b>Complaint Nature</b>			
27 Sep 2021 – 30 September 2025	4	0	13	NA			
	1	0	70	NA			
	2	0	10	NA			
1 – 31 October 2025	3	0	9	NA			
	4	0	13	NA			
	5	0	0	NA			

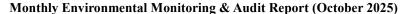
<sup>\*</sup> The cumulative number of complaints has increased from 11 to 13 compared to the previous report.

 Table 8-2
 Statistical Summary of Environmental Summons

Donouting Dowied	Contract	Enviro	<b>Environmental Summons Statistics</b>				
Reporting Period	no.	Frequency	Cumulative	<b>Summons Nature</b>			
27 Sep 2021 – 30 September 2025	4	0	0	NA			
	1	0	0	NA			
	2	0	0	NA			
1 – 31 October 2025	3	0	0	NA			
	4	0	0	NA			
	5	0	0	NA			

Table 8-3 Statistical Summary of Environmental Prosecution

Danguting David	Contract	Environ	<b>Environmental Prosecution Statistics</b>				
Reporting Period	no.	Frequency	Cumulative	<b>Prosecution Nature</b>			
27 Sep 2021 – 30 September 2025	4	0	0	NA			
	1	0	0	NA			
	2	0	0	NA			
1 – 31 October 2025	3	0	0	NA			
	4	0	0	NA			
	5	0	0	NA			





### IMPLEMENTATION STATUS OF MITIGATION MEASURES

### 9.1 GENERAL REQUIREMENTS

- 9.1.1 The environmental mitigation measures that recommended in the Implementation Schedule for Environmental Mitigation Measures (ISEMM) in the approved EM&A Manual covered the issues of dust, noise, water and waste and they are summarized presented in *Appendix L*.
- 9.1.2 All contracts under the Project shall be implementing the required environmental mitigation measures according to the approved EM&A Manual as subject to the site condition. Environmental mitigation measures generally implemented in this Reporting Period are summarized in *Table 9-1*.

**Table 9-1 Environmental Mitigation Measures** 

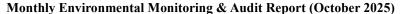
Issues	Environmental Mitigation Measures				
Water Quality	<ul> <li>Wastewater to be treated by filtration system; such as, silt curtain or sedimentation tank before discharge.</li> <li>Replace silt curtain materials if necessary</li> <li>Maintain damp / wet surface on access road</li> <li>Keep slow speed in the sites</li> <li>All vehicles must use wheel washing facility before off site</li> <li>All vehicles must use wheel washing facility before off site</li> <li>Sprayed water during breaking works</li> </ul>				
Air Quality					
Noise	<ul> <li>Restrain operation time of plants from 07:00 to 19:00 on any working day except for Public Holiday and Sunday.</li> <li>Keep good maintenance of plants</li> <li>Place noisy plants away from residence or school</li> <li>Provide noise barriers or hoarding to enclose the noisy plants or works</li> <li>Shut down the plants when not in used.</li> </ul>				
Waste and Chemical Management	<ul> <li>On-site sorting prior to disposal</li> <li>Follow requirements and procedures of the "Trip-ticket System"</li> <li>Predict required quantity of</li> <li>concrete accurately</li> <li>Collect the unused fresh concrete at designated locations in the sites for subsequent disposal</li> </ul>				
General	The site was generally kept tidy and clean.				

## 9.2 TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH

### Contract 4 (ED/2020/02)

- Excavation work for Drainage Works at Portion 1a, 2a, 6,8 & 12
- Drainage works at Portion 1a, 2a, 6, 8, 9 & 12
- Construction of E&M works at Portion 1a, 2a, 6, 8, 12
- Construction of Planter at Portion 6, 8, 12
- Construction of hard landscape at Portion 6, 8, 12
- Construction of slab planter on elevated walkway at Portion 13b
- Backfilling works for B3 &B4 at Portion 13b
- Sewerage and Road works at G2-Site at Portion 13b
- Installation of rock mesh at Portion 10
- Repair works at Portion 10 and Portion 17
- Construction of Footpath at Portion 9
- Watermain works at Portion 13b
- Planting works at Portion 2a, 2b, 6, 8 and 12
- Scaffolding erection works for the buildings at Portion 2a
- Building works at Portion 2a

**Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works** 

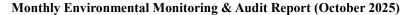




### 9.3 KEY ISSUES FOR THE COMING MONTH

- 9.3.1 Key issues to be considered in the coming month include:
  - Implementation of dust suppression measures at all times;
  - Potential wastewater quality impact due to surface runoff;
  - Potential fugitive dust quality impact due from the dry/loose/exposure soil surface/dusty material;
  - Disposal of empty engine oil containers within site area;
  - Ensure dust suppression measures are implemented properly;
  - Sediment catch-pits and silt removal facilities should be regularly maintained;
  - Management of chemical wastes;
  - Discharge of site effluent to the nearby wetland, stockpiling or disposal of materials, and any dredging or construction area at this area are prohibited;
  - Follow-up of improvement on general waste management issues; and
  - Implementation of construction noise preventative control measures
- 9.3.2 During dry season, the Contractor should fully implement air quality mitigation measures to reduce construction dust emission as far as practicable. Furthermore, since construction site is highly visible to the resident at nearby estates, noise mitigation measures such as using of quiet plants should be implemented in accordance with the EM&A requirement.
- 9.3.3 The Contractors should pay special attention on water quality mitigation measures and fully implement according to the ISEMM of the EM&A Manual, in particular to prevent muddy water or other water pollutants from site surface overflow to public area should be properly maintained. The implementation of water quality mitigation measures conducted by the Contractor is shown in *Appendix N*.

**Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works** 





### 10 CONCLUSIONS AND RECOMMENDATIONS

### 10.1 CONCLUSIONS

- 10.1.1 This is 103<sup>rd</sup> monthly EM&A report presenting the monitoring results and inspection findings for the Reporting Period from 1 to 31 October 2025.
- 10.1.2 The previous service contractor nos. NTE/07/2016 and EDO 8/2022, covering the EM&A service for the Development ARQ for Contracts 1, 2, 3, 4 and 5 was completed in September 2022 and September 2023 respectively. In view of the completion of major construction works, the EM&A service for Contract 1 and Contract 2 under service contract no. EDO 8/2022 was ceased in late September 2023 and the relevant monitoring stations have been handover to current contract no. EDO 8/2022.
- 10.1.3 No 24-hour and 1-hour TSP monitoring and noise monitoring results that triggered the Action or Limit Levels were recorded. No NOEs or the associated corrective actions were therefore issued. Moreover, no noise complaints (which triggered Action Level) were received for the Project.
- 10.1.4 In the Reporting Period, no environmental complaint was received in Reporting Period.
- 10.1.5 No notification of summons or successful prosecution was received under the Project.
- During the Reporting Period, weekly joint site inspection by the RE, ET with the relevant Main-contractor was carried out for Contracts 4 in accordance with the EM&A Manual stipulation whereas IEC performed monthly site inspection for both contracts. No non-compliance observed during the site inspection.

### 10.2 RECOMMENDATIONS

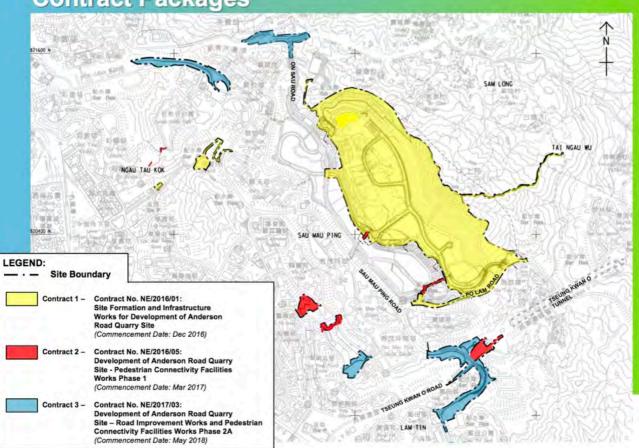
- 10.2.1 The Contractors are reminded to pay special attention on water quality mitigation measures and should fully implement the measures as recommended in the EM&A Manual, in particular to prevent muddy water or other water pollutants from site surface overflow to public area should be properly maintained.
- 10.2.2 Since construction site is highly visible to the resident at nearby estates, the Contractors should pay special attention on potential environmental impact generated by the site activities and adhere implement adequate air quality and noise mitigation measures as far as practicable to reduce the impact to the public.
- 10.2.3 Construction noise is one of the key environmental issues during construction work of the Project. Noise mitigation measures such as using quiet plants and noise barriers shall be implemented where practicable according to the EM&A manual.
- 10.2.4 In addition, the Contractors should ensure all effluent discharge shall be fulfilled the Technical Memorandum of Effluent Discharged into Drainage and Sewerage Systems, inland and Coastal Waters criteria or relevant discharge license requirement.
- 10.2.5 Mosquito control measures should be continued to prevent mosquito breeding on site



# Appendix A

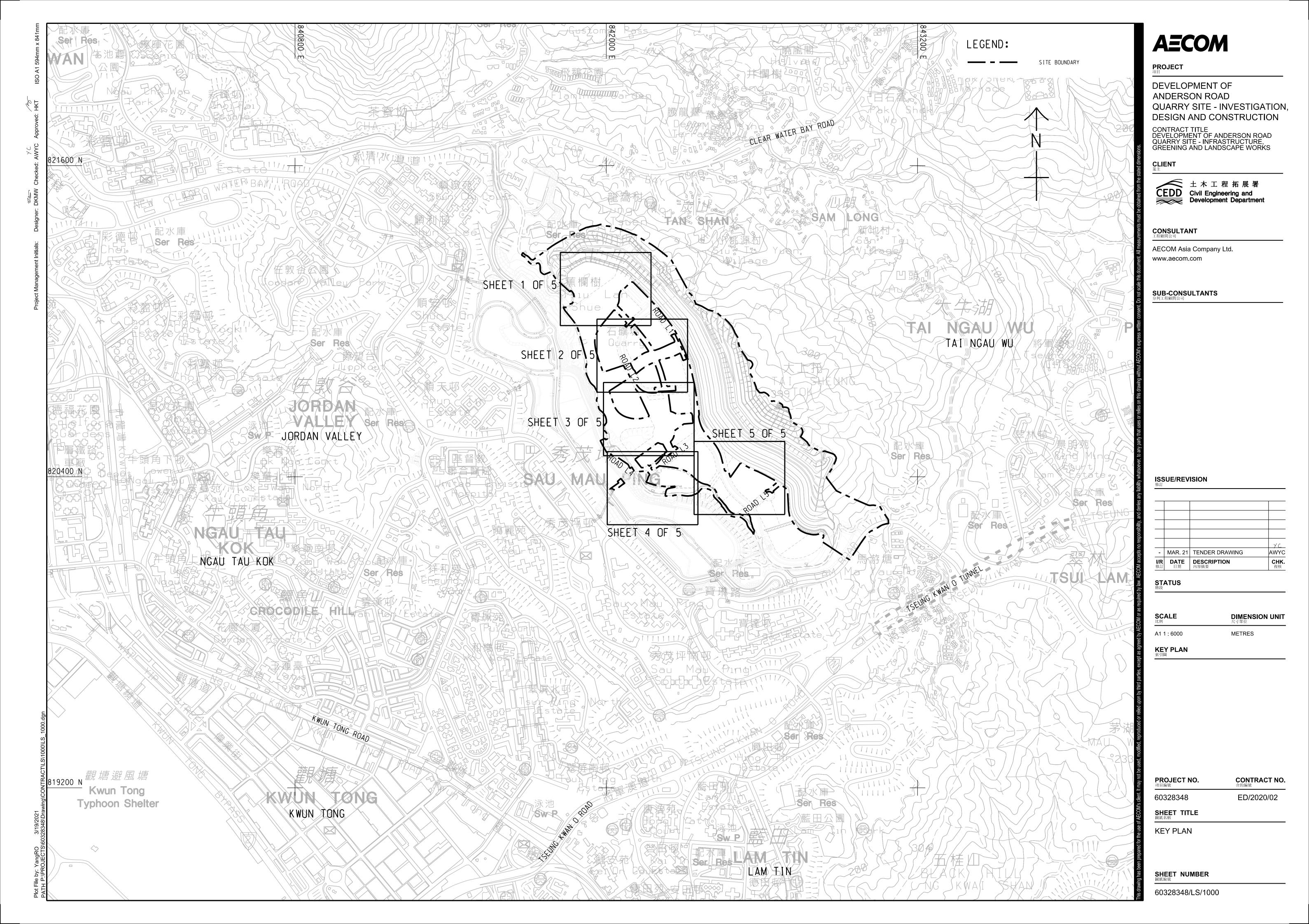
Layout plan of the Project

# **Contract Packages**





Layout plan of Contract 4 (ED/2020/02)



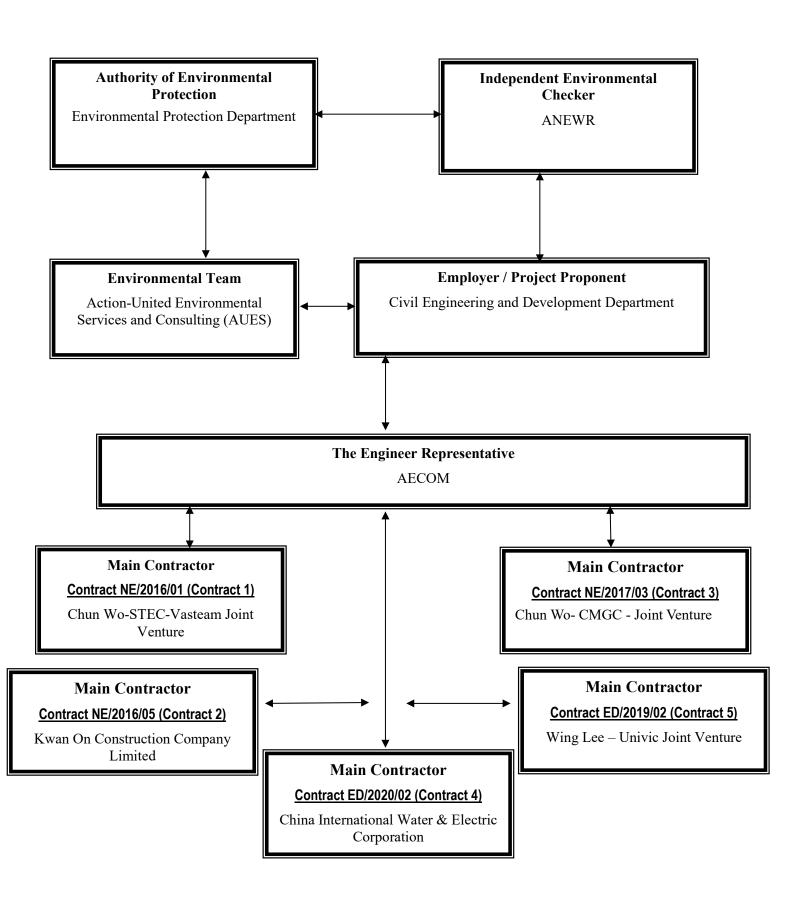


# Appendix B

**Project Organization Structure** 



## **Project Organization Structure**





## Contact Details of Key Personnel for Contract 4 -ED/2020/02

Organization	Project Role	Name of Key Staff	Tel No.	Fax No.
CEDD	Engineer	Mr Leung Chi Foon	3842 7087	2739 0076
AECOM	Senior Resident Engineer	Eddie Wong	5192 0965	2473 3221
AECOM	Resident Engineer	Samson Lam	5692 6545	2473 3221
ANEWR	Independent Environmental Checker	James Choi	2618 2836	3007 8648
CIWEC	Project Director	Kevin, Chan Ka Shing	6159 9750	2508 0987
CIWEC	Site Agent	John Dan	9463 3062	2508 0987
CIWEC	Environmental Officer	Man Chun Ning	6299 8850	2508 0987
CIWEC	Environmental Supervisor	Chan Ben Sun, Benson	6695 5417	2508 0987
AUES	Environmental Team Leader	T. W. Tam	2959 6059	2959 6079
AUES	Environmental Consultant	Nicola Hon	2959 6059	2959 6079
AUES	Environmental Consultant	Ben Tam	2959 6059	2959 6079

## Legend:

CEDD (Employer) - Civil Engineering and Development Department

AECOM (Engineer) – AECOM Asia Co. Ltd.

CIWEC (Main Contractor) - China International Water & Electric Corporation

ANEWR (IEC) -ANewR Consulting Limited

AUES (ET) – Action-United Environmental Services & Consulting



# **Appendix C**

Construction Programme (a) Contract 4 (ED/2020/02)

CEDD Service Contract No. EDO 12/2023 Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works Monthly Environmental Monitoring & Audit Report (October 2025)



**Contract 4 (ED/2020/02)** 

China International Water & Electric Corp.

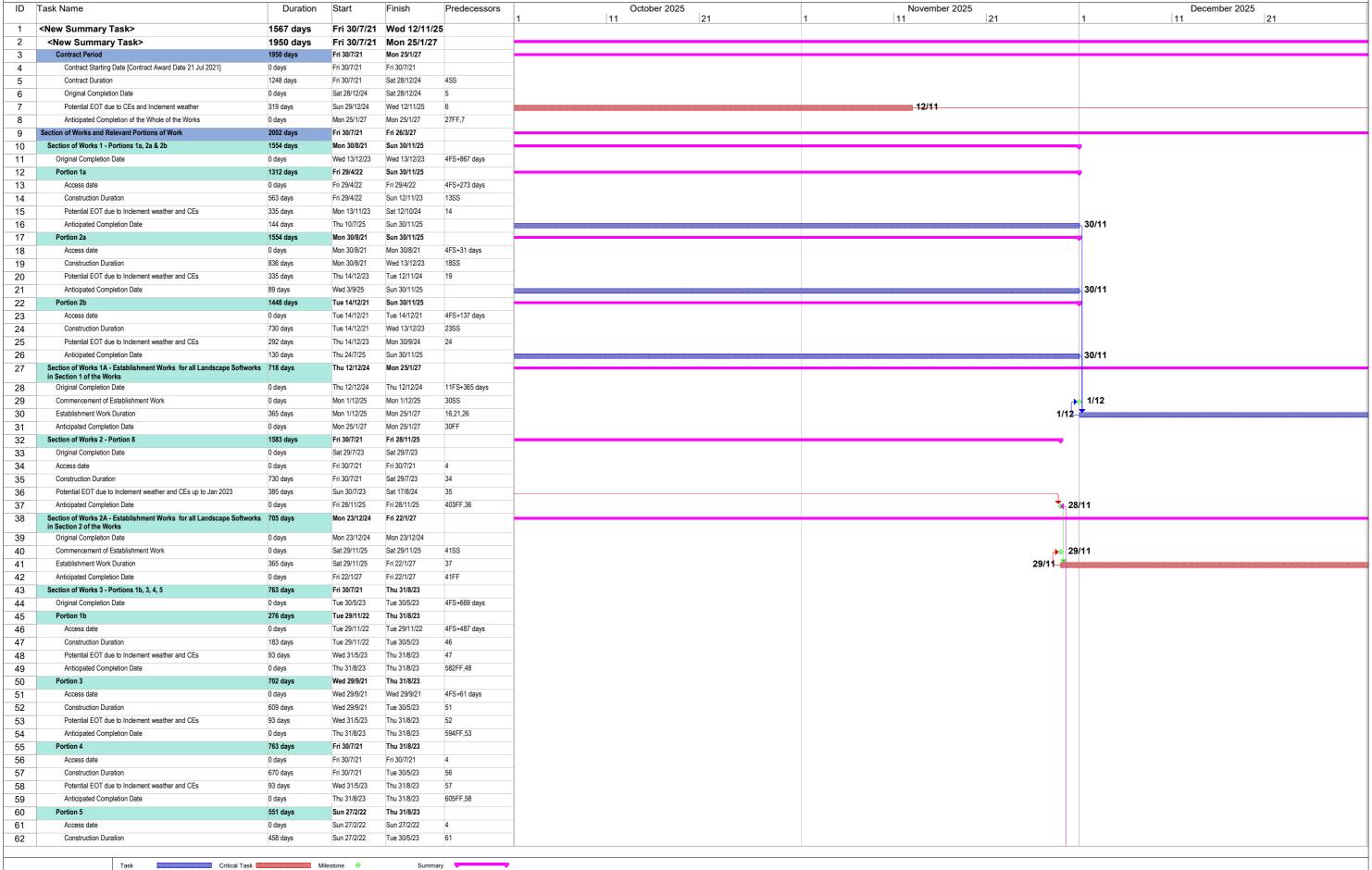
CEDD Contract No. ED/2020/02

Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works

CEDD Contract No. ED/2020/02

Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works
3 Months Rolling Programme (Oct 2025 to Dec 2025)

S October 2025



CEDD Contract No. ED/2020/02

Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works

3 Months Rolling Programme (Oct 2025 to Dec 2025) China International Water & Electric Corp. 2 Oct 2025

						3 Months Rolling Programme (Oct 2025 to Dec 2025)	•		
ID	Task Name	Duration	Start	Finish	Predecessors	October 2025	November 2025		December 2025
62	Potential EOT due to Inclement weather and CEs	93 days	Wed 31/5/23	Thu 31/8/23	62	1   11   21	1  11  21		1   11   21
63 64		0 days	Thu 31/8/23	Thu 31/8/23	609FF,63				
	Section of Works 3A - Establishment Works for all Landscape Softworks		Fri 1/9/23	Fri 30/8/24	00911,03				
65	in Section 3 of the Works	303 uays	FII 1/9/23	FII 30/0/24					
66	Original Completion Date	0 days	Tue 28/5/24	Tue 28/5/24	44FS+365 days				
67	Commencement of Establishment Work	0 days	Fri 1/9/23	Fri 1/9/23	68SS				
68	Establishment Work Duration	365 days	Fri 1/9/23	Fri 30/8/24	54,49,59,64				
69	Anticipated Completion Date	0 days	Fri 30/8/24	Fri 30/8/24	68FF				
70	Section of Works 4 - Portions 6, 12	1637 days	Fri 30/7/21	Sat 24/1/26					
71	Original Completion Date	0 days	Tue 13/6/23	Tue 13/6/23	4FS+683 days				
72	Portion 6	1366 days	Sat 29/1/22	Sat 25/10/25					
73	Access date	0 days	Sat 29/1/22	Sat 29/1/22	4FS+183 days				
74	Construction Duration	501 days	Sat 29/1/22	Tue 13/6/23	73				
75	Potential EOT due to Inclement weather and CEs	471 days	Wed 14/6/23	Thu 26/9/24	74				
76	Anticipated Completion Date	0 days	Sat 25/10/25	Sat 25/10/25	618FF,75	25/10			
77	Portion 12	1637 days	Fri 30/7/21	Sat 24/1/26					
78	Access date	0 days	Fri 30/7/21	Fri 30/7/21	4				
79	Construction Duration	684 days	Fri 30/7/21	Tue 13/6/23	78				
80	Potential EOT due to Inclement weather and CEs	471 days	Wed 14/6/23	Thu 26/9/24	79				
81	Anticipated Completion Date	0 days	Sat 24/1/26	Sat 24/1/26					
82	Section of Works 4A - Establishment Works for all Landscape Softworks	953 days	Wed 12/6/24	Fri 26/3/27					
87	in Section 4 of the Works Section of Works 5A - Portions 9, 10	1579 days	Fri 30/7/21	Mon 24/11/25					
88	Original Completion Date	0 days	Wed 28/6/23	Wed 28/6/23	4FS+698 days			•	
89	Porion 9	1518 days	Wed 20/0/23	Mon 24/11/25	0.000 days			_	
90	Access date	0 days	Wed 29/9/21	Wed 29/9/21	4FS+61 days			•	
91	Construction Duration	638 days	Wed 29/9/21	Wed 28/6/23	90				
92	Potential EOT due to Inclement weather and CEs	460 days	Thu 29/6/23	Mon 30/9/24	91				
93	Anticipated Completion Date	0 days	Mon 24/11/25	Mon 24/11/25	92,779FF			<b>4</b> 24/11	
94	Portion 10	1524 days	Fri 30/7/21	Tue 30/9/25	32,77311			24/11	
95	Access date for Portion	0 days	Fri 30/7/21	Fri 30/7/21	4				
96	Construction Duration for Portion	699 days	Fri 30/7/21	Wed 28/6/23	95				
97	Potential EOT due to Inclement weather and CEs	460 days	Thu 29/6/23	Mon 30/9/24	96				
98		0 days	Tue 30/9/25	Tue 30/9/25	828FF,97	30/9			
99	Section of Works 5AI - Establishment Works for all Landscape Softworks		Wed 26/6/24	Mon 18/1/27	02011,01	30/3			
33	in Section 5A of the Works	oc. unje							
100	Original Completion Date	0 days	Wed 26/6/24	Wed 26/6/24	88FS+365 days				
101	Commencement of Establishment Work	0 days	Tue 25/11/25	Tue 25/11/25	102SS			25/11	
102	Establishment Work Duration	365 days	Tue 25/11/25	Mon 18/1/27	93,98		25/11-		
103	Anticipated Completion Date	0 days	Mon 18/1/27	Mon 18/1/27	102FF				
104	Section of Works 5B - Portion 11	1367 days	Sun 27/2/22	Mon 24/11/25				•	
105	Original Completion Date	0 days	Tue 27/6/23	Tue 27/6/23	4FS+697 days				
106	Access date	0 days	Sun 27/2/22	Sun 27/2/22	4FS+211 days				
107	Construction Duration	487 days	Sun 27/2/22	Wed 28/6/23	106SS				
108	Potential EOT due to Inclement weather and CEs	460 days	Thu 29/6/23	Mon 30/9/24	107				
109		0 days	Mon 24/11/25	Mon 24/11/25	108,919FF			24/11	
110	Section of Works 6 - Portion 7	494 days	Tue 29/11/22	Fri 5/4/24					
111	Original Completion Date	0 days	Tue 28/11/23	Tue 28/11/23	4FS+851 days				
112	Access date	0 days	Tue 29/11/22	Tue 29/11/22	4FS+487 days				
113	Construction Duration	365 days	Tue 29/11/22	Tue 28/11/23	112				
114	Deferred possession (CE 067)	90 days	Wed 29/11/23	Mon 26/2/24	113				
115	•	0 days	Fri 5/4/24	Fri 5/4/24	928FF,114				
116	Section of Works 6A - Establishment Works for all Landscape Softworks in Section 6 of the Works	365 days	Sat 6/4/24	Sat 5/4/25					
117		0 days	Wed 27/11/24	Wed 27/11/24	111FS+365 days	1			
118	Commencement of Establishment Work	0 days	Sat 6/4/24	Sat 6/4/24	119SS	1			
119	Establishment Work Duration	365 days	Sat 6/4/24	Sat 5/4/25	115				
120	Anticipated Completion Date	0 days	Sat 5/4/25	Sat 5/4/25	119FF	1			
121	Section of Works 7A - Portions 13a, 14 (DELETED)	669 days	Fri 30/7/21	Mon 29/5/23		1			
122	Access date for Portion 13a	0 days	Sat 29/1/22	Sat 29/1/22	4				
123	Construction Duration for Portion 13a	486 days	Sat 29/1/22	Mon 29/5/23	122	1			
124	Completion of Works in Portion 13a	0 days	Mon 29/5/23	Mon 29/5/23	123,959	1			
125	Access date for Portion 14	0 days	Fri 30/7/21	Fri 30/7/21	4	1			
126	Construction Duration for Portion 14	669 days	Fri 30/7/21	Mon 29/5/23	125				
127	Completion of Works in Portion 14	0 days	Mon 29/5/23	Mon 29/5/23	126,971,970	1			
		1		-	1		I .		
	Task Critical Task	Mil	lestone 🔷	Summa	у				

CEDD Contract No. ED/2020/02

Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works

3 Months Rolling Programme (Oct 2025 to Dec 2025) China International Water & Electric Corp. 2 Oct 2025

						3 Months Rolling Programme (Oct 2025 to Dec 2025)		
ID	Task Name	Duration	Start	Finish	Predecessors	October 2025	November 2025	December 2025
128	Section of Works 7AI - Establishment Works for all Landscape Softworks	365 days	Mon 29/5/23	Tue 28/5/24		1   11   21	1   11   21	1   11   21
120	in Section 7A of the Works (DELETED)	Job days	MOII 23/3/23	1 46 20/3/24				
129	Commencement of Establishment Work for Section 7A	0 days	Mon 29/5/23	Mon 29/5/23	127			
130	Establishment Work Duration for Section 7A	365 days	Tue 30/5/23	Tue 28/5/24	129			
131	Completion of Works in Section 7A	0 days	Tue 28/5/24	Tue 28/5/24	130,976			
132	Section of Works 7B - Portions 13b, 15	1419 days	Sat 26/2/22	Fri 16/1/26				
133	Original Completion Date	0 days	Thu 28/12/23	Thu 28/12/23	4FS+882 days			
134	Portion 13b	1419 days	Sat 26/2/22	Fri 16/1/26				
135	Access date	0 days	Sat 26/2/22	Sat 26/2/22	4FS+211 days			
136	Construction Duration	671 days	Sun 27/2/22	Fri 29/12/23				
137	Potential EOT due to Inclement weather and CEs up to Jan 2023	300 days	Sat 30/12/23	Thu 24/10/24	136			
138	Anticipated Completion Date	0 days	Fri 16/1/26	Fri 16/1/26				
139	Portion 15	1418 days	Sun 27/2/22	Fri 16/1/26				
140	Access date	0 days	Sun 27/2/22	Sun 27/2/22	4			
141	Construction Duration	671 days	Sun 27/2/22	Fri 29/12/23	140			
142	Potential EOT due to Inclement weather and CEs	300 days	Sat 30/12/23	Thu 24/10/24	141			
143	Anticipated Completion Date	0 days	Fri 16/1/26	Fri 16/1/26				
144	Section of Works 7BI - Establishment Works for all Landscape Softworks	748 days	Fri 27/12/24	Thu 18/3/27				
115	in Section 7B of the Works Original Completion Date	0 days	Fri 27/12/24	Fri 27/12/24	133FS+365 days			
145	3 .	0 days	Sat 17/1/26	Sat 17/1/26	147SS			
146		365 days	Sat 17/1/26	Thu 18/3/27	138,143			
147		0 days	Thu 18/3/27	Thu 18/3/27	147FF			
		564 days	Thu 16/6/22	Sun 31/12/23	17/11			
149 150		0 days	Wed 28/6/23	Wed 28/6/23	4FS+698 days			
151		0 days	Thu 16/6/22		4FS+321 days			
		378 days	Thu 16/6/22		151			
152 153		186 days	Thu 10/0/22 Thu 29/6/23	Sun 31/12/23	152			
154		0 days	Sun 31/12/23	Sun 31/12/23	153,1171FF			
	Section of Works 8A - Establishment Works for all Landscape Softworks	-	Mon 1/1/24	Mon 30/12/24	155,117111			
155	in Section 8 of the Works	303 days	WOII 1/1/24	WIOTI 30/12/24				
156	Original Completion Date	0 days	Thu 27/6/24	Thu 27/6/24	150FS+365 days			
157	Commencement of Establishment Work	0 days	Mon 1/1/24	Mon 1/1/24	158SS			
158	Establishment Work Duration	365 days	Mon 1/1/24	Mon 30/12/24	154			
159	Anticipated Completion Date	0 days	Mon 30/12/24	Mon 30/12/24	158FF			
160	Section of Works 9 - Portion 17	1282 days	Sun 27/2/22	Sun 31/8/25				
161	Original Completion Date	0 days	Fri 29/12/23	Fri 29/12/23	4FS+882 days			
162	Access date	0 days	Sun 27/2/22	Sun 27/2/22	4FS+212 days			
163	Construction Duration	671 days	Sun 27/2/22	Fri 29/12/23	162			
164	Potential EOT due to Inclement weather and CEs	306 days	Sat 30/12/23	Wed 30/10/24	163			
165		0 days	Sun 31/8/25	Sun 31/8/25	164,1187FF			
166	Section of Works 9A - Establishment Works for all Landscape Softworks	611 days	Sat 28/12/24	Sat 10/10/26				
167	in Section 9 of the Works Original Completion Date	0 days	Sat 28/12/24	Sat 28/12/24	161FS+365 days			
167		0 days	Sun 31/8/25	Sun 31/8/25	165SS			
168		365 days	Mon 1/9/25	Sat 10/10/26	165			
169 170		0 days	Sun 31/8/25	Sun 31/8/25	165FF			
170		1202 days	Fri 30/7/21	Tue 12/11/24	10011			
171		0 days	Thu 28/12/23		133FF			
172		0 days	Fri 30/7/21		4			
173		883 days	Fri 30/7/21		173			
174		319 days	Sat 30/12/23		174			
175		0 days	Tue 12/11/24		175,1264FF			
176	·	1567 days	Fri 30/7/21	Wed 12/11/25	110,120411			
177				Wed 3/8/22				
178	-	370 days	Fri 30/7/21 Fri 30/7/21	Thu 5/8/21	4			
180	-	7 days 7 days	Fri 30/7/21	Thu 5/8/21	4			
180		14 days	Fri 30/7/21	Thu 12/8/21	4			
182		7 days	Fri 30/7/21	Thu 5/8/21	4			
	Notification to Labour Department/Marine Department of the commencement	-	Fri 30/7/21	Thu 5/8/21	4			
183	date and other details of the contract	r uays	1-11 3U///Z1	IIIu 3/0/ZT	7			
184	Submission of Summary Details of Contract to the Departmental Safety and	21 days	Fri 30/7/21	Thu 19/8/21	4			
105	Environmental	7 dovo	Eri 20/7/04	Thu 5/0/04	4			
185		7 days	Fri 30/7/21	Thu 5/8/21	4			
186		7 days	Fri 30/7/21	Thu 5/8/21	4			
187	Professional video production company and a competent video director	7 days	Fri 30/7/21	Thu 5/8/21	4			
	Task Critical Task	Mil	lestone	Summan	y <b>-</b>			

China International Water & Electric Corp.

CEDD Contract No. ED/2020/02

2 Oct 2025

Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works

CEDD Contract No. ED/2020/02
Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works
3 Months Rolling Programme (Oct 2025 to Dec 2025)

D Tas	k Name	Duration	Start	Finish	Predecessors	October 2025	4	November 2025	December 2025
88	Surveyor, Key People	7 days	Fri 30/7/21	Thu 5/8/21	4	11   21	1	11   21	1  11
39	• • • • • • • • • • • • • • • • • • • •		Fri 30/7/21	Thu 5/8/21	4				
90	Particulars of Independent service provider for Digital Works Supervision Syst	•	Fri 30/7/21	Thu 5/8/21	4				
91			Fri 30/7/21	Thu 12/8/21	4				
92	-	•	Fri 30/7/21	Thu 12/8/21	4				
93	Competent member of the sites supervisory staff to oversee and supervise	•	Fri 30/7/21	Thu 19/8/21	4				
33	tree works related to arboricultural operations and preservation of trees within		. 11 00/1/21	1110 10/0/21					
94	Content of Contract Webpage (Monthly update afterwards)	21 days	Fri 30/7/21	Thu 19/8/21	4				
95	Particulars of the assigned person (competent member with arboriculture	21 days	Fri 30/7/21	Thu 19/8/21	4				
	knowledge of the site supervisory for tree preservation)								
96	-	·	Fri 30/7/21	Thu 19/8/21	4				
97	Design of the CRE Site Office certified by an accepted ICE	30 days	Fri 30/7/21	Sat 28/8/21	4				
98	Design Architect	30 days	Fri 30/7/21	Sat 28/8/21	4				
9	Specially required staff	30 days	Fri 30/7/21	Sat 28/8/21	4				
)	Public Relation Officer	30 days	Fri 30/7/21	Sat 28/8/21	4				
1	Site Safety Committee (SSC) Meeting (monthly afterwards)	30 days	Fri 30/7/21	Sat 28/8/21	4				
2		30 days	Fri 30/7/21	Sat 28/8/21	4				
		•	Fri 30/7/21	Mon 27/9/21	4				
+		•	Fri 30/7/21	Mon 27/9/21	4				
ļ	' •	•	Fri 30/7/21	Mon 27/9/21	4				
5	uniform; Provide uniforms within 5 days after the design is accepted by PM	oo uaya	111 00/1/21	MOH 21/3/21	•				
	• • • • • • • • • • • • • • • • • • • •	90 days	Fri 30/7/21	Wed 27/10/21	4				
	Commissioning of DWSS	90 days	Fri 30/7/21	Wed 27/10/21	4				
	<del>-</del>	•	Fri 30/7/21	Wed 27/10/21	4				
_	·	•	Fri 30/7/21	Wed 27/10/21	4				
		•	Fri 30/7/21	Wed 27/10/21	4				
<u>'</u>	<u> </u>	•	Fri 30/7/21	Tue 25/1/22	4				
_				Tue 25/1/22	1				
	Employment of Construction Industry Council's Graduates (min. 4 graduates)		Fri 30/7/21		*				
	Nomination of Treatment process specialist, Design Engineer, and Independent Checking Engineer (ICE)	34 days	Fri 1/7/22	Wed 3/8/22					
P		60 days	Fri 30/7/21	Mon 27/9/21					
PI	· ·	30 days	Fri 30/7/21	Sat 28/8/21	4				
	electronic copies)	,.							
	Preparation and submission of Waste Management Plan (WMP)	30 days	Fri 30/7/21	Sat 28/8/21	4				
	Preparation and submission of Draft Construction Health and Safety Plan (3	7 days	Fri 30/7/21	Thu 5/8/21	4				
	copies)		E:00/7/04	TI 5/0/04					
8			Fri 30/7/21	Thu 5/8/21	4				
9	Preparation and submission of Draft Environmental Management Plan (EMP) 3 copies	4 days	Fri 30/7/21	Mon 2/8/21	4				
0	, , ,	14 days	Fri 30/7/21	Thu 12/8/21	4				
	Insurance Proposal								
1			Fri 30/7/21	Thu 12/8/21	4				
	compartments/ drinking water facilities/ toilet/ hand-wash facilities/ showering/ rubbishbin/ working shelter on Site								
2	·	14 days	Fri 30/7/21	Thu 12/8/21	4				
	Preparation and submission of DWSS proposal	21 days	Fri 30/7/21	Thu 19/8/21	4				
+		•	Fri 30/7/21	Thu 19/8/21	4				
-	Preparation and submission of Construction Health and Safety Plan (6 copies)	•	Fri 30/7/21	Sat 28/8/21	4				
	• • • • • • • • • • • • • • • • • • • •		Fri 30/7/21	Sat 28/8/21					
	·	•			4				
'   3			Fri 30/7/21	Sat 28/8/21	4				
	Preparation and submission of Final Environmental Management Plan (EMP) 3 copies	30 days	Fri 30/7/21	Sat 28/8/21	4				
	, , ,	30 days	Fri 30/7/21	Sat 28/8/21	4				
0	construction and Project Video Films								
	Preparation and submission of Site Traffic Safety Management Plan	60 days	Fri 30/7/21	Mon 27/9/21	4				
-	(STSMP), (monthly update) Preparation and submission of Site Management Plan for TTS	60 days	Fri 30/7/21	Mon 27/9/21	4				
	<u> </u>	•			4				
	Preparation and submission of BIM Execution Plan accordance with the PSA 1.14D	oo uays	Fri 30/7/21	Mon 27/9/21	<b>*</b>				
		60 days	Fri 30/7/21	Mon 27/9/21	4				
		•	Fri 30/7/21	Thu 5/8/21	4				
Р		411 days	Thu 16/3/23	Mon 29/4/24					
		45 days	Thu 16/3/23	Sat 29/4/23					
		115 days	Sun 30/4/23	Tue 22/8/23	236				
		•							
	· · · · · · · · · · · · · · · · · · ·	15 days	Wed 23/8/23	Wed 6/9/23	237				
9	Procurement & material submission of movement joinst for elevated walkway		Thu 16/3/23	Sat 29/4/23	000				
1			Sun 30/4/23	Tue 22/8/23	239				
		15 days	Wed 23/8/23	Wed 6/9/23	240				
	Procurement of Raise Planter Type A&B	60 days	Mon 1/1/24	Thu 29/2/24					
3	Manufacturing, FAT & delivery of Raise Planter Type A&B	60 days	Fri 1/3/24	Mon 29/4/24	242			The state of the s	· ·

CEDD Contract No. ED/2020/02
Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works
3 Months Rolling Programme (Oct 2025 to Dec 2025) China International Water & Electric Corp. 2 Oct 2025

