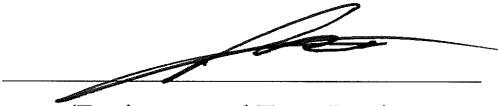


Civil Engineering and Development Department

Trunk Road T2 **Quarterly Environmental Monitoring and** **Audit Report** **(under EP-458/2013/C)** May 2026 - July 2026 (Version 1.0)

Approved By 
(Environmental Team Leader:
Mr. KS Lee)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

CINOTECH accepts no responsibility for changes made to this report by third parties

CINOTECH CONSULTANTS LTD

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Ref.: CEDKTD2EM00_0_0956L.26.doc

17 August 2026

Hyder-Meinhardt Joint Venture
23/F, Two Harbour Square
180 Wai Yip Street, Kwun Tong
Kowloon, Hong Kong

By Post and Email

Attention: Mr. Edwin Ching

Dear Mr. Ching,

**Re: Agreement No. EDO 01/2019
Independent Environmental Checker for
Contract No. ED/2018/04 – Trunk Road T2 and Infrastructure Works for
Developments at the Former South Apron
(Environmental Permit: EP-458/2013/C)**

Quarterly EM&A Summary Report (May 2026 to July 2026)

Reference is made to the Environmental Team's submission of the Quarterly EM&A Summary Report for May 2026 to July 2026 (Version 1.0) certified by the ET Leader and provided to us via email on 17 May 2026.

We are pleased to inform you that we have no adverse comment on the captioned submission.

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

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



Y H Hui
Independent Environmental Checker

c.c.	CEDD	Attn.: Mr. Tommy Wong	Fax: 2739 0076
	BTP	Attn.: Mr. Ivan Chau	By email
	Cinotech	Attn.: Mr. K. S. Lee	Fax: 3107 1388

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EXECUTIVE SUMMARY**Introduction**

1. This is the 25th Quarterly Environmental Monitoring and Audit (EM&A) Report prepared by the Environmental Team (ET), Cinotech Consultants Ltd., for Contract No. ED/2018/04 “Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron”, Contract No. ED/2020/03 “Trunk Road T2 - Traffic Control And Surveillance System (TCSS) and Associated Works” and Contract No. NE/2015/01 “Tseung Kwan O – Lam Tin Tunnel–Main Tunnel and Associated Works”. This report summarized the monitoring results and audits findings of the EM&A programme under the issued Environmental Permit (EP) No. EP-458/2013/C and in accordance with the EM&A Manual (AEIAR-173/2013) during the reporting period from May 2026 to July 2026.
2. During the reporting quarter, the following works contracts were undertaken within the site:
 - Contract No.: ED/2018/04 - Trunk Road T2 and Infrastructure Works for Developments at South Apron
 - Contract No.: ED/2020/03 - Trunk Road T2 - Traffic Control and Surveillance System (TCSS) and Associated Works
 - Contract No.: NE/2015/01 - Tseung