246 Procurement of Children Place 247 Design, Manufacturing, FAT area Park Facilities 248 Procurement of Adult fitness 249 Design Manufacturing, FAT 250 Procurement of Elderly fitne 251 Design, Manufacturing, FAT 250 Programme 253 Preparation & Submission of 254 Preparation & Submission of 255 Program Review and Accep 256 Preparation and Submission 257 Program Review and Accep 258 Implementation of Programs 259 Permit and Licences 260 Detailed construction seque and obtain endorsement in p 261 Risk Assessment for slope v 262 Welfare facilities for workers 263 UU detection equipment brace 264 Certified calibration certifica 265 Contract Computer Facilities Site Record Information System 268 Sets of coloured record ph furniture) 269 Contract Cars 270 Design of uniform for site workers 271 Survey Equipment for Initial 272 Inclinometer access tubesthe tubes and couplings 273 Payment of Wages System 274 Tree survey record 275 Supply of Survey Equipmen 276 Complete setting up and be 277 Initial Survey 3 Assessment for the risk rest 279 Contractor's Design 280 Architectural & Structural 281 Prepare & Submission 282 Internal Review & Submission 283 PM Review & AIP 284 Re-submission (circula 285 Design Checker Review 286 DDA Submission (circula 386 DESIGN DESIGN DESIGN DESIGN DESIGN DESIGN DESIGN DESIGN Checker Review 286 DDA Submission (circula 386 DESIGN Checker Review 286 DDA Submission (circula 386 DDA Subm	AT & delivery of Balustrade Wall BW1-2 hildren Play Areas & water play area Park Facilities uring, FAT & delivery of Children Play Areas & water play s dult fitness Area Park Facilities rring, FAT & delivery of Adult fitness Area Park Facilities derly fitness Area Park Facilities uring, FAT & delivery of Adult fitness Area Park Facilities derly fitness Area Park Facilities uring, FAT & delivery of Elderly fitness Area Park Facilities uring, FAT & delivery of Elderly fitness Area Park Facilities mission of First Works Program and Acceptance of First Program and Acceptance of Works Program are programme Management and Monthly Reporting s ion sequences with associated traffic diversion schemes ement in principle from the relevant authorities and the for slope works or workers in accordance with requirements in PS Claus pment brand/model n certificates are Facilities, Electronic Document Management System, night of the Site Workers Supervision System and of pnated bank and all related arrangement details for	60 days 60 days 60 days 80 days 81 60 days 82 60 days 1537 days 83 64 days 14 days 15 days 16 days 17 days 18 days 19 days 19 days 19 days 10 days 10 days 10 days 10 days 10 days 11 days 12 days 13 days 14 days 15 days 16 days 17 days 18	Mon 1/1/24 Fri 1/3/24 Fri 30/7/21 Fri 30/7/21 Thu 5/8/21 Thu 19/8/21 Mon 18/10/21 Mon 1/11/21 Fri 30/7/21	Finish  Thu 29/2/24  Mon 29/4/24  Mon 13/10/25  Wed 4/8/21  Thu 12/8/21  Wed 18/8/21  Sun 17/10/21  Sun 31/10/25  Mon 27/9/21  Sat 28/8/21  Thu 5/8/21  Thu 5/8/21  Thu 5/8/21	244  246  248  250  4  4  253  255,254  256  257	Oct	ober 2025   21	1	11	nber 2025   21	1	December 2025	21
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276 Complete setting up and ber 277 Initial Survey 278 Assessment for the risk results 279 Contractor's Design 280 Architectural & Structural 281 Prepare & Submission 282 Internal Review & Submission 284 Re-submission 285 Design Checker Review 286 DDA Submission (circular		-											
277 Initial Survey 278 Assessment for the risk rest 279 Contractor's Design 280 Architectural & Structural 281 Prepare & Submissor 282 Internal Review & Submis 283 PM Review & AIP 284 Re-submission 285 Design Checker Review 286 DDA Submission (circular		30 days		Sat 28/8/21	4								
Assessment for the risk rest  279 Contractor's Design  280 Architectural & Structural  281 Prepare & Submission  282 Internal Review & Submi  283 PM Review & AIP  284 Re-submission  285 Design Checker Review  286 DDA Submission (circular	up and begin to operate the Security System	60 days	Fri 30/7/21	Mon 27/9/21	4								
279 Contractor's Design 280 Architectural & Structural 281 Prepare & Submission 282 Internal Review & Submi 283 PM Review & AIP 284 Re-submission 285 Design Checker Review 286 DDA Submission (circula		60 days	Fri 30/7/21	Mon 27/9/21	4								
280 Architectural & Structural 281 Prepare & Submission 282 Internal Review & Submi 283 PM Review & AIP 284 Re-submission 285 Design Checker Review 286 DDA Submission (circula	e risk resulting from working in hot weather	60 days	Fri 30/7/21	Mon 27/9/21	4								
280 Architectural & Structural 281 Prepare & Submission 282 Internal Review & Submi 283 PM Review & AIP 284 Re-submission 285 Design Checker Review 286 DDA Submission (circula	1	1034 days	Fri 1/7/22	Tue 29/4/25									
281 Prepare & Submission 282 Internal Review & Submi 283 PM Review & AIP 284 Re-submission 285 Design Checker Review 286 DDA Submission (circula		183 days		Fri 30/12/22									
282         Internal Review & Submi           283         PM Review & AIP           284         Re-submission           285         Design Checker Review           286         DDA Submission (circular		-			4								
283         PM Review & AIP           284         Re-submission           285         Design Checker Review           286         DDA Submission (circular		31 days	Fri 1/7/22	Sun 31/7/22	4								
284 Re-submission 285 Design Checker Review 286 DDA Submission (circula		15 days		Mon 15/8/22	281								
285 Design Checker Review 286 DDA Submission (circula	AIP	16 days	Tue 16/8/22	Wed 31/8/22	282								
Design Checker Review DDA Submission (circular		30 days	Thu 1/9/22	Fri 30/9/22	283								
286 DDA Submission (circula	er Review & Endorsement	7 days	Sat 1/10/22	Fri 7/10/22	284								
	on (circulation to Government Authorities)	8 days		Sat 15/10/22	285								
I Ime risk allowance for l	<u>'</u>												
-	ance for DDA processing	7 days		Sat 22/10/22	286								
	s and Approval by Government Authorities and PM	69 days		Fri 30/12/22	287								
289 Park lighting, irrigation syste	ation system, smart system etc.	341 days	Mon 14/11/22	Fri 20/10/23									
290 Covered walkway	у	180 days	Fri 1/11/24	Tue 29/4/25									
291 Prepare		30 days	Wed 6/11/24	Thu 5/12/24									
		60 days		Mon 3/2/25	291								
	ICE, CSD and submission	•			292								
	, ICE, CSD and submission	30 days		Wed 5/3/25	797								
		d 1036 days	Fri 14/1/22	Thu 14/11/24									
Works] 205 Engagement of Design Arch	, ICE, CSD and submission  I [Enhancement on Architectural Design & Associate	0 days	Fri 14/1/22	Fri 14/1/22									
	I [Enhancement on Architectural Design & Associate	-			205								
296 Enhancement on Architectu and 2b (Quarry Lake) (CE 0	I [Enhancement on Architectural Design & Associate asign Architectural Firm (CE 005)	n - 10 -1 - :	Tue 4/4/23	Tue 4/4/23	295								
297 AIP and approvals	I [Enhancement on Architectural Design & Associatesign Architectural Firm (CE 005)  Architectual Design & Associated Works at Portions 1a,	2a 0 days	Fri 1/7/22	Sat 1/4/23									
	I [Enhancement on Architectural Design & Associate esign Architectural Firm (CE 005) Architectual Design & Associated Works at Portions 1a, ske) (CE 070)	-			205								
	I [Enhancement on Architectural Design & Associates esign Architectural Firm (CE 005)  Architectual Design & Associated Works at Portions 1a, ake) (CE 070)	275 days	Fri 1/7/22	Wed 30/11/22	295								
299 Production of AIP Drawin	I [Enhancement on Architectural Design & Associatesign Architectural Firm (CE 005)  Architectual Design & Associated Works at Portions 1a, ike) (CE 070)  Is  dscape Master Plan (LMP), Design AIP, GBP approval	<b>275 days</b> 153 days		Sat 1/4/23	298								
300 DSD's AIP approval	a [Enhancement on Architectural Design & Associatesign Architectural Firm (CE 005)  Architectural Design & Associated Works at Portions 1a, ike) (CE 070)  Is  dscape Master Plan (LMP), Design AIP, GBP approval AIP Drawings	275 days		Sat 1/4/23	299								
301 Detailed Design Submissi	a [Enhancement on Architectural Design & Associatesign Architectural Firm (CE 005)  Architectural Design & Associated Works at Portions 1a, ike) (CE 070)  Is  dscape Master Plan (LMP), Design AIP, GBP approval AIP Drawings	<b>275 days</b> 153 days											
302 Statutory submission	a [Enhancement on Architectural Design & Associatesign Architectural Firm (CE 005)  Architectural Design & Associated Works at Portions 1a, ike) (CE 070)  Is  discape Master Plan (LMP), Design AIP, GBP approval AIP Drawings  roval	275 days 153 days 92 days	Sat 1/4/23	Thu 14/11/24									

Based on Revised Programme dated 30 September 2025

China International Water & Electric Corp.

CEDD Contract No. ED/2020/02

2 Oct 2025

Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works

CEDD Contract No. ED/2020/02

Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works

3 Months Rolling Programme (Oct 2025 to Dec 2025)

ID Ta									
, ID I'u	sk Name	Duration	Start	Finish	Predecessors	October 2025		November 2025	December 2025
200	ECD submission for CDD	0 days	Thu 20/44/02	Thu 20/44/02		11 21	1	11   21	1 11 21
303	FSD submission for GBP	0 days	Thu 30/11/23	Thu 30/11/23					
304	WWO542 documment	0 days	Wed 30/8/23	Wed 30/8/23					
305	Civil	46 days	Wed 30/8/23	Sun 15/10/23	300				
306	Underground rain water drainage	0 days	Sun 15/10/23	Sun 15/10/23					
307	Underground watermain	0 days	Wed 30/8/23	Wed 30/8/23					
308	Undergroud sewerage	0 days	Sat 30/9/23	Sat 30/9/23					
309	Irrigation	0 days	Wed 30/8/23	Wed 30/8/23					
	Landscape and Miscellaneous				300				
310	·	101 days	Mon 21/8/23	Thu 30/11/23	300				
311	Landscape	56 days	Mon 21/8/23	Sun 15/10/23					
312	Smart weir system	0 days	Mon 30/10/23	Mon 30/10/23					
313	Flood warning system	0 days	Thu 30/11/23	Thu 30/11/23					
314	Building	473 days	Mon 31/7/23	Thu 14/11/24					
315	A1: Lavatories	473 days	Mon 31/7/23	Thu 14/11/24					
316	Architecture	32 days	Mon 31/7/23	Thu 31/8/23					
		-							
317	Structure	150 days	Sat 7/10/23	Mon 4/3/24					
318	E& M	316 days	Thu 4/1/24	Thu 14/11/24					
319	A2: Management Office Building	458 days	Tue 15/8/23	Thu 14/11/24					
320	Architecture	17 days	Tue 15/8/23	Thu 31/8/23					
321	Structure	220 days	Sat 14/10/23	Mon 20/5/24					
	E& M	214 days	Mon 15/4/24	Thu 14/11/24					
322									
323	B1: Multi-Purpose Building	458 days	Tue 15/8/23	Thu 14/11/24					
324	Architecture	17 days	Tue 15/8/23	Thu 31/8/23					
325	Structure	224 days	Sat 28/10/23	Fri 7/6/24					
326	E& M	251 days	Sat 9/3/24	Thu 14/11/24					
327	B2: TX Room/Lavatories	458 days	Tue 15/8/23	Thu 14/11/24					
	Architecture	29 days	Tue 15/8/23	Tue 12/9/23					
328		-							
329	Structure	199 days	Thu 21/12/23	Sat 6/7/24					
330	E& M	263 days	Mon 26/2/24	Thu 14/11/24					
331	C2: Water Treatment Plant Room	458 days	Tue 15/8/23	Thu 14/11/24					
332	Architecture	17 days	Tue 15/8/23	Thu 31/8/23					
333	Structure	271 days	Sat 7/10/23	Wed 3/7/24					
	E& M	196 days	Fri 3/5/24	Thu 14/11/24					
334					200				
335	Schedule of Accommodation (SoA) Submission	141 days	Sun 2/4/23	Mon 21/8/23	300				
336	Stage 1	56 days	Sun 2/4/23	Sat 27/5/23					
337	Agree SoA with DSD	14 days	Sun 2/4/23	Sat 15/4/23					
338	Workshop	8 days	Sun 16/4/23	Sun 23/4/23	337				
339	GPA submission and approval	34 days	Mon 24/4/23	Sat 27/5/23	338				
340	Stage 2	63 days	Mon 19/6/23	Mon 21/8/23	339				
341	Submission	0 days	Mon 19/6/23	Mon 19/6/23	044				
342	approval	0 days	Mon 21/8/23	Mon 21/8/23	341				
343	DSD's VCAB submission	183 days	Fri 7/4/23	Fri 6/10/23					
344	Stage 1 - AIP	28 days	Fri 7/4/23	Thu 4/5/23					
345	Submission and presentation	8 days	Fri 7/4/23	Fri 14/4/23					
346	Approval	20 days	Sat 15/4/23	Thu 4/5/23	345				
		-			346				
347	Stage 2 - Detailed design	67 days	Tue 1/8/23	Fri 6/10/23	340				
348	Submission and presentation	0 days	Tue 1/8/23	Tue 1/8/23					
349	VCAB meeting	0 days	Thu 7/9/23	Thu 7/9/23	348				
350	Approval	30 days	Thu 7/9/23	Fri 6/10/23	349				
351	Sub-letting (Cost Trimming Scheme)	211 days	Wed 1/3/23	Wed 27/9/23					
352	Drawings for cost estimation	30 days	Wed 1/3/23	Thu 30/3/23	300FS-32 days				
	Tender approval	11 days	Fri 31/3/23	Mon 10/4/23	352				
353									
354	Tender addendum	8 days	Mon 17/4/23	Mon 24/4/23	353				
355	Sub-letting Period	25 days	Tue 4/4/23	Fri 28/4/23	354FS-21 days				
356	Tender Assessment & approval	12 days	Sat 29/4/23	Wed 10/5/23	355				
357	PMI preparation	58 days	Thu 11/5/23	Fri 7/7/23	356				
358	Recost trimming by DSD	21 days	Sat 8/7/23	Fri 28/7/23	357				
359	Resubmission of detailed design	30 days	Tue 8/8/23	Wed 6/9/23	358				
360	Retendering	21 days	Thu 7/9/23	Wed 27/9/23	359				
361	Material submission	181 days	Thu 28/9/23	Tue 26/3/24	360				
362	Method Statements & Temporary Works	792 days	Fri 30/7/21	Fri 29/9/23					
	Prepartion & submission of generic method statement for site formation wo	k 60 days	Tue 1/11/22	Fri 30/12/22					
303			Tue 1/11/22	Fri 30/12/22					
363	Preparation & submission of generic method statement for earth slope wor		140 1/11/44	111 001 14144	1				
364 365	Preparation & submission of generic method statement for earth slope wor Preparation & submission of generic method statement for retaining wall		Wed 1/6/22	Sat 30/7/22		I I			

China International Water & Electric Corp.

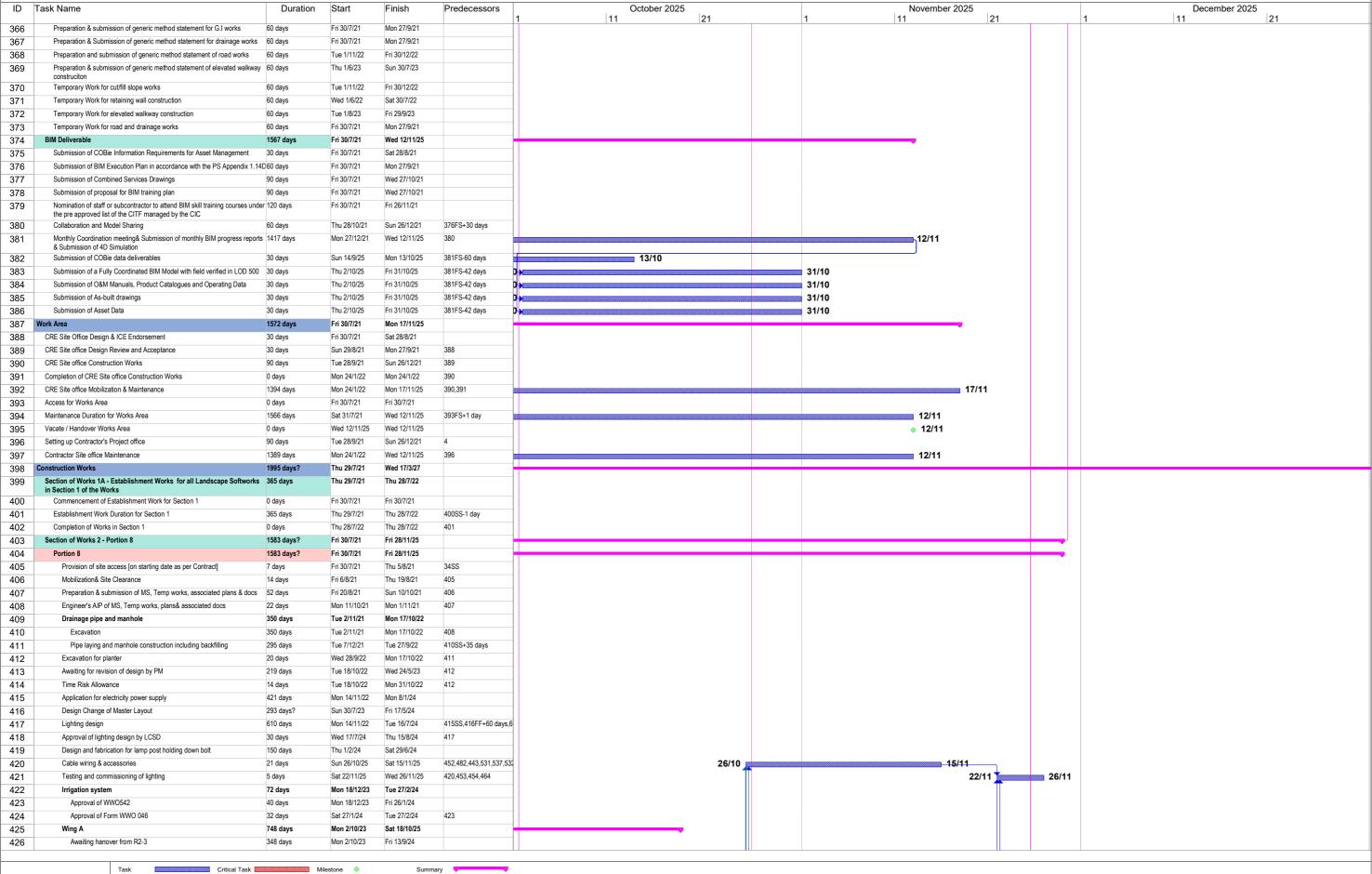
CEDD Contract No. ED/2020/02

Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works

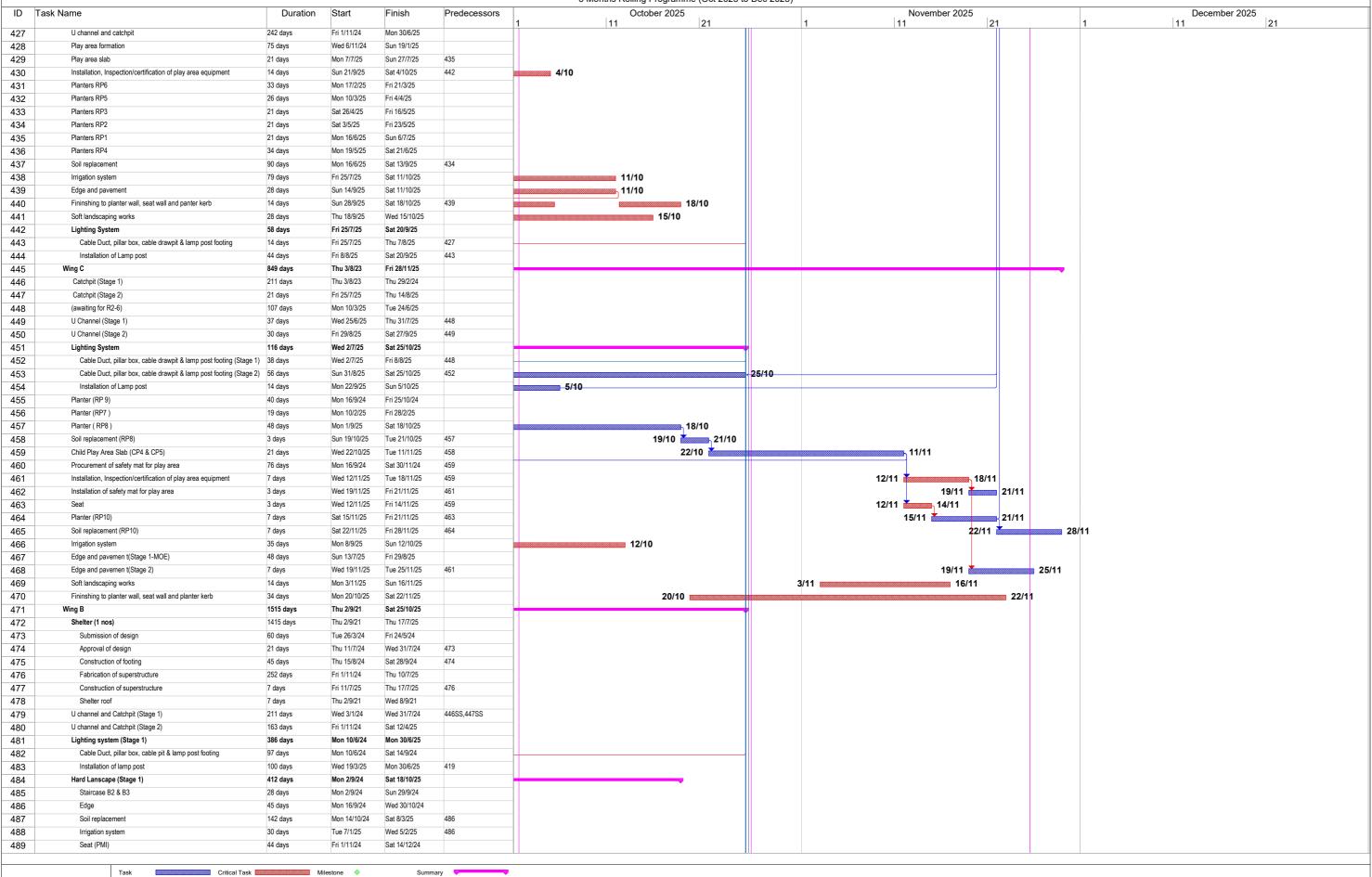
CEDD Contract No. ED/2020/02

Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works
3 Months Rolling Programme (Oct 2025 to Dec 2025)

rs October 2025



## 3 Months Rolling Programme (Oct 2025 to Dec 2025)



China Intern	ational Water & Electric Corp.				De	CEDD Contract No. ED/202 evelopment of Anderson Road Quarry Site - Infrastructur 3 Months Rolling Programme (Oct 202	e, Greening and Landscap	e Works	2 Oct
ID Task	Name	Duration	Start	Finish	Predecessors	October 2025	1	November 2025	December 2025
490	Staircase B5 & B6	41 days	Wed 9/10/24	Mon 18/11/24			<u> </u>	1	
491	Staircase B4 (PMI)	18 days	Fri 1/11/24	Mon 18/11/24					
492	pavement	104 days	Mon 10/3/25	Sat 21/6/25					
493	Fiinshing to planter wall, seat wall and planter kerb	195 days	Mon 7/4/25	Sat 18/10/25		18/10			
494	Open tender for play area equipment	41 days	Mon 2/9/24	Thu 31/10/24					
	Design Submission for play area equipment		Mon 14/10/24	Tue 12/11/24	494	_			
495		30 days							
496	Procurement of safety mat and equipment for play area	122 days	Mon 30/12/24	Wed 30/4/25	495				
497	Play area slab	70 days	Sat 15/3/25	Fri 23/5/25	495				
498	Installation, Inspection/certification of for play equipment	77 days	Mon 23/6/25	Sat 18/10/25		18/10			
499	Soft landscaping works	191 days	Mon 24/3/25	Tue 30/9/25		30/9			
500	Hard Lanscape (Stage 2 )	359 days	Fri 1/11/24	Sat 25/10/25		-  -	<del> </del>		
501	Irrigation system	14 days	Fri 1/11/24	Thu 14/11/24		-			
502	Staircase B1	28 days	Mon 6/1/25	Sun 2/2/25	501				
503	Edge	148 days	Mon 3/2/25	Mon 30/6/25	502	-			
504	Soil replacement	7 days	Mon 17/2/25	Fri 28/3/25	503				
505	pavement	86 days	Fri 18/7/25	Sat 11/10/25	477	11/10			
506	Fiinshing to planter wall, seat wall and planter kerb	28 days	Sun 28/9/25	Sat 25/10/25			25/10		
507	Soft landscaping works	14 days	Mon 11/8/25	Sun 24/8/25					
508	Hard Lanscape (Stage 3 Intersaction area)	359 days	Fri 1/11/24	Sat 25/10/25			<del> </del>		
509	Shelter (1 nos)	289 days	Fri 1/11/24	Sat 16/8/25		1			
510	Construction of footing	14 days	Mon 16/6/25	Sun 29/6/25		1			
511	Fabrication of superstructure	252 days	Fri 1/11/24	Thu 10/7/25					
512	Construction of superstructure	37 days	Fri 11/7/25	Sat 16/8/25	511	-			
513	Dwarf Wall DW26	28 days	Mon 17/3/25	Sun 13/4/25	011	-			
514	Staircase B7	14 days	Thu 2/1/25	Wed 15/1/25					
515	Edge	14 days	Mon 24/3/25	Sun 6/4/25	514				
516	Soil replacement	7 days	Mon 7/4/25	Sun 13/4/25	515				
517	Irrigation system	14 days	Mon 14/4/25	Sun 27/4/25	516				
518	pavement	14 days	Mon 28/4/25	Sun 11/5/25	517				
519	Fiinshing to planter wall, seat wall and planter kerb	167 days	Mon 12/5/25	Sat 25/10/25			25/10		
520	Soft landscaping works	49 days	Sun 6/7/25	Sat 23/8/25	518	-			
521	Wing D	1521 days	Thu 2/9/21	Fri 31/10/25					
522	Shelter (2 nos)	1452 days	Thu 2/9/21	Sat 23/8/25		-			
523	Construction of footing	28 days	Mon 2/9/24	Sun 29/9/24		-			
524	Fabrication of superstructure	45 days	Fri 1/11/24	Sun 15/12/24					
	Construction of superstructure	-	Mon 26/5/25	Sat 23/8/25					
525	<u>'</u>	90 days							
526	Shelter roof	7 days	Thu 2/9/21	Wed 8/9/21					
527	U channel and Catchpit (Stage 1, near Site E-1)	46 days	Tue 30/1/24	Fri 15/3/24					
528	U channel and Catchpit (Stage 2)	221 days	Fri 1/11/24						
529	Dwarf Wall DW24 & DW25	28 days	Mon 2/9/24	Mon 30/9/24					
530	Lighting system	425 days	Tue 2/7/24	Sat 30/8/25					
531	Cable Duct	125 days	Tue 2/7/24	Sun 3/11/24		1	_		
532	cable pit	125 days	Tue 2/7/24	Sun 3/11/24		-	_		
533	Cable Duct (Intersection area)	22 days	Sat 9/8/25	Sat 30/8/25		11			
534	cable pit (Intersection Area)	22 days	Sat 9/8/25	Sat 30/8/25		1			
535	Lamp post footing	125 days	Tue 2/7/24	Sun 3/11/24		-			
536	Installation of lamp post	112 days	Sun 4/5/25	Sat 23/8/25		-			
	Pillar Box		Mon 2/12/24	Thu 30/1/25		-			
537		60 days				-			
538	Irrigation system	45 days	Mon 2/12/24			41			
539	Retainning Wall	671 days	Tue 30/8/22	Sun 30/6/24					
558	Staircase D1	30 days	Tue 2/7/24	Wed 31/7/24					
559	Staircase D2 & D3	30 days	Wed 2/10/24	Thu 31/10/24					
560	Planter(community garden)	166 days	Mon 4/11/24	Fri 18/4/25					
561	Edge	75 days	Mon 4/11/24	Fri 17/1/25		1			
562	Planter/Seat	80 days	Thu 2/1/25	Sat 22/3/25		-			
			Fri 3/1/25	Mon 24/3/25	562	-			
	Soil replacement	67.5 days							
563	Soil replacement	67.5 days		Mod 30/4/2E			The state of the s		
564	irrigation	108 days	Mon 13/1/25	Wed 30/4/25		40/40			
564 565	irrigation pavement	108 days 251 days	Mon 13/1/25 Mon 10/2/25	Sat 18/10/25		18/10			
564 565 566	irrigation pavement Finishing to planter wall, seat wall and planter kerb	108 days 251 days 215 days	Mon 13/1/25 Mon 10/2/25 Tue 25/3/25	Sat 18/10/25 Sat 25/10/25			25/10		
564 565 566 567	irrigation pavement Finishing to planter wall, seat wall and planter kerb Tree Plaza	108 days 251 days 215 days 34 days	Mon 13/1/25 Mon 10/2/25 Tue 25/3/25 Mon 8/9/25	Sat 18/10/25 Sat 25/10/25 Sat 11/10/25					
564 565 566	irrigation pavement Finishing to planter wall, seat wall and planter kerb	108 days 251 days 215 days	Mon 13/1/25 Mon 10/2/25 Tue 25/3/25	Sat 18/10/25 Sat 25/10/25			25/10		
564 565 566 567	irrigation pavement Finishing to planter wall, seat wall and planter kerb Tree Plaza	108 days 251 days 215 days 34 days	Mon 13/1/25 Mon 10/2/25 Tue 25/3/25 Mon 8/9/25	Sat 18/10/25 Sat 25/10/25 Sat 11/10/25	568				

Task Critical Task Milestone

Summary

# CEDD Contract No. ED/2020/02 Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works 3 Months Rolling Programme (Oct 2025 to Dec 2025)

T	sk Name	Duration	Start	Finish	Predecessors	October 2025	21		1	November 2025		December 2025
+	Store room design	72 days	Fri 3/1/25	Sat 15/3/25		11	21		1	11 21		1   11
	<del>-</del>	7 days	Mon 16/6/25	Sun 22/6/25								
	Store room installation	12 days	Mon 28/7/25	Fri 8/8/25	572							
+	Store room E & M	7 days	Mon 15/9/25	Sun 21/9/25	01 L							
		·										
		5 days	Sun 26/10/25	Thu 30/10/25	450							
		5 days	Sun 26/10/25	Thu 30/10/25	453		26/10	3	U/1U			
	Section of Works 2A - Establishment Works for all Landscape Softworks in Section 2 of the Works	365 days	Sat 1/11/25	Mon 21/12/26				•			<del></del>	
-		0 days	Sat 1/11/25	Sat 1/11/25	521FF+1 day	(			<b>1/11</b>			
)	Establishment Work Duration for Section 2	365 days	Sat 1/11/25	Mon 21/12/26	578SS-1 day	(		1/11				
		0 days	Mon 21/12/26	Mon 21/12/26	579	(		1/119				
		•			5/9	(						
	Section of Works 3 - Portions 1b, 3, 4, 5	763 days	Fri 30/7/21	Thu 31/8/23								
2		276 days	Tue 29/11/22	Thu 31/8/23		(						
		7 days	Tue 29/11/22	Mon 5/12/22	46SS	(						
	Mobilization& Site Clearance	14 days	Tue 6/12/22	Mon 19/12/22	583	(						
5	Time Risk Allowance	7 days	Tue 20/12/22	Mon 26/12/22	584							
	PMI 066	50 days	Thu 13/7/23	Thu 31/8/23								
$^{\dagger}$	Sewerage pipes and manholes	50 days	Thu 13/7/23	Thu 31/8/23	585							
+		50 days	Thu 13/7/23	Thu 31/8/23	587SS							
+	Laying of 75mm thick milled asphalt chips	7 days	Fri 25/8/23	Thu 31/8/23	588FF							
+	Lighting	163 days	Wed 22/3/23	Thu 31/8/23	1							
+		-	Wed 22/3/23	Mon 12/6/23								
+	Application for electricity power supply	83 days			50400							
L	Lighting design	140 days	Wed 22/3/23	Tue 8/8/23	591SS							
L		23 days	Wed 9/8/23	Thu 31/8/23	592,588FF							
	Portion 3	702 days	Wed 29/9/21	Thu 31/8/23								
	Access date	0 days	Wed 29/9/21	Wed 29/9/21	51SS							
	Deferred possession (CE 004 & 006)	61 days	Wed 29/9/21	Sun 28/11/21								
$^{\dagger}$	Provision of site access	7 days	Mon 29/11/21	Sun 5/12/21	596							
+	Mobilization& Site Clearance	14 days	Mon 6/12/21	Sun 19/12/21	597							
+	Preparation& submission of MS, Temp works, associated plans & docs	52 days	Mon 20/12/21	Wed 9/2/22	598							
+		21 days	Thu 10/2/22	Wed 2/3/22	599							
	Installation of chain link fencing	92 days	Thu 1/6/23	Thu 31/8/23	600							
		30 days	Wed 2/8/23	Thu 31/8/23								
+	GI works (PMI 006)	7 days	Wed 2/6/23 Mon 3/10/22	Sun 9/10/22								
+	· · · · · · · · · · · · · · · · · · ·				C04EE C02EE							
		30 days	Wed 2/8/23	Thu 31/8/23	601FF,602FF							
	Portion 4	763 days	Fri 30/7/21	Thu 31/8/23								
$\perp$		7 days	Fri 30/7/21	Thu 5/8/21	56SS							
	Soft landscaping works - hydroseeding	30 days	Wed 2/8/23	Thu 31/8/23	602FF,611FF							
	GI works (PMI 006)	10 days	Mon 10/10/22	Wed 19/10/22	603							
1	Portion 5	551 days	Sun 27/2/22	Thu 31/8/23								
T	Provision of site access [212 days after starting date as per Contract]	7 days	Sun 27/2/22	Sat 5/3/22	61SS							
	Soft landscaping works - hydroseeding	30 days	Wed 2/8/23	Thu 31/8/23								
		31 days	Tue 1/8/23	Thu 31/8/23	611FF							
	Section of Works 3A - Establishment Works for all Landscape Softworks		Fri 1/9/23	Fri 30/8/24								
	in Section 3 of the Works			55,5,27								
1	Section of Works 4 - Portions 6, 12	1994 days?	Fri 30/7/21	Wed 17/3/27								
7	Portion 6	1366 days?	Sat 29/1/22	Sat 25/10/25			-					
Г	Provision of site access [183 days after starting date as per Contract]	0 days	Sat 29/1/22	Sat 29/1/22	73SS							
t	Deferred possession	81 days	Sat 29/1/22	Tue 19/4/22	619							
+		14 days	Wed 20/4/22	Tue 3/5/22	620							
+		0 days	Wed 14/9/22		621							
		0 days	Fri 14/10/22	Fri 14/10/22	621							
	Application for electricity power supply	421 days	Mon 14/11/22	Mon 8/1/24	415SS							
	Design Change of Layout (PMI-085)	1 day	Wed 5/7/23	Wed 5/7/23								
	Park Lighting Design	612 days	Mon 14/11/22	Wed 17/7/24	624SS							
	Approval of lighting design by LCSD	30 days	Thu 18/7/24	Fri 16/8/24	626							
T	Time Risk Allowance	14 days	Fri 14/10/22	Thu 27/10/22	627							
	Retaining wall RWA20	618 days	Tue 2/5/23	Wed 8/1/25								
)		112 days	Tue 2/5/23	Mon 21/8/23								
1	Blinding layer	110 days	Tue 9/5/23	Sat 26/8/23	630SS+7 days							
2	Base slab (21 bays)	169 days	Tue 16/5/23	Tue 31/10/23	631SS+7 days							
3	Wall stem (21 bays)	136 days	Mon 3/7/23	Wed 15/11/23	632SS+10 days							
	Additional Sewage System (PMI 086)											
		170 days	Thu 30/11/23	Fri 17/5/24	633	1						
1 5		30 days	Sat 18/5/24	Sun 16/6/24	634						1	

CEDD Contract No. ED/2020/02

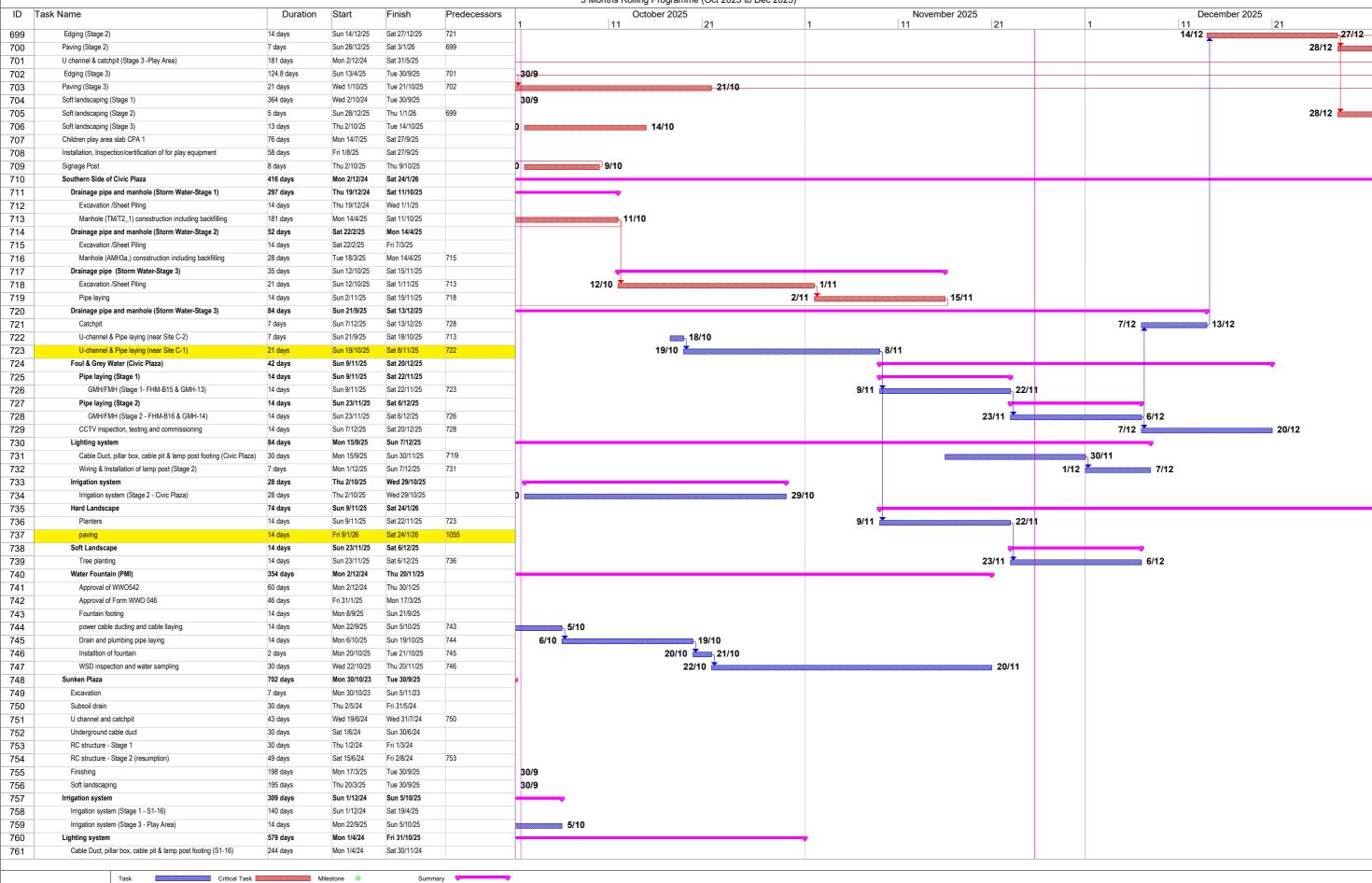
Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works

3 Months Rolling Programme (Oct 2025 to Dec 2025) China International Water & Electric Corp. 2 Oct 2025

						3 Months Rolling Programme (Oct 2025 to Dec 2025)
ID T	ask Name	Duration	Start	Finish	Predecessors	October 2025 November 2025 December 2025
636	pipe laying and drainage structure (Stage 1)	183 days	Wed 31/1/24	Wed 31/7/24		1   11   21   1   11   21   1   11   21
637	pipe laying and drainage structure (Stage 2)	7 days	Thu 2/1/25	Wed 8/1/25		
638	Backfilling (15 layers)		Tue 16/4/24	Sat 10/8/24		
639	Retaining wall RWA19	382 days?	Fri 1/12/23	Mon 16/12/24		
640	Blinding layer (1-13)	-	Fri 1/12/23	Sun 14/1/24		
	Base slab (1-13)	50 days	Mon 18/12/23	Mon 5/2/24	640SS+5 days	
641		-			-	
642	Wall stem (1-13)	59 days	Tue 2/1/24	Thu 29/2/24	641SS+9 days	
643	pipe laying and drainage structure	30 days	Thu 1/8/24	Fri 30/8/24		
644	Backfilling (1-11)	69 days	Mon 2/9/24	Sat 9/11/24		
645	Blinding layer (14-18)	28 days	Sat 4/5/24	Fri 31/5/24		
646	Base slab (14-18)	•	Sun 5/5/24	Sat 1/6/24		
647	Wall stem (14-18)	45 days	Thu 9/5/24	Sat 22/6/24		
648	Pipe Laying and Drainage Structure (12-18)	148 days?	Mon 22/7/24	Mon 16/12/24		
649	Backfilling (12-18)	71 days	Mon 2/9/24	Mon 11/11/24		
650	Railing for RWA 19 & 20	177 days	Fri 2/5/25	Sat 25/10/25		25/10
651	U channel & catchpit (1-11)	113 days	Mon 10/6/24	Mon 30/9/24		
652	U channel & catchpit (12-18)	232 days	Sat 2/11/24	Sat 21/6/25		
653	edging (1-11)	144 days	Mon 10/6/24	Thu 31/10/24		
654	edging (12-18)	6 days	Mon 18/11/24	Sat 23/11/24		
655	pavement	222 days	Mon 9/9/24	Sat 19/7/25		
656	Finsihing	-	Mon 10/3/25	Sat 25/10/25	654	25/10
657	Soft landscaping works (Stage 1)	24 days	Mon 2/9/24	Wed 25/9/24		
658	Soft landscaping works (Stage 2)	100 days	Mon 23/6/25	Tue 30/9/25		30/9
659	CCTV inspection, testing and commissioning	21 days	Thu 2/10/25	Wed 22/10/25		0 22/10
660	Irrigation system Submission	-	Tue 16/5/23	Wed 30/4/25		
661	Contractor's design	-	Tue 16/5/23	Wed 2/8/23		
	Approval of WWO542	40 days	Wed 1/11/23		661	
662					662	
663	Approval of Form WWO 046	•	Mon 11/12/23	Thu 11/1/24	002	
664	Approval of WWO542 (amendment)	•	Mon 30/12/24	Tue 28/1/25	004	
665	Approval of Form WWO 046 (amendment)	30 days	Wed 29/1/25		664	
666	Irrigation system	163 days	Mon 8/7/24	Wed 30/4/25		
667	Lighting system	486 days	Mon 24/6/24	Wed 22/10/25		
668	Cable Duct, pillar box, cable pit & lamp post footing	311 days	Mon 24/6/24	Wed 30/4/25		
669	Cable wiring & accessories	83 days	Mon 17/2/25	Sat 10/5/25		
670	Installation of lamp post	82 days	Sun 11/5/25		669	
671	Testing and Commissioning of lighting	21 days	Thu 2/10/25	Wed 22/10/25		0 22/10
672	Portion 12	1637 days?	Fri 30/7/21	Sat 24/1/26		
673	Provision of site access [on starting date as per Contract]	7 days	Fri 30/7/21	Thu 5/8/21		
674	Mobilization& Site Clearance	14 days	Fri 6/8/21	Thu 19/8/21		
675	Preparation& submission of MS, Temp works, associated plans & docs	52 days	Fri 20/8/21	Sun 10/10/21		
676	Engineer's AIP of MS, Temp works, plans& associated docs	22 days	Mon 11/10/21	Mon 1/11/21		
677	Additional GI at Portion 12 (PMI 005)	15 days	Wed 1/6/22	Wed 15/6/22		
678	Drainage pipe and manhole	379 days	Tue 2/11/21	Tue 15/11/22		
679	Excavation	364 days	Tue 2/11/21	Mon 31/10/22		
680	Pipe laying and manhole consstruction including backfilling	245 days	Wed 16/3/22	Tue 15/11/22		
681	Dwaf wall construction (Stage 1)	105 days	Wed 16/11/22	Tue 28/2/23		
682	Awaiting for revision of design by PM due to interface	97 days	Wed 1/3/23	Mon 5/6/23		
683	Staircase	-	Tue 15/8/23	Sat 18/10/25		
684	Footing (S1-10)		Tue 15/8/23	Mon 1/4/24		
685	Slab & Vertical Wall (S1-10)		Mon 28/8/23	Sat 11/5/24		
686	Wing Wall		Sun 12/5/24	Sat 20/7/24		
		•	Mon 2/9/24	Sat 20/7/24 Sat 18/10/25		18/10
687	Seat and railing (precast)	412 days				TO/IU
688	Footing (S12-16)	141 days	Mon 13/5/24	Mon 30/9/24		
689	Footing (S11)		Mon 7/10/24	Sun 20/10/24		
690	Slab & Vertical & Wing Wall (S12-15)	-	Fri 31/5/24	Mon 30/9/24	000	
691	Slab & Vertical & Wing Wall (S11)	48 days	Mon 21/10/24		689	
692	Slab & Vertical & Wing Wall (S16)	33 days	Tue 15/4/25	Sat 17/5/25		
693	Dwaft wall (resumption) - Stage 2	286 days	Mon 4/3/24	Sat 14/12/24		
694	Confirmation of recess cover for u channel	1 day	Thu 25/4/24	Thu 25/4/24		
695	U channel & catchpit (Stage 1-S1-16)	239 days	Mon 15/7/24	Mon 10/3/25		
696	Edging (Stage1)	265 days	Mon 26/8/24	Sat 17/5/25		
697	Paving (Stage1)	136 days	Sun 18/5/25	Tue 30/9/25	696	30/9
698	U channel & catchpit (Stage 2- Civic Plaza)	59 days	Fri 18/4/25	Sun 16/11/25	709	16/11
	Task Critical Task	Mile	estone 🔷	Summary		
Dasad	a Pavisad Programma dated 30 Santambar 2025					Page 11 /20

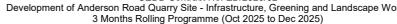
## 3 Months Rolling Programme (Oct 2025 to Dec 2025)

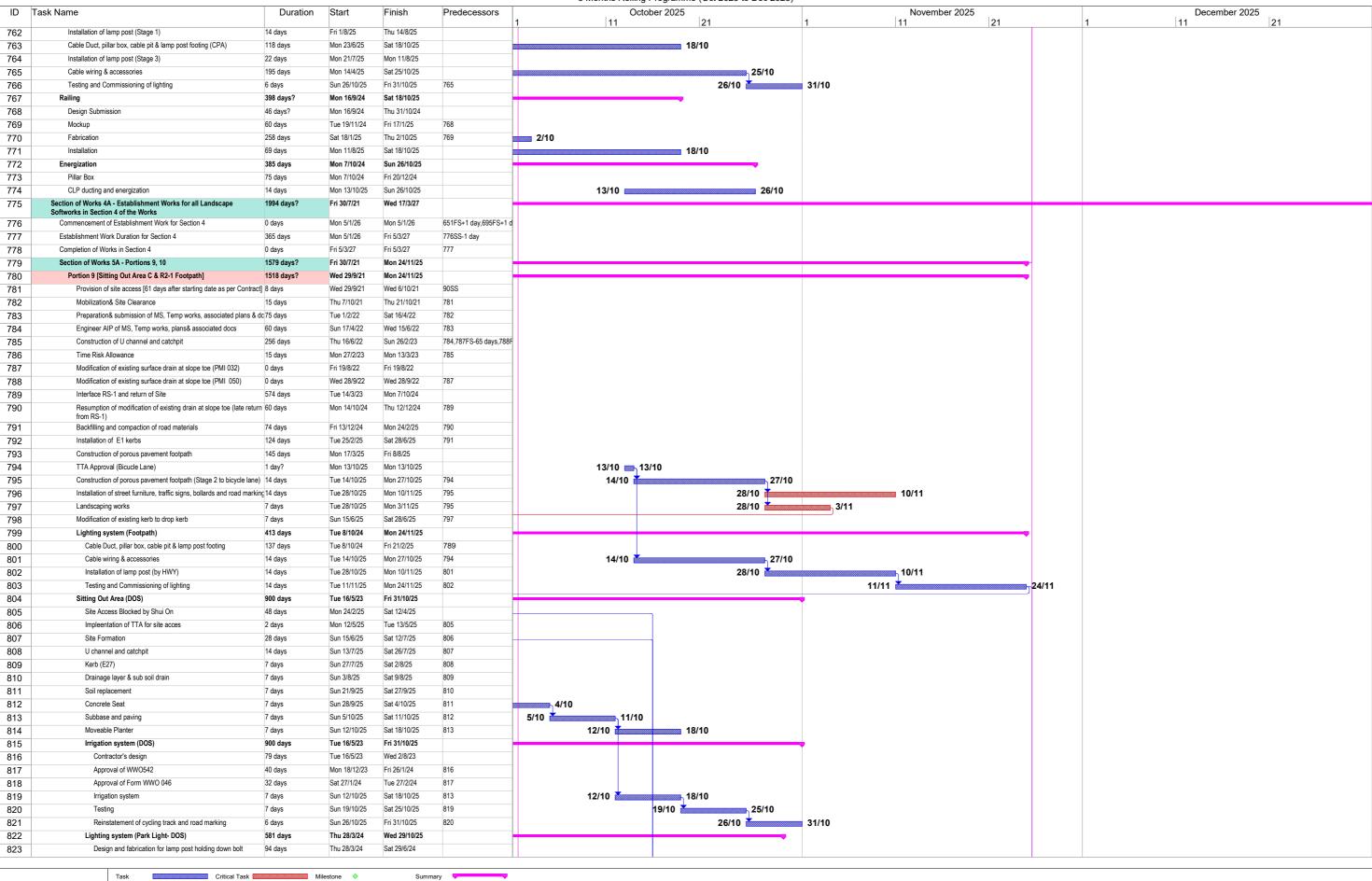
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Based on Revised Programme dated 30 September 2025





China International Water & Electric Corp.

CEDD Contract No. ED/2020/02

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Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works



China International Water & Electric Corp.

CEDD Contract No. ED/2020/02

2 Oct 2025

# CEDD Contract No. ED/2020/02 Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works 3 Months Rolling Programme (Oct 2025 to Dec 2025)

						3 Months Rolling Programme (Oct 2025 to Dec 2025)		
ID Tasl	k Name	Duration	Start	Finish	Predecessors	October 2025	November 2025	December 2025
			= 1 1 1 1 2 2 1			1 11 21	1 11 21	1 11 21
886	Installation of hand railings	7 days	Fri 14/6/24	Thu 20/6/24	885			
887	Slope Works at Feature No. 11NE-D/C1003 (265m)	28 days	Fri 14/6/24	Thu 11/7/24				
888	Removal of disused pipes	21 days	Fri 14/6/24	Thu 4/7/24	885			
889	Installation of hand railings	7 days	Fri 5/7/24	Thu 11/7/24	888			
890	Slope Works at Feature No. 11NE-D/FR657 (63m)	169 days	Thu 25/1/24	Thu 11/7/24				
891	Filling of void with cement soil	7 days	Fri 5/7/24	Thu 11/7/24	888			
892	Repainting of handrailing	140 days	Thu 25/1/24	Wed 12/6/24				
893	Slope Works at Feature No. 11NE-D/C1006 (60m)	57 days	Thu 1/2/24	Thu 28/3/24				
894		28 days	Thu 1/2/24	Wed 28/2/24				
895	Installation of hand railings (~30m)	14 days	Thu 29/2/24	Wed 13/3/24	894			
896	Repainting of handrailing	14 days	Thu 14/3/24	Wed 27/3/24	895			
	Slope Works at Feature No. 11NE-D/C980 (55m)	-	Thu 29/2/24	Tue 11/6/24	093			
897		104 days			004			
898	Construction of concrete berm	14 days	Thu 29/2/24	Wed 13/3/24	894			
899	Installation of hand railings	7 days	Thu 14/3/24	Wed 20/3/24	898			
900	Repainting of handrailing	90 days	Thu 14/3/24	Tue 11/6/24				
901	Slope Works at Feature No. 11NE-D/C174 (70m)	14 days	Thu 14/3/24	Wed 27/3/24				
902	Reinstatement of sprayed concrete	14 days	Thu 14/3/24	Wed 27/3/24	898			
903	Slope Works at Feature No. 11NE-D/C688 (167m)	28 days	Wed 31/1/24	Tue 27/2/24				
904	Constructiion of tree rings x9	28 days	Wed 31/1/24	Tue 27/2/24				
905	Reinstatement of sprayed concrete	7 days	Thu 17/8/23	Wed 23/8/23				
906	Slope Works at Feature No. 11NE-D/C978 (350m)	1441 days	Fri 30/7/21	Wed 9/7/25				
907		8 days	Fri 30/7/21	Fri 6/8/21				
908		8 days	Fri 30/7/21	Fri 6/8/21				
909	<u> </u>	8 days	Wed 2/7/25	Wed 9/7/25				
910	Slope Works at Feature No. 11NE-D/C1004 (375m)	14 days	Wed 2/7/25	Tue 15/7/25				
		-		Tue 15/7/25				
911	Repainting of handrailing	14 days	Wed 2/7/25					
912		760 days	Mon 14/2/22	Thu 14/3/24				
913	Construction of concrete maintenance staircase	19 days	Mon 14/2/22	Fri 4/3/22				
914	Handrailing	14 days	Fri 1/3/24	Thu 14/3/24				
915		1994 days?	Fri 30/7/21	Wed 17/3/27				
916	Softworks in Section 5A of the Works  Commencement of Establishment Work for Section 5A	0 days	Wed 1/10/25	Wed 1/10/25	828FF+1 day	<b>1/10</b>		
	Establishment Work Duration for Section 5A	365 days	Wed 1/10/25	Sat 14/11/26	916SS-1 day	1/10		
917		•			91033-1 day			
918	Completion of Works in Section 5A	0 days	Sat 14/11/26	Sat 14/11/26	917			
919	Section of Works 5B - Portion 11	1367 days	Sun 27/2/22	Mon 24/11/25				7
920	Portion 11	1367 days	Sun 27/2/22	Mon 24/11/25				<b>'</b>
921	Provision of site access [212 days after starting date as per Cont		Sun 27/2/22	Sun 27/2/22				
922	Portion 9 delay (Handover site to other Contractor)	231.47 days	Tue 14/3/23	Sat 31/8/24				
923	Provision of site access and stockpile area for works at Portion 9	1 day	Mon 7/10/24	Mon 7/10/24	803			
924	TTA	1 day	Mon 13/10/25	Mon 13/10/25		13/10 🔤 13/10		
925	UU works	21 days	Tue 14/10/25	Mon 3/11/25	924	14/10 📩	3/11	
926	Kerb and Finsishing	7 days	Tue 18/11/25	Mon 24/11/25	925,803FF		18/11	24/11
927	Section of Works 6 - Portion 7	494 days	Tue 29/11/22	Fri 5/4/24				
928	Portion 7	494 days	Tue 29/11/22	Fri 5/4/24				
929		0 days	Tue 29/11/22	Tue 29/11/22	112SS			
930	Deferred possession (PMI 58)	90 days	Tue 29/11/22	Sun 26/2/23	929			
931	Provision of site access	7 days	Mon 27/2/23	Sun 5/3/23	930			
932	Mobilization& Site Clearance	60 days	Mon 6/3/23	Thu 4/5/23	931			
932		15 days	Fri 5/5/23	Fri 19/5/23	932			
			Fri 1/12/23	Sat 30/12/23	932,933			
934	<u> </u>	30 days			932,933			
935	Construction of U-channels with cover and catchpits	30 days	Sun 31/12/23	Mon 29/1/24	334			
936	Road Paving work and asscociates street furniture	15 days	Tue 19/3/24	Fri 5/4/24				
937	Soft landscaping works	10 days	Wed 20/3/24	Fri 29/3/24				
938	Irrigation system	196 days	Sat 16/9/23	Fri 29/3/24				
939	Contractor's design	45 days	Sat 16/9/23	Mon 30/10/23				
940	Approval of WWO542	30 days	Wed 1/11/23	Thu 30/11/23	939			
941	Approval of Form WWO 046	21 days	Fri 1/12/23	Thu 21/12/23	940			
942	Underground water supply for irrigation	10 days	Fri 22/12/23	Sun 31/12/23	941			
943	Irrigation system	10 days	Fri 1/3/24	Sun 10/3/24				
944	Modification of Manhole and catchpits	12 days	Mon 18/3/24	Fri 29/3/24				
945	<u> </u>	858 days	Tue 29/11/22	Fri 4/4/25				
340	Softworks in Section 6 of the Works							
946	Commencement of Establishment Work for Section 6	0 days	Tue 29/11/22	Tue 29/11/22				
947	Completion of Works in Section 6	0 days	Fri 5/4/24	Fri 5/4/24	946			
			*					
	Task Critical Task	Mil	lestone 🔷	Summa	y 🔻			
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China International Water & Electric Corp.

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Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works

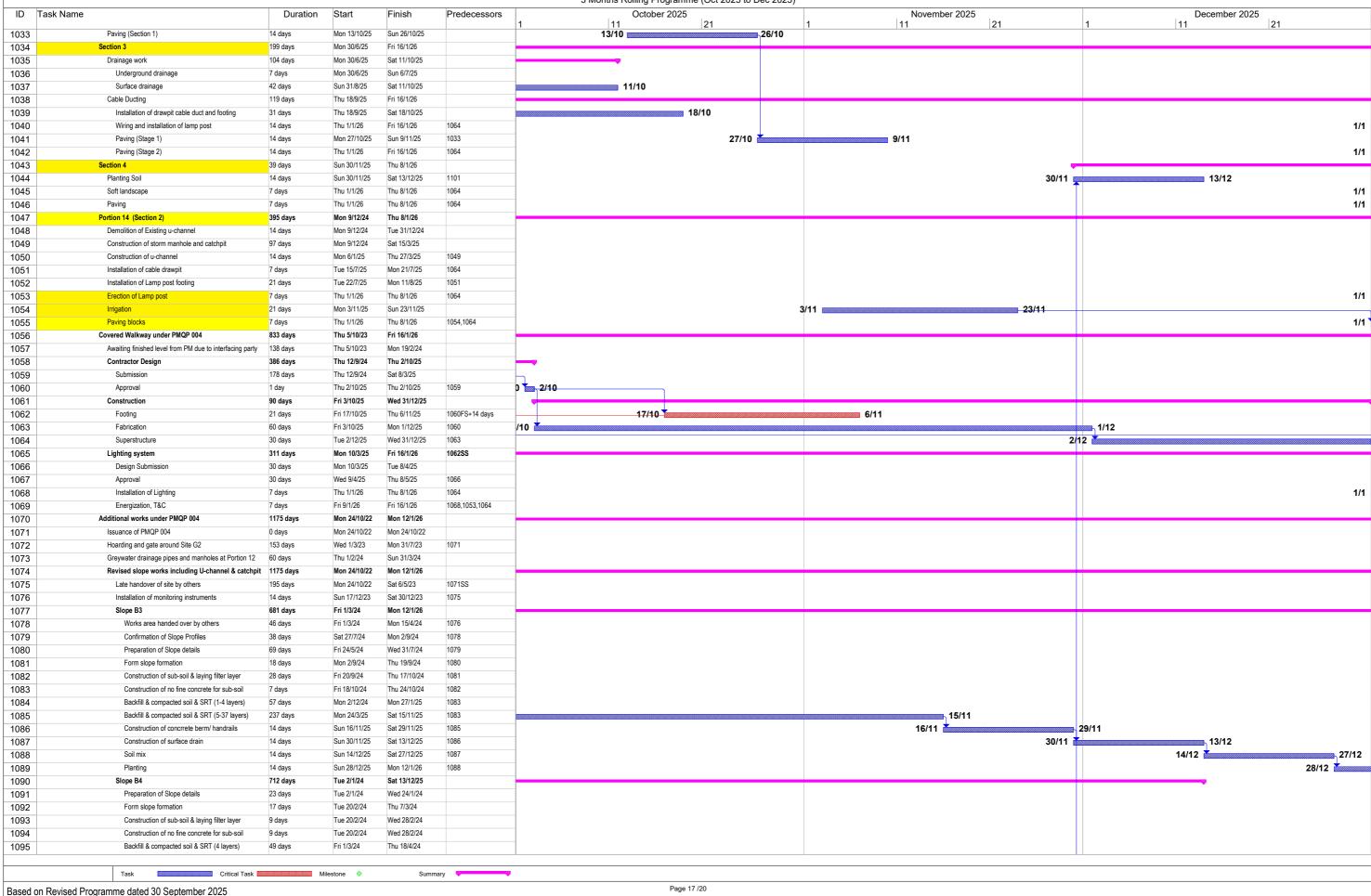
3 Months Rolling Programme (Oct 2025 to Dec 2025) October 2025 ID Task Name Duration Start Finish Predecessors November 2025 December 2025 11 21 111 Establishment Work Duration for Section 6 Fri 5/4/24 Fri 4/4/25 948 365 days 949 Section of Works 7A - Portions 13a, 14 (DELETED) Fri 30/7/21 Sun 20/11/22 Section of Works 7AI - Establishment Works for all Landscape Softworks in Section 7A of the Works (DELETED) 973 Fri 30/7/21 Fri 29/7/22 974 Fri 30/7/21 Fri 30/7/21 Commencement of Establishment Work for Section 7A 0 days Fri 30/7/21 Fri 29/7/22 975 Establishment Work Duration for Section 7A 365 days 976 Completion of Works in Section 7A 0 days Fri 29/7/22 Fri 29/7/22 975 977 Section of Works 7B - Portions 13b. 15 1419 days Sat 26/2/22 Fri 16/1/26 978 1419 days Sat 26/2/22 Fri 16/1/26 Portion 13b & 15 979 Provision of site access [212 days after starting date as per Contr 7 days Sun 27/2/22 Sat 5/3/22 980 52 days Sat 26/2/22 Mon 18/4/22 135SS 981 Mobilization& Site Clearance 21 days Tue 19/4/22 Mon 9/5/22 980 Tue 10/5/22 982 Time Risk Allowance 15 days Tue 24/5/22 981.365 1331 days Wed 25/5/22 983 Fri 16/1/26 Portion 13b 982 984 Elevated walkway 1281 days Wed 25/5/22 Tue 25/11/25 985 Modification of existing retaining wall RWA10 (PMI 033) 60 days Wed 25/5/22 Sat 23/7/22 981,365 986 Modification of existing retaining wall RWA9 & 10 447 days Sun 24/7/22 Fri 13/10/23 981.365.982.985 Wall RWA10 Fri 13/10/23 987 447 days Sun 24/7/22 100 days 988 Excavation Sun 24/7/22 Mon 31/10/22 989 Cutting away existing coping by wire sawing machine 75 days Tue 1/11/22 Sat 14/1/23 988 990 Hacking away existing wall stem by hydraulic breaker (existing vertical bar to be retained for 45 days Sun 15/1/23 Tue 28/2/23 989 Mon 17/7/23 991 86 days Tue 10/10/23 990 Construction of new RC wall stem 992 4 days Tue 10/10/23 Fri 13/10/23 993 Wall RWA9 165 days Thu 16/3/23 Sun 27/8/23 994 Excavation 15 days Thu 16/3/23 Thu 30/3/23 990FS+15 days 995 60 days 994 Fri 31/3/23 Mon 29/5/23 Hacking away existing wall stem by hydraulic breaker (existing vertical bar to be retained for 996 Sat 10/6/23 Wed 23/8/23 Construction of new RC wall stem 75 days 997 Backfilling 4 days Thu 24/8/23 Sun 27/8/23 996 998 Bearing 252 days Thu 16/3/23 Wed 22/11/23 999 30 days Thu 16/3/23 Material submission for appproval Fri 14/4/23 1000 106 days Sat 15/4/23 Sat 29/7/23 Fabrication 1001 Testing 29 days Sun 30/7/23 Sun 27/8/23 1000 1002 Installation 7 days Wed 1/11/23 Tue 7/11/23 1001 992 997 1003 Wed 8/11/23 Wed 22/11/23 1002 Grouting to bearing bases and curing 15 days 1004 536 days Wed 7/6/23 Sat 23/11/24 Precast beams 1005 Submission for approval 78 days Wed 7/6/23 Wed 23/8/23 1006 Fabrication 58 days Wed 4/10/23 Thu 30/11/23 1005 1007 Post-tensioning and grouting 59 days Tue 31/10/23 Thu 28/12/23 1006FS-31 days Fri 29/12/23 1007 1008 Sun 31/12/23 Capping ends 3 days Mon 15/1/24 1008,1003 1009 Installation 10 days Wed 24/1/24 1010 Grouting to bearing tops and curing 15 days Thu 25/1/24 Thu 8/2/24 1009 1011 Fabrication of permanent formwork 30 days Fri 1/3/24 Sat 30/3/24 1011 1012 31 days Sun 31/3/24 Tue 30/4/24 Installation of permanent formwork (stage 1) 1013 15 days Wed 1/5/24 Wed 15/5/24 Casting of in-situ tie beams & slab (Stage 1) 1014 7 days Thu 16/5/24 Wed 22/5/24 1013 1015 Edge beam painting suspended due to inclement weather 3 days Wed 19/6/24 Fri 21/6/24 1014 1016 Sat 22/6/24 1015 Edge beam painting (Stage 1) 3 days Mon 24/6/24 1017 Stage 2 TTA & Falsework 13 days Fri 19/7/24 Wed 31/7/24 1016 1018 21 days Thu 1/8/24 Wed 21/8/24 1017 Installation of permanent formwork (stage 2) 1019 Casting of in-situ tie beams & slab (Stage 2) 28 days Thu 1/8/24 Wed 28/8/24 1017 1020 Removal of Formwork (Stage 2) 4 days Thu 29/8/24 Sun 1/9/24 1019 1021 Mon 23/9/24 Wed 25/9/24 Edge beam painting (Stage 2) 3 days Mon 30/9/24 1022 Removal of Falsework and TTA 6 days Wed 25/9/24 1023 Planters design submission 64 days Mon 7/10/24 Mon 9/12/24 1024 Planters construction 69 days Mon 19/5/25 Sat 26/7/25 1025 U-channels 14 days Sun 28/9/25 Sat 11/10/25 11/10 1026 7 days Sun 12/10/25 Sat 18/10/25 1025 18/10 movement joint 1027 soft lanscape 7 days Sun 19/10/25 Sat 25/10/25 1026 19/10 25/10 1028 Finsihing on Planters 14 days Sun 26/10/25 Sat 8/11/25 1027 26/10 8/11 1029 21 days 1026 Paving Sun 19/10/25 Sat 8/11/25 19/10 **8/11** 1030 30 days Railing Design Mon 15/9/25 Tue 14/10/25 14/10 Railing fabrication 28 days Wed 15/10/25 Tue 11/11/25 1030 15/10 1031 11/11 1032 Railing Installtion 14 days Wed 12/11/25 Tue 25/11/25 1031 12/11 25/11

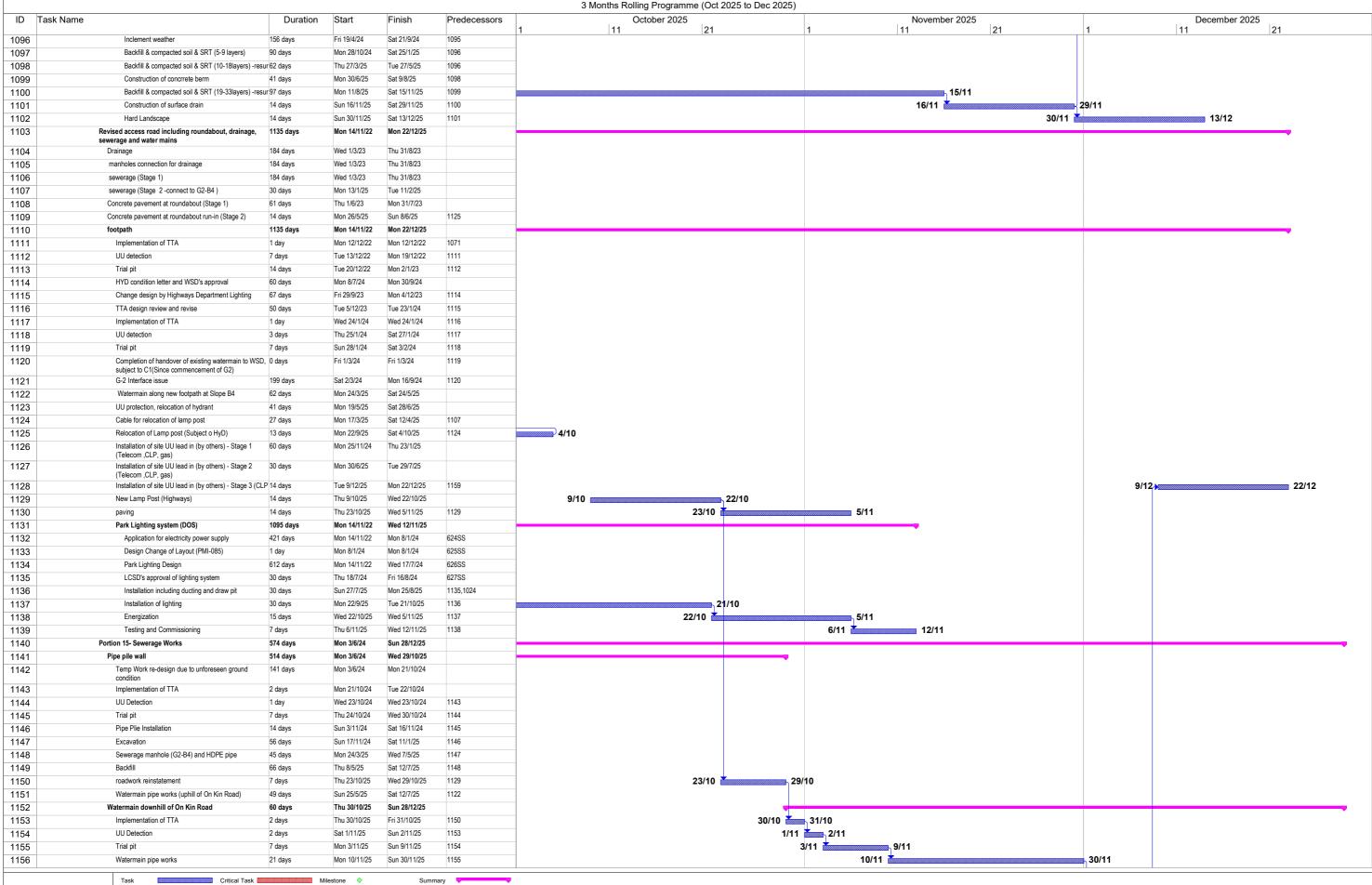
Task

Critical Task

Milestone 🔷

## Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works 3 Months Rolling Programme (Oct 2025 to Dec 2025)





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# CEDD Contract No. ED/2020/02 Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works 3 Months Rolling Programme (Oct 2025 to Dec 2025)

						3 Months Rolling Programme (Oct 2025 to Dec 2025)			
ID Task N	Name	Duration	Start	Finish	Predecessors	October 2025		November 2025	December 2025
4457	WOD	44 days	M 4/40/05	0 44/40/05	4450	1 11 21	1	11 21	1 11 21
1157		14 days	Mon 1/12/25	Sun 14/12/25	1156			1/12	
1158		7 days	Mon 15/12/25	Sun 21/12/25	1157				15/12 21/12
1159		7 days	Mon 22/12/25	Sun 28/12/25	1158				22/12 28/12
1160		699 days	Fri 19/5/23	Wed 16/4/25					
1161	<del>-</del>	76 days	Fri 19/5/23	Wed 2/8/23					
1162	Approval of WWO542	30 days	Thu 3/8/23	Fri 1/9/23	1161				
1163	Approval of Form WWO 046	21 days	Sat 2/9/23	Fri 22/9/23	1162				
1164	Underground water supply for irrigation	60 days	Sat 23/9/23	Tue 21/11/23					
1165	Irrigation system	45 days	Mon 3/3/25	Wed 16/4/25					
1166		1994 days?	Fri 30/7/21	Wed 17/3/27					
1167	Softworks in Section 7B of the Works  Commencement of Establishment Work for Section 7B	0 days	Fri 16/1/26	Fri 16/1/26	983				
1168		365 days	Fri 16/1/26	Wed 17/3/27	1167SS-1 day				
1169		0 days	Wed 17/3/27	Wed 17/3/27	1168				
1170	<u> </u>	556 days	Thu 16/6/22	Sat 23/12/23	1100				
1171		556 days	Thu 16/6/22	Sat 23/12/23					
		-			15100				
1172	Site access date [321 days after starting date as per Contract]	-	Thu 16/6/22	Thu 16/6/22	151SS				
1173		24 days	Thu 16/6/22	Sat 9/7/22	1172				
1174		350 days	Thu 16/6/22	Wed 31/5/23	1173				
1175		4 days	Thu 1/6/23	Sun 4/6/23	1174				
1176		45 days	Mon 5/6/23	Wed 19/7/23	1175				
1177		90 days	Thu 20/7/23	Tue 17/10/23	1176				
1178	·	80 days	Sun 30/7/23	Tue 17/10/23	1177FF				
1179		45 days	Wed 18/10/23	Fri 1/12/23	1177				
1180		22 days	Sat 2/12/23	Sat 23/12/23	1179				
1181		30 days	Fri 24/11/23	Sat 23/12/23	1179FF				
1182		78 days	Mon 2/10/23	Mon 18/12/23					
1183	Section of Works 8A - Establishment Works for all Landscape Softworks in Section 8 of the Works	365 days	Fri 27/9/24	Fri 26/9/25					
1184	Commencement of Establishment Work for Section 8	0 days	Fri 27/9/24	Fri 27/9/24	1185SS				
1185	Establishment Work Duration for Section 8	365 days	Fri 27/9/24	Fri 26/9/25	1180				
1186	Completion of Works in Section 8	0 days	Fri 26/9/25	Fri 26/9/25	1185FF				
1187	Section of Works 9 - Portion 17	1494 days	Fri 30/7/21	Sun 31/8/25					
1188	Portion 17	1494 days	Fri 30/7/21	Sun 31/8/25					
1189	Provision of site access [212 days after starting date as per	0 days	Sun 27/2/22	Sun 27/2/22	162SS				
1100	Contract]  Deferred possession	30 days	Sun 27/2/22	Mon 28/3/22	1189				
1190 1191	·	23 days	Tue 29/3/22	Wed 20/4/22	1190				
1192		15 days	Thu 21/4/22	Thu 5/5/22	1191				
1193		14 days	Fri 6/5/22	Thu 19/5/22	1191,1192				
1194		181 days	Mon 3/7/23	Sat 30/12/23	1101,1102				
1195	Demolition and removal of disused water pipe and sprinkler sy			Fri 8/7/22	1193				
1196		777 days	Sat 14/1/23	Fri 28/2/25	1195				
1197		776 days	Sun 15/1/23	Fri 28/2/25	1100				
1198		60 days	Tue 31/12/24	Fri 28/2/25					
1199	Reinstatement of eroded soil berm due to inclement weather		Thu 7/9/23	Fri 12/1/24					
	(PMI 117)								
1200		352 days	Sun 31/12/23	Mon 16/12/24					
1201		14 days	Thu 25/7/24	Wed 7/8/24	1253				
1202		7 days	Tue 10/12/24	Mon 16/12/24	1201				
1203		352 days	Sun 31/12/23	Mon 16/12/24	1194				
1204		1154 days	Fri 30/7/21	Wed 25/9/24					
1205		14 days	Fri 30/7/21	Thu 12/8/21					
1206		7 days	Fri 13/8/21	Thu 19/8/21	1205				
1207		30 days	Tue 27/8/24	Wed 25/9/24	1203,1206				
1208		1170 days	Fri 13/8/21	Fri 25/10/24	1005				
1209		14 days	Fri 13/8/21	Thu 26/8/21	1205				
1210		7 days	Fri 27/8/21	Thu 2/9/21	1209				
1211		30 days	Thu 26/9/24	Fri 25/10/24	1207				
1212		1186 days	Fri 27/8/21	Sun 24/11/24	4044				
1213		30 days	Sat 26/10/24	Sun 24/11/24	1211				
1214		14 days	Fri 27/8/21	Thu 9/9/21	1209				
1215	<u> </u>	7 days	Fri 10/9/21	Thu 16/9/21	1214				
1216	Construction of concrete maintenance staircase with hand	•	Mon 19/2/24	Fri 22/3/24					
1217	Slope Works at Feature No. 11NE-B/C902 (360m)	326 days	Wed 24/1/24	Sat 14/12/24					
	Task Critical Task	•••	ileatone	0	ary 🔻				

China International Water & Electric Corp.

# CEDD Contract No. ED/2020/02 Development of Anderson Road Quarry Site - Infrastructure, Greening and Landscape Works 3 Months Rolling Programme (Oct 2025 to Dec 2025)

2 Oct 2025

							g Programme (Oct 2025 to	,					
ID Task N	Name	Duration	Start	Finish	Predecessors		tober 2025		November			Decembe	
1218	Filling of void with concrete	20 days	Mon 25/11/24	Sat 14/12/24	1	11	21	1	11	21	1	11	21
1219	Construction of concrete berm	14 days	Wed 24/1/24	Tue 6/2/24									
1220	Installation of hand railings	7 days	Wed 7/2/24	Tue 13/2/24									
221	Repainting of existing steel maintenance staircase	14 days	Thu 28/3/24	Wed 10/4/24									
222	Slope Works at Feature No. 11NE-B/C224 (40m)	14 days	Wed 16/10/24	Tue 29/10/24									
223	Reinstatement of sprayed concrete	14 days	Wed 16/10/24	Tue 29/10/24									
1223	Slope Works at Feature No. 11NE-B/C225 (60m)	183 days	Wed 30/10/24	Wed 30/4/25									
1225	Reinstatement of sprayed concrete	14 days	Wed 30/10/24	Tue 12/11/24	1223								
226	Reinstatement of damaged granite stone planter wall and		Mon 17/2/25	Wed 30/4/25	1220								
1227	granoite stone facing  Make good and provide cover for existing damaged	108 days	Mon 13/1/25	Wed 30/4/25									
1228	U-channel Slope Works at Feature No. 11NE-B/C1014 (90m)	14 days	Wed 13/11/24	Tue 26/11/24									
1229	Remove water pump & electric box	14 days	Wed 13/11/24 Wed 13/11/24	Tue 26/11/24	1225								
		1	Fri 2/6/23	Thu 31/10/24	1223								
230	Slope Works at Feature No. 11NE-B/C901 (290m)	518 days											
231	Installation of non-biodegradable erosion control mat	90 days	Fri 2/6/23	Wed 30/8/23									
232	Hydroseeding Installation of hand railings	30 days	Wed 2/10/24	Thu 31/10/24									
233	<u> </u>	36 days	Thu 7/9/23	Thu 12/10/23									
234	Repainting of handrailing	20 days	Sun 22/10/23	Fri 10/11/23									
235	Filling of void with concrete	37 days	Tue 2/1/24	Wed 7/2/24	1005								
236	Reinstatement of concrete berm	14 days	Thu 6/6/24	Wed 19/6/24	1235								
237	Construction of lockable gate	7 days	Thu 20/6/24	Wed 26/6/24	1236								
238	Slope Works at Feature No. 11NE-B/C900 (335m)	892 days	Sat 9/7/22	Mon 16/12/24									
239	Installation of non-biodegradable erosion control mat	78 days	Sun 12/2/23	Sun 30/4/23									
240	Hydroseeding	30 days	Fri 1/11/24	Sat 30/11/24									
241	Installation of hand railings	60 days	Sat 9/7/22	Tue 6/9/22	4000								
242	Reinstatement of concrete berm	7 days	Thu 20/6/24	Wed 26/6/24	1236								
243	Repainting of handrailing	30 days	Wed 10/5/23	Thu 8/6/23									
1244	Construction of Wire mesh	15 days	Mon 2/12/24	Mon 16/12/24									
1245	Slope Works at Feature No. 11NE-B/C899 (280m)	388 days	Mon 19/6/23	Wed 10/7/24	1010								
1246	Filling of voids with concrete	7 days	Thu 27/6/24	Wed 3/7/24	1242								
1247	Construction of concrete berm	7 days	Thu 4/7/24	Wed 10/7/24	1246								
1248	Installation of hand railings	60 days	Mon 19/6/23	Thu 17/8/23									
249	Repainting of handrailing	30 days	Thu 6/7/23	Fri 4/8/23									
250	Slope Works at Feature No. 11NE-D/C872 (250m)	892 days	Sat 9/7/22	Mon 16/12/24									
251	Installation of hand railings	60 days	Sat 9/7/22	Tue 6/9/22									
1252	Repainting of handrailing	30 days	Sun 2/4/23	Mon 1/5/23									
1253	Reinstatement of concrete berm	7 days	Tue 10/12/24	Mon 16/12/24	1254								
254	Filling of void with concrete	7 days	Tue 3/12/24	Mon 9/12/24	1247								
255	Slope Works at Feature No. 11NE-C/900 (Stage 2)	45 days	Thu 2/1/25	Sat 15/2/25									
256		45 days	Thu 2/1/25	Sat 15/2/25									
257	Slope Works at Feature No. 11NE-B/C903	30 days	Mon 2/12/24	Tue 31/12/24									
258	· · · · · · · · · · · · · · · · · · ·	30 days	Mon 2/12/24	Tue 31/12/24									
259	Defects Rectification Works	29 days	Sun 3/8/25	Sun 31/8/25									
260	Section of Works 9A - Establishment Works for all Landscape Softworks in Section 9 of the Works		Fri 28/2/25	Mon 9/3/26									
261	Commencement of Establishment Work for Section 9	0 days	Fri 28/2/25	Fri 28/2/25									
262	Establishment Work Duration for Section 9	365 days	Fri 28/2/25	Mon 9/3/26	1261								
263	Completion of Works in Section 9	0 days	Mon 9/3/26	Mon 9/3/26	1262								
264	Works	1202 days?	Fri 30/7/21	Tue 12/11/24									
265	Commencement of All Tree Protection and Preservation Work	0 days	Fri 30/7/21	Fri 30/7/21									
266	All Tree Protection and Preservation Work	1202 days	Fri 30/7/21	Tue 12/11/24									
267	Completion of All Tree Protection and Preservation Work	0 days	Tue 12/11/24	Tue 12/11/24	1266								

Task Critical Task Milestone Summary



# Appendix D

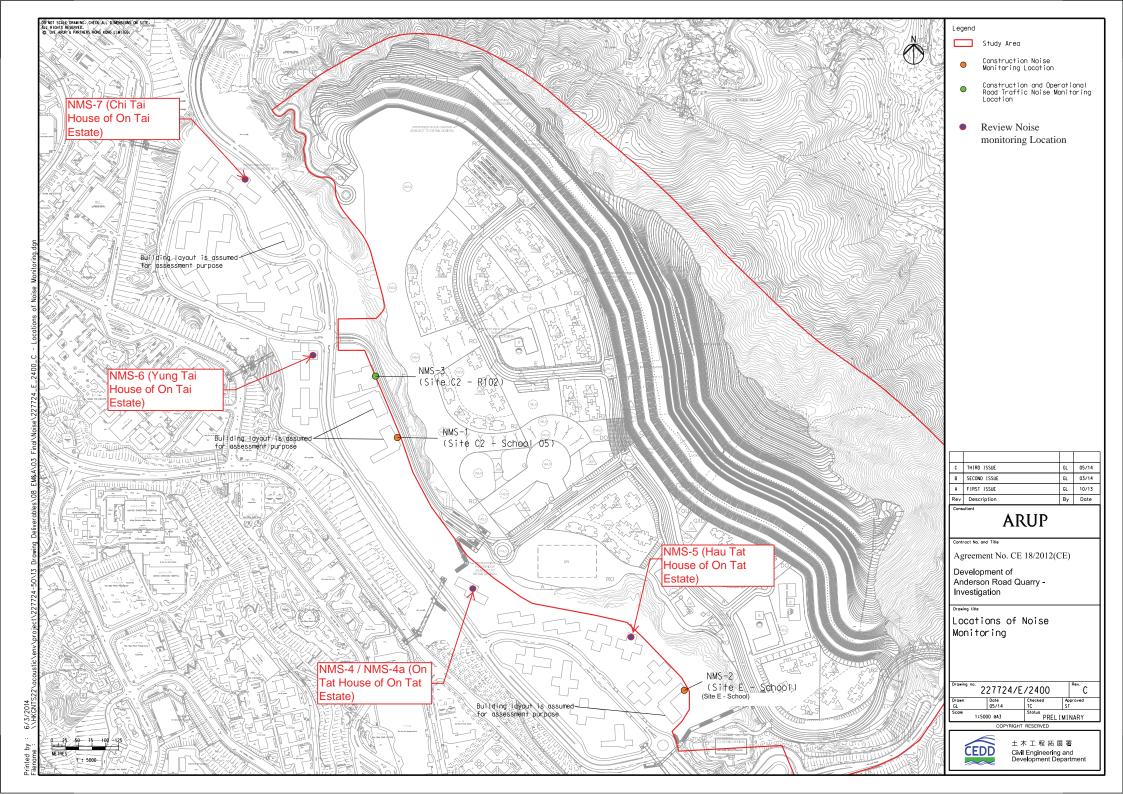
**Monitoring Locations for Impact Monitoring** 

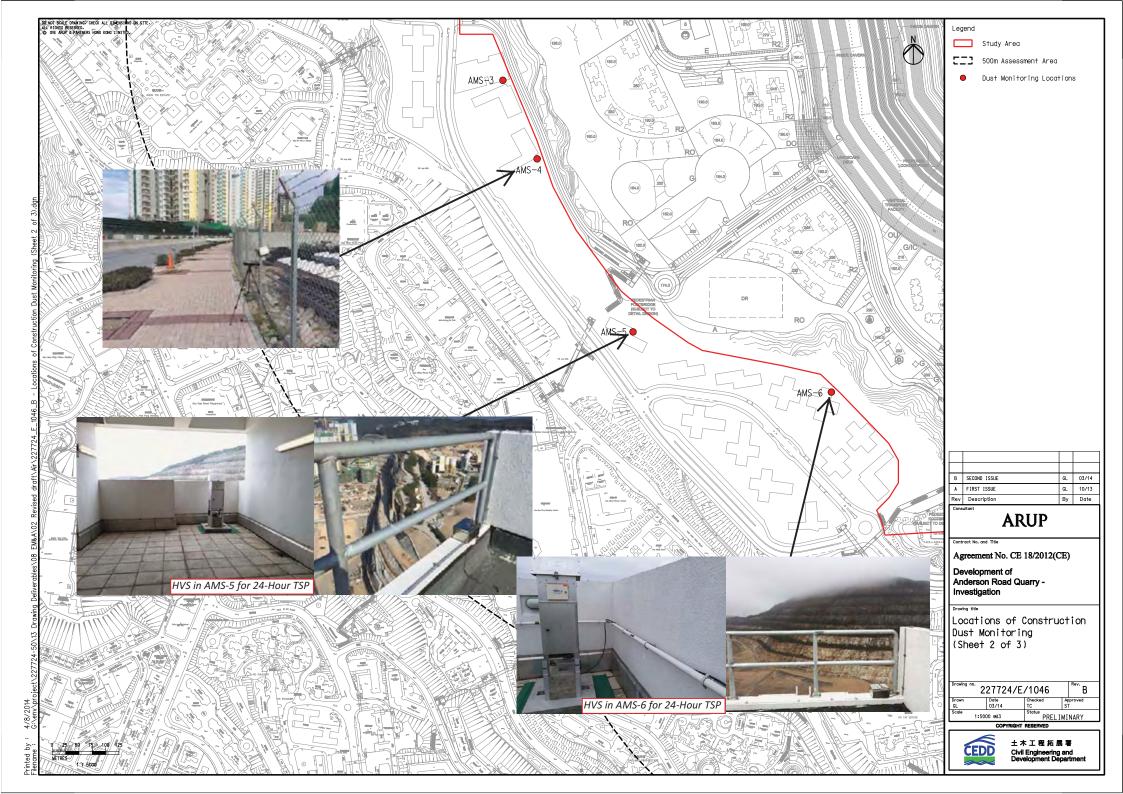
CEDD Service Contract No. EDO 12/2023 Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works Monthly Environmental Monitoring & Audit Report (October 2025)

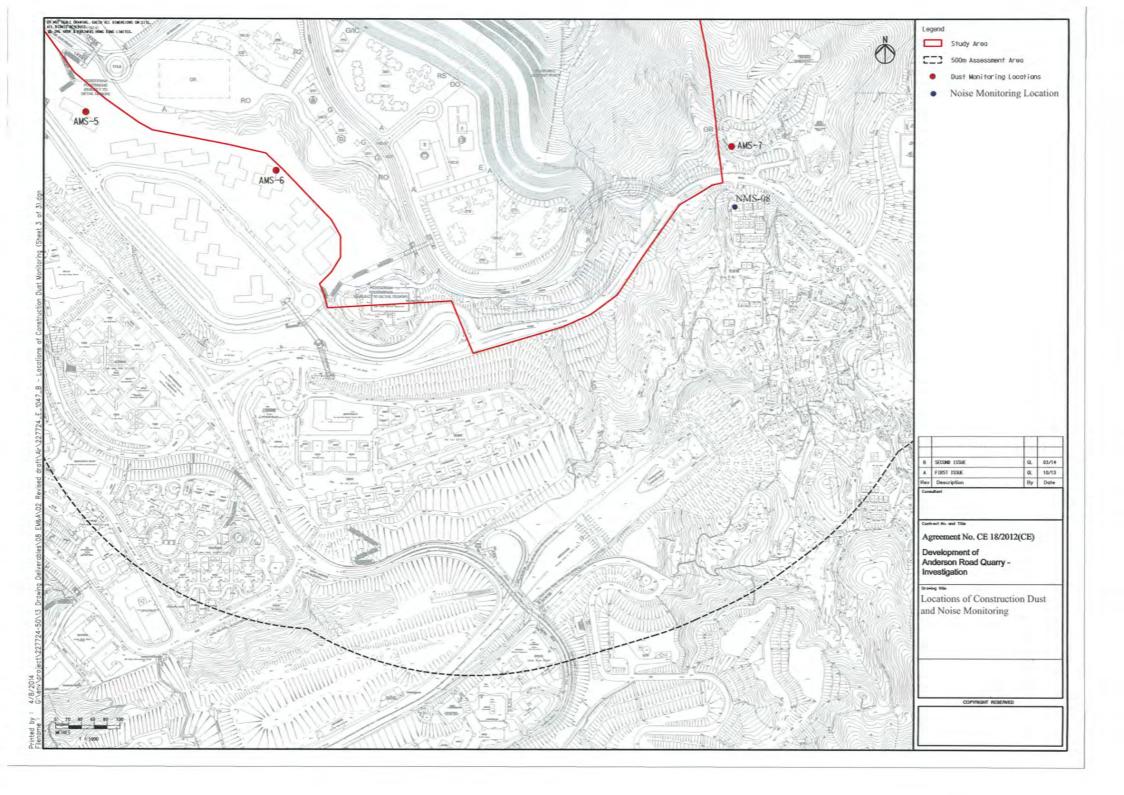


Monitoring Locations for Contract 1 (NE/2016/01)



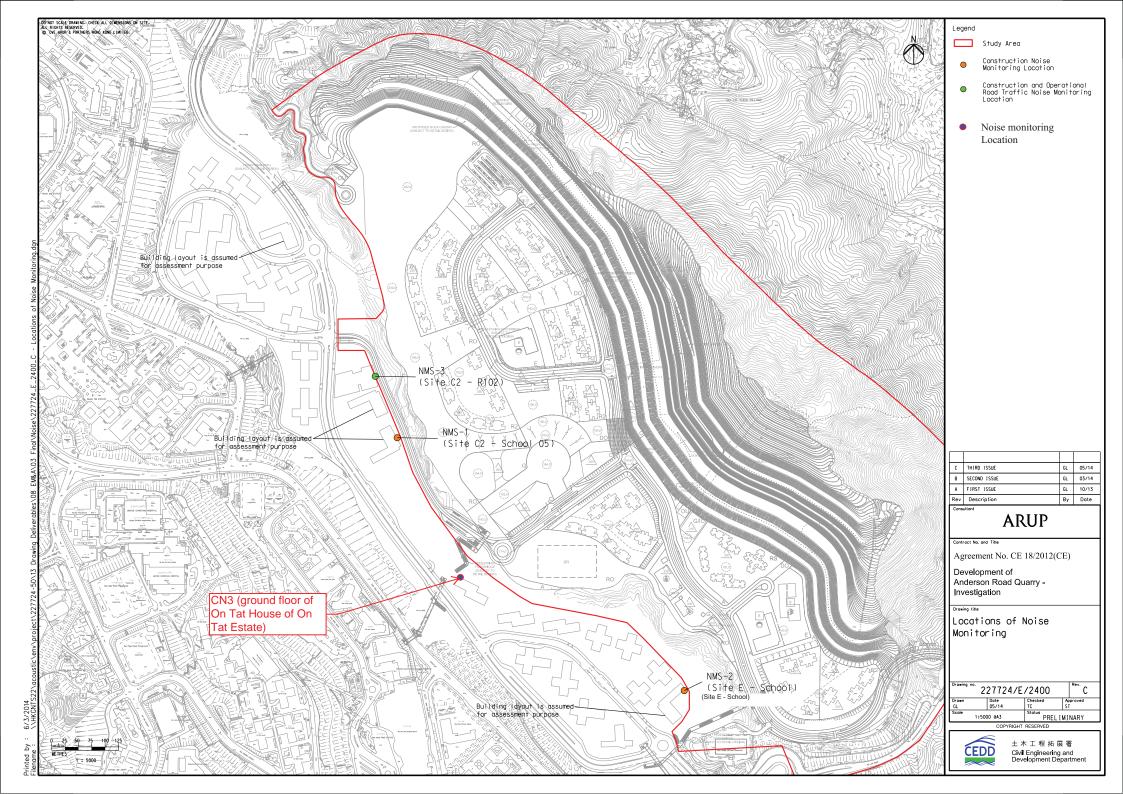


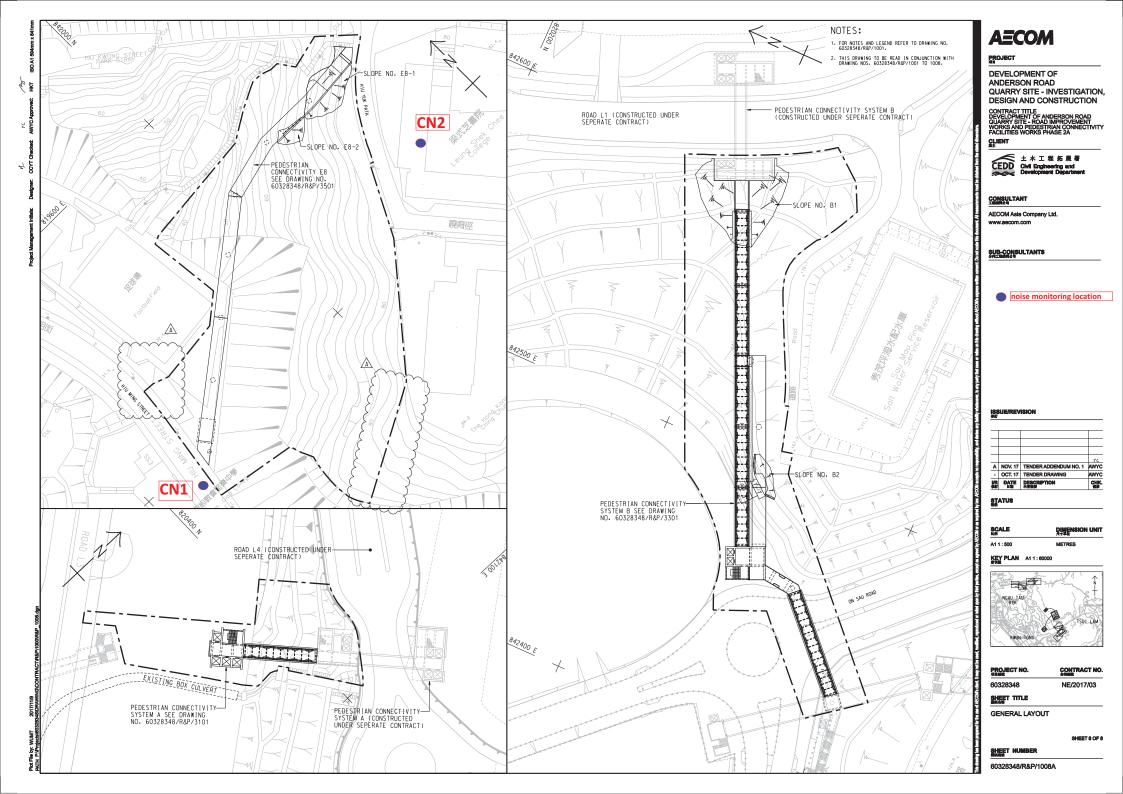






Monitoring Locations for Contract 3 (NE/2017/03)







### Appendix E

Calibration Certificate of Monitoring Equipment and HOKLAS-accreditation Certificate of the Testing Laboratory

Location: Tan Shan Village No. 5 - 6

Location ID: AMS1a

Next Calibration Date: 30-Aug-25

Model:TISCH High Volume Air Sampler TE-5170

Date of Calibration: 30-Aug-25

Technician: Martin

#### CONDITIONS

Sea Level Pressure (hPa) Temperature (°C)

1013.6	
30.0	

Corrected Pressure (mm Hg)
Temperature (K)

760.2 303

#### **CALIBRATION ORIFICE**

Make->	TISCH
Model->	TE-5025A
Serial # ->	1941

Qstd Slope -> Qstd Intercept -> 2.10574

#### **CALIBRATION**

Plate	H20 (L)	H2O (R)	H20	Qstd	I	IC	LINEAR
No.	(in)	(in)	(in)	(m3/min)	(chart)	corrected	REGRESSION
18	6.2	6.2	12.4	1.677	50	49.59	Slope = 41.2877
13	5.3	5.3	10.6	1.551	46	45.62	Intercept = $-19.5310$
10	3.8	3.8	7.6	1.316	34	33.72	Corr. coeff. = 0.9975
7	2.6	2.6	5.2	1.092	25	24.80	
5	1.6	1.6	3.2	0.861	17	16.86	

#### Calculations:

Qstd = 1/m[Sqrt(H20(Pa/Pstd)(Tstd/Ta))-b]

IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate

IC = corrected chart respones

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration ( deg K )

Pstd = actual pressure during calibration ( mm Hg )

#### For subsequent calculation of sampler flow:

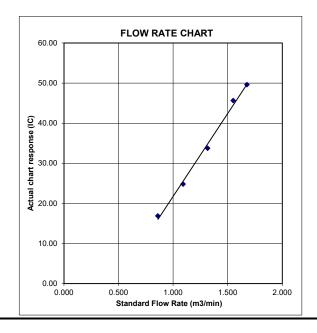
1/m(( I )[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature



Location :Oi Tat HouseDate of Calibration:30-Aug-25Location ID :AMS 5Next Calibration Date:30-Oct-25Model:TISCH High Volume Air Sampler TE-5170Technician:Martin

**CONDITIONS** 

Sea Level Pressure (hPa) 1013.6 Corrected Pressure (mm Hg) 760.2 Temperature (°C) 30.0 Temperature (K) 303

#### **CALIBRATION ORIFICE**

Make-> TISCH
Model-> TE-5025A
Serial # -> 1941

Qstd Slope -> Qstd Intercept ->

2.10574 -0.03782

#### **CALIBRATION**

Plate	H20 (L)	H2O (R)	H20	Qstd	I	IC	LINEAR
No.	(in)	(in)	(in)	(m3/min)	(chart)	corrected	REGRESSION
18	6.3	6.3	12.6	1.690	52	51.58	Slope = 41.6929
13	5.1	5.1	10.2	1.522	46	45.62	Intercept = -18.8764
10	3.9	3.9	7.8	1.333	36	35.71	Corr. coeff. = 0.9977
7	2.6	2.6	5.2	1.092	26	25.79	
5	1.6	1.6	3.2	0.861	18	17.85	

#### Calculations:

Qstd = 1/m[Sqrt(H20(Pa/Pstd)(Tstd/Ta))-b]

IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate

IC = corrected chart respons

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration ( deg K

Pstd = actual pressure during calibration ( mm Hg

#### For subsequent calculation of sampler flow:

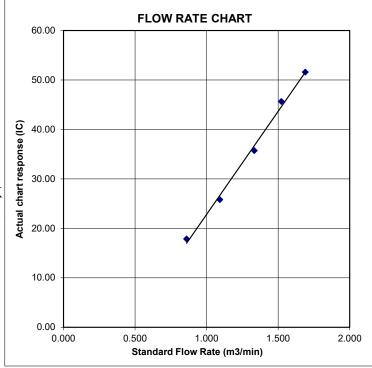
1/m(( I )[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature



Location: Hau Tat House Date of Calibration: 30-Aug-25
Location ID: AMS 6 Next Calibration Date: 30-Oct-25

Model:TISCH High Volume Air Sampler TE-5170 Technician: Martin

#### **CONDITIONS**

Sea Level Pressure (hPa)
Temperature (°C)

1013.6 30.0 Corrected Pressure (mm Hg)
Temperature (K)

760.2 303

#### **CALIBRATION ORIFICE**

Make-> TISCH
Model-> TE-5025A
Serial # -> 1941

Qstd Slope -> Qstd Intercept ->

-0.03782

#### **CALIBRATION**

Plate	H20 (L)	H2O (R)	H20	Qstd	I	IC	LINEAR
No.	(in)	(in)	(in)	(m3/min)	(chart)	corrected	REGRESSION
18	6.4	6.4	12.8	1.703	52	51.58	Slope = $40.3569$
13	5.3	5.3	10.6	1.551	48	46.00	Intercept = -16.9000
10	3.7	3.7	7.4	1.299	36	35.71	Corr. coeff. = 0.9998
7	2.7	2.7	5.4	1.113	28	27.77	
5	1.6	1.6	3.2	0.861	18	17.85	

#### Calculations:

Qstd = 1/m[Sqrt(H20(Pa/Pstd)(Tstd/Ta))-b]

IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate

IC = corrected chart respones

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration ( deg K

Pstd = actual pressure during calibration ( mm Hg )

#### For subsequent calculation of sampler flow:

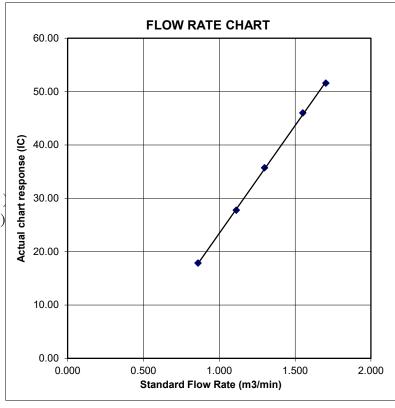
1/m(( I )[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope

b = sampler intercept

I = chart response

Tay = daily average temperature



Location:Ma Yau Tong VillageDate of Calibration:30-Aug-25Location ID:AMS 7Next Calibration Date:30-Oct-25

Model: TISCH High Volume Air Sampler TE-5170 Technician: Martin

#### CONDITIONS

Sea Level Pressure (hPa) 1013.6 Corrected Pressure (mm Hg) 760.2 Temperature (°C) 30.0 Temperature (K) 303

#### **CALIBRATION ORIFICE**

Make-> TISCH
Model-> TE-5025A
Serial # -> 1941

Qstd Slope -> Qstd Intercept ->

2.10574 -0.03782

#### **CALIBRATION**

Plate	H20 (L)	H2O (R)	H20	Qstd	I	IC	LINEAR
No.	(in)	(in)	(in)	(m3/min)	(chart)	corrected	REGRESSION
18	6.5	6.5	13	1.716	52	51.58	Slope = $40.0895$
13	5.4	5.4	10.8	1.566	48	47.61	Intercept = -16.4237
10	3.8	3.8	7.6	1.316	36	35.71	Corr. coeff. = 0.9981
7	2.6	2.6	5.2	1.092	28	27.77	
5	1.6	1.6	3.2	0.861	18	17.85	

#### Calculations:

Qstd = 1/m[Sqrt(H20(Pa/Pstd)(Tstd/Ta))-b]

IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate

IC = corrected chart respones

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration ( deg K )

Pstd = actual pressure during calibration ( mm Hg )

#### For subsequent calculation of sampler flow:

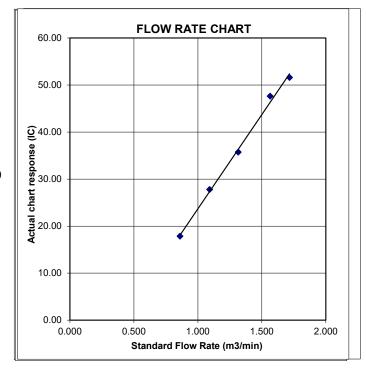
1/m(( I )[Sqrt(298/Tav)(Pav/760)]-b)

m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature





#### RECALIBRATION DUE DATE:

December 16, 2025

# Certificate of Calibration

**Calibration Certification Information** 

Cal. Date: December 16, 2024

Rootsmeter S/N: 438320

Ta: 293

°K

Operator: Jim Tisch

Pa: 749.0

mm Hg

Calibration Model #:

TE-5025A

Calibrator S/N: 4064

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4600	3.2	2.00
2	3	4	1	1.0300	6.4	4.00
3	5	6	1	0.9220	8.0	5.00
4	7	8	1	0.8770	8.8	5.50
5	9	10	1	0.7250	12.8	8.00

	Data Tabulation							
Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H \left( \frac{Pa}{Pstd} \right) \left( \frac{Tstd}{Ta} \right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H \Big( Ta/Pa \Big)}$ (y-axis)			
0.9981	0.6836	1.4159	0.9957	0.6820	0.8845			
0.9938	0.9649	2.0024	0.9915	0.9626	1.2509			
0.9917	1.0756	2.2388	0.9893	1.0730	1.3985			
0.9906	1.1296	2.3480	0.9883	1.1269	1.4668			
0.9853	1.3590	2.8318	0.9829	1.3557	1.7690			
	m=	2.09671		m=	1.31292			
QSTD	b=	-0.01852	QA	b=	-0.01157			
	r=	0.99999	-	r=	0.99999			

	Calculation	ıs	
Vstd=	ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	Va=	ΔVol((Pa-ΔP)/Pa)
Qstd=	Vstd/ΔTime	Qa=	Va/ΔTime
	For subsequent flow rat	e calculatio	ns:
Qstd=	$1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\left(\frac{Tstd}{Ta}\right)\right)}-b\right)$	Qa=	1/m((√ΔH(Ta/Pa))-b

	Standard Conditions
Tstd:	298.15 °K
Pstd:	760 mm Hg
	Key
ΔH: calibrator	manometer reading (in H2O)
ΔP: rootsmete	er manometer reading (mm Hg)
Ta: actual abs	olute temperature (°K)
Pa: actual bar	ometric 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

FAX: (513)467-9009

# **ALS Technichem (HK) Pty Ltd**

## **ALS Laboratory Group**

ANALYTICAL CHEMISTRY & TESTING SERVICES



#### SUB-CONTRACTING REPORT

CONTACT : MR BEN TAM WORK ORDER : HK2512467

CLIENT : ACTION-UNITED ENVIRONMENTAL

SERVICES & CONSULTING

ADDRESS : RM A 20/F., GOLD KING IND BLDG, NO. 35-41 SUB-BATCH : 1

TAI LIN PAI ROAD, KWAI CHUNG, N.T.

DATE RECEIVED : 21-MAR-2025

DATE OF ISSUE : 1-APR-2025

PROJECT : ---- NO. OF SAMPLES : 1

CLIENT ORDER :---

#### General Comments

• Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the
item(s) tested.

• Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.

Calibration was subcontracted to and analysed by Action United Environmental Services & Consulting.

#### **Signatories**

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories Position

Richard Fung Managing Director

This report supersedes any previous report(s) with the same work order number.

All pages of this report have been checked and approved for release.

: HK2512467 WORK ORDER

SUB-BATCH

: 1 : ACTION-UNITED ENVIRONMENTAL SERVICES & CONSULTING CLIENT

PROJECT



ALS Lab	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2512467-001	S/N: 456658	AIR	21-Mar-2025	S/N: 456658

----- END OF REPORT -----

 $\mathsf{Page}: 2 \ \mathsf{of} \ 2$ 

### **Equipment Verification Report (TSP)**

### **Equipment Calibrated:**

Type: Laser Dust monitor

Manufacturer: Sibata LD-3B

Serial No. 456658

Equipment Ref: EQ115

### Standard Equipment:

Standard Equipment: Higher Volume Sampler (TSP)

Location & Location ID: AUES office (calibration room)

Equipment Ref: HVS 018

Last Calibration Date: 12 February 2025

### **Equipment Verification Results:**

Verification Date: 11 March 2025

Date	Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in ug/m³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
11-Mar-25	2hr00mins	11:00 ~ 13:00	22.0	1016.6	59.7	3221	26.8
11-Mar-25	2hr09mins	13:07 ~ 13:16	22.0	1016.6	59.0	3613	28.0
11-Mar-25	2hr00mins	15:17 ~ 17:17	22.0	1018.8	67.7	4132	34.4

Sensitivity Adjustment Scale Setting (Before Calibration)

702 (CPM)

Sensitivity Adjustment Scale Setting (After Calibration)

705 (CPM)

### Linear Regression of Y or X

Slope (K-factor): <u>2.0438 (μg/m³)/CPM</u>

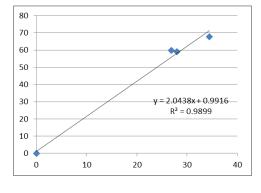
Correlation Coefficient (R) 0.9949

Date of Issue 18 March 2025

### Remarks:

- 1. **Strong** Correlation (R>0.8)
- Factor 2.0438 (μg/m³)/CPM should be apply for TSP monitoring

<sup>\*</sup>If R<0.5, repair or re-verification is required for the equipment



QC Reviewer : Ben Tam Signature : Date : 18 March 2025

### TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location: Gold King Industrial Building, Kwai Chung Date of Calibration: 12-Feb-25
Location ID: Calibration Room - TISCH Higher Volume Sampler (Model Next Calibration Date: 12-May-25

TE-5170) S/N:1260

### CONDITIONS

Sea Level Pressure (hPa)1017.2Corrected Pressure (mm Hg)762.9Temperature (°C)18.8Temperature (K)292

### **CALIBRATION ORIFICE**

Make->	TISCH	Qstd Slope ->	2.09671
Model->	5025A	Qstd Intercept ->	-0.01852
Calibration Date->	16-Dec-24	Expiry Date->	16-Dec-25

### **CALIBRATION**

Plate	H20 (L)	H2O (R)	H20	Qstd	I	IC	LINEAR
No.	(in)	(in)	(in)	(m3/min)	(chart)	corrected	REGRESSION
18	5.6	5.6	11.2	1.625	55	55.69	Slope = 35.3445
13	4.5	4.5	9.0	1.458	48	48.60	Intercept = -2.1779
10	3.4	3.4	6.8	1.268	42	42.52	Corr. coeff. = 0.9989
8	2.3	2.3	4.6	1.045	35	35.44	
5	1.2	1.2	2.4	0.757	24	24.30	

### Calculations:

Qstd = 1/m[Sqrt(H20(Pa/Pstd)(Tstd/Ta))-b]

IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate

IC = corrected chart response

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration ( deg K )

Pstd = actual pressure during calibration ( mm Hg )

### For subsequent calculation of sampler flow:

1/m(( I )[Sqrt(298/Tav)(Pav/760)]-b)

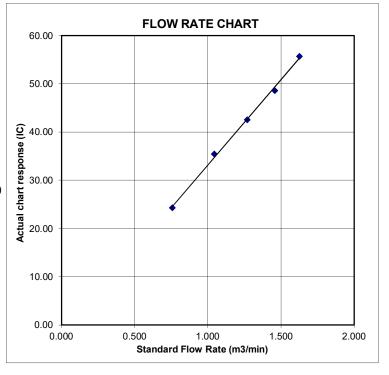
m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature

Pav = daily average pressure





# RECALIBRATION DUE DATE:

December 16, 2025

# Certificate of Calibration

### **Calibration Certification Information**

Cal. Date: December 16, 2024

Rootsmeter S/N: 438320

**Ta:** 293 **Pa:** 749.0

°K mm Hg

Operator: Jim Tisch
Calibration Model #:

TE-5025A

Calibrator S/N: 4064

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4600	3.2	2.00
2	3	4	1	1.0300	6.4	4.00
3	5	6	1	0.9220	8.0	5.00
4	7	8	1	0.8770	8.8	5.50
5	9	10	1	0.7250	12.8	8.00

	Data Tabulation										
Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$		Qa	√∆H(Ta/Pa)						
(m3)	(x-axis)	(y-axis)	Va	(x-axis)	(y-axis)						
0.9981	0.6836	1.4159	0.9957	0.6820	0.8845						
0.9938	0.9649	2.0024	0.9915	0.9626	1.2509						
0.9917	1.0756	2.2388	0.9893	1.0730	1.3985						
0.9906	1.1296	2.3480	0.9883	1.1269	1.4668						
0.9853	1.3590	2.8318	0.9829	1.3557	1.7690						
	m=	2.09671		m=	1.31292						
<b>QSTD</b>	b=	-0.01852	QA	b=	-0.01157						
	r=	0.99999		r=	0.99999						

Calculations									
Vstd= ΔVol((Pa-ΔP)/Pstd)(Tstd/Ta)	<b>Va=</b> ΔVol((Pa-ΔP)/Pa)								
<b>Qstd=</b> Vstd/ΔTime	<b>Qa=</b> Va/ΔTime								
For subsequent flo	ow rate calculations:								
Qstd= $1/m \left( \sqrt{\Delta H \left( \frac{Pa}{Pstd} \right) \left( \frac{Tstd}{Ta} \right)} \right) - b$	$Qa = 1/m \left( \left( \sqrt{\Delta H \left( Ta/Pa \right)} \right) - b \right)$								

Standard Conditions								
Tstd:	298.15 °K							
Pstd:	760 mm Hg							
	Key							
ΔH: calibrator manometer reading (in H2O)								
	ter manometer reading (mm Hg)							
	osolute temperature (°K)							
Pa: actual ba	arometric pressure (mm Hg)							
b: intercept								
m: slope								

### RECALIBRATION

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

### **ALS Technichem (HK) Pty Ltd**

### **ALS Laboratory Group**

ANALYTICAL CHEMISTRY & TESTING SERVICES



HK2512468

### **SUB-CONTRACTING REPORT**

CONTACT : MR BEN TAM WORK ORDER

: ACTION-UNITED ENVIRONMENTAL

SERVICES & CONSULTING

ADDRESS : RM A 20/F., GOLD KING IND BLDG, NO. 35-41 SUB-BATCH :

TAI LIN PAI ROAD, KWAI CHUNG, N.T.

DATE RECEIVED : 21-MAR-2025

DATE OF ISSUE : 1-APR-2025

PROJECT : ---- NO. OF SAMPLES : 1

CLIENT ORDER :---

### General Comments

**CLIENT** 

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the
item(s) tested.

• Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.

Calibration was subcontracted to and analysed by Action United Environmental Services & Consulting.

### **Signatories**

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories

Position

Richard Fung

Managing Director

: HK2512468 WORK ORDER

SUB-BATCH

: 1 : ACTION-UNITED ENVIRONMENTAL SERVICES & CONSULTING CLIENT

PROJECT



ALS Lab	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2512468-001	S/N: 456659	AIR	21-Mar-2025	S/N: 456659

----- END OF REPORT -----

 $\mathsf{Page}: 2 \ \mathsf{of} \ 2$ 

### **Equipment Verification Report (TSP)**

### **Equipment Calibrated:**

Type: Laser Dust monitor

Manufacturer: Sibata LD-3B

Serial No. 456659

Equipment Ref: EQ116

### **Standard Equipment:**

Standard Equipment: Higher Volume Sampler (TSP)

Location & Location ID: AUES office (calibration room)

Equipment Ref: HVS 018

Last Calibration Date: 12 February 2025

### **Equipment Verification Results:**

Verification Date: 11 March 2025

Date	Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in ug/m³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
11-Mar-25	2hr00mins	11:00 ~ 13:00	22.0	1016.6	59.7	3177	26.5
11-Mar-25	2hr09mins	13:07 ~ 13:16	22.0	1016.6	59.0	3987	30.9
11-Mar-25	2hr00mins	15:17 ~ 17:17	22.0	1018.8	67.7	4121	34.3

Sensitivity Adjustment Scale Setting (Before Calibration)

726 (CPM)

Sensitivity Adjustment Scale Setting (After Calibration)

727 (CPM)

### Linear Regression of Y or X

Slope (K-factor): <u>2.0094 (μg/m³)/CPM</u>

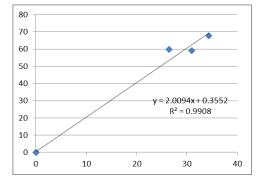
Correlation Coefficient (R) 0.9953

Date of Issue 18 March 2025

### Remarks:

- 1. **Strong** Correlation (R>0.8)
- Factor 2.0094 (μg/m³)/CPM should be apply for TSP monitoring

<sup>\*</sup>If R<0.5, repair or re-verification is required for the equipment



QC Reviewer : \_\_\_\_\_ Ben Tam \_\_\_ Signature : \_\_\_\_\_ Date : \_\_\_\_ 18 March 2025

### TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location: Gold King Industrial Building, Kwai Chung Date of Calibration: 12-Feb-25
Location ID: Calibration Room - TISCH Higher Volume Sampler (Model Next Calibration Date: 12-May-25

TE-5170) S/N:1260

### CONDITIONS

Sea Level Pressure (hPa)1017.2Corrected Pressure (mm Hg)762.9Temperature (°C)18.8Temperature (K)292

### **CALIBRATION ORIFICE**

Make->	TISCH	Qstd Slope ->	2.09671
Model->	5025A	Qstd Intercept ->	-0.01852
Calibration Date->	16-Dec-24	Expiry Date->	16-Dec-25

### **CALIBRATION**

Plate	H20 (L)	H2O (R)	H20	Qstd	I	IC	LINEAR
No.	(in)	(in)	(in)	(m3/min)	(chart)	corrected	REGRESSION
18	5.6	5.6	11.2	1.625	55	55.69	Slope = 35.3445
13	4.5	4.5	9.0	1.458	48	48.60	Intercept = -2.1779
10	3.4	3.4	6.8	1.268	42	42.52	Corr. coeff. = 0.9989
8	2.3	2.3	4.6	1.045	35	35.44	
5	1.2	1.2	2.4	0.757	24	24.30	

### Calculations:

Qstd = 1/m[Sqrt(H20(Pa/Pstd)(Tstd/Ta))-b]

IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate

IC = corrected chart response

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration ( deg K )

Pstd = actual pressure during calibration ( mm Hg )

### For subsequent calculation of sampler flow:

1/m(( I )[Sqrt(298/Tav)(Pav/760)]-b)

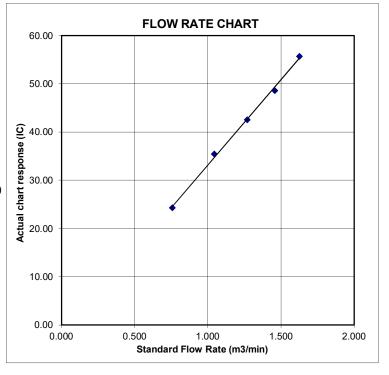
m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature

Pav = daily average pressure





# RECALIBRATION DUE DATE:

December 16, 2025

# Certificate of Calibration

### **Calibration Certification Information**

Cal. Date: December 16, 2024

Rootsmeter S/N: 438320

**Ta:** 293 **Pa:** 749.0

°K mm Hg

Operator: Jim Tisch
Calibration Model #:

TE-5025A

Calibrator S/N: 4064

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4600	3.2	2.00
2	3	4	1	1.0300	6.4	4.00
3	5	6	1	0.9220	8.0	5.00
4	7	8	1	0.8770	8.8	5.50
5	9	10	1	0.7250	12.8	8.00

	Data Tabulation								
Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$		Qa	√∆H(Ta/Pa)				
(m3)	(x-axis)	(y-axis)	Va	(x-axis)	(y-axis)				
0.9981	0.6836	1.4159	0.9957	0.6820	0.8845				
0.9938	0.9649	2.0024	0.9915	0.9626	1.2509				
0.9917	1.0756	2.2388	0.9893	1.0730	1.3985				
0.9906	1.1296	2.3480	0.9883	1.1269	1.4668				
0.9853	1.3590	2.8318	0.9829	1.3557	1.7690				
	m=	2.09671		m=	1.31292				
<b>QSTD</b>	b=	-0.01852	QA	b=	-0.01157				
	r=	0.99999		r=	0.99999				

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

	Standard Conditions					
Tstd:	298.15 °K					
Pstd:	760 mm Hg					
	Key					
ΔH: calibrate	or manometer reading (in H2O)					
	ter manometer reading (mm Hg)					
	Ta: actual absolute temperature (°K)					
Pa: actual barometric pressure (mm Hg)						
b: intercept						
m: slope						

### RECALIBRATION

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

### **ALS Technichem (HK) Pty Ltd**

### **ALS Laboratory Group**

ANALYTICAL CHEMISTRY & TESTING SERVICES



### **SUB-CONTRACTING REPORT**

CONTACT : MR BEN TAM WORK ORDE

WORK ORDER HK2512469

CLIENT : ACTION-UNITED ENVIRONMENTAL

**SERVICES & CONSULTING** 

: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 SUB-BATCH

TAI LIN PAI ROAD, KWAI CHUNG, N.T.

DATE RECEIVED : 21-MAR-2025

DATE OF ISSUE : 1-APR-2025

PROJECT : --- NO. OF SAMPLES : 1

CLIENT ORDER :--

### General Comments

**ADDRESS** 

• Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the
item(s) tested.

• Calibration was subcontracted to and analysed by Action United Environmental Services & Consulting.

• Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition.

### **Signatories**

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories Position

Richard Fung

Managing Director

This report supersedes any previous report(s) with the same work order number.

All pages of this report have been checked and approved for release

: HK2512469 WORK ORDER

SUB-BATCH

: 1 : ACTION-UNITED ENVIRONMENTAL SERVICES & CONSULTING CLIENT

PROJECT



ALS Lab	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2512469-001	S/N: 456660	AIR	21-Mar-2025	S/N: 456660

----- END OF REPORT -----

 $\mathsf{Page}: 2 \ \mathsf{of} \ 2$ 

### **Equipment Verification Report (TSP)**

### **Equipment Calibrated:**

Type: Laser Dust monitor

Manufacturer: Sibata LD-3B

Serial No. 456660

Equipment Ref: EQ117

### Standard Equipment:

Standard Equipment: Higher Volume Sampler (TSP)

Location & Location ID: AUES office (calibration room)

Equipment Ref: HVS 018

Last Calibration Date: 12 February 2025

### **Equipment Verification Results:**

Verification Date: 11 March 2025

Date	Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in ug/m³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
11-Mar-25	2hr00mins	11:00 ~ 13:00	22.0	1016.6	59.7	3225	26.9
11-Mar-25	2hr09mins	13:07 ~ 13:16	22.0	1016.6	59.0	3897	30.2
11-Mar-25	2hr00mins	15:17 ~ 17:17	22.0	1018.8	67.7	3996	33.3

Sensitivity Adjustment Scale Setting (Before Calibration)

612 (CPM)

Sensitivity Adjustment Scale Setting (After Calibration)

609 (CPM)

### Linear Regression of Y or X

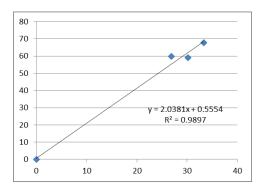
Slope (K-factor): <u>2.0381 (μg/m³)/CPM</u>

Correlation Coefficient (R) 0.9948

Date of Issue 18 March 2025

### Remarks:

- 1. **Strong** Correlation (R>0.8)
- Factor 2.0381 (μg/m³)/CPM should be apply for TSP monitoring



QC Reviewer : Ben Tam Signature : Date : 18 March 2025

<sup>\*</sup>If R<0.5, repair or re-verification is required for the equipment

### TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location: Gold King Industrial Building, Kwai Chung Date of Calibration: 12-Feb-25
Location ID: Calibration Room - TISCH Higher Volume Sampler (Model Next Calibration Date: 12-May-25

TE-5170) S/N:1260

### CONDITIONS

Sea Level Pressure (hPa)1017.2Corrected Pressure (mm Hg)762.9Temperature (°C)18.8Temperature (K)292

### **CALIBRATION ORIFICE**

Make->	TISCH	Qstd Slope ->	2.09671
Model->	5025A	Qstd Intercept ->	-0.01852
Calibration Date->	16-Dec-24	Expiry Date->	16-Dec-25

### **CALIBRATION**

Plate	H20 (L)	H2O (R)	H20	Qstd	I	IC	LINEAR
No.	(in)	(in)	(in)	(m3/min)	(chart)	corrected	REGRESSION
18	5.6	5.6	11.2	1.625	55	55.69	Slope = 35.3445
13	4.5	4.5	9.0	1.458	48	48.60	Intercept = -2.1779
10	3.4	3.4	6.8	1.268	42	42.52	Corr. coeff. = 0.9989
8	2.3	2.3	4.6	1.045	35	35.44	
5	1.2	1.2	2.4	0.757	24	24.30	

### Calculations:

Qstd = 1/m[Sqrt(H20(Pa/Pstd)(Tstd/Ta))-b]

IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate

IC = corrected chart response

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration ( deg K )

Pstd = actual pressure during calibration ( mm Hg )

### For subsequent calculation of sampler flow:

1/m(( I )[Sqrt(298/Tav)(Pav/760)]-b)

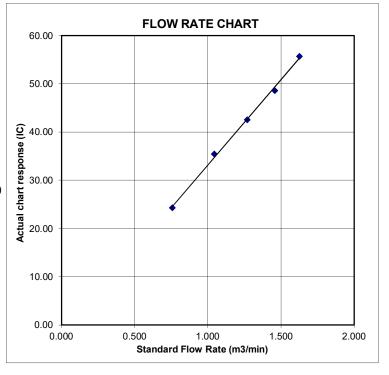
m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature

Pav = daily average pressure





# RECALIBRATION DUE DATE:

December 16, 2025

# Certificate of Calibration

### **Calibration Certification Information**

Cal. Date: December 16, 2024

Rootsmeter S/N: 438320

**Ta:** 293 **Pa:** 749.0

°K mm Hg

Operator: Jim Tisch
Calibration Model #:

TE-5025A

Calibrator S/N: 4064

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4600	3.2	2.00
2	3	4	1	1.0300	6.4	4.00
3	5	6	1	0.9220	8.0	5.00
4	7	8	1	0.8770	8.8	5.50
5	9	10	1	0.7250	12.8	8.00

	Data Tabulation								
Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$		Qa	√∆H(Ta/Pa)				
(m3)	(x-axis)	(y-axis)	Va	(x-axis)	(y-axis)				
0.9981	0.6836	1.4159	0.9957	0.6820	0.8845				
0.9938	0.9649	2.0024	0.9915	0.9626	1.2509				
0.9917	1.0756	2.2388	0.9893	1.0730	1.3985				
0.9906	1.1296	2.3480	0.9883	1.1269	1.4668				
0.9853	1.3590	2.8318	0.9829	1.3557	1.7690				
	m=	2.09671		m=	1.31292				
<b>QSTD</b>	b=	-0.01852	QA	b=	-0.01157				
	r=	0.99999		r=	0.99999				

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

	Standard Conditions					
Tstd:	298.15 °K					
Pstd:	760 mm Hg					
	Key					
ΔH: calibrate	ΔH: calibrator manometer reading (in H2O)					
	ter manometer reading (mm Hg)					
	Ta: actual absolute temperature (°K)					
Pa: actual barometric pressure (mm Hg)						
b: intercept						
m: slope						

### RECALIBRATION

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

### **ALS Technichem (HK) Pty Ltd**

### **ALS Laboratory Group**

ANALYTICAL CHEMISTRY & TESTING SERVICES



HK2540548

### SUB-CONTRACTING REPORT

CONTACT : MR BEN TAM

**CLIENT** : ACTION-UNITED ENVIRONMENTAL

**SERVICES & CONSULTING** 

: RM A 20/F., GOLD KING IND BLDG, NO. 35-41 **ADDRESS** 

DATE RECEIVED : 17-SEP-2025 TAI LIN PAI ROAD, KWAI CHUNG, N.T. DATE OF ISSUE : 22-SEP-2025

**PROJECT** : Not Specified NO. OF SAMPLES : 1

CLIENT ORDER

WORK ORDER

SUB-BATCH

### General Comments

Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.

Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.

Calibration was subcontracted to and analysed by Action United Environmental Services & Consulting.

No sample is received in this Work Order. The report presents non-laboratory testing data only.

### Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories

Position

Richard Fung

Managing Director

: HK2540548 WORK ORDER

SUB-BATCH

: 1 : ACTION-UNITED ENVIRONMENTAL SERVICES & CONSULTING CLIENT



----- END OF REPORT -----

 $\mathsf{Page}: 2 \text{ of } 2$ 

### **Equipment Verification Report (TSP)**

### **Equipment Calibrated:**

Type: Laser Dust monitor

Manufacturer: Sibata LD-5R

Serial No. 467389

Equipment Ref: EQ125

### **Standard Equipment:**

Standard Equipment: Higher Volume Sampler (TSP)

Location & Location ID: Ha Pak Nai

Equipment Ref: HVS 023

Last Calibration Date: 16 August 2025

### **Equipment Verification Results:**

Verification Date: 3 September 2025

Date	Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in ug/m³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
3-Sep-25	1hr00min	11:18 ~ 12:18	30.5	1008.2	90.9	4773	79.6
3-Sep-25	1hr00min	12:23 ~ 13:23	30.5	1008.2	49.7	2326	38.8
3-Sep-25	1hr00min	13:28 ~ 14:28	30.5	1008.2	128.5	5868	97.8

Sensitivity Adjustment Scale Setting (Before Calibration)

704 (CPM)

Sensitivity Adjustment Scale Setting (After Calibration)

705 (CPM)

### Linear Regression of Y or X

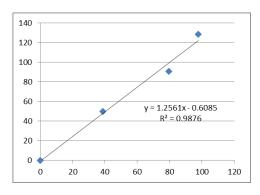
Slope (K-factor): <u>1.2561 (μg/m³)/CPM</u>

Correlation Coefficient (R) 0.9938

Date of Issue 10 September 2025

### Remarks:

- 1. **Strong** Correlation (R>0.8)
- Factor 1.2561 (μg/m³)/CPM should be apply for TSP monitoring



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

QC Reviewer : Ben Tam Signature : Date : 10 September 2025

### TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location: Ha Pak Nai Date of Calibration: 16-Aug-25
Location ID: AM(D)3 Next Calibration Date: 16-Oct-25

Model:TISCH High Volume Air Sampler TE-5170

### CONDITIONS

Sea Level Pressure (hPa)1008.5Corrected Pressure (mm Hg)756.375Temperature (°C)29.3Temperature (K)302

### **CALIBRATION ORIFICE**

Make->	TISCH	Qstd Slope ->	2.09671
Model->	5025A	Qstd Intercept ->	-0.01852
Calibration Date->	16-Dec-24	Expiry Date->	16-Dec-25

### **CALIBRATION**

Plate	H20 (L)	H2O (R)	H20	Qstd	I	IC	LINEAR
No.	(in)	(in)	(in)	(m3/min)	(chart)	corrected	REGRESSION
18	6.4	6.4	12.8	1.699	54	53.10	Slope = 26.8673
13	5.2	5.2	10.4	1.532	49	48.19	Intercept = 7.0086
10	3.8	3.8	7.6	1.311	42	41.30	Corr. coeff. = 0.9983
8	2.6	2.6	5.2	1.086	37	36.39	
5	1.5	1.5	3.0	0.827	30	29.50	

### Calculations:

Qstd = 1/m[Sqrt(H20(Pa/Pstd)(Tstd/Ta))-b]

IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)]

Qstd = standard flow rate

IC = corrected chart response

I = actual chart response

m = calibrator Qstd slope

b = calibrator Qstd intercept

Ta = actual temperature during calibration ( deg K )

Pstd = actual pressure during calibration ( mm Hg )

### For subsequent calculation of sampler flow:

1/m(( I )[Sqrt(298/Tav)(Pav/760)]-b)

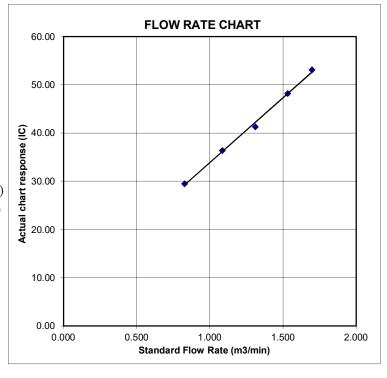
m = sampler slope

b = sampler intercept

I = chart response

Tav = daily average temperature

Pav = daily average pressure





# RECALIBRATION DUE DATE:

December 16, 2025

# Certificate of Calibration

### **Calibration Certification Information**

Cal. Date: December 16, 2024

Rootsmeter S/N: 438320

**Ta:** 293 **Pa:** 749.0

°K mm Hg

Operator: Jim Tisch
Calibration Model #:

TE-5025A

Calibrator S/N: 4064

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4600	3.2	2.00
2	3	4	1	1.0300	6.4	4.00
3	5	6	1	0.9220	8.0	5.00
4	7	8	1	0.8770	8.8	5.50
5	9	10	1	0.7250	12.8	8.00

	Data Tabulation						
Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right) \left(\frac{Tstd}{Ta}\right)}$		Qa	√∆H(Ta/Pa)		
(m3)	(x-axis)	(y-axis)	Va	(x-axis)	(y-axis)		
0.9981	0.6836	1.4159	0.9957	0.6820	0.8845		
0.9938	0.9649	2.0024	0.9915	0.9626	1.2509		
0.9917	1.0756	2.2388	0.9893	1.0730	1.3985		
0.9906	1.1296	2.3480	0.9883	1.1269	1.4668		
0.9853	1.3590	2.8318	0.9829	1.3557	1.7690		
	m=	2.09671		m=	1.31292		
<b>QSTD</b>	b=	-0.01852	QA	b=	-0.01157		
	r=	0.99999		r=	0.99999		

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

Standard Conditions					
Tstd:	298.15 °K				
Pstd:	760 mm Hg				
	Key				
ΔH: calibrator manometer reading (in H2O)					
ΔP: rootsmeter manometer reading (mm Hg)					
Ta: actual absolute temperature (°K)					
Pa: actual barometric pressure (mm Hg)					
b: intercept					
m: slope					

### RECALIBRATION

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



Certificate No. 411103

Page 1

Customer: Action-Unitod Environmental Services & consulting

Address : Unit A, 20/F, Gold King Industrial Building, 35-41 Tai Lin Pai Road, Kwai Chung, New Territories, Hong Kong

Order No.: Q44140

Date of receipt

25-Oct-24

Item Tested

**Description**: Sound Level Meter

Manufacturer: B&K

I.D.

: EQ0215

Model

: 2238

Serial No.

: 2285722

**Test Conditions** 

Date of Test:

8-Nov-24

Supply Voltage

**Ambient Temperature:** 

 $(23 \pm 3)^{\circ}C$ 

Relative Humidity:  $(50 \pm 25) \%$ 

### **Test Specifications**

Calibration check.

The UUT has an indication that it conforms to IEC 61672 Class 1.

Ref. Document/Procedure: Z01, IEC 61672-1:2002.

### **Test Results**

All results were within the IEC 61672 Class 1 specification or Tolerance.(where applicable)

The results are shown in the attached page(s).

Main Test equipment used:

Equipment No. Description

Cert. No.

Traceable to

S017

Multi-Function Generator

C211339

SCL-HKSAR

S240

Sound Level Calibrator

405380

NIM-PRC & SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI), or by reference to a natural constant. The test results apply to the above Unit-Under-Test only

Calibrated by

Approved by:

Kin Wong

This Certificate is issued by

Tel: 2425 8801 Fax: 2425 8646

Hong Kong Calibration Ltd. Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong

8-Nov-24



Certificate No. 411103

Page 2 of 4 Pages

All tests were performed on the UUT's Reference Level Range: 54.0-134.0 dB, unless specified otherwise.

Results:

### Acoustical signal test

### 1. Indication at the Calibration Check Frequency (1kHz)

UUT Setting		Applied Value (dB)	UUT Reading (dB)
Weight. Response			After Adjust.*
A	F	94.0	93.8
	S		93.8
C	F		93.8
L			93.8

<sup>\*</sup>Adjustment using the customer's sound calibrator was performed immediately before test.

Tolerance :  $\pm$  1.0 dB Uncertainty :  $\pm$  0.1 dB

Self-generated noise (Microphone Installed, most sensitive range): 23.7 dBA

### Electrical signal tests

### 2. Frequency weightings (A,F)

Freq	uency	Attenuation (dB)	IEC 61672-1 Class 1 Spec.
31.5	Hz	-39.5	- 39.4 dB, ± 1.5 dB
63	Hz	-26.2	- 26.2 dB, ± 1.0 dB
125	Hz	-16.2	- 16.1 dB, ± 1.0 dB
250	Hz	-8.7	- 8.6 dB, ± 1.0 dB
500	Hz	-3.3	- 3.2 dB, ± 1.0 dB
1	kHz	0.0 (Ref)	$0 \text{ dB}, \pm 0.7 \text{ dB}$
2	kHz	+1.2	+ 1.2 dB, ± 1.0 dB
4	kHz	+0.9	+ 1.0 dB, ± 1.0 dB
8	kHz	-1.3	- 1.1 dB, + 1.5 dB ~ -2.5 dB
16	kHz	-6.8	- $6.6 \text{ dB}$ , $+ 2.5 \text{ dB} \sim - 16.0 \text{ dB}$

Uncertainty:  $\pm 0.1 \text{ dB}$ 

Certificate No. 411103

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### 3. Frequency & Time weightings

### 3.1 Frequency Weighting (1kHz)

UUT Setting				
Time Weight.	Freq. Weight.	Anticipated Value	UUT	IEC 61672-1
		(dB)	Reading (dB)	Class 1 Spec.
F	A	94.0	94.0 (Ref.)	
	С		94.0	± 0.2 dB
	L		94.0	

Uncertainty:  $\pm 0.1 \text{ dB}$ 

### 3.2 Time Weighting (1kHz)

UUT Setting				
Time Weight.	Freq. Weight.	Anticipated Value	UUT	IEC 61672-1
		(dB)	Reading (dB)	Class 1 Spec.
F	A	94.0	94.0 (Ref.)	
S			94.0	± 0.1 dB
eq		-	93.9	

Uncertainty: ± 0.1 dB

### 5. Level Linearity on the Reference Level Range (8 kHz, A, F)

Anticipated Value (dB)	UUT Reading (dB)	IEC 61672-1 Class 1 Spec.
124.0	123.8	± 0.8 dB
114.0	113.9	-
104.0	103.9	-
94.0	94.0 (Ref.)	
84.0	84.0	
74.0	74.0	
64.0	64.1	
54.0	54.2	

Uncertainty: ± 0.1 dB



Certificate No. 411103

Page 4 of 4 Pages

### 6. Level Linearity including the level range control ( $1\ kHz,\,A,\,F$ )

UUT Range (dB)	Anticipated Value (dB)	UUT Reading (dB)	IEC 61672-1 Class 1 Spec.
14.0-94.0	94.0	93.8	± 0.8 dB
24.0-104.0		94.0	
34.0-114.0		94.0	
44.0-124.0		94.0	
54.0-134.0		94.0 (Ref.)	
64.0-144.0		94.1	

Uncertainty:  $\pm 0.1 dB$ 

Remarks: 1. UUT: Unit-Under-Test

2. The uncertainty claimed is for a confidence probability of not less than 95%.

3. Atmospheric Pressure: 1 008 hPa.

4. Microphone model: 4188, S/N: 2812706.

----- END -----

# Certificate of Calibration

for

Description:

Sound Level Meter

Manufacturer:

**RION** 

Type No.:

NL-52 (Serial No.: 00921191)

Microphone:

RION UC-59 (Serial No.: 12910)

Preamplifier:

NH-25 (Serial No.: 32609)

### Submitted by:

Customer:

Action-United Environmental Services & Consulting

Address:

Unit A, 20/F, Gold King Industrial Building

35-41 Tai Lin Pai Road, Kwai Chung,

New Territories, Hong Kong

Upon receipt for calibration, the instrument was found to be:

**☑** Within (31.5Hz – 8kHz)

☐ Outside

the allowable tolerance.

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

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 16 December 2024

Date of calibration: 20 December 2024

Date of NEXT calibration: 19 December 2025

Calibrated by:

Calibration Technician

Date of issue: 20 December 2024

Certified by:\_

Mr. Ng Yan Wa Laboratory Manager

Certificate No.: APJ24-111-CC001

Page 1 of 4



### 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

### 2. Calibration Conditions:

Air Temperature:

23.3 °C

Air Pressure:

1005 **hPa** 

Relative Humidity:

25.1 %

### 3. Calibration Equipment:

Type

Serial No.

Calibration Report Number

Traceable to

**Multifunction Calibrator** 

B&K 4226

2288467

AV240081

HOKLAS

### 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA	SPL	Fast	94	1000	94.0	±0.4

### Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.0	Ref
30-130	dBA	SPL	Fast	104	1000	104.0	±0.3
				114		114.0	±0.3

### Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB Frequency, Hz		dB	Specification, dB
20.120	dBA	SPL	Fast	0.4	1000	94.0	Ref
30-130 d	UDA	UDA SPL	Slow	94	1000	94.0	±0.3

Certificate No.: APJ24-111-CC001



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### Frequency Response

### Linear Response

Sett	Setting of Unit-under-test (UUT)				ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	94.0	±2.0
					63	94.2	±1.5
					125	94.1	±1.5
					250	94.1	±1.4
30-130	dB	SPL	Fast	94	500	94.1	±1.4
					1000	94.0	Ref
					2000	93.6	±1.6
					4000	92.8	±1.6
					8000	91.0	+2.1; -3.1

### A-weighting

Setting of Unit-under-test (UUT)				Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
			,		31.5	54.7	-39.4 ±2.0
					63	68.0	-26.2 ±1.5
					125	78.0	-16.1 ±1.5
					250	85.4	-8.6 ±1.4
30-130	dBA	SPL	Fast	94	500	90.8	-3.2 ±1.4
			÷		1000	94.0	Ref
					2000	94.8	+1.2 ±1.6
					4000	93.8	+1.0 ±1.6
					8000	90.1	-1.1+2.1; -3.1

### C-weighting

Sett	Setting of Unit-under-test (UUT)				Applied value		IEC 61672 Class 1
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	91.0	-3.0 ±2.0
				2	63	93.3	$-0.8 \pm 1.5$
					125	93.9	-0.2 ±1.5
					250	94.1	$-0.0 \pm 1.4$
30-130	dBC	SPL	Fast	94	500	94.1	$-0.0 \pm 1.4$
				Life.	1000	94.0	Ref
					2000	93.5	$-0.2 \pm 1.6$
					4000	92.0	-0.8 ±1.6
					8000	88.1	-3.0 +2.1: -3.1

Certificate No.: APJ24-111-CC001

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### 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.15
	63 Hz	± 0.10
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

### Note:

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



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# Certificate of Calibration

for

Description:

Sound Level Meter

Manufacturer:

**RION** 

Type No.:

NL-31 (Serial No.: 00410247)

Microphone:

UC-53A (Serial No.: 322738)

Preamplifier:

NH-21 (Serial No.: 36853)

### Submitted by:

Customer:

Action-United Environmental Services & Consulting

Address:

Unit A, 20/F, Gold King Industrial Building

35-41 Tai Lin Pai Road, Kwai Chung,

New Territories, Hong Kong

Upon receipt for calibration, the instrument was found to be:

**☑** Within (31.5Hz – 8kHz)

☐ Outside

the allowable tolerance.

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

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 23 April 2025

Date of calibration: 28 April 2025

Date of NEXT calibration: 27 April 2026

Calibrated by:\_\_\_\_\_

Calibration Technician

\_\_\_\_\_ Certified by:

Mr. Ng Yan Wa Laboratory Manager

Date of issue: 28 April 2025

Page 1 of 4

Certificate No.: APJ25-008-CC004



### 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

### 2. Calibration Conditions:

Air Temperature:

23.2 °**C** 

Air Pressure:

1006 hPa

**Relative Humidity:** 

50.8 %

### 3. Calibration Equipment:

Type

Serial No.

Calibration Report Number

Traceable to

**Multifunction Calibrator** 

B&K 4226

2288467

AV240081

**HOKLAS** 

### 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB Freq. Weighting Time Weighting		Level, dB	Frequency, Hz	dB	Specification, dB		
30-120	dBA	SPL	Fast	94	1000	94.0	±0.4

### Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.0	Ref
30-120	dBA	SPL	Fast	104	1000	104.0	±0.3
				114		114.0	±0.3

### Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
20, 120	Y UF	CDI	Fast	94	1000	94.0	Ref
30-120 dBA	SPL	Slow	94	1000	94.0	±0.3	

Certificate No.: APJ25-008-CC004

Page 2 of 4

Room 422, Leader Industrial Centre, 57-59 Au Pui Wan Street , Fo Tan, Shatin, N.T., Hong Kong
Tel: (852) 2668 3423
Fax: (852) 2668 6946

Homepage: http://www.aa-lab.com

E-mail:inquiry@aa-lab.com



### Frequency Response

### Linear Response

Sett	ing of Un	it-under-t	est (UUT)	Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting		Time Weighting	Level, dB Frequency, Hz		dB	Specification, dB
					31.5	94.1	±2.0
					63	94.2	±1.5
					125	94.1	±1.5
					250	94.1	±1.4
30-120	dB	dB SPL	Fast	94	500	94.1	±1.4
					1000	94.0	Ref
					2000	93.9	±1.6
			v		4000	93.4	±1.6
					8000	92.0	+2.1; -3.1

### A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. Weighting		Time Weighting	Level, dB	Level, dB Frequency, Hz		Specification, dB
					31.5	54.9	-39.4 ±2.0
					63	68.1	-26.2 ±1.5
					125	78.0	-16.1 ±1.5
					250	85.4	-8.6 ±1.4
30-120	dBA	SPL	Fast	94	500	90.8	-3.2 ±1.4
					1000	94.0	Ref
					2000	95.0	+1.2±1.6
					4000	94.4	+1.0±1.6
					8000	91.0	-1.1+2.1; -3.1

### C-weighting

Sett	ing of Un	it-under-t	est (UUT)	Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	91.2	-3.0 ±2.0
					63	93.4	-0.8 ±1.5
					125	94.0	-0.2 ±1.5
-					250	94.1	-0.0 ±1.4
30-120	dBC	SPL	Fast	94	500	95.1	-0.0 ±1.4
					1000	94.0	Ref
					2000	93.7	-0.2 ±1.6
					4000	92.6	-0.8 ±1.6
					8000	89.1	-3.0 +2.1: -3.1

Certificate No.: APJ25-008-CC004



Page 3 of 4



### 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
7	63 Hz	± 0.10
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
4	2000 Hz	± 0.05
,	4000 Hz	± 0.05
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

### Note:

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

IN TESTING LABORNOON WE (A+A) \*L STANDON \*

Page 4 of 4



Certificate No. 411106

of 2 Pages Page

Customer: Action-UnItod Environmental Services & consulting

Address : Unit A, 20/F, Gold King Industrial Building, 35-41 Tai Lin Pai Road, Kwai Chung, New Territories, Hong Kong

Order No.: Q44140 Date of receipt 25-Oct-24

Item Tested

**Description**: Sound Calibrator

Manufacturer: B&K I.D. : EQ082 Model : Type 4231 Serial No. : 2713428

**Test Conditions** 

Date of Test: 8-Nov-24 Supply Voltage : --

Ambient Temperature :  $(23 \pm 3)^{\circ}C$ Relative Humidity:  $(50 \pm 25) \%$ 

**Test Specifications** 

Calibration check.

The UUT has an indication that it conforms to IEC 60942:2017 Class 1.

Ref. Document/Procedure: F21, Z02, IEC 60942:2017.

**Test Results** 

All results were within the IEC 60942 Class 1 specification.

The results are shown in the attached page(s).

Main Test equipment used:

Equipment No.	Description	Cert. No.	Traceable to
S240	Sound Level Calibrator	405380	NIM-PRC & SCL-HKSAR
S014	Spectrum Analyzer	405219	NIM-PRC & SCL-HKSAR
S041	Universal Counter	402289	SCL-HKSAR
S206	Sound Level Meter	405379	SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI), or by reference to a natural constant. The test results apply to the above Unit-Under-Test only

Calibrated by :

Approved by:

8-Nov-24

This Certificate is issued by:

Hong Kong Calibration Ltd.

Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street, Kwai Chung, NT, Hong Kong.



Certificate No. 411106

Page 2 of 2 Pages

Results:

### 1. Generated Sound Pressure Level

UUT Nominal Value (dB)	Measured Value (dB)	IEC 60942 Class 1 Spec.
94.0	94.1	± 0.4 dB
114.0	114.0	

Uncertainty:  $\pm 0.2 \text{ dB}$ 

2. Short-term Level Fluctuation: 0.0 dB

IEC 60942 Class 1 Spec. :  $\pm$  0.1 dB

Uncertainty: ± 0.05 dB

### 3. Frequency

UUT Nominal Value (kHz)	Measured Value (kHz)	IEC 60942 Class 1 Spec.
1	1.000	± 1 %

Uncertainty:  $\pm 3.6 \times 10^{-6}$ 

4. Total Distortion + Noise: < 0.2 % IEC 60942 Class 1 Spec.: < 3.0 % Uncertainty: ± 2.3 % of reading

Remark: 1. UUT: Unit-Under-Test

2. The uncertainty claimed is for a confidence probability of not less than 95%.

3. Atmospheric Pressure: 1 008 hPa.

----- END -----



Certificate No. 411107

Page 1 of 2 Pages

Customer: Action-Unitod Environmental Services & consulting

Address : Unit A, 20/F, Gold King Industrial Building, 35-41 Tai Lin Pai Road, Kwai Chung, New Territories, Hong Kong

Order No.: Q44140

Date of receipt

25-Oct-24

Item Tested

**Description**: Sound Level Calibrator

Manufacturer: Rion

I.D.

: EQ085

Model

: NC-73

Serial No.

10655561

**Test Conditions** 

Date of Test:

8-Nov-24

Supply Voltage

Ambient Temperature :

 $(23 \pm 3)^{\circ}$ C

Relative Humidity:  $(50 \pm 25) \%$ 

**Test Specifications** 

Calibration check.

Ref. Document/Procedure: F21, Z02, IEC 60942:2017.

### Test Results

The results are shown in the attached page(s).

Main Test equipment used:

Equipment No.	<u>Description</u>	Cert. No.	Traceable to
S014	Spectrum Analyzer	405219	NIM-PRC & SCL-HKSAR
S240	Sound Level Calibrator	405380	NIM-PRC & SCL-HKSAR
S041	Universal Counter	402289	SCL-HKSAR
S206	Sound Level Meter	405379	SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI), or by reference to a natural constant. The test results apply to the above Unit-Under-Test only

Calibrated by :

Approved by:

Kin Wong

This Certificate is issued by:

Hong Kong Calibration Ltd.

Date:

8-Nov-24



Certificate No. 411107

Page 2 of 2 Pages

### Results:

### 1. Generated Sound Pressure Level

UUT Nominal Value (dB)	Measured Value (dB)	Tolerance
94.0	94.1	( Ref: IEC 60942 Class 2 Spec.) ± 0.4 dB

Uncertainty:  $\pm 0.2 \text{ dB}$ 

2. Short-term Level Fluctuation: 0.0 dB

 $Tolerance_{(\,Ref.\,IEC\,60942\,Class\,2\,Spec.)}:\pm\,0.15\,\,dB$ 

Uncertainty:  $\pm 0.05 \text{ dB}$ 

### 3. Frequency

UUT Nominal Value (kHz)	Measured Value (kHz)	Tolerance
1	*0.952	( Ref: IEC 60942 Class 2 Spec.) ± 1.7 %

Uncertainty:  $\pm 3.6 \times 10^{-6}$ 

4. Total Distortion + Noise : < 0.1 %

 $Tolerance_{(\,Ref.\,\,IEC\,\,60942\,\,Class\,\,2\,\,Spec.)}:<3.0\,\,\%$   $Uncertainty:\pm2.3\,\,\%\ of\ reading$ 

Remark: 1. UUT: Unit-Under-Test

- 2. The uncertainty claimed is for a confidence probability of not less than 95%.
- 3. Atmospheric Pressure: 1 008 hPa.
- 4. \*Out of Tolerance.

----- END -----

# Certificate of Calibration

for

Description:

Sound Level Calibrator

Manufacturer:

**RION** 

Type No.:

NC-75

Serial No.:

34680623

### Submitted by:

Customer:

Action-United Environmental Services & Consulting

Address:

Unit A, 20/F, Gold King Industrial Building

35-41 Tai Lin Pai Road, Kwai Chung,

New Territories, Hong Kong

**☑** Within

Outside

### the allowable tolerance.

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

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

Date of receipt: 23 April 2025

Date of calibration: 28 April 2025

Date of NEXT calibration: 27 April 2026

Calibrated by:\_

Calibration Tachnician

Certified by:

Mr. Ng Yan Wa Laboratory Manager

Date of issue: 28 April 2025

Certificate No.: APJ25-008-CC005

MR TESTING LABORATOR (A+A) \*L

Page 1 of 2

### Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

#### 1. Calibration Precautions:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

#### *2*. Calibration Specifications:

Calibration check

#### 3. Calibration Conditions:

Air Temperature:	23.2 °C		
Air Pressure:	1006 hPa		
Relative Humidity:	50.8 %		

#### Calibration Equipment: 4.

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV240109	HOKLAS

#### *5*. Calibration Results

#### 5.1 Sound Pressure Level

Nominal value Accept lower level dB dB		Accept upper level dB	Measured value dB
94.0	93.6	94.4	94.0

#### 6. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 60942 Class 1.

### Note:

The values given in this certification only related to the values measured at the time of the calibration.



Certificate No.: APJ25-008-CC005

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Homepage: http://www.aa-lab.com



## Appendix F

**Event and Action Plan** 

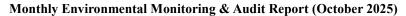


#### **Event / Action Plan for construction dust**

E4		Action		
Event	ET	IEC	ER	Contractor
Action Level exceedance for one sample	I. Identify source, investigate the causes of exceedance and propose remedial measures;     Inform IEC, ER and Contractor;     Repeat measurement to confirm finding; and     Increase monitoring frequency to daily.	Check monitoring data submitted by ET;     Check Contractor's working method; and     Review and advise the ET and ER on the effectiveness of the proposed remedial measures.	1. Notify Contractor.	I. Identify source, investigate the causes of exceedance and propose remedial measures;     Rectify any unacceptable practice and implement remedial measures; and     Amend working methods agreed with ER if appropriate.
Action Level exceedance for two or more consecutive samples	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Inform IEC, ER and Contractor;</li> <li>Advise the ER and Contractor on the effectiveness of the proposed remedial measures;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Discuss with IEC, ER and Contractor on remedial actions required;</li> <li>If exceedance continues, arrange meeting with IEC and ER; and</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	Check monitoring data submitted by ET;     Check Contractor's working method;     Discuss with ET and Contractor on possible remedial measures;     Advise the ET and ER on the effectiveness of the proposed remedial measures; and     Supervise Implementation of remedial measures.	Confirm receipt of notification of failure in writing;     Notify Contractor; and     Supervise and ensure remedial measures properly implemented.	I. Identify source, investigate the causes of exceedance and propose remedial measures;     Submit proposals for remedial actions to ER with a copy to ET and IEC within 3 working days of notification;     Implement the agreed proposals; and     Amend proposal if appropriate.
Limit Level exceedance for one sample	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Inform ER, Contractor, IEC and EPD;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily; and</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET, ER and Contractor on possible remedial measures;</li> <li>Advise the ER and ET on the effectiveness of the proposed remedial measures; and</li> <li>Supervise implementation of remedial measures.</li> </ol>	Confirm receipt of notification of failure in writing;     Notify Contractor; and     Supervise and ensure remedial measures properly implemented.	I. Identify source, investigate the causes of exceedance and propose remedial measures;     Take immediate action to avoid further exceedance;     Submit proposals for remedial actions to ER with a copy to ET and IEC within 3 working days of notification;     Implement the agreed proposals; and    Amend proposal if appropriate.
Limit Level exceedance for two or more consecutive samples	<ol> <li>Notify IEC, ER, Contractor and EPD;</li> <li>Identify source;</li> <li>Repeat measurement to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>Arrange meeting with IEC, Contractor and ER to discuss the remedial actions to be taken;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li> <li>Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and</li> <li>Supervise the implementation of remedial measures.</li> </ol>	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise and ensure remedial measures properly implemented; and 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to ER with a copy to ET and IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Resubmit proposals if problem still not under control; and</li> <li>Stop the relevant portion of works as determined by the ER until the exceedance is abated.</li> </ol>

#### **CEDD Service Contract No. EDO 12/2023**

 $\label{lem:condition} \textbf{Environmental Team for Development of Anderson Road Quarry Site-Site Formation and Associated Infrastructure Works}$ 





#### **Event and Action Plan for Construction Noise**

E4	Action			
Event	ET	IEC	ER	Contractor
Action Level Exceedance	<ol> <li>Notify IEC, ER and Contractor;</li> <li>Carry out investigation;</li> <li>Report the results of investigation to the IEC, ER and Contractor;</li> <li>Discuss with the Contractor and formulate remedial measures; and</li> <li>Increase monitoring frequency to check mitigation effectiveness.</li> </ol>	1. Review the analysed results submitted by the ET;  2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; and  3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analysed noise problem; and 4. Ensure remedial measures are properly implemented.	1. Submit noise mitigation proposals to IEC and ER; and 2. Implement noise mitigation proposals.
Limit Level Exceedance	<ol> <li>Identify source;</li> <li>Inform IEC, ER, EPD and Contractor;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency;</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>Inform IEC, ER and EPD the causes and actions taken for the exceedances;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions;  2. Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and  3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. Require Contractor to propose remedial measures for the analysed noise problem; 4. Ensure remedial measures properly implemented; and 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.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; and 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.



## Appendix G

**Impact Monitoring Schedule** 

### CEDD Service Contract No. EDO 12/2023 Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works



Monthly Environmental Monitoring & Audit Report (October 2025)

**Impact Monitoring Schedule for the Reporting Period** 

Impact	violitoring Scheu	ule for the Reporting Period	AIR QUALITY	MONITORING
		NOISE MONITORING	AIR QUALITI	WIONITOKING
	Date	(0700 – 1900)	1-HOUR TSP	24-HOUR TSP
Wed	1-Oct-25			
Thu	2-Oct-25			
Fri	3-Oct-25			
Sat	4-Oct-25		✓	
Sun	5-Oct-25			
Mon	6-Oct-25			✓
Tue	7-Oct-25			
Wed	8-Oct-25			
Thu	9-Oct-25			
Fri	10-Oct-25	✓	✓	
Sat	11-Oct-25			✓
Sun	12-Oct-25			
Mon	13-Oct-25			
Tue	14-Oct-25			
Wed	15-Oct-25			
Thu	16-Oct-25	<b>✓</b>	✓	
Fri	17-Oct-25			✓
Sat	18-Oct-25			
Sun	19-Oct-25			
Mon	20-Oct-25			
Tue	21-Oct-25			
Wed	22-Oct-25	✓	✓	
Thu	23-Oct-25			✓
Fri	24-Oct-25			
Sat	25-Oct-25			
Sun	26-Oct-25			
Mon	27-Oct-25	<b>√</b>	✓	,
Tue	28-Oct-25			✓
Wed	29-Oct-25			
Thu	30-Oct-25			
Fri	31-Oct-25			

✓	Monitoring Day
	Sunday or Public Holiday

### CEDD Service Contract No. EDO 12/2023 Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works



**Monthly Environmental Monitoring & Audit Report (October 2025)** 

**Impact Monitoring Schedule for next Reporting Period** 

		NOISE MONITORING	AIR QUALITY	MONITORING
	Date	(0700 – 1900)	1-HOUR TSP	24-HOUR TSP
Sat	1-Nov-25		✓	
Sun	2-Nov-25			
Mon	3-Nov-25			✓
Tue	4-Nov-25			
Wed	5-Nov-25			
Thu	6-Nov-25			
Fri	7-Nov-25	✓	✓	
Sat	8-Nov-25			✓
Sun	9-Nov-25			
Mon	10-Nov-25			
Tue	11-Nov-25			
Wed	12-Nov-25			
Thu	13-Nov-25	✓	✓	
Fri	14-Nov-25			✓
Sat	15-Nov-25			
Sun	16-Nov-25			
Mon	17-Nov-25			
Tue	18-Nov-25			
Wed	19-Nov-25	✓	✓	
Thu	20-Nov-25			✓
Fri	21-Nov-25			
Sat	22-Nov-25			
Sun	23-Nov-25			
Mon	24-Nov-25			
Tue	25-Nov-25	✓	✓	
Wed	26-Nov-25			✓
Thu	27-Nov-25			
Fri	28-Nov-25			
Sat	29-Nov-25			
Sun	30-Nov-25			

✓	Monitoring Day
	Sunday or Public Holiday



## Appendix H

**Database of Monitoring Result** 



#### 24-HOUR TSP MONITORING RESULT DATABASE

24-hour TS	P Monitorir	ng Data fo	r AMS1a												
DATE	SAMPLE NUMBER		APSED TIN		R	CHAR' EADIN	lG	AVG TEMP	AVG AIR PRESS	STANDARD FLOW RATE	AIR VOLUME	FILTER V	)	DUST WEIGHT COLLECTED	24-hr TSP
		INITIAL		(min)		MAX		(°C)	(hPa)	(m³/min)	(std m <sup>3</sup> )	INITIAL	FINAL	(g)	$(\mu g/m^3)$
6-Oct-25			29663.96		41	41	41	28.6	1031.1	1.47	2115	2.596	2.633	0.037	17
11-Oct-25	21969		29687.96		41	41	41	32.5	1011.4	1.45	2092	2.7396	2.77	0.0304	15
17-Oct-25					41	41	41	29.6	1014	1.46	2101	2.7392	2.7847	0.0455	22
23-Oct-25	21761	29711.96	29735.96	1440.00	41	41	41	20.8	1017.2	1.48	2124	2.5879	2.6242	0.0363	17
28-Oct-25	21959	29735.96	29759.96	1440.00	41	41	41	19.1	1024.4	1.48	2133	2.7298	2.7746	0.0448	21
24-hour TS	P Monitorir	ng Data fo	r AMS-5												
DATE	SAMPLE NUMBER	EL <i>A</i> INITIAL	APSED TIN	ME (min)	R	CHAR' EADIN MAX	IG	AVG TEMP (°C)	AVG AIR PRESS (hPa)	STANDARD FLOW RATE (m³/min)	AIR VOLUME (std m <sup>3</sup> )	FILTER V (g INITIAL		DUST WEIGHT COLLECTED (g)	$\begin{array}{c} 24-hr \\ TSP \\ (\mu g/m^3) \end{array}$
6-Oct-25	21925				39	39	39.0	28.6	1031.1	1.39	2003	2.6050	2.6277	0.0227	11
11-Oct-25	21967			1440.00	39	39	39.0	32.5	1011.4	1.38	1981	2.7337	2.7813	0.0476	24
17-Oct-25	21963				39	39	39.0	32.2	1014	1.38	1983	2.7434	2.7949	0.0515	26
23-Oct-25	21957				39	39	39.0	20.8	1017.2	1.40	2011	2.7310	2.7723	0.0413	21
28-Oct-25	22017				39	39	39.0	19.1	1024.4	1.40	2020	2.6243	2.7234	0.0991	49
24-hour TS	P Monitorir							l	l .		I.				L
DATE	SAMPLE NUMBER	ELA	APSED TIN		R	CHAR' EADIN	lG	AVG TEMP	AVG AIR PRESS	STANDARD FLOW RATE	AIR VOLUME	FILTER V	)	DUST WEIGHT COLLECTED	24-hr TSP
( O-+ 25	21927	INITIAL	FINAL 22776.10	(min)	42	MAX 42	42.0	(°C) 28.6	(hPa) 1031.1	(m³/min)	(std m³)	INITIAL	FINAL	(g) 0.0687	$\frac{(\mu g/m^3)}{33}$
6-Oct-25			22800.10		42	42	42.0	32.5	1031.1	1.46	2106 2082	2.5981 2.7377	2.6668	0.0687	24
17-Oct-25			22824.10		42	42	42.0	32.3	1011.4	1.45 1.45		2.7377	2.7880 2.7906	0.0303	31
23-Oct-25			22848.10		42	42	42.0	20.8	1014	1.43	2084 2115	2.7231	2.7880		31
28-Oct-25					42	42	42.0	19.1	1017.2	1.47	2113		2.7880	0.0658 0.0964	45
			22872.10	1440.00	42	42	42.0	19.1	1024.4	1.48	2123	2.6185	2./149	0.0964	43
24-hour TS		ig Data io	r AMS-/			CIIA D'	г	ANC	LANC AID	CTANDADD	AID	EH TED V	VEIGHT.	DUCT WEIGHT	241
DATE	SAMPLE NUMBER		APSED TIN		R	CHAR' EADIN	lG	AVG TEMP	AVG AIR PRESS	STANDARD FLOW RATE	AIR VOLUME	FILTER V	)	DUST WEIGHT COLLECTED	24-hr TSP
		INITIAL		(min)		MAX		(°C)	(hPa)	(m³/min)	(std m³)	INITIAL	FINAL	(g)	(µg/m³)
6-Oct-25	21923		17579.32		41	41	41.0	28.6	1031.1	1.44	2067	2.5977	2.6306	0.0329	16
11-Oct-25	21958				41	41	41.0	32.5	1011.4	1.42	2044	2.6018	2.6451	0.0433	21
17-Oct-25	21965				41	41	41.0	32.2	1014	1.42	2046	2.7309	2.7508	0.0199	10
23-Oct-25	22019		17651.32		41	41	41.0	20.8	1017.2	1.44	2076	2.6205	2.6508	0.0303	15
28-Oct-25	22016	17651.32	17675.32	1440.00	41	41	41.0	19.1	1024.4	1.45	2086	2.6165	2.6398	0.0233	11



#### NOISE MONITORING RESULT DATABASE FOR CONTRACT 1

Noise Measu	uremer	ıt Resul	lts (dB)	of NMS1																	
	Stant	19	st Leq (	5min)	2nd	Leq (51	min)	3rd	Leq (51	min)	4th	Leq (51	min)	5th	Leq (5r	nin)	6th	Leq (5r	nin)	Leq30	Limit
	Start Time	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	min,	Level
	Time	$\begin{array}{c cccc} & & & & & & & & & & & & \\ & & & & & & $			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)												
10-Oct-25	9:00	69.0	74.3	60.6	64.0	66.8	57.7	68.5	67.7	66.4	71.4	77.2	63.9	68.0	71.1	633	69.9	73.2	58.8	69	70
16-Oct-25	8:30	64.9	69.6	54.6	67.5	72.3	56.2	64.1	70.8	54.0	67.3	70.9	53.7	68.5	73.3	55.7	66.7	70.7	53.8	67	70
22-Oct-25	8:25	70.1	73.8	57.7	69.8	73.5	57.9	64.1	70.8	54.0	67.3	70.9	53.7	68.5	73.3	55.7	66.7	70.7	53.8	68	70
27-Oct-25	8:35	68.2	70.8	53.1	67.5	72.1	56.2	70.3	73.5	54.6	67.3	71.4	53.4	66.1	69.0	54.0	68.4	72.2	52.9	68	70

Noise Meas	uremer	ıt Resul	lts (dB)	of NMS2																	
	Stant	1:	st Leq (	5min)	2nd	Leq (51	min)	3rd	Leq (5r	nin)	4th	Leq (51	min)	5th	Leq (51	min)	6th	Leq (51	nin)	Leq30	Limit
Date	Start Time	ΔΩ	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	min,	Level
	1 IIIIC	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
10-Oct-25	10:30	60.7	62.2	59.1	61.4	63.0	59.7	62.3	63.8	58.5	60.2	61.7	58.3	60.1	61.9	57.9	60.1	61.5	57.5	61	70
16-Oct-25	10:32	63.3	66.5	60.5	59.6	63.6	51.5	59.8	63.8	51.2	65.8	68.5	62.5	63.9	67.5	61.5	62.6	66.0	60.5	63	70
22-Oct-25	10:30	60.8	62.2	59.1	61.4	63.0	59.7	62.3	63.8	60.0	61.7	63.5	59.5	62.8	64.6	60.4	61.2	63.1	59.8	62	70
27-Oct-25	10:35	61.3	64.5	58.5	60.7	63.4	57.2	62.1	65.7	58.0	61.8	64.3	58.4	60.9	63.6	57.2	65.3	67.2	54.3	62	70

Noise Meas	uremer	ıt Resu	lts (dB)	of NMS	S3																
	Stort	1st	Leq (5n	nin)	2nd	Leq (5	min)	3rd	Leq (51	min)	4th	Leq (51	min)	5th	Leq (51	min)	6th	Leq (51	nin)	Lag20min	Limit
Date	Start Time	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq30min, dB(A)	Level
		dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	ub(A)	dB(A)
10-Oct-25	13:00	59.7	62.7	56.4	63.0	65.0	57.0	58.9	61.6	53.7	60.1	62.3	62.6	57.2	59.9	53.6	62.2	64.8	57.5	61	75
16-Oct-25	13:26	59.5	62.9	52.0	63.3	66.4	59.3	59.2	61.8	57.0	61.3	65.0	58.2	62.1	64.2	56.7	62.8	64.5	58.8	62	75
22-Oct-25	11:27	63.5	67.9	57.5	62.4	66.5	55.2	62.3	66.9	55.5	61.8	65.5	55.7	62.7	64.9	54.8	63.9	68.2	56.9	63	75
27-Oct-25	14:00	62.3	67.2	60.3	60.7	62.5	58.4	63.8	65.5	60.1	62.5	63.8	60.4	63.9	67.6	60.0	64.9	65.5	56.0	63	75

Noise Mea	sureme	ent Resu	ults (dB	of NM	S4a																
	Start	1st	Leq (5n	nin)	2nd	Leq (51	min)	3rd	Leq (51	min)	4th	Leq (5r	nin)	5th	Leq (51	nin)	6th	Leq (51	nin)	Leq30m	Limit
Date	Time	~~	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	in,	Level
	Time	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
10-Oct-25	9:45	61.9	63.8	59.6	61.3	62.7	59.1	59.5	60.7	57.8	59.5	61.0	57.4	60.7	62.3	58.8	57.8	60.0	56.3	60	75
16-Oct-25	9:40	60.1	63.7	51.9	62.7	66.0	56.0	61.7	65.4	53.2	59.5	58.2	60.5	60.7	62.3	58.8	61.1	63.1	56.9	61	75
22-Oct-25	9:38	63.4	65.2	54.1	68.0	67.5	54.8	64.9	68.4	56.9	62.8	64.9	57.4	63.5	64.6	61.1	64.4	65.7	58.5	65	75
27-Oct-25	10:30	66.7	69.0	65.5	64.4	67.0	63.5	63.8	58.8	53.5	66.6	68.0	63.5	65.1	67.5	62.0	64.9	66.5	64.0	65	75

#### **CEDD Service Contract No. EDO 12/2023**



Noise Measu	urement	t Resul	ts (dB)	of NMS	5																
	Start		Leq (51	min)	2nd	Leq (5	min)	3rd	Leq (51	min)	4th	Leq (51	nin)	5th	Leq (51	min)	6th	Leq (51	min)	Lag20min	Limit
Date	Start Time	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq30min, dB(A)	Level
	Time	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	ub(A)	dB(A)
10-Oct-25	9:45	61.7	62.9	59.6	64.2	66.3	61.3	56.6	58.0	61.5	63.8	65.5	60.5	62.4	64.5	59.5	63.6	66.0	61.0	63	75
16-Oct-25	10:00	64.3	67.2	58.1	61.9	64.7	58.5	62.9	65.9	59.4	62.5	65.3	58.1	60.9	61.1	58.3	60.1	61.9	57.9	62	75
22-Oct-25	9:40	62.4	65.1	58.1	61.9	64.7	58.5	62.9	65.9	59.4	62.5	65.3	58.1	59.8	61.1	58.3	60.1	61.9	58.1	62	75
27-Oct-25	11:15	62.5	64.2	60.2	64.2	66.3	61.0	63.5	66.1	62.3	63.8	65.7	60.1	62.6	65.8	56.2	60.3	61.3	57.0	63	75

Noise Meas	uremei	nt Resu	lts (dB)	of NM	<b>S6</b>																
	Stort	1st	Leq (5n	nin)	2nd	Leq (5	min)	3rd	Leq (51	min)	4th	Leq (5r	nin)	5th	Leq (51	min)	6th	Leq (5r	nin)	Lag20min	Limit
Date	Start Time	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq30min, dB(A)	Level
	Time	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	ub(A)	dB(A)
10-Oct-25	10:37	63.4	66.5	60.1	62.4	64.7	59.7	67.1	69.3	65.0	67.5	69.1	64.1	65.2	67.4	62.4	66.3	70.0	61.3	66	75
16-Oct-25	10:15	65.3	67.9	63.0	65.9	68.5	59.7	67.1	69.3	62.5	66.8	69.2	64.0	67.2	68.7	65.7	67.7	70.0	64.5	67	75
22-Oct-25	10:21	67.7	70.2	61.4	66.0	68.9	63.1	65.9	68.2	62.7	64.1	66.5	60.1	65.8	68.8	62.1	66.6	69.2	61.9	66	75
27-Oct-25	10:19	63.8	65.9	60.0	63.0	65.0	59.5	65.1	67.5	61.3	65.3	67.8	61.6	64.8	66.3	61.0	65.2	68.5	60.3	65	75

Noise Measu	uremen	t Resul	ts (dB)	of NMS	57																
	Start	1st	Leq (5r	nin)	2nd	Leq (51	min)	3rd	Leq (51	min)	4th	Leq (51	min)	5th	Leq (51	min)	6th	Leq (5r	nin)	Leg30min,	Limit
Date	Time	ΔΩ	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	dB(A)	Level
	Time	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	ub(A)	dB(A)
10-Oct-25	15:20	62.3	65.1	59.3	61.8	65.8	60.6	62.3	60.5	59.6	62.7	64.5	60.5	64.5	67.6	60.0	63.5	66.4	60.3	63	75
16-Oct-25	15:16	63.4	67.6	64.1	62.3	69.5	60.4	65.3	68.3	60.5	66.2	69.1	59.1	65.4	66.7	59.2	64.3	69.5	63.0	65	75
22-Oct-25	9:40	60.9	62.7	55.5	62.4	64.1	57.0	62.0	63.8	57.2	61.9	63.5	56.9	62.1	64.5	57.2	61.5	63.0	56.2	62	75
27-Oct-25	9:00	65.3	67.5	59.5	61.2	65.3	55.1	63.6	65.3	60.8	62.7	64.5	60.5	64.5	67.6	59.9	63.3	69.5	63.0	64	75

Noise Measu	rement	t Result	s (dB) o	of NMS	8																
	Stort	1st	Leq (5r	nin)	2nd	Leq (51	min)	3rd	Leq (51	nin)	4th	Leq (5r	nin)	5th	Leq (5r	nin)	6th	Leq (5r	nin)	Lag20min	Limit
Date	Start Time	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq30min, dB(A)	Level
	Time	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	ub(A)	dB(A)
10-Oct-25	14:45	62.4	65.3	56.1	64.3	67.8	57.8	67.3	70.6	57.5	65.1	67.4	58.0	68.9	69.0	53.7	64.0	66.0	57.5	66	75
16-Oct-25	14:42	60.6	65.2	50.8	59.3	71.1	57.8	67.3	70.6	61.4	66.5	71.1	55.3	64.9	69.0	53.9	61.7	71.5	51.9	64	75
22-Oct-25	13:19	60.8	64.2	53.4	60.5	63.9	53.0	61.9	65.7	53.8	62.5	65.9	54.0	61.0	64.3	55.8	58.2	62.5	52.4	61	75
27-Oct-25	14:45	61.9	65.0	57.2	62.0	65.5	57.8	62.5	64.1	57.5	62.2	66.1	58.5	56.8	59.8	51.2	59.5	62.3	56.5	61	75

#### **CEDD Service Contract No. EDO 12/2023**

Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works Monthly Environmental Monitoring & Audit Report (October 2025)



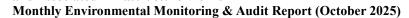
### NOISE MONITORING RESULT DATABASE FOR CONTRACT 3

Noise Measu	ıremen	ıt Resul	ts (dB)	of CN3																	
	Stant	1st	Leq (51	nin)	2nd	Leq (5	min)	3rd	Leq (5	min)	4th	Leq (5r	nin)	5th	Leq (5r	nin)	6th	Leq (5n	nin)	Lag20min	Limit
Date	Start Time	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq,	L10,	L90,	Leq30min, dB(A)	Level
	Time	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	ub(A)	dB(A)
10-Oct-25	9:15	61.7	64.3	56.5	62.7	65.9	57.2	61.7	64.3	59.5	61.8	64.5	58.0	62.9	66.0	58.5	62.5	66.5	59.0	62	75
16-Oct-25	9:06	58.3	63.6	59.8	61.9	64.0	59.8	59.3	64.4	59.5	67.9	69.1	64.0	62.0	64.1	57.6	67.6	68.8	62.9	64	75
22-Oct-25	9:01	60.7	64.1	54.7	57.4	60.1	61.2	57.5	60.0	54.3	58.6	61.8	54.9	60.5	64.7	54.3	61.5	64.9	54.0	60	75
27-Oct-25	9:00	62.6	64.2	57.5	61.2	63.7	58.7	61.0	62.7	58.8	62.1	65.7	57.3	61.0	63.4	57.0	60.4	64.3	56.9	61	75



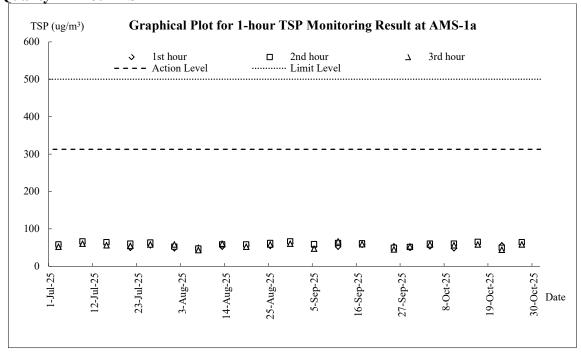
## Appendix I

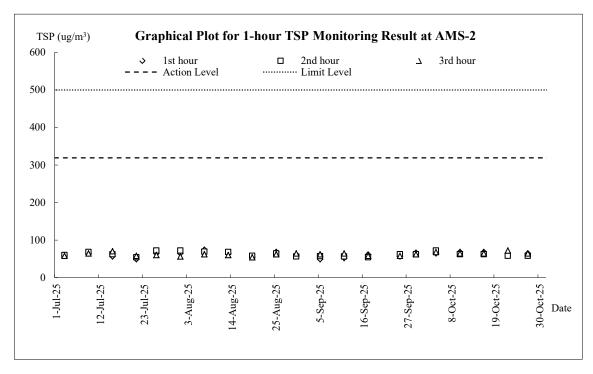
**Graphical Plots for Monitoring Result** 



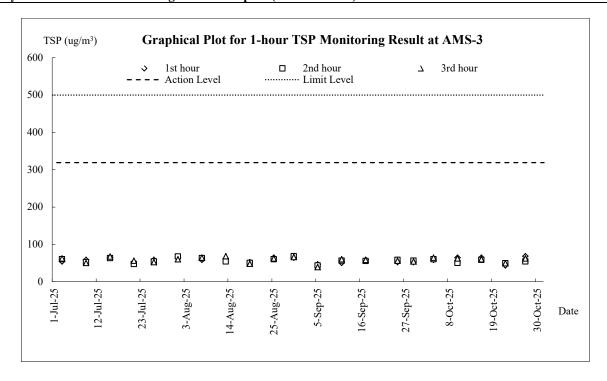


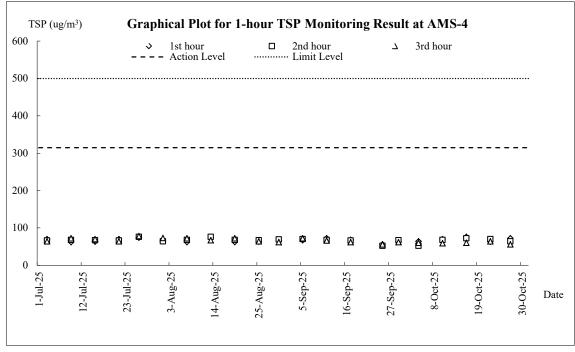
Air Quality - 1-hour TSP

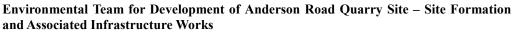




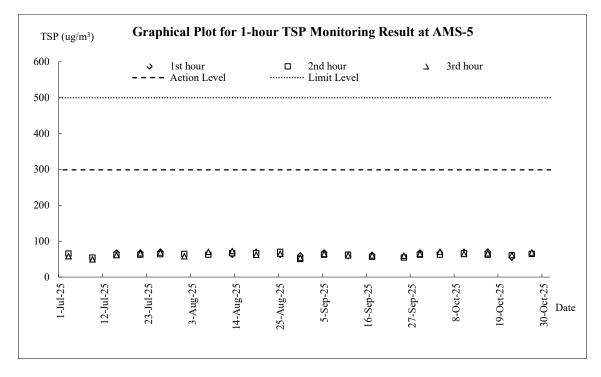


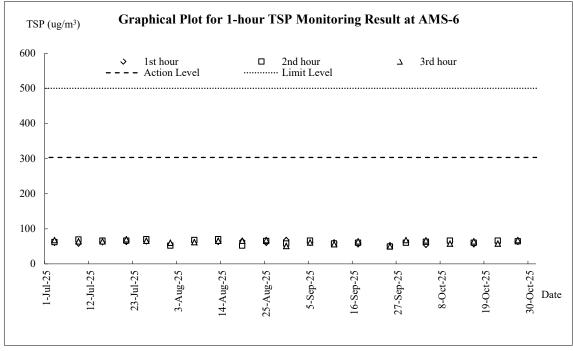




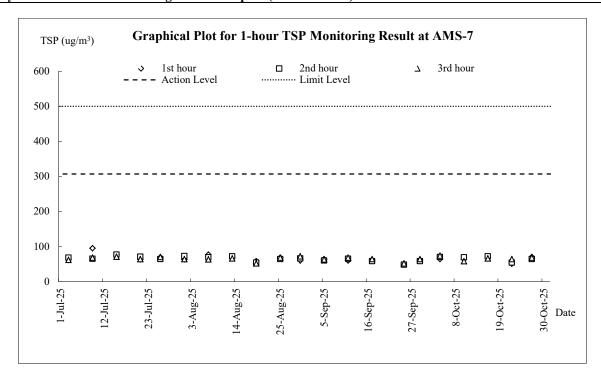






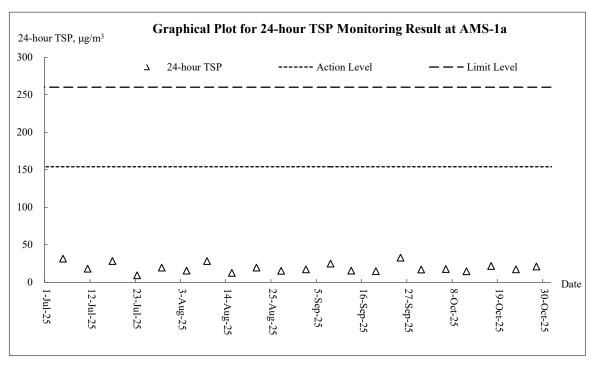


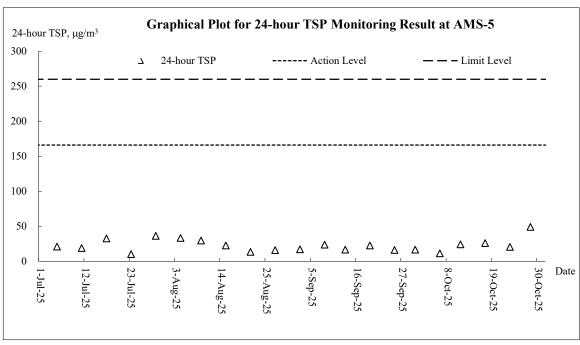




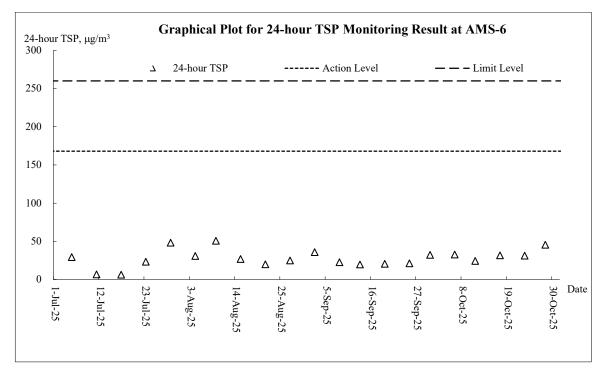


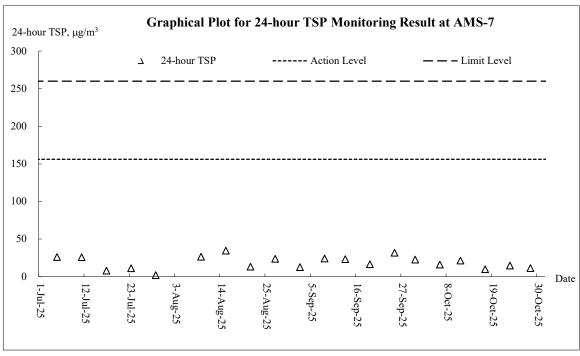
### Air Quality - 24-hour TSP

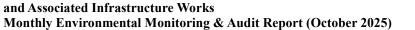






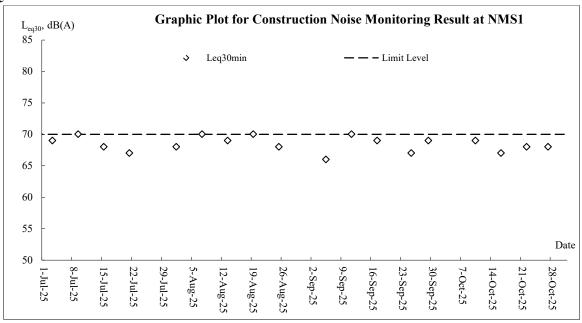


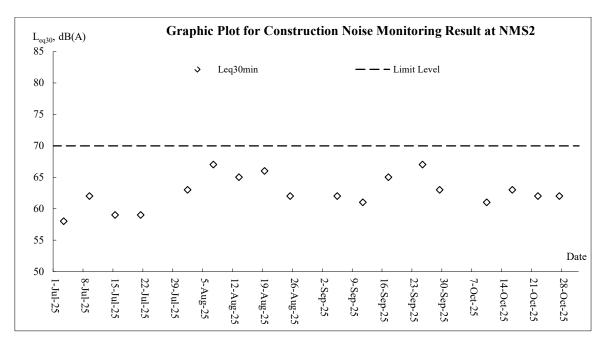




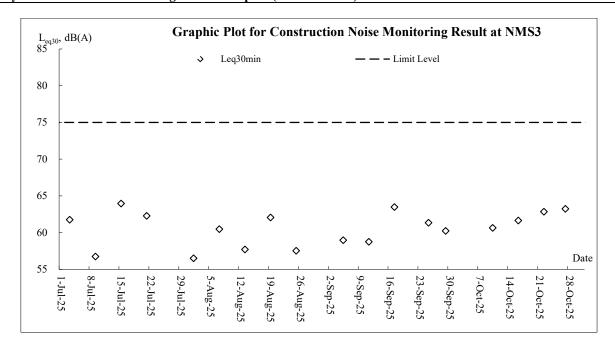


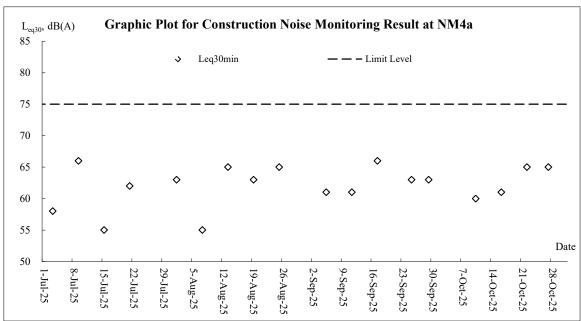
#### Noise



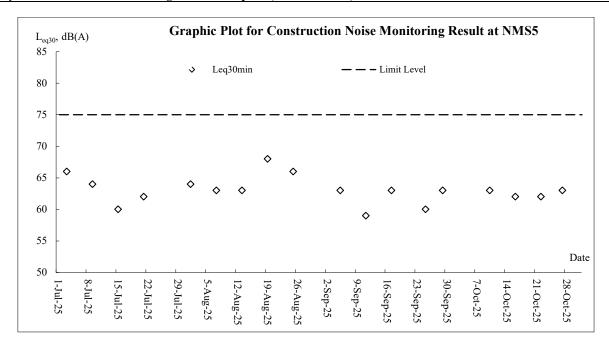


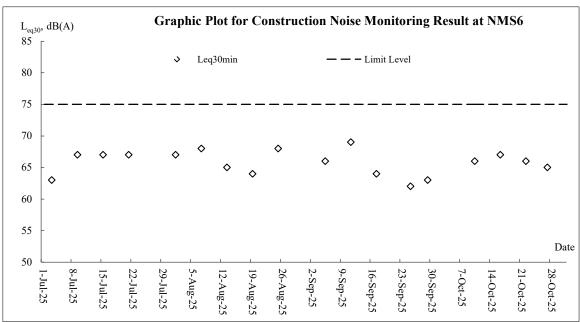




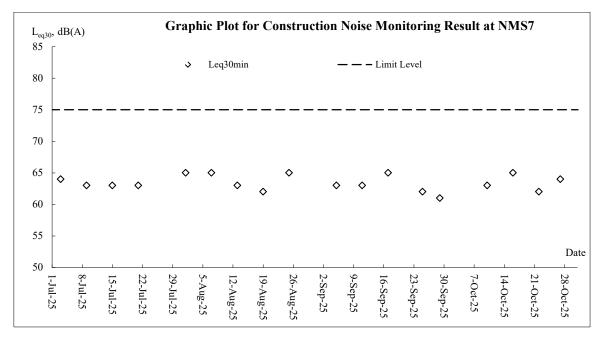


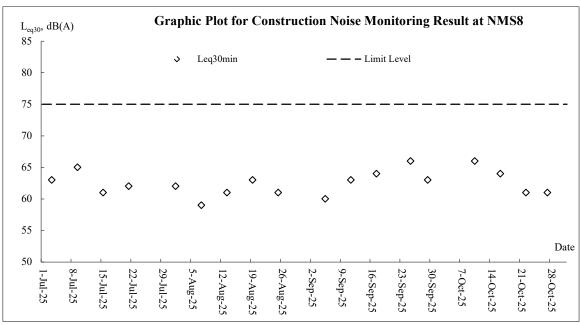




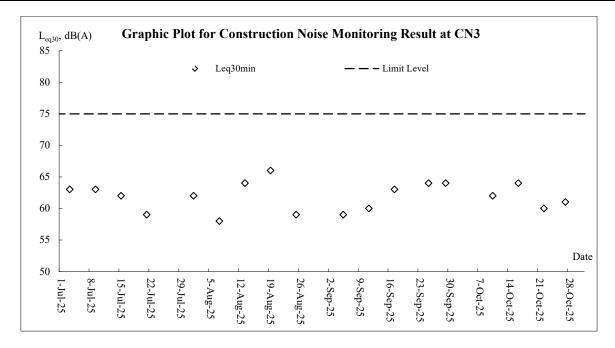














## Appendix J

**Meteorological Data** 

#### CEDD Service Contract No. EDO 12/2023 Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works



			Total	Kwun Tong Station	Kai Tal	k Station	King's Park Station
Date		Weather	Rainfall (mm)	Mean Air Temp. (°C)	Wind Speed (km/h)	Wind Direction	Mean Relative Humidity (%)
1-Oct-25	Wed	Mainly fine. Very hot.	0	30.1	10	SE	73.7
2-Oct-25	Thu	Very hot. Light to moderate easterly winds.	Trace	29.2	13.2	SE	81.5
3-Oct-25	Fri	Very hot. Light to moderate easterly winds.	0	29.6	12.5	SE	75.5
4-Oct-25	Sat	Mainly fine. Very hot.	0.6	29.7	23	Е	76.2
5-Oct-25	Sun	Very hot. Light to moderate easterly winds.	1	28.3	17.5	E/SE	80
6-Oct-25	Mon	Sunny periods. Moderate east to southeasterly winds	0.6	28.7	18	E/SE	80.7
7-Oct-25	Tue	Mainly fine. Very hot and dry	0	30.2	10	SE	71.7
8-Oct-25	Wed	Very hot and dry. Moderate easterly winds.	0	29.7	11.2	E/SE	74.2
9-Oct-25	Thu	Hot with sunny periods.	Trace	29.3	13.7	E/SE	78.2
10-Oct-25	Fri	Isolated showers. Moderate easterly winds.	0.1	28.8	15	E/SE	80
11-Oct-25	Sat	Moderate easterly winds.	0	28.7	12.5	E/SE	78
12-Oct-25	Sun	Sunny periods, a few showers and isolated thunderstorms.	15.7	27.2	19.5	E/SE	80
13-Oct-25	Mon	Mainly fine apart from isolated showers	3.8	28.9	13.7	E/SE	81.7
14-Oct-25	Tue	Hot in the afternoon. Moderate east to northeasterly winds.	5.5	28.9	9.7	E/SE	79.7
15-Oct-25	Wed	Mainly fine. Hot	0	29.2	11.2	E/SE	68.7
16-Oct-25	Thu	Hot. Moderate easterly winds	0	29.1	13.2	E/SE	69
17-Oct-25	Fri	Hot with sunny periods.	0	28.9	14.2	E/SE	70.5
18-Oct-25	Sat	Mainly fine. Very hot and dry	0	29.7	15.7	SE	73.2
19-Oct-25	Sun	Hot with sunny periods.	0	29.9	11.2	N/NE	60.5
20-Oct-25	Mon	Mainly fine. Very hot and dry	Trace	25.6	13.7	N/NE	58.5
21-Oct-25	Tue	Hot in the afternoon. Moderate east to northeasterly winds.	0.1	21.4	11.7	N/NE	70
22-Oct-25	Wed	Moderate to fresh northerly winds, strong offshore.	3.3	18.7	12.5	NW	74.2
23-Oct-25	Thu	Mainly cloudy. One or two light rain	0	20.8	15.5	NW	64.2
24-Oct-25	Fri	Sunny intervals. Mainly cloudy.	Trace	23	9	W/NW	58.5
25-Oct-25	Sat	Moderate to fresh north to northeasterly winds.	Trace	25.7	10.7	E/NE	58
26-Oct-25	Sun	Moderate north to northeasterly winds, occasionally fresh.	0	26	8.2	N/NE	52
27-Oct-25	Mon	Mainly cloudy. One or two light rain	Trace	23.2	9.2	N/NE	61.7
28-Oct-25	Tue	Mainly cloudy. One or two light rain patches.	0.5	Maintena nce	10.0	NW	74.2
29-Oct-25	Wed	Moderate north to northeasterly winds.	Trace	23.2	13	E/SE	74.2
30-Oct-25	Thu	Mainly cloudy. Sunny intervals	Trace	27.3	12.5	E/SE	67.2
31-Oct-25	Fri	Dry with sunny intervals. Mainly cloudy.	0	26.6	6.2	SE	68.5



## Appendix K

**Waste Flow Table** 

**Contract No.: ED/2020/02** 

### **Monthly Summary Waste Flow Table for 2025**

	Actual	l Quantities o	f Inert C&D	Materials Ge	enerated Mor	ıthly	Actual	Quantities of	C&D Waste	s Generated	Monthly
Month	Total Quantity of Materials Generated	Hard Rock, Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in '000 m <sup>3</sup> )	(in '000 m <sup>3</sup> )	(in '000 m <sup>3</sup> )	(in '000 m <sup>3</sup> )	(in '000 m <sup>3</sup> )**	(in '000 m <sup>3</sup> )	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 m <sup>3</sup> )*
Jan	3.641	0.000	0.000	0.000	3.641	0.000	0.000	0.000	0.000	0.000	0.065
Feb	1.533	0.000	0.000	0.000	1.533	0.000	0.000	0.000	0.000	0.000	0.071
Mar	1.216	0.000	0.000	0.000	1.216	0.000	0.000	0.000	0.000	0.000	0.099
Apr	1.028	0.000	0.000	0.000	1.028	0.000	0.000	0.000	0.000	0.000	0.045
May	2.226	0.000	0.000	0.000	2.226	0.000	0.000	0.000	0.000	0.000	0.056
June	3.303	0.000	0.000	0.000	3.303	0.000	0.000	0.000	0.000	0.000	0.068
July	2.145	0.000	0.000	0.000	2.145	0.000	0.000	0.000	0.000	0.000	0.181
Aug	3.925	0.000	0.000	0.000	3.925	0.000	0.000	0.000	0.000	0.000	0.032
Sep	2.944	0.000	0.000	0.000	2.944	0.000	0.000	0.000	0.000	0.000	0.367
Oct	1.457	0.000	0.000	0.000	1.457	0.000	0.000	0.000	0.000	0.000	0.294
Nov			;		†	1			†       	;	†       
Dec			       		 	   		[   			T
Total	23.416	0.000	0.000	0.000	23.416	0.000	0.000	0.000	0.000	0.000	1.278

Notes:

<sup>\*</sup> Conversion factor for general refuse, 1 tonne =  $2m^3$ 

<sup>\*\*</sup> Conversion factor for general fill, 2 tonne = 1m³

<sup>#</sup> Estimation for next month



## **Appendix** L

**Implementation Schedule for Environmental Mitigation Measures** 

### CEDD Service Contract No. EDO 12/2023



77.50.4		Objectives of the	Who to			Imple	ementation S	Status	
EM&A Ref.	Recommended Mitigation Measures	Recommended Measures & Main Concern to Address	implement the measures?	Location of the measure	Contract 1	Contract 2	Contract 3	Contract 4	Contract 5
	Dust Impact (Contraction I	Phase)							
S4.7.2 to S4.7.5	Mitigation measures in form of regular watering under a good site practice should be adopted. Watering once per hour on exposed worksites and haul road is proposed to achieve dust removal efficiency of 91.7%. While the above watering frequencies are to be followed, the extent of watering may vary depending on actual site conditions but should be sufficient to maintain an equivalent intensity of no less than 1.75 L/m² to achieve the respective dust removal efficiencies.	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	V	V	V	V	V
S4.7.6	The Contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction ion Dust ) Regulation.	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	V	V	V	V	V
S4.7.6	Following dust suppression measures should also be incorporated by the Contractor to control the dust nuisance throughout the construction phase:  • Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading;  • Any dusty materials remaining after a stockpile is removed should be wet ted with water and cleared from the surface of roads;  • A stockpile of dusty material should not be extend beyond the pedestrian barriers, fencing or traffic cones;  • The load of dusty materials on a vehicle leaving a construction ion site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle;  • Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road sect ion between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores;  • When there are open excavation and reinstatement	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	@	@	@	@	@



TIME OF A		Objectives of the	Who to			Imple	ementation S	Status	
EM&A Ref.	Recommended Mitigation Measures	Recommended Measures & Main Concern to Address	implement the measures?	Location of the measure	Contract 1	Contract 2	Contract 3	Contract 4	Contract 5
	works, hoarding of not less than 2.4m high should be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction ion								
	<ul> <li>period.</li> <li>The port ion of any road leading only to construction ion site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials;</li> </ul>								
	Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously;								
	<ul> <li>Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet;</li> </ul>								
	<ul> <li>Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding;</li> </ul>								
	<ul> <li>Any skip hoist for material transport should be totally enclosed by impervious sheeting;</li> <li>Every stock of more than 20 bags of cement or dry</li> </ul>								
	pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides;								
	Cement or dry PFA delivered in bulk should be stored in a closed silo fit ted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed; and								
	Exposed earth should be properly treated by compact ion, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen,								



		Objectives of the	Who to			Impl	ementation S	Status	
EM&A Ref.	Recommended Mitigation Measures	Recommended Measures & Main Concern to Address	implement the measures?	Location of the measure	Contract	Contract 2	Contract 3	Contract 4	Contract 5
	shortcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies.								
S4.7.7	Implement regular dust monitoring under EM&A programme during the Construction phase.	Control construction airborne noise	Selected Representative dust monitoring station	All construction sites where practicable	V	N/A	V	N/A	N/A
	Noise Impact (Contraction	Phase)							
S5.6.9	<ul> <li>Implement the following good site management practices:</li> <li>only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction ion programme;</li> <li>machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum;</li> <li>plant known to emit noise strongly in one direct ion, where possible, be orientated so that the noise is directed away from nearby NSRs;</li> <li>silencers or mufflers on construction ion equipment should be properly fit ted and maintained during the construction ion works;</li> <li>mobile plant should be sited as far away from NSRs as possible and practicable; and</li> <li>material stockpiles, mobile container site office and other structures should be effectively utilised, where practicable, to screen noise from on-site construction activities.</li> </ul>	Control construction ion airborne noise	Contractor	All construction sites where practicable	@	V	V	@	@
S5.6.11 to S5.6.13	Use of "Quiet" Plant and Working Methods.	Reduce the noise levels of plant items	Contractor	All construction sites where practicable	V	N/A	N/A	N/A	N/A
S5.6.14	Install temporary site hoarding (approx 2.5m high) located on the site boundaries between noisy construction activities and NSRs. The conditions of the hoardings shall be properly maintained throughout the construction period.	Reduce the construction ion noise levels at low-level zone of NSRs through partial screening.	Contractor	All construction sites where practicable	V	V	V	V	V
S5.6.15 to S5.6.18	Install movable noise barriers, full enclosure and acoustic mat, screen the noisy plants including air compressor and generator.	Screen the noisy plant items to be used at all construction sites	Contractor	All construction ion sites where practicable	V	V	N/A	V	N/A
S5.6.19	Sequencing operation of construction plants equipment.	Operate sequentially	Contractor	All construction	V	V	N/A	N/A	N/A



		Objectives of the				Imple	ementation S	Status	
EM&A Ref.	Recommended Mitigation Measures	Recommended Measures & Main	Who to implement the	Location of the measure					
Kei.		Concern to Address	measures?	measure	Contract 1	Contract 2	Contract 3	Contract 4	Contract 5
		within the same work site to reduce the construction airborne noise		ion sites where practicable					
S5.6.34	Implement temporary noise barrier along Road L4.	Further reduce the construction ion airborne noise	Contractor	Road L4 of ARQ	N/A	N/A	N/A	N/A	N/A
\$5.6.35	Implement a noise monitoring under EM&A programme.	Monitor the construction noise levels at the selected representative locations	Contractor	Selected Representative Noise monitoring stations	V	N/A	V	N/A	N/A
В	Water Quality Impact (Cor								
S6.6.3	<ul> <li>Construction Runoff         In accordance with the Practice Note for Professional Persons on         Construction ion Site Drainage, Environmental Protect ion Department, 1994 (ProPECC PN 1/94), best management practices should be implemented as far as practicable as below:         <ul> <li>At the start of site establishment, perimeter cut -off drains to direct off-site water around the site should be constructed with internal drainage works. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities.</li> <li>Diversion of natural stormwater should be provided as far as possible. The design of temporary on-site drainage should prevent runoff going through site surface, construction machinery and equipment in order to avoid or minimize polluted runoff. Sediment at ion tanks with sufficient capacity, constructed from preformed individual cells of approximately 6 to 8 m³ capacities, are recommended as a general mitigation measure which can be used for set t ling surface runoff prior to disposal. The system capacity shall be flexible and able to handle multiple inputs from a variety of sources and suited to applications where the influent is pumped.         </li> </ul></li></ul>	Control construction runoff	Contractor	All construction sites	@	@	@	@	V



EM&A			Objectives of the Recommended	Who to	Location of the		Imple	ementation S	Status	
Ref.		Recommended Mitigation Measures	Measures & Main Concern to Address	implement the measures?	measure	Contract 1	Contract 2	Contract 3	Contract 4	Contract 5
	•	The dikes or embankments for flood protect ion should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a silt /sediment t rap. The silt /sediment t raps should be incorporated in the permanent drainage channels to enhance deposit ion rates.								
	•	The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94. The detailed design of the sand/silt traps should be undertaken by the contractor prior to the commencement of construction ion.								
	•	Construction works should be programmed to minimize surface excavation works during the rainy seasons (April to September). All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means.								
	•	All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas.								
	•	Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, it should be dug and backfilled in short sect ions wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.								
	•	All open stockpiles of construction ion materials (for example, aggregates, sand and fill material) of should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to								



EM 0 A			Objectives of the	Who to	I		Imple	ementation S	Status	
EM&A Ref.		Recommended Mitigation Measures	Recommended Measures & Main Concern to Address	implement the measures?	Location of the measure	Contract	Contract 2	Contract 3	Contract 4	Contract 5
		prevent the washing away of construction ion materials, soil, silt or debris into any drainage system.								
	•	Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction ion materials or debris being washed into the drainage system and storm runoff being directed into foul sewers.								
	•	Precautions to be taken at any time of year when rainstorms are likely, act ions to be taken when a rainstorm is imminent or forecasted, and act ions to be taken during or after rainstorms are summarized in Appendix A2 of <i>ProPECC PN 1/94</i> . Particular attention should be paid to the control of silty surface runoff during storm events.								
	•	All vehicles and plant should be cleaned before leaving a construction ion site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facilities should be provided at every construction ion site exit where practicable. Wash-water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The sect ion of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient back all toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and rains. Oil interceptors should be provided in the drainage system downstream of any oil/fuel pollution sources. The oil interceptors should be emptied and								
	•	cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for the oil interceptors to prevent flushing during heavy rain.  Construction ion solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts.								



EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	Implementation Status					
					Contract 1	Contract 2	Contract 3	Contract 4	Contract 5	
S6.6.6 and	All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bun ds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching water sensitive receivers nearby.  Regular environmental audit on the construction site should be carried out in order to prevent any malpractices. Not ices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the rivers.  Sewage from Workforce	Handling of site	Contractor	All construction	V	V	V	V	V	
6.6.7	• Portable chemical toilets should be provided for handling the construction sewage generated by the workforce. Assume that the capacity of the chemical toilets would be 0.4m3 and suck up twice a day under normal practices, around 45 chemical toilets would be required for the whole site at peak hour. And it should be noted that under normal construction periods, less chemical toilets would be needed. In addition, the total number of the chemical toilets would be subject to later detailed design, the capacity of the chemical toilets, and contractor's site practices. Nevertheless, a licensed contractor should be employed to provide appropriate and adequate portable toilets to cater around 37.5 m3/day sewage and be responsible for appropriate disposal and maintenance. Since portable chemical toilets will be provided, no adverse water quality impact from the workforce sewage is anticipated.	sewage		sites						
	Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction ion phase of the Project. Regular environmental audit on the construction ion site should be conducted in order to provide an effective control of any malpractices and achieve continual improvement of environmental performance on site. It is anticipated that sewage generation during the construction phase of the Project would not cause									



EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	Implementation Status					
					Contract	Contract 2	Contract 3	Contract 4	Contract 5	
	water quality impact after undertaking all required measure								-	
S6.6.8 and 6.6.9	Accidental Spillage To prevent accidental spillage of chemicals, proper storage and handling facilities should be provided. All the tanks, containers and storage area should be bunded and the locations should be locked as far as possible from the sensitive watercourse and storm drains. The Contractor is required to register as a chemical waste producer if chemical wastes would be generated from the construction ion activities. Storage of chemical waste arising from the construction ion activities should be well managed with suitable labels and warnings while disposal of those chemical wastes should be comply with the requirement states in Waste Disposal Ordinance (Cap 354) as well as Waste Disposal (Chemical Waste) (General) Regulations.	Prevention of accidental spillage	Contractor	All construction sites	@	V	V	V	V	
S6.6.11- S6.6.14	Groundwater from Contaminated Area The Contractor should apply for a discharge licence under the WPCO through the Regional Office of EPD for groundwater discharge. Prior to the excavation works within these potentially contaminated areas, the groundwater quality should be reviewed during the process of discharge license application. The compliancy to the TM-DSS and the existence of prohibited substance should be confirmed after further SI. If the review results indicated that the groundwater to be generated from the excavation works would be contaminated, the contaminated groundwater should be either properly treated in compliance with TMDSS or properly recharged into the ground.  If wastewater treatment is deployed, the wastewater treatment unit shall deploy suitable treatment process (e.g. oil interceptor / activated carbon) to reduce the pollution level to an acceptable standard and remove any prohibited substances (e.g. Petroleum Carbon Ranges (PCRs)). All treated effluent from wastewater treatment plant shall meet the requirements as stated in TM-DSS and should be	Minimize contaminated groundwater impacts	Contractor	All construction sites	N/A	N/A	N/A	N/A	N/A	



		Objectives of the	Who to			Impl	ementation S	Status	
EM&A Ref.	Recommended Mitigation Measures	Recommended Measures & Main Concern to Address	implement the measures?	Location of the measure	Contract	Contract 2	Contract 3	Contract 4	Contract 5
	If groundwater recharging wells are deployed, recharging wells should be installed as appropriate for recharging the contaminated groundwater back into the ground. The recharging wells should be selected at places where the groundwater quality will not be affected by the recharge operation as indicated in the Sect ion 2.3 of TM-DSS. The baseline groundwater quality shall be determined prior to								
	the select ion of the recharge wells, and submit a working plan (including the laboratory analytical results showing the quality of groundwater at the proposed recharge location(s) as well as the pollutant levels of groundwater to be recharged) to EPD for agreement. Pollution levels of groundwater to be recharged shall not be higher than pollutant levels of ambient groundwater at the recharge well. Prior to recharge, any prohibited substances such as PCRs should be removed as necessary by installing the								
	petrol interceptor.  Waste Management (Contr	action Phase)							
S8.5.2	Good Site Practice The following good site practices are recommended throughout the construction ion activities:  • nomination of an approved personnel, such as a site manager, to be responsible for the implementation of good site practices, arrangements for collect ion and effective disposal to an appropriate facility, of all wastes generated at the site;  • training of site personnel in site cleanliness, appropriate waste management procedures and concepts of waste reduction, reuse and recycling;  • provision of sufficient waste disposal points and regular collect ion for disposal;  • appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers;  • regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;	Minimize waste generation during construction	Contractor	All construction sites	V	@	V	@	V
S8.5.2 (6)	The contractor should submit a Waste Management Plan	Minimize waste	Contractor	All construction	V	V	V	V	V



		Objectives of the	Who to			Impl	ementation S	Status	
EM&A Ref.	Recommended Mitigation Measures	Recommended Measures & Main Concern to Address	implement the measures?	Location of the measure	Contract 1	Contract 2	Contract 3	Contract 4	Contract 5
	(WMP) as part of the Environmental Management Plan (EMP) in accordance with the <i>ETWB TC(W) No. 19/2005</i> for construction ion phase. The EMP should be submit ted to the Engineer for approval. Mitigation measures proposed in the EIA Report and the EM&A Manual should be adopted.	generation during construction		sites					
S8.5.3	Waste Reduction Measures Waste reduction is best achieved at the planning and design phase, as well as by ensuring the implementation of good site practices. The following recommendations are proposed to achieve reduction:  • segregate and store different types of waste in different containers, skip or stockpiles to enhance reuse or recycling o materials and their proper disposal;  • proper storage and site practices to minimize the potential for damage and contamination of construction ion materials;  • plan and stock construction ion materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste;  • sort out demolition debris and excavated materials from demolition works to recover reusable/recyclable port ions (i.e. soil, broken concrete, metal etc.);  • provide training to workers on the importance of appropriate waste management procedures, including waste reduction, reuse and recycling.	Reduce waste generation	Contractor	All construction sites where practicable	V	V	V	V	V
S8.5.5	Storage of Waste The following recommendation should be implemented to minimize the impacts:  • waste such as soil should be handled and stored well to ensure secure containment;  • stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away;  • different locations should be designated to stockpile each material to enhance reuse;	Minimize waste impacts from storage	Contractor Contractor	All construction sites	V	V	V	V	V
S8.5.6	Collection and Transportation of Waste The following recommendation should be implemented to minimize the impacts:	Minimize waste impacts from storage	Contractor	All construction sites	V	@	V	@	@

#### **CEDD Service Contract No. EDO 12/2023**



EM&A		Objectives of the Recommended	Who to	Location of the		Imple	ementation S	Status	
Ref.	Recommended Mitigation Measures	Measures & Main Concern to Address implement the measures?		measure	Contract 1	Contract 2	Contract 3	Contract 4	Contract 5
	<ul> <li>remove waste in timely manner;</li> <li>employ the trucks with cover or enclosed containers for waste</li> <li>transportation;</li> <li>obtain relevant waste disposal permits from the appropriate authorities; and</li> <li>disposal of waste should be done at licensed waste disposal facilities.</li> </ul>								
S8.5.8	Excavated and C&D Material Wherever practicable, C&D materials should be segregated from other wastes to avoid contamination and ensure acceptability at public filling areas or reclamation sites. The following mitigation measures should be implemented in handling the excavated and C&D materials:  • maintain temporary stockpiles and reuse excavated fill material for backfilling; • carry out on-site sorting; • make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; • implement a recording system for the amount of waste generated, recycled and disposed of for checking;  The recommended C&D materials handling should include: • On-site sorting of C&D materials • Reuse of C&D materials • Use of Standard Formwork and Planning of Construction Materials purchasing • Provision of wheel wash facilities	Minimize waste impacts from excavated and C&D materials	Contractor	All construction sites	V	V	V	V	V
S8.5.15	Contaminated Soil  As a precaution, it is recommended that standard good site practice should be implemented during the construction phase to minimize any potential exposure to contaminated soils or groundwater. The details of mitigation measures to minimize the potential environmental implications arising from the handling of contaminated materials refer to Land Contamination Section.	Remediate contaminated soil	Contractor	All construction sites where applicable	V	V	N/A	N/A	N/A
S8.5.17	<u>Chemical Waste</u>	Control the chemical	Contractor	All construction	V	V	V	V	V



		Objectives of the	Who to			Imple	ementation S	Status	
EM&A Ref.	Recommended Mitigation Measures	Recommended Measures & Main Concern to Address	implement the measures?	Location of the measure	Contract	Contract 2	Contract 3	Contract 4	Contract 5
	• If chemical wastes are produced at the construction ion site, the Contractors should register with EPD as chemical waste producer. Chemical wastes should be stored in appropriate containers and collected by a licensed chemical waste Contractor. Chemical wastes (e.g. spent lubricant oil) should be recycled at an appropriate facility as far as possible, while the chemical waste that cannot be recycled should be disposed of at either the Chemical Waste Treatment Cent re, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	waste and ensure proper storage, handling and disposal.		sites					
S8.5.18	General Waste General refuse should be stored in enclosed bins separately from construction and chemical wastes. Recycling bins should also be placed to encourage recycling. Preferably enclosed and covered areas should be provided for general refuse collect ion and routine cleaning for these areas should also be implemented to keep areas clean. A reputable waste collector should be employed to remove general refuse on a daily basis.	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	@	V	V	V	@
S8.5.19	The WMP should document the locations and number of portable chemical toilets depending on the number of workers, land availability, site condition and activities.      Regularly collect ion by licensed collectors should be arranged to minimize potential environmental impacts.	Minimize production of sewage impacts	Contractor	All construction sites	V	V	V	V	V
	Ecology (Contraction Phase	e)							
S. 10.7.2 to 10.7.6	Re-provision of Wooded Area for ecological function at the future Quarry Park.	Compensate for the loss of three woodland patches of a total area of about 1.13ha.	Contractor/ Detailed Design Consultant (qualified botanist / horticulturist / Certified Arborist to supervise the planting).	Northern part of the proposed Quarry Park.	N/A	N/A	N/A	N/A	N/A



		Objectives of the				Imple	ementation S	Status	
EM&A Ref.	Recommended Mitigation Measures	Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	Contract	Contract	Contract	Contract	Contract
.10.7.10	Construction phase in situ mitigation measures to	Minimize impacts on	Contractor	All construction					
.10.7.10	Construction phase in situ mitigation measures to minimize impacts on hydrological condition and water quality of hillside watercourses include:  • Temporary sewerage and drainage will be designed and installed to collect wastewater and prevent it from entering nearby watercourses;  • Proper locations well away from nearby watercourses will be used for temporary storage of materials (i.e. equipment, fill materials, chemicals and fuel) and temporary stockpile of construction debris and spoil, and these will be identified before commencement of works;  • To prevent muddy water entering nearby watercourses, work sites close to nearby watercourses will be isolated, using such items as sandbags or silt curtains with lead edge at bot tom and properly supported props. Other protective measures will also be taken to ensure that no pollution or siltation occurs to the water gathering grounds of the works site;  • Stockpiling of construction materials, if necessary, will be properly covered and located away from nearby watercourses;  • Erection of temporary geotextile silt fences will be carried out around earth-moving works to trap any sediments and prevent them from entering	Minimize impacts on Hydrological condition and water quality of hillside watercourses.	Contractor	All construction sites	1 V	N/A	3 V	4 V	5 N/A
	<ul> <li>watercourses;</li> <li>Construction debris and spoil will be covered and/or properly disposed as soon as possible to avoid being washed into nearby watercourses;</li> </ul>								
	Exposed soil will be covered as quickly as possible following format ion works, followed, where appropriate, by covering with biodegradable								
	<ul> <li>geotextile blanket for erosion control purposes;</li> <li>Where appropriate, earth-bunding will be carried out of areas where soils have been disturbed or where vegetation has been cleared, to ensure that</li> </ul>								
	<ul> <li>surface runoff will not move soils off-site;</li> <li>Construction ion effluent, site run-off and sewage will be probably collected and/or treated. Wastewater from any construction ion site will be</li> </ul>								



		Objectives of the	Who to			Imple	ementation S	Status	
EM&A Ref.	Recommended Mitigation Measures	Measures & Main Concern to Address implement the measures?		Location of the measure	Contract	Contract 2	Contract 3	Contract 4	Contract 5
S.10.7.11	minimised via the following in descending order: reuse, recycling and treatment; Proper locations for discharge out lets of wastewater treatment facilities well away from sensitive receivers will be identified and used; Silt traps will be installed at points where drainage from the site enters local watercourses; Appropriate sanitary facilities for on-site workers will be provided; The site boundary will be clearly marked and any works beyond the boundary strictly prohibited, and Regular water monitoring and site audit will be carried out at suitable points. If the monitoring and audit results show that pollution occurs, adequate measures including temporary cessation of works will be considered.  Implement an emergency contingency plan during the construction phase and the plan will include, but not be limited to, the following:	Minimize impacts on Hydrological condition and water	Contractor	All construction sites	N/A	N/A	N/A	N/A	N/A
	<ul> <li>Potential emergency situations;</li> <li>Chemicals or hazardous materials used on-site (and their location);</li> <li>Emergency response team;</li> <li>Emergency response procedures;</li> <li>List of emergency telephone hot lines;</li> <li>Locations and types of emergency response equipment, and</li> <li>Training plan and testing for effectiveness.</li> </ul>	quality of hillside watercourses.							
	Landscape and visual (Con								
S11.14.23, Table 11.9, CM1 [4]	All existing trees to be retained shall be carefully protected during construction.	Avoid disturbance and protection of the existing trees	Detailed Design Consultant /	The whole project area where applicable	V	V	@	V	@
S11.14.23, Table 11.9, CM2 [3]	Tree Transplantation - Should removal of trees be unavoidable due to construction impacts, trees will be transplanted or felled. Detailed transplanting proposal will be submit ted to relevant government departments for approval in accordance with <u>LAO GN No. 7/2007</u> , <i>ETWB TCW No. 29/2004</i> and <i>10/2013</i> . Final locations of transplanted trees shall be agreed prior to commencement of the work.	Minimize landscape impact and retention of landscape resources	Detailed Design Consultant /	Onsite where possible. Otherwise consider offsite locations	*	N/A	N/A	V	V



EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main	Who to implement the	Location of the	Implementation Status				
Kei.	-	Concern to Address	measures?	measure	Contract	Contract	Contract	Contract	Contract
					1	2	3	4	5
S11.14.23,	Control of operation night -time glare with well-planned	Minimize glare	Contractor/	The whole	V	V	<u>@</u>	V	N/A
Table 11.9,	lighting operation system to minimize potential glare	impact to	CEDD	project area					
CM3 [4]	impact to adjacent VSRs	adjacent VSRs		where					
				applicable					
S11.14.23,	Erection of decorative screen hoarding.	Minimize visual	Contractor/	The whole	N/A	N/A	N/A	N/A	N/A
Table	-	impact	CEDD	project area					
11.9, CM		-		where					
[4]				applicable					
S11.14.23,	Minimise disturbance and limitation of run-off -	Minimize visual	Contractor/	The whole	V	V	V	V	N/A
Table	temporary structures and construction works should be	impact	CEDD	project area					
11.9, CM5	planned with care to minimize disturbance to adjacent			where					
[2]	landscape, vegetation, natural stream habitats.			applicable					

Legend: V = implemented; x = not implemented; a = partially implemented; x = pending to be implemented; x = not implemented;



Appendix M

**Complaint Log** 



Monthly Environmental Monitoring & Audit Report (October 2025)

#### Appendix M1 Cumulative Complaint and Summons/ prosecution

Reporting Month	Number of Complaints in	Number of Summons/			
	Reporting Month	<b>Prosecution in Reporting Month</b>			
March 2017	1	0			
April 2017	0	0			
May 2017	0	0			
June 2017	2	0			
July 2017	3	0			
August 2017	3	0			
September 2017	4	0			
October 2017	2	0			
November 2017	3	0			
December 2017	3	0			
January 2018	1	0			
February 2018	4	0			
March 2018	0	0			
April 2018	2	0			
May 2018	1	0			
June 2018	1	0			
July 2018	0	0			
August 2018	1	0			
September 2018	1	0			
October 2018	1	0			
November 2018	3	0			
December 2018	2	0			
January 2019	2	0			
February 2019	3	0			
March 2019	1	0			
April 2019	0	0			
May 2019	0	0			
June 2019	1	0			
July 2019	1	0			
August 2019	1	0			
September 2019	0	0			
October 2019	1	0			
November 2019	4	0			
December 2019	0	0			
January 2020	0	0			
February 2020	0	0			
March 2020	4	0			
April 2020	1	0			
May 2020	1	0			
June 2020	1	0			
July 2020	0	0			
August 2020	0	0			
September 2020	0	0			
October 2020	0	0			
November 2020	1	0			
December 2020	2	0			
January 2021	1	0			
February 2021	0	0			
<b>March 2021</b>	2	0			

#### **CEDD Service Contract No. EDO 12/2023**

Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works



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April 2021	1	0
May 2021	0	0
June 2021	1	0
July 2021	1	0
August 2021	0	0
September 2021	2	0
October 2021	0	0
November 2021	0	0
December 2021	0	0
January 2022	0	0
February 2022	0	0
March 2022	1	0
April 2022	1	0
	3	0
May 2022 June 2022		
	2	0
July 2022	0 2	0
August 2022		
September 2022 October 2022	1	0
	1	
November 2022	0	0
December 2022	0	0
January 2023	0	0
February 2023	0	0
March 2023	0	0
April 2023	0	0
May 2023	1	0
June 2023	0	0
July 2023	1	0
August 2023	0	0
September 2023	0	0
October 2023	0	0
November 2023	0	0
December 2023	0	0
January 2024	1	0
February 2024	0	0
March 2024	0	0
April 2024	1	0
May 2024	2	0
<b>June 2024</b>	0	0
July 2024	0	0
August 2024	0	0
September 2024	1	0
October 2024	0	0
November 2024	0	0
December 2024	1	0
January 2025	1	0
February 2025	1	0
March 2025	0	0
April 2025	0	0
May 2025	0	0

#### **CEDD Service Contract No. EDO 12/2023**

Environmental Team for Development of Anderson Road Quarry Site – Site Formation and Associated Infrastructure Works



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June 2025	0	0
July 2025	0	0
August 2025	0	0
September 2025	0	0
October 2025	0	0
Overall Total	91	0



#### Appendix M2 Complaint Log

Log ref.	Date of Complai nt	Receive		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	l og rot	Date of Complaint
1	23-Mar-1 7	8-Jun-17	On Tat Estate	Residen t of On Tat Estate	Construction	SPRO hotline	NA	House reported that some night works with noise and	crane was undertaken on 23 March 2017 11pm and it is TD requirement to carry out demobilization of heavy machine at nighttime. It is considered this complaint was a single incident and would not be happened again in future.	no comment	TCS00864/ 16/300/F00 87
2	28-Jul-17	28-Jul-17	Tat House (賢達樓), On		Construction	SPRO hotline	NA	Mr. Hsu received a complaint from a resident living in the flat on 38/F of Yin Tat House (賢達樓), On Tat Estate. The resident complained about the noise level of our works during daytime.	by ET (AUES) and representatives of AECOM and JV in the presence of the complainant in her flat at 10 am on		TCS00864/ 16/300/F00 60
3	29-Aug-1 7		Shing Tat House 24/F	Residen t of On Tat Estate	Construction	SPRO hotline	NA		Noise monitoring was carried out by ET (AUES) and representatives of AECOM and JV in the presence of the complainant in her flat at 3pm on 30-Aug-2017. No exceedance of noise was recorded. The complainant was satisfied about the monitoring results.		TCS00864/ 16/300/F00 81



Log ref.	Date of Complai nt	Dogoiyo		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
4	21-Jun-1 7	29-Aug-1 7	Tat Yan House, Po	Residen t of Po Tat Estate	G	EPD			Since these two complaints were forwarded by CEDD to ET on 31 August 2017 which way after the complaint dates. Investigation would be conducted based on the site information by the Contractor of Contract 1 - NE/2016/01 (CWSTVJV) as		TCS00864/ 16/300/F00 93
5	22-Jun-1 7	29-Aug-1 7	Tat Yan House, Po	Residen t of Po Tat Estate	Dust & Construction noise	EPD	N08/RE/		well as the observation during weekly site inspection carried out ET during June 2017. In our investigation, CWSTVJV has implemented noise mitigation measures to reduce the noise impact to the nearby resident and the working hour 08:00 to 18:00 did not breach any legal requirement. To eliminate the inconvenience caused to the nearby resident CWSTVJV was advised to further enhance the noise mitigation measures as appropriately.	no comment by IEC on 3 Nov 2017	
6	15-Jul-17	29-Aug-1 7	llof Vi	Residen t of Po Tat Estate	Constmistion	EPD	EPD (ref.N08/ RE/0002 2479-17)	Construction noise	CWSTVJV has implemented noise mitigation measures to reduce the noise impact to the nearby resident and the working hour 08:00 to 18:00 did not breach any legal requirement. To eliminate the inconvenience caused to the nearby resident, CWSTVJV was advised to further enhance the noise mitigation measures as appropriately.	by IEC on 3 Nov	TCS00864/ 16/300/F00 94
7	28-Jul-17	29-Aug-1 7	Anderson Road	unknow n	Dust	EPD	EPD (ref.N08/ RE/0002 3986-17)	Poor control on dust emission at Anderson Road Construction Site	CWSTVJV has implemented dust mitigation measures to eliminate the inconvenience caused to the nearby resident and status of the implementation of dust mitigation measures was considered effective based on the site observation.		TCS00864/ 16/300/F00 97



Log ref.	Compiai	Receive	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
8	2-Aug-17		Chun Tat House, On Tat Estate	Residen t of On Tat Estate	Construction noise	EPD	EPD (ref.N08/ RE/0002 4557-17)	Day time construction noise of breakers (8AM to 6PM)	CWSTVJV has implemented noise mitigation measures to reduce the noise impact to the nearby resident. According to the impact noise monitoring result obtained in August 2017, there were no breaches of EM&A requirement. However, to eliminate the inconvenience caused to the nearby resident, CWSTVJV should further enhance the noise mitigation measures as appropriately. Since the works were carried out within the non-restricted hours, it is considered that the works under the project did not breach the Noise Control Ordinance.		TCS00864/ 16/300/F00 98
9	19-Sep-1 7	19-Sep-1 7	Ping Estate	Residen t of Sau Mau Ping Estate	Construction noise	SPRO hotline	NA	the noise nuisance recently from August to September especially during night time after 12:00 am, even in Saturdays and Sundays. The noise nuisance caused a great disturbance to him. He made a request to	& 2) During the course of noise	by IEC on	TCS00864/ 16/300/F00 88



Log ref.	Date of Complai nt			Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
10	21-Sep-1 7	13-Oct-1	Sau Nga House and	Residen t of Sau Mau Ping Estate	Construction noise	EPD	EPD (ref.N08/ RE/0003 1074-17)	On 21 September 2017, the same complaint further reported that the noise can be heard at both Sau Yee House and Sau Nga House even in daytime and he strongly requested the Contractor to follow up the case immediately.	ET has conducted an ad-hoc noise measurement for Leq (30min) on the rooftop of 秀雅樓 and 秀義樓 in the afternoon of 22 September 2017. (Photo 1 & 2) During the course of noise measurement, construction activities such as excavation and breaking were conducted in the Quarry Site. The measurement results taken at both 秀雅樓 and 秀義樓 were 63dB(A) which below the Limit Level under the EM&A Programme.		TCS00864/ 16/300/F00 88
11	27-Sep-1 7	13-Oct-1 7	Chun I at House, On		Construction noise	EPD	RE/0002	He requested to shift the	CWSTVJV has implemented noise mitigation measures to reduce the noise impact to the nearby resident. According to the impact noise monitoring result obtained in September and October 2017,	no	TCS00864/ 16/300/F01 06
12	3-Oct-17	13-Oct-1 7	li hiin lat	lt at ( In	Construction noise	EPD		Day time construction noise, the complainant requested using less breaker at one time, erecting taller noise barrier to cover the equipment. In addition, the complainant would like to know the construction schedule whether there will be more breaking activities in near future	there were no breaches of EM&A requirement. However, to eliminate the inconvenience caused to the nearby resident, CWSTVJV should properly maintain the noise mitigation measures as appropriate. Since the works were carried out within the non-restricted hours, it is considered that the works under the project did not breach the Noise Control Ordinance.		TCS00864/ 16/300/F01 06
13	25-Oct-1 7	26-Oct-1 7		Residen t of Po Tat	Dust	EPD	NA	投訴安達臣道地盤的泥車 落泥,令他達貴樓的住所	Investigation revealed that CWSTVJV has implemented dust mitigation measures to eliminate the inconvenience caused to the	no comment by IEC on	TCS00864/ 16/300/F01 00



Log ref.	Date of Complai nt	Receive	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
				Estate				及回覆	nearby resident. Nevertheless, based on the observation during site inspection on 31 October 2017, CWSTVJV was advised to enhance the dust mitigation measures particularly during dry season.	15 Nov 2017	
14	6-Nov-17		House, On	Residen t of On Tat Estate	Noise	EPD	NA	安達邨俊達樓居民投訴石礦場地盤又再於早上07:45開始傳出機器不停探石的噪音(幾乎每日在08:00-19:00進行工程),已持續一年,他全家人受到滋擾。	measurement result was below the Limit		TCS00864/ 16/300/F01 09
15	13-Nov-1 7	1/1-10077-1	House, On	Mr. Lam Wai	light pollution and noise	SPRO hotline	NA	1. 智泰樓面向安達臣地 盤方向,有照射燈深夜時 分仍然常開,影響居民正 常睡眠質素,照成一定的 精神壓力。	To ease the concern by the complaint, CWSTVJV has adjusted the lights to the orientation pointing the ground and that to minimise the nuisance. For the maintenance of noise barrier, CWSTVJV has immediately fixed the noise barrier	comment by IEC on 24 Nov	TCS00864/ 16/300/F01 04



Log ref.	Date of Complai nt			Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	l og ref	Date of Complaint
16	1-Nov-17		China lat	けんけどん	Noise	EPD	NA	居住於安達邨誠達樓高層的投訴人投訴由早上八時半至下午六時聽到揼鐵噪音。	As advised by the Contractor, the works that most likely induced the iron hammering noise to Shing Tat House shall be the rock breaking works to the hard rock of the Southeastern side of the Underground Stormwater Retention Tank. CWSTVJV had already deployed the acoustic mat as noise barrier at the site boundary near Shing Tat House. To enhance the noise mitigation measures, CWSTVJV deployed an acoustic mat as noise barrier for the breaking work in order to reduce construction noise affecting the upper floor of On Tat Estate Since the works were carried out within the non-restricted hours, it is considered that the works under the project did not breach the Noise Control Ordinance.		TCS00864/ 16/300/F01 10
17	25-Aug-1 7	7	Sau Yee House, Sau	Residen t of Sau Mau Ping Estate	Construction Noise	EDD	EPD (ref.N08/ RE/0002 7738-17)	Night time construction noise of hammering (around 12AM)	As advised by CWSTVJV, there was a CNP (GW-RE0763-17) in force for the subject site for operation of generator and electric submersible water pump for the wastewater treatment plant and it is considered that abovementioned PMEs should not generate significant poise		TCS00864/ 16/300/F01 14



Log ref.	Complai	Date of Receive d by ET		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
18	12-Sep-1 7	26-Oct-1 7	Chun Tat House, On Tat Estate		Construction Noise	EPD	EPD (ref. N08/RE/ 0002948 9-17)	Day time construction noise of breakers (8AM to 5PM)	Noise mitigation measures were implemented to reduce the noise impact to the nearby resident. According to the impact noise monitoring result in September 2017, there were no breaches of EM&A requirement. Since the works were carried out within the non-restricted hours, it is considered that the works under the project did not breach the Noise Control Ordinance.	no comment by IEC on 10 Jan 2018	TCS00864/ 16/300/F01 17
19	15-Dec-1 7	21-Dec-1 7	Sau Yee	Residen t of Sau Mau Ping Estate	C	EPD	NA	complained suspected construction noise from Anderson Construction Site at restricted hour (7pm	It is confirmed by CWSTVJV and checked against the site diary that no construction activities were carried out after 19:00 at the subject site. Therefore, the complaint about noise nuisance during night time should not be related to the Project.	comment	TCS00864/ 16/300/F01 18
20	20-Dec-1 7		On Tat Estate	Residen t of On Tat Estate	Dust	EPD	NA	Resident of On Tat Estate complained that the traffic of construction vehicles generated dust problem and arouse air pollution to On Tat Estate. 投訴安達臣道信和地盤水車已經壞了十多天,一直無灑水,四周非常大塵。 投訴人住於安達邨,投訴安達臣	CWSTVJV has implemented dust mitigation measures to eliminate the inconvenience caused to the nearby resident. It is considered that the complaint was an isolated case due to malfunction of water tanker and CWSTVJV has promptly rectified the deficiency. As advised by CWSTVJV, another water tanker will be deployed in mid-January 2018 to enhance the dust suppression measures throughout the construction site.	no comment by IEC on 25 Jan 2018	TCS00864/1 6/300/F0121
21	28-Dec-1 7	10-Jan-1 8	Sau Yee House	Residen t of Sau		CE's office	NA	日間及凌晨均聽到轟隆聲	ET has conducted an ad-hoc noise measurement for Leq (30min) in the	no comment	TCS00864/1 6/300/F0129



Log ref.	Compiai	Dogoiyo	Complaint Location		Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	L og rot	Date of Complaint
				Mau Ping Estate				先生表示居於秀茂坪邨秀 義樓,指附近的安達臣道 一個由土木工程拓展署管 轄的石礦場不時於非允許 時段(即晚上七時後至翌 日早上)發出疑似打地基 的轟轟聲巨響,最近一次	complainant's flat in the monitoring of 17 January 2018.It was noted that the complainant's flat is not in direct line of sight to the Anderson Road Quarry Site. The measurement noise result was below the Limit Level under the EM&A Programme. Moroever, it is confirmed by CWSTVJV and checked against the site diary that no construction activities were carried out during restricted hour at the subject site. Therefore, the complaint about noise nuisance during restricted hour should not be related to the Project.	by IEC on 8 Feb 2018	
22	15-Jan-1 8		Chun Tat House	Residen t of Chun Tat House of On Tat	Construction	SPRO mobile	NA	construction noise of breaking rock for a long time and strongly requested to know exactly when will be the	CWSTVJV has implemented noise mitigation measures to reduce the noise impact to the nearby resident. According to the impact noise monitoring result obtained in January 2018, there were no breaches of EM&A requirement. However, to eliminate the inconvenience caused to	by IEC on 8 Feb	TCS00864/1 6/300/F0130



Log ref.	Date of Complai nt		Complaint Location	Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
				Estate, 40/F				works opposite to Chun Tat House. She said we should do more on the mitigation measures because our site is very	the nearby resident, CWSTVJV should properly maintain the noise mitigation measures as appropriate. Since the works were carried out within the non-restricted hours, it is considered that the works under the project did not breach the Noise Control Ordinance.		
23	1-Feb-18	2-Feb-18	Chi Tai House of On Tai Estate	Residen t of On Tai Estate (referre d by Mr. Lam Wai)	Construction Noise	SPRO hotline	NA	"智泰對出,白天噪音過大,可否加裝隔音板?高層 受影響"	the Environmental Team has conducted an ad-hoc noise measurement for Leq(30min) at the corridor of 22/F of Chi Tai House on 2 February 2018 facing the construction site. The measurement noise result was 65dB(A) which below the Limit Level under the EM&A Programme. In our investigation, CWSTVJV has implemented noise mitigation measures to reduce the noise impact to the nearby resident. According to the impact noise monitoring result obtained in January 2018, there were no breaches of EM&A requirement.	no comment by IEC on 22 Feb 2018	TCS00864/1 6/300/F0137
24	1-Feb-18	2-Feb-18	Shing Tat House of On Tat Estate	Residen t of Shing Tat House (referre d by Mr. Hsu Yau Wai)	Construction Noise	SPRO hotline	NA	Mr. Hsu reported that some disturbing noise was heard after 6:00 pm from the site near Shing Tat House of On Tat Estate.	AECOM has liaised with Mr. Hsu on 2 February 2018 for the complaint matter and he reported to AECOM that the noise was generated until 7:00 pm on 1 February 2018. 3. As advised by Contractor of Contract 1, breaking works at USRT area	no comment by IEC on 28 Feb 2018	TCS00864/1 6/300/F0140



Log ref.	Date of Complai nt			Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
									Further to the complaint case, CWSTVJV would seek for other quiet work method such as using drilling machine to reduce noise level and speed up the rock breaking process, so that to reduce the noise intensity level and the duration of exposure.		
25	28-Feb-1 8		Shing Tat House of On Tat Estate	Residen t of Shing Tat House	Construction Noise	EPD	NA	安達邨誠達樓居民,投訴人是返夜班,一年半以來長期受對出地盤日間揼石仔噪音滋擾,由於單位與地盤太近,堅持環保署跟地盤太近,堅持環保署跟進及回覆如何處理及減低噪音,他亦要求知道何日完工.	Breaking works at Underground Stormwater Retention Tank area which opposite to Shing Tat House was carried out from 8:00 to 18:00. The Contractor has implemented noise mitigation measures to reduce the noise impact to the nearby resident. It was advised that the rock breaking works shall tentatively be completed by end of April and it is believe that the noise impact should be minimized. Since the works were carried out within the non-restricted hours and noise monitoring noise were within acceptable level, it is considered that the works under the project did not breach the Noise Control Ordinance.	by IEC on 19 Mar	TCS00864/ 16/300/F01 43
26	11-Apr-1 8	12-Apr-1 8	Him Tat House of On Tat Estate	Residen t of Him Tat House	Construction Noise	SPRO mobile	NA	Mr. Hui Yau Wai reported that the noise irritation was becoming more severe recently and asked about the completion date of the works close to Him Tat House. The resident suspected that the noise comes from piling works	In our investigation, since construction noise was generating from other construction site next to Him Tat House, it is considered that the complaint is due to cumulative noise generated by both construction sites. However, CWSTVJV should properly provide the noise mitigation measures at works area in System B to minimize the noise impact to the resident nearby. As advised by CWSTVJV on 20 April 2018, noise barrier	no comment by IEC on 7 May 2018	TCS00864/ 16/300/F01 60b



Log ref.	Date of Complai nt	Receive		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
									was being erected at works area in System B as noise mitigation measures. According to the site photo, it is considered that the coverage of noise barrier is not sufficient and CWSTVJV should enhance the measure as far as practicable. The implementation of noise mitigation measures will be kept in view in subsequent site inspection.		
27	25-Apr-1 8	/-May-1	Hiu Ming	A school but name of school not disclose d	Noise	EPD	NA	This case is considered a Programme.	s an enquiry and no investigation is rec	quired under	the EM&A
28	18-May- 18	24-May-	Anderson Road Quarry Site	Undiscl osed	Construction Noise	EPD	NA	投訴人指安達臣道石礦場 地盤(NE/2016/01)在入夜 19:00 後仍見到有長臂喉 工程車在運作,及持續產 生大噪音及閃燈,非常擾 民。	As advised by CWSTVJV and confirmed by RE/AECOM, there were no construction activities carried out after 19:00 and concreting was completed before 19:00. It is concluded that the retracting process is not a general construction work using Powered Mechanical Equipment and complaint was an isolated case due to misunderstanding of the site operation. To prevent similar incidents in future, CWSTVJV has recommended several mitigation measures.	no comment by IEC on 30 July 2018	TCS00864/ 16/300/F01 74b
29	25-Jun-1 8	19-Jul-18	Connectively E8 under	Kwun Tong DC membe r Ms.	Waste Management	CEDD	NA	A public complaint was referred from CEDD on 4 July 2018 regarding accumulation of dead	CW-CMGC-JV has immediately clear the dead leaves and maintain the site cleanliness. Since the construction work has not yet commenced and the dead leaves and overgrown branches were not	by IEC on	TCS00864/ 16/300/F01 89b



Log ref.	Compiai		Complaint Location	Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
				So Lai-chu n							
30	22-Aug-1 8	29-Aug-1 8		Residen t of Hong Wah Court	Construction Noise	1823 Hotline	NA	吳先生於 2018 年 8 月 22 日致電 1823 熱線投訴,指 馬游塘區堆填區往將軍澳 方向行車入口因配合項目 需要而進行移除山坡工 程,但其鑽地鑿石的噪音 嚴重影響藍田康雅苑*居	practice including intermittent use of machine and plant and Sequencing	by IEC on 7 Sep	TCS00864/ 16/300/F01 96a
31	28-Aug-1 8	31-Jul-18	Anderson Road Quarry Site	Undiscl osed	Construction Noise	EPD	NA	安達邨誠達樓後面地盤,2 月 26 日晚,晚上7時後, 還在落石屎,相片拍攝時	were completed at 23:00. It is considered that the complaint was not valid to the Project. Nevertheless, CWSTVJV was	no comment	TCS00864/ 16/300/F01 97a



Log ref.	Date of Complai nt	Doggiva		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
32	6-Sep-18	7-Sep-18	Tsui Yeung House	Residen t of Tsui Yeung House	Construction	Verbal	NA	Mr. CHENG Keung-fung complained that the contractor has conducted the noisy works such as rock excavation beyond the normal hours.	Kwan On has implemented noise mitigation measures to reduce the noise impact to the nearby resident. As advised by Kwan On, the rock breaking works shall tentatively be completed by end of December 2018 and the mitigation measures will implemented continuously during slope construction work and the slope construction will be carried out within the working hours at Portion 2. Since the works were carried out within the non-restricted hours, it is considered that the works under the project did not breach the Noise Control Ordinance.	by IEC on	TCS00864/ 16/300/F02 01
33	24-Oct-1 8	25-Oct-1 8	Е3	Kwun Tong DC membe r Ms. So Lai-chu	Construction Noise	Whatsap p Message	NA	KTDC member, Ms. Ann So, complaining the noise of the breaker at E3	As advised by the Contractor, the acoustic material wrapped on the breaker was worn-out on 24 October 2018 and replacement of new acoustic materials has been installed on the breaker immediately on 25 October 2018. The rock breaking works shall tentatively be completed to the road level in the middle of November 2018 and the mitigation measures will implemented continuously during slope construction work and the slope construction will be carried out within the working hours at Portion 2. It is considered the complaint was an isolate case.	by IEC on	TCS00864/ 16/300/F02 09a
34	12-Nov-1 8	13-Nov-1 8	Anderson Road Quarry Site	Residen t of ChingT at House(r eferred	Construction Noise	SPRO Hotline	NA	Mr. Hui reported that he received complaint from a resident living in Ching Tat House about noise nuisance recently. Mr. Hui	The SPRO contacted Mr. Hiu and explained to him about the purpose and benefits of the tunnel to the residents nearby and the expected date of completion of the tunnel will be earlier than 2020. Moreover, the noise mitigation measures		TCS00864/ 16/300/F02 22a



Log ref.	Date of Complai nt	Receive		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
				by Mr. Hui Yau Wai)				monitoring to check the noise level at the	had implemented to reduce the noise level effectively and the work progress will be closely updated to nearby stakeholders to enhance communication. Mr. Hiu satisfied with the reply from SPRO and he agreed that the proposed noise monitoring in Ching Tat House was not needed. Since the works were conducted within approved normal hours with implementation of noise mitigation measures, there were no breaches of legislative requirement.		
35	14-Nov-1 8		Anderson Road Quarry Site	Undiscl osed	Light and Noise	EPD	NA	燈正射民居和機器移動聲	CWSTVJV immediately adjusted the angle and brightness of the lighting to minimize the nuisance to the resident nearby. In response to the complaint, CWSTVJV immediate carried out remedial action to minimize the nuisance to the public. It was considered that complaint for noise generated by machine moving was an isolated case. CWSTVJV was reminded to closely monitor the plant use and sequence of night work and do not to violate CNP conditions.	no comment by IEC on 3 Jan 2019	TCS00864/ 16/300/F02 23a
36	13-Nov-1 8	14-Nov-1 8	Road ()narry	Undiscl osed	Noise and dust	1823	NA	postpone the starting time of construction work at project site and also to solve the problem of	In our investigation, acoustic barrier and site hoarding were in place along the works area. No noticeable noise and dust impact was observed during the site inspection. As advised by CWSTVJV, the normal working hour of the construction site is	no comment by IEC on 18 Feb 2019	TCS00864/ 16/300/F02 24



Log ref.	Compiai		Complaint Location	Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
									was satisfied with the reply. Investigation Report has been completed by ET without comment from IEC.		
37	9-Dec-18	1 /-1 100-1	Anderson Road Quarry Site		Construction noise	1823	2-492790 7305	2018, which the complainant complained that construction noise was generated from project site on Sunday and was affecting the resident at Hau Tat House, On Tat Estate. The complainant	carried out on Sunday was fully compliance with the CNP requirement. In response to the complaint, CWSTVJV was reminded to closely monitor the plant use and sequence of night work and do not		TCS00864/ 16/300/F02 30a
38	19-Dec-1 8	27-Dec-1 8	Anderson Road Quarry Site		Construction noise	1823	2-494807 4127	1823 has referred a case to CEDD on 27 December 2018, which the complainant complained that noise barriers near the round-about at On Sau Road were not enough, and	January 2019 the status of implemented mitigation measures provided by CWSTVJV was inspected. It was observed that noise mitigation measures including temporary noise barrier, acoustic mat and wrapped by acoustic materials are implemented on site. However, CWSTVJV was advised to extend the coverage of noise barrier as far as practicable and fully enclose the concerned works area which has been completed on 15 January 2019. Since the works were carried out within the non-restricted hours, it is considered that the works under the	comment by IEC on 31 Jan	TCS00864/ 16/300/F02 37a



Log ref.	Date of Complai nt	Dogoiyo		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
39	24-Jan-1 9	9	Anderson Road Quarry Site	Undiscl osed	wastewater	Referred from DSD	NA	discharge of cementitious slurry from construction site of Development of	In our investigation, the concerned catchpit and U-channel mainly received the runoff from Po Lam Road as well as the discharge from the Anderson Road Quarry Site. It is suspected that the mud and silt found on the downstream has been accumulated over time particularly by rainstorm as well as routine discharge from construction site. As remedial action, CWSTVJV immediately clean the affected area where accessible. Nevertheless, in order to protection the watercourse at downstream of the construction site, CWSTVJV has some enhancement measures.		TCS00864/ 16/300/F02 48a
40	30-Jan-1 9	30-Jan-1	Anderson Road Quarry Site	Undiscl osed	10.100	SPRO hotline	NI A	received by SPRO hotline on 30 January 2019 regarding the construction noise near Ma Yau Tong Village and requested to add noise barrier as soon as possible.	In our investigation, CWSTVJV had provided the noise mitigation measures to minimize the noise impact to the resident nearby. The impact monitoring result obtained at Ma Yau Tong Village revealed that the construction noise were within acceptable level. Since the works were conducted within approved normal hours with implementation of noise and dust mitigation measures, there were no breaches of legislative requirement.	by IEC on	TCS00864/ 16/300/F02 49a
41	15-Feb-1 9		Anderson Road Quarry Site	Undiscl osed	noise	1823	2-494807 4127	CEDD on 15 February 2019, which the complainant complained about the construction noise generated from the CEDD site near 法源寺 (Ma Yau Tong Village).	In response to the complainant, CWSTVJV has proposed alterative quiet work method to alleviate the noise impact to the public. They will schedule the noisy activities to be carried out after 10am as far as practicable to minimize the impact to resident nearby, given that not affecting the site progress. Moreover, the coverage of acoustic barriers will be extended in view	by IEC on 29 Mar	TCS00864/ 16/300/F02 51a



Log ref.	Compiai	Receive	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
								for the details of works and the completion date, the complainant also requested CEDD to use other construction methods in order to re  The resident from Sau			
42	21-Feb-1 9	25-Feb-1	Road ()narry	Undiscl osed	noise	EPD	NA	Anderson Road Quarry construction site has gotten worse. In addition, sometimes even after midnight there are noise coming from the site. With the echo produces from the environment, this is not helping at all. Really a big disturbance to the residence in the area. The complainant suspecting the sound proof	In our investigation, CWSTVJV has implemented noise mitigation measures to reduce the noise impact to the nearby resident. However, to eliminate the inconvenience caused to the nearby resident, CWSTVJV should properly maintain the noise mitigation measures as appropriate, such as maintain good site practices such as intermittent use of machine and plant and Sequencing operation of construction plant equipment. Since the works were carried out within the non-restricted hours, it is considered that the works under the project did not breach the Noise Control Ordinance.erway by ET.	by IEC on 28 Mar 2019	TCS00864/ 16/300/F02 50



Log ref.	Date of Complai nt		Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
43	21-Feb-1 9		Anderson Road Quarry Site	Undiscl osed	noise	received by DEVB and referred to CEDD	NA	A public complaint was received by DEVB and referred to CEDD on 25 February 2019 regarding on the noise generated from the construction works of the Anderson Road Quarry Site affecting a local resident residing at the Anderson Road Squatter Area	was adopted such as drilling the hard rock before the breaking work to reduce the breaking duration. In our investigation,	no comment	TCS00864/ 16/300/F02 52a
44	1-Mar-19	26-Feb-1 9	E3 of Contract 2	Undiscl osed	noise	CEDD	NA	by CEDD which was received by KTDC member Mr CHENG Keung Fung from the residents of Tsui Yeung House(翠楊樓) about the noise nuisance generated and the working time up to 7:00 pm from the rock excavation of E3 lift tower.	engineering team. In our investigation,		TCS00864/ 16/300/F02 64



Log ref.	Compiai	Receive	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
45	16-Jun-1 9	18-Jun-1	Road Onarry	Undiscl osed	noise	EPD	NA	EPD referred a case to CEDD on 17 June 2019 regarding the construction noise heard at On Tat Estate on Sunday.	The Contractor explained that general cleaning by water jet was carried out in the construction site on the concerned day. Since the work did not involve the use of Powered Mechanical Equipment (PME), it would not violate the noise control ordinance. The Investigation report is underway by ET.		TCS00864/ 16/300/F03 01a
46	12-Jul-19	15-Jul-19	Anderson Road Quarry Site	Undiscl osed	dust	EPD	NA	emission at Anderson Road Quarry site.	was mostly rainy day throughout June and	no comment by IEC on 12 August 2019	TCS00864/ 16/300/F02 92b



Log ref.	Date of Complai nt	Dogoiyo	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
47	6-Aug-19	14-Aug-1 9	Work Area Portion 2 E3 (Slope of Hiu Ming Street opposite of Tsui Yeung House)	(北)邨 物業服 務辦事	Noise	1823	NA	noise generated from construction work at the lift tower site (Slope E3) at Hui Ming Street from the residents of Tsui Yeung House. The complainant expressed that the construction works has been undertaken for 2 years and generated construction noise from	In our investigation, Kwan On has implemented noise mitigation measures to reduce the noise impact to the nearby resident. Nevertheless, since the construction site is close to the residential area, adequate noise mitigation measures shall be provided to reduce to noise nuisance to the public. It is concluded that the complaint was valid to the contract. As the works were carried out within the non-restricted hours, it is considered that the works under the contract did not breach the Noise Control Ordinance.	no comment by IEC on 16 Sep 2019	TCS00864/ 16/300/F03 10a
48	15-Oct-1 9	18-Oct-1 9	Work Area Portion 6 (Tseung Kwan O Tunnel Bus-Bus Interchange Pedestrian Connectivity Facilities E12)		Noise	1823	NA	A public complaint was received by 1823 on 15 October 2019 relating to the noise generated from construction work at Tseung Kwan O Tunnel Bus to Bus Interchange Pedestrian Connectivity Facilities E12. The complainant expressed that the construction noise was generated from breaking work at 8:20 am without noise mitigation measure, which causing nuisance to the nearby residents.	implemented noise mitigation measures to	13 Nov	TCS00864/ 16/300/F03 26a



Log ref.	Date of Complai nt	Receive	Complaint Location	Compl ainant	-	Channel	Ref. no.	Complaint details	Follow up action	ll og ref	Date of Complaint
49	5-Nov-19	11-Nov-1 9	Work Area Portion 2&3 (lift tower construction work at Hiu Kwong Street)	NA	Noise	EPD	NA	A public complaint was received by EPD relating to the noise generated from breaking work of lift tower construction work at Hiu Kwong Street (Portion 2&3).	In our investigation, Kwan On has implemented noise mitigation measures to reduce the noise impact to the nearby resident. Nevertheless, since the construction site is close to the residential area, adequate noise mitigation measures shall be provided to reduce to noise nuisance to the public. As the works were carried out within the non-restricted hours, it is considered that the works under the contract did not breach the Noise Control Ordinance. Kwan On was reminded to implement the mitigation measures as far as practicable as recommended in the EM&A Programme.	27 Dec	TCS00864/ 16/300/F03 32a
50	7-Nov-19		Work Area Portion 6	Mr. Cheng	Noise	EPD	NA	寶達邨居民鄭先生,表示 將軍澳隧道出口工程,日 間噪音嚴重,8:30-17:00, 幾部幾同時開動,而且無 防音欄,之前是有,現要 求環保署向對方反映改善	In our investigation, Kwan On has implemented noise mitigation measures to reduce the noise impact to the nearby resident. Nevertheless, since the construction site is close to the residential area, adequate noise mitigation measures shall be provided to reduce to noise nuisance to the public. As the works were carried out within the non-restricted hours, it is considered that the works under the contract did not breach the Noise Control Ordinance. Kwan On was reminded to implement the mitigation measures as far as practicable as recommended in the EM&A Programme.	by IEC on 27 Dec	TCS00864/ 16/300/F03 33a



Lore	og f.	Date of Complai nt	Receive	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
511		10-Nov-1 9	12-Nov-1 9	Underpass	Undisclosed	Noise	EPD	NA	將來連車,相信噪音不只 8-6,現懇請環保署為本村 居民正式評估,並向政府 提出村民困擾,考慮盡快 設置隔音屏。 On 11 November 2019 寶琳路近馬游塘村開掘隧 道 的 工 程 地 盤 每 日	implementation of noise mitigation measures, there were no violation of legislative requirement. For the complainant's concern on the operation noise after commencement of the project, it is out of the scope of the EM&A programme and the relevant department	no comment by IEC on 30 Dec	TCS00864/ 16/300/F03 37



Log ref.	Date of Complai nt	Dogoiyo		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
52	11-Nov-1 9	9	Facilities Building on On Sau Road	Mr. Wong (residen t of Yung Tai House of On Tai Estate)	Noise	1823	ref. 2-597630 3183	November 2019, the project hotline received a call from the same complainant reported on the noise nuisance near On Sau Road and On Yan Street. He suggested to speed up the noise making	implemented the noise mitigation measures to reduce to noise impact to the public. However, in response to the complaint, the Contractor was advised to enhance the performance of the temporary noise barriers such as increase the coverage of the noise barrier. Since the works were conducted within normal working hours with implementation of noise mitigation measures, there were no breaches of legislative requirement.	no comment by IEC on 27 Dec 2019	TCS00864/ 16/300/F03 38a
53	5-Mar-20		Tunnel work of Anderson Road Quarry Site (the Underpass)	t of On	Noise	EPD	<b>3.</b> T.4	本人是安達邨居民,隧道工程在安達臣的工程,施工至今嘈音間中改善,最近又有嘈音出現,仲係重低音,希望能加裝隔音設備,工程不知何時將嘈音減至最低。1. A public complaint was received by EPD on 5 March 2020 regarding the construction	In our investigation, CWSTVJV had implemented the noise mitigation measures to reduce to noise impact to the public. In response to the complaint, CWSTVJV had immediately installed a layer of acoustic mat at boundary of System A. Since the works were conducted within approved normal hours with implementation of noise mitigation measures, there were no violation of legislative requirement.	comment	TCS00864/ 16/300/F03 57a



Log ref.	Compiai	Receive	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	l og ret	Date of Complaint
								mentioned that the noise from construction was improved before but it became serious recently.			
54	4-Mar-20	17-Mar-2 0		Undiscl osed	Noise	1823	ref. 3-628323 7171	不斷發出強烈的嘈音,投訴人表示地盤是在曉明街藍球場旁邊的位置(投訴人未能告知確實街號),因此要求部門盡快回覆及告知有關情況。 A public complaint was received by 1823 on 4 March 2020 regarding the construction noise. The complainant mentioned that there were	construction site located near Hiu Ming Street Playground and not caused by the		TCS00864/ 16/300/F03 59a



Log ref.	Date of Complai nt	Receive	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
55	23-Mar-2 0		Near Lin Tak Road (E11)			Project hotline	NA	面,估計泥水是清洗工程 車輛所致,令梁先生的車 輛每次駛經時被濺濕及弄 污,請問有何措施改善問 題? A public complaint was received by project hotline on 23 March 2020 regarding overflow of	by CW-CMGCJV and corresponding measure was implemented to prevent overflow of wastewater out of the site. In our recent site inspection, no outflow of muddy water from the site was observed and the condition of concerned Lin Tak Road was satisfactory. It is considered that the complaint was unlikely due to the project.	by IEC on	TCS00864/ 16/300/F03 60a
56	17-Mar-2 0	(1)	Anderson Road Quarry Site	Residen t of Yan Tat House	Noise	Project hotline	NA	許有為區議員接獲安達邨 仁達樓 2613 室居民反 映,安達臣道石礦場發展 用地工程噪音持續兩年, 要求工程團隊下周派員到 有關單位視察,並採取可 行的噪音緩解措施。許有 為區議員要求陪同視察。 A public complaint was received by hotline on 17 March 2020 regarding the	In our investigation, CW-CMGCJV has implemented noise mitigation measures to reduce the noise impact and nuisance to the public. However, to eliminate the inconvenience caused to the nearby residents, CW-CMGCJV was advised to further adopt good practices on mitigating construction noise to reduce the noise impact to the nearby residents. 5. Since the works were carried out within the non-restricted hours, it is considered that the works under the contract did not breach the Noise Control Ordinance.	by IEC on	TCS00864/ 16/300/F03 61a



Log ref.	Date of Complai nt		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
							Anderson Road Quarry Site. The complainant mentioned that the			
57	1-Apr-20	Work Area Portion 2	Undisclosed	Noise	1823	NA	觀塘秀茂坪紀念公園傍及 曉明街的地盤,共兩個地 盤,是地政總署管轄的。 投訴人表示已被工程噪音 滋擾了兩年多;另外投訴 人得知完工時間要到 2021年,投訴人不明白為 何工程頭尾要3年多時間. 要求地政總署直接以電郵 回覆工程長的原因及有沒 有措施解決地盤發出的噪音。 A public complaint was received by 1823 on 1 April 2020 and subsequently transmitted to Environmental Team (ET) on 20 April 2020,	implemented noise mitigation measures to reduce the noise impact to the nearby resident. Nevertheless, since the construction site is close to the residential area, adequate noise mitigation measures shall be provided to reduce to noise nuisance to the public. It is concluded that the complaint was valid to the contract. However, as the works were carried out within the non-restricted hours, it is considered that the works under the contract did not breach the Noise Control Ordinance. Kwan On was reminded to implement the mitigation measures as far as practicable as recommended in the EM&A Programme.		TCS00864/ 16/300/F03 66a



Log ref.	Compiai	Receive	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
								noise mitigation measures to alleviate the noise impact arising from the construction work.			
58	11-May- 20		Work Area Portion 2	Undiscl osed	Noise	Project hotline	NA	public complaint was received by Project Hotline on 11 May 2020 regarding the noise generated from rock breaking work from a construction site opposite to Tsui Yeung House, which affecting his mother's health. The complainant enquired about the completion date of construction work			TCS00864/ 16/300/F03 70a



Log ref.	Date of Complai nt	Receive	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
59	18-Jun-2 0		Anderson Road Quarry Site, System B		Noise	EPD	NA	Tat House. The complainant understood that the Contractor could carry out construction works, other than percussive piling, before 7pm under the CNP and hoped that the Contractor could arrange the noisy construction works to be carried out before 6pm.	In our investigation, the Contractor has implemented noise mitigation measures to reduce the noise impact and nuisance to the public. Since the works were carried out within the non-restricted hours, it is considered that the works under the contract did not breach the Noise Control Ordinance. Nevertheless, as the construction site is close to the residential area, the Contractor was reminded to implement the mitigation measures as far as practicable as recommended in the EM&A Programme	by IEC on	TCS00864/ 16/300/F03 91a
59#	23-Jul-20		Anderson Road Quarry Site near On Tat Estate		Noise	EPD	NA	generated from the use of PME at Anderson Road Quarry Site near On Tat Estate at 6:30am (restricted	In our investigation, CWSTVJV had restricted the use of PME before 7am.  There was no construction work and use of PME during the restricted hours. Since the works were conducted within approved normal hours with implementation of noise mitigation measures, there were no violation of legislative requirement.  Nevertheless, as the construction site is	comment by IEC on	



Log ref.	Date of Complai nt	Receive		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
								relevant department to follow up.	close to the residential area, CWSTVJV was reminded to implement the mitigation measures as far as practicable as recommended in the EM&A Programme		
60	14-Nov-2 0	18-Nov-2 0	_	Undiscl osed	Noise	1823	NA	A public complaint was received by 1823 on 14 November 2020 regarding the construction noise. The complainant mentioned that there was piling works at Hiu Ming Street Playground, generating huge noise during 9AM to 10AM on 14 November 2020. He/she requested relevant department to follow up	In our investigation, there was no noise impact was observed and anticipated in Hiu Ming Street based on the site activities and our inspection record. Since the works were conducted within approved normal hours with implementation of noise mitigation measures, there were no violation of legislative requirement	by IEC on	TCS00864/ 16/300/F04 24
61	4-Dec-20	7-Dec-20	Opposite to On Tai Estate – lower portion of Road L4	Undiscl osed	Dust	EPD	NA	A public complaint was received by EPD on 4 December 2020 regarding	In our investigation, CWSTVJV has implemented dust mitigation measures to eliminate the inconvenience caused to the nearby resident. In view of the potential traffic dust impact and implementation of dust mitigation measures, it is considered that the complaint was not valid to the Project	by IEC on	TCS00864/ 16/300/F04 34
62	3-Dec-20	7-Dec-20	Ma Yau Tong Village (East Portal)		Noise and dust	1823 & EPD	3-657414 1017	A public complaint was	In our investigation, CWSTVJV had provided the dust and noise mitigation measures to minimize the dust and noise	no comment by IEC on	TCS00864/ 16/300/F04 35



Log ref.	Date of Complai nt	Receive	Complaint Location	Compl ainant	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
							dust and noise impact arising from the project. There were acoustic mats erected on the slope of East	impact to the resident nearby. To response the concern from the complainant, as enhancement noise measure, the Contractor extended the noise barrier to encircle noisy activity. Since the works were conducted within approved normal hours with implementation of noise and dust mitigation measures, there were no breaches of legislative requirement	4 January 2021	
63	7-Jan-21	7-Jan-21	System B	Residen t of Yan Tat House	Project hotline	NA	A public complaint was referred by district Councillor Mr. HSU Yau-wai and received by project hotline on 7 January 2021 regarding the construction noise. The complainant mentioned that the construction site next to SKH St. John's Tsang Shiu Tim Primary School generated noise problem and she requested	In our investigation, the Contractor has implemented noise mitigation measures to reduce the noise impact and nuisance to the public.6. Since the works were carried out within the non-restricted hours, it is considered that the works under the contract did not breach the Noise Control Ordinance. Nevertheless, as the construction site is close to the residential area, the Contractor was reminded to implement the mitigation measures as far as practicable as recommended in the EM&A Programme.	no comment by IEC on 19 July 2021	TCS00864/ 16/300/F04 41



Log ref.	Date of Complai nt			Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
64	18-Mar-2 1	18-Mar-2 1	(hetween ()n	osea	Noise	1823 & EPD	NA	A public complaint was received by 1823 and referred by EPD on 18 March 2021 regarding the construction noise generated from construction works at Anderson Road Quarry Site between On Tat Estate and On Tai Estate. The complainant expressed that construction works of the site started from 6:45am everyday which causing noise disturbance to the nearby resident and he/ she requested relevant department to follow up	In our investigation, CWSTVJV had restricted the use of PME before 7am. There was no construction work and use of PME during the restricted hours and there should not be any non-compliance of Noise Control Ordinance. Nevertheless, as the construction site is close to the residential area, CWSTVJV was reminded to implement the mitigation measures as far as practicable as recommended in the EM&A Programme	by IEC on 1 April	TCS00864/ 16/300/F04 54
65	1-Apr-21	-	Construction site near SKH St. John's Tsang Shiu Tim Primary School (System B under Contract 3)	Undiscl osed	Noise	EPD	NA	A complaint was received by EPD and referred to CEDD on 1 April 2021 regarding the construction noise. The complainant mentioned that piling work was conducted at construction site near SKH St. John's Tsang Shiu Tim Primary School in recent week which generated noise problem. Moreover, there were no noise mitigation measures provided in the construction site	In our investigation, the Contractor has implemented noise mitigation measures to reduce the noise impact and nuisance to the public. Since the works were carried out within the non-restricted hours, it is considered that the works under the contract did not breach the Noise Control Ordinance. Moreover, the Contractor has adopted noise mitigation measures to minimise noise impact to the public. Since the construction site is close to the residential area, the Contractor was reminded to implement the mitigation measures as far as practicable as recommended in the EM&A Programme	no comment	TCS00864/ 16/300/F04 58a



Log ref.	Date of Complai nt	Receive		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
66	28-Mar-2 1	30-Mar-2 1	Road Quarry Site (between On Tat Estate and On Tai	Fung House of On	Noise	EPD	K13/RE/ 0000708 6-21	A public complaint was received by EPD on 28 March 2021 regarding the construction noise generated from construction works at Anderson Road Quarry Site until 9pm on Monday to Saturday. Moreover, the complaint concerned about the construction noise heard on 28 March 2021 which was a Sunday.	In our investigation, CWSTVJV had followed that CNP for work during restricted hour and there should not be any non-compliance of Noise Control Ordinance. Nevertheless, some site areas had been handed over to other contract and construction noise generated from others is not controlled by the project. As a reminder, CWSTVJV should implement the mitigation measures as far as practicable as recommended in the EM&A Programme.	by IEC on	TCS00864/ 16/300/F04 59
67	11-Jun-2 1	1	Anderson Road Quarry Site	Residen t of Chi Tat House, On Tai Estate	Noise	EPD	EPD Ref.: 13208-21	Site. The complainant stated that there were noise nuisances from different construction sites from 0800 am to 1800 pm from Monday to Saturday without adequate noise mitigation measures. On 17 June 2021, the	6. In our investigation, CWSTVJV had implemented the noise mitigation measures to reduce to noise impact to the public. In response to the complaint, CWSTVJV had immediately installed a layer of acoustic barrier at boundary of concern works area. Since the works were conducted within approved normal hours with implementation of noise mitigation measures, there were no violation of legislative requirement.		TCS00864/ 16/300/F04 78a



Log ref.	Date of Complai nt		Complaint Location	Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
								and no mitigation measure was implemented for the rock breaking works.			
68	20&21/Ju ne/21		Anderson Road Quarry Site	DSD	Water Quality	EPD	EPD Ref.: 13208-21	EPD received complaints from DSD on 20 and 21 July 2021 concerning about discharge of muddy water as found on Po Lam Road and at the drainage facility near Tin Hau temple.	DSD were unlikely due to the C1 Project.  Nevertheless, CWSTVJV was advised to	by IEC on	TCS00864/ 16/300/F04 85b
69	14&16/S ep/21	15-Sep- 21	Anderson Road Quarry Site	DSD	Water Quality	EPD	NA	EPD received complaints from DSD on 14 Sep 2021 and 16 Sep 2021 concerning about discharge of muddy water as found at the catchpit SCH4003250 near Po Lam Road and catchpit SSH4001400 near Po Tat Tin Hau Temple.	undertaken immediately. Having investigated, the incidents were considered	6 October	



Log ref.	Compiai			Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
									closely monitor the discharge quality to avoid non-compliance of water quality happened in the construction site.  Moreover, to cope with the adverse weather condition in wet season,  CWSTVJV should regularly review the drainage plan as needed.		
70	23/Sep/2 1	29-Sep-2 1	Anderson Road Quarry Site	CEDD & EPD	Noise	CEDD &EPD	NA	A public complaint was referred by 1823 to both CEDD and EPD on 23 September 2021. The complainant stated that the construction works at Anderson Road Quarry Site started before 7am, which generated construction noise and affecting the upper floor resident of On Tat Estate. EPD have contacted the complainant and clarify that the concerned about construction dust and daytime construction noise after 7am.	Our investigation revealed that there was no construction works under the Project undertaken during the concerned period by the complainant, and there were other concurrent contracts on Anderson Road Quarry Site and the contribution noise may be related to others. Therefore, it is considered that the noise complaint was unlikely to be related to the works under the Project. Nevertheless, CWSTVJV was reminded to properly maintain the noise mitigation measures as far as practicable considering the construction site is relatively close to residential area.	No comment by IEC on 15 November 2021	
71	30/Mar/2 2	// /\ mr/ /	Anderson Road Quarry Site	DSD	Water Quality	DSD	NA	EPD received complaint from DSD on 28 March 2022 concerning about siltation and discharge of muddy water observed at the public drainage system	In our investigation, the Contractor had implemented the water quality mitigation measures to minimise the impact arising from the construction site. Based on the investigation findings, it is considered that the complaint was likely caused by the		TCS00864/ 16/300/F05 40



Log ref.	Date of Complai nt	Doggivo		Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
								at catchpit SSH4001400 near Tin Hau Temple and the site discharge points at Po Lam Road on 28 March 2022	interfacing contractors under rainy days and not due to the works under the Project.		
72	14/Apr/2 2	25/Apr/2	Anderson Road Quarry Site	DSD	Water Quality	DSD	NA	12 April 2022 and observed discharge of muddy water at public drainage system. The	In our investigation, the Contractor had implemented the water quality mitigation measures to minimise the impact arising from the construction site. Based on the investigation findings, it is considered that the complaint was likely caused by the interfacing contractors and not due to the works under the Project.	No comment by IEC on 16 May 2022	TCS00864/ 16/300/F05 41
73	11/May/ 2022		Anderson Road Quarry Site	DSD	Water Quality	DSD	NA		Based on the above findings and successive heavy rainstorm on 11 to 13 May 2022, it is considered the muddy water found in the concerned catchpit SSH4001400 near Tin Hau Temple and Po Lam Road on 11 to 13 May 2022 were likely caused by impact of rainstorm and partially contributed by the interfacing contractors at Sites R2-9 & R2-10.	No comment by IEC on 13 June 2022	TCS00864/ 16/300/F55 9
74	17/May/2 022	30/May/2	Anderson Road Quarry Site	DSD	Water Quality	DSD	NA	EPD received complaint from DSD on 14 and 16 May 2022 concerning about muddy water observed entering Tsui Ping River.	Heavy rain led to large amount of storm	13 June 2022	TCS00864/ 16/300/F56 2a



Log ref.	Date of Complai nt	Receive	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
75	27/May/2 022	• ,	Anderson Road Quarry Site	DSD	Water Quality	DSD	NA	EPD received complaint from DSD on 27 May 2022 concerning about muddy water observed entering Tsui Ping River, with similar situation observed at Tin Hau Temple and Po Lam Road.	have been caused by the project.  Heavy rain led to large amount of storm runoff from roads and landscape into the public drainage system, which deteriorated the water quality in the drainage system.  Besides, there were several construction sites at upstream of Tsui Ping River. It is considered that complaint mainly related to the interfacing contractor(s) and unlikely to have been caused by the project.	No comment by IEC on 13 June 2022	TCS00864/ 16/300/F56 3
76	6, 7, 8/J un/2022	7, 8, 9/J un/2022	Anderson Road Quarry Site	DSD	Water Quality	DSD	NA	the upstream near junction	amount of storm runoff from roads and landscape into the public drainage system, which deteriorated the water quality in the drainage system. Besides, there were several construction sites at upstream of Tsui Ping River. It is considered that complaint mainly related to the interfacing contractor(s) and unlikely to have been caused by the project.	Sent to EPD on 21 June 2022	TCS00864/ 16/300/F56 5
77	14/Jun/20 22	15/Jun/20 22	Anderson Road Quarry Site	DSD	Water Quality	DSD	NA	DSD concerning muddy	which deteriorated the water quality in the	Sent to EPD on 29 June 2022	TCS00864/ 16/300/F56 6



Log ref.	Date of Complai nt	Dogoisso	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
									complaint mainly related to the interfacing contractor(s) and unlikely to have been caused by the project.		
78	8/Aug/20 22	8/Aug/20 22	Anderson Road Quarry Site	DSD	Water Quality	DSD	NA	DSD advised EPD that muddy water was observed entering Tsui Ping River in the morning of 8 August 2022, with similar situation at Tin Hau Temple and Po Lam Road	As a matter of fact, heavy rain led to large amount of storm runoff from roads and landscape into the public drainage system, which deteriorated the water quality in the drainage system. No muddy water discharge was evident in the morning or afternoon of 8 August 2022. It is therefore considered that the muddy water discharge observed by DSD in the morning of 8 August 2022 was unlikely to have been caused by the ARQ contracts of C1 or C4.	No comment by IEC on 19 September 2022	TCS00864/ 16/300/F58 0
79	12/Aug/2 022	11//	Anderson Road Quarry Site	DSD	Water Quality	DSD	NA	muddy water was observed entering Tsui Ping River in the morning of 12 August 2022, with similar situation at Tin Hau Temple and Po	As a matter of fact, heavy rain led to large amount of storm runoff from roads and landscape into the public drainage system, which deteriorated the water quality in the drainage system. No muddy water discharge was evident in the morning of 12 August 2022. It is therefore considered that the muddy water discharge observed by DSD in the morning of 12 August 2022 was unlikely to have been caused by the ARQ contracts of C1 or C4.	by IEC on 19 September	TCS00864/ 16/300/F58 1
80	29&30/ Sep/2022	2022 & 3	Anderson Road Quarry (ARQ) Site	DSD	Water Quality	DSD	NA	made to EPD who requested CEDD in the	As a matter of fact, heavy rain led to large amount of storm runoff from roads and landscape into the public drainage system, which deteriorated the water quality in the drainage system. No muddy water	EPD on 18 October 2022	TCS00864/ 16/300/F59 3



Log ref.	Date of Complai nt	Dogoiyo	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
									discharge from ARQ Site was evident in the morning of 29 and 30 September 2022. It is therefore considered that the muddy water discharge observed by DSD in the morning of 29 and 30 September was unlikely to have been caused by the ARQ contracts of C1 or C4.		
									During wet season, the Contractor was strongly reminded to implement adequate water quality mitigation measures to minimise the impact arising from the construction site. The Contractor should closely monitor the discharge quality from the Site to avoid non-compliance. The ET will pay special attention on water quality mitigation measures implementation on site through regular site inspection, and give advice on remedial action when necessary.		
									Incidentally, it is noted that Site R2-9 has kept discharging muddy water to downstream manhole D310. Record photos of the manhole dated 6, 7 and 8 October 2022 are enclosed for reference.		
81	18/Oct/ 2022	20/Oct/ 2022	Anderson Road Quarry (ARQ) Site	DSD	Dust Quality	Referred by 1823 to EPD	NA	referred by 1823 to EPD on 18 October 2022, regarding the dust problem generated from the construction site in Anderson Road near On Tai Estate due to typhoon	In our investigation, both the Contractors had implemented dust mitigation measures to reduce to potential impact to the public. However, in particular during dry season, Contract 4 was reminded to enhance the dust suppressive measures as far as practicable. As there were no air monitoring results exceeding the limit level, it is considered that the dust	Sent to EPD on 3 November 2022	TCS00864/ 16/300/F59 6



Log ref.	Compiai	Dogoiyo	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
								who was a resident of Shing Tai House, On Tai Estate. The complainant expressed concern about the construction dust	the mitigation measures as far as practicable as recommended in the EM&A		
82	17/May/2 023	19/May/2 023	Anderson Road Quarry (ARQ) Site	DSD	Water Quality	DSD	NA	from DSD concerning muddy water was observed entering Tsui Ping River from the upstream in the afternoon of 17 <sup>th</sup> May 2023, with similar situation at Po Lam Road (山渠)。  The case was then referred from EPD to CEDD for follow-up. Environmental Team (ET) initiated the handing procedure in accordance with the Environmental Monitoring & Audit Manual to investigate whether it is related to the Project of Development of Anderson Road Quarry (ARQ) Site.	or Contract 4	Sent to EPD on 29 May 2023	TCS00864/ 16/300/F64 3



Log ref.	Date of Complai nt	Dogoiyo	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
83	4 July 2 023	4 July 2 023	Anderson Road Quarry (ARQ) Site	DSD	Water Quality	DSD	NA	EPD received complaint from DSD concerning muddy water was observed entering Tsui Ping River from the upstream in the morning of 4 July 2023, with similar situation at Po Lam Road (山渠).	inspections, and provide advice on remedial action when necessary.  As a matter of fact, the heavy rains led to large amount of storm runoff from roads and landscape into the public drainage system, which deteriorated the water quality in the drainage system. There was no evident muddy water discharge from ARQ Site in the morning of 4 July 2023. Therefore, it is considered unlikely that the muddy water discharge observed by DSD in the morning of 4 July 2023 was caused by the ARQ contracts of Contract 1 or Contract 4.  During the wet season, the Contractor was strongly reminded to implement adequate water quality mitigation measures to minimise the impact arising from the construction site. The Contractor should closely monitor the quality of the discharge from the Site to avoid non-compliance. The ET will pay special attention to the implementation of water quality mitigation measures on site through regular site inspections, and provide advice on remedial action when necessary.	Sent to EPD on 18 July 2023	TCS00864/ 16/300/F65 3
84	19 Jan 2 024	23 Jan 2 024	On Kin Road,	KTDC membe r Mr. Hsu Yau-wa i	Noise Quality	EPD	NA	received by EPD Regional Office (East) on 19 January 2024 regarding the construction noise generated from	As advised by the RE of Contract 4, under CEDD Contract No. ED/2020/02, the Contractor was required to lift 9 precast beams of an elevated walkway. The works was carried out over for four consecutive nights starting from 16 January 2024 and has already completed. The Contractor	Sent to EPD on 29 January 2024	TCS00864/ 16/300/F68 4a



Log ref.	Date of Complai nt	Dogoiyo	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
								· · · · · · · · · · · · · · · · · · ·	possessed a valid Construction Noise Permit (CNP) (GW-RE0030-24) from 15 to 24 January 2024.  The Contractor also confirmed that lift beams work was undertaken on On Kin Road between 16 to 20 January 2024. These works were conducted from 23:00 to 02:00 and involve the use of a crane as the only PEM, which complied with the relevant CNP (GW-RE0030-24). To mitigation noise impact on the public during nighttime, a series of acoustic mats were erected around the work area.		
85	23 and 2 6 Apr 2 024		Anderson Road Quarry (ARQ) Site	DSD	Water Quality	EPD	NA	EPD received complaint from DSD concerning muddy water was observed entering Tsui Ping River from the upstream on 23 and 26 April 2024, with similar situation at the catchpit at Tin Hau Temple.	were implemented and properly functioned.  (b) To minimize the generation of muddy water, the exposed areas were covered either with an impervious sheet or	Sent to EPD on 6 May 2024	TCS00864/ 16/300/F69 8a



Log ref.	Date of Complai nt		Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
									before discharge to the designated discharge points.		
86	6 May 2 024	6 May 2 024	Anderson Road Quarry (ARQ) Site	DSD	Water Quality	EPD	NA	EPD received complaint from DSD concerning muddy water was observed entering Tsui Ping River from the upstream on 6 May 2024, with similar situation at the catchpit at Tin Hau Temple.	functioned.  - To minimize the generation of muddy water, the exposed areas were covered either with an impervious sheet or	Sent to EPD on 20 May 2024	TCS00864/ 16/300/F70 1a
87	20 May 2024	20 May 2024	Anderson Road Quarry (ARQ) Site	DSD	Water Quality	EPD	NA	from DSD concerning muddy water was observed	implementation of mitigation measures	Sent to EPD on 30	TCS00864/1 6/300/F0702 a



Log ref.	Compiai	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
								functioned.  - To minimize the generation of muddy water, the exposed areas were covered either with an impervious sheet or through hydroseeding.  - Sump pits were constructed at the lowest point of the work area to store continuous rainfall, which helps prevent overload of wastewater treatment facilities were and ensures wastewater was properly treated before discharge to the designated discharge points.		
88		Anderson Road Quarry (ARQ) Site	DSD	Water Quality	EPD	NA	EPD received complaint from DSD concerning muddy water was observed entering Tsui Ping River (TPR) from the upstream at Tin Hau Temple in the morning of 9 September 2024.	<ul><li>(a) The wastewater treatment facilities were implemented and properly functioned.</li><li>(b) To minimize the generation of muddy water, the exposed areas</li></ul>	Sent to EPD on 23 September 2024	TCS00864/1 6/300/F0718 a



Log ref.	Compiai		Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
									wastewater treatment facilities and ensures wastewater was properly treated before discharge to the designated discharge points.		
89	15 and 1 8 December 2024	20 Dece mber 20 24	Anderson Road Quarry (ARQ) Site	Public	Dust and Muddy Water	EPD	NA	成條街道沙塵滾滾和大量 泥水流出地盤,直接流到 外面雨水渠。大型地盤離 輛,泥頭車無洗車設施塵, 經常吹到成條街沙塵經經 整物料沒有掩蓋滾 吹到成條街沙塵經經 挖機操作時未有做好。 選工人沖刷泥。 A public complaint was referred by EPD on 19 December 2024, regarding the dust and muddy water arising from the project. The complainant mentioned that the muddy water runoff from site and discharge of muddy water observed at the public drainage system. Moreover, sandy stockpile was not covered properly and lack of dust mitigation measures when the	and materials for storage in Site E3. Site inspection was carried out by the Contractor, the observation during site inspection on 15 and 18 December 2024 are summarised as follow.  (a) As dust mitigation measures, sandy stockpile was covered and water spraying was provided to reduce dust impact.  (b) Vehicular access roads under Contract 3 were hard paved on haul road at exit point and sprayed continuously by water bowser to minimize generation of fugitive dust.  (c) Vehicle wheel and body washing was provided before leaving site and facilities were constructed to collect wastewater from wheel washing to prevent muddy water runoff from site.  (d) Mechanical cover for dump truck	Sent to EPD on 30 December 2024	TCS00864/1 6/300/F0730 a



Log ref.	Date of Complai nt	Dogoiyo	Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
								excavator was operation and fugitive dust was blowing to the street.			
90	22 Janua ry 2025	23 Janua ry 2025	Anderson Road Quarry (ARQ) Site	DSD	Muddy Water	EPD	NA	Muddy water was observed from the upstream drainage systems collecting discharged from the development sites of ARQ.  EPD received complaint from DSD concerning muddy water discharge was observed from the upstream drainage systems collecting discharges from the development sites of ARQ on 22 January 2025. As the muddy water would finally enter Tsui Ping River (TPR) and causes pollution problem to TPR.	The discharge points of ARQ Site were located at Q2 and catchpit at Po Lam Road. The remaining area under Contract 1 were some hard paved roads within the ARQ Site. There were no water quality impact anticpated for Contract 1 from the remaining works.  Joint site inspection among the RSS, Contractor of Contract 4 and ET was carried out on weekly basis to audit the environmental performance. The implementation of mitigation measures were summarized below:-	Sent to EPD on 10 February 2025	TCS00864/1 6/300/F0738 a



Log ref.	Compiai		Complaint Location	Compl ainant		Channel	Ref. no.	Complaint details	Follow up action	Log ref.	Date of Complaint
									were constructed at the lowest point of the work area to store continuous rainfall, which helps prevent overload of wastewater treatment facilities and ensures wastewater was properly treated before discharge to the designated discharge points.		
91	27 and 2 8 Februa ry 2025	28 Febru ary and 1 March 2025	Anderson Road Quarry (ARQ) Site	DSD	Water Quality	EPD	NA	During DSD's site inspection at ARQ Site Underground Stormwater Retention (USTR) Tank on 27 Feb 2025, continuous inflow of muddy water, construction debris and cementitious material into the tank was observed.  Additionally, discharge of tar from the upstream drainage systems at ARQ sites into the tank was also observed during DSD's site inspection on 28 Feb 2025.	As advised by the RSS, the majority of the Contract 1 area has been handed over to other contracts on ARQ Site (such as building contract). Each of these interfacing contractors should have been granted a license for discharge under the Water Pollution Control Ordinance. The remaining work under Contract 1 includes recent road resurfacing. However, based on the work nature and lack of rainfall in recent weeks, the release of cementitious material, muddy water and tar into the USRT were not anticipated.  Joint site inspection among the RSS, Contractor of Contract 4 and ET was carried out on weekly basis to audit the environmental performance. The	Sent to EPD on 5 March 2025	TCS00864/1 6/300/F0742 b



Log ref.	Date of Complai nt	Date of Receive d by ET	Complaint Location	Compl ainant	Complaint nature	Channel	Ref. no.	Complaint details	Follow up action Log re	Date of Complaint
									tarpaulin sheet or through hydroseeding.	
									(f) The haul road under Contract 4 was hard-paved to minimize the generation of muddy water, and no muddy runoff from the site was observed.	



### Appendix N

**Implementation Status for Water Quality Mitigation Measures** 

### **Water Quality Mitigation Measure**



Q1. Wastewater treatment facility 30 cu.m Sedimentation Tank + AquaSed of 15 cu.m per hour + WETSEP



Q1. Wastewater treatment facility 30 cu.m Sedimentation Tank + AquaSed of 15 cu.m per hour + WETSEP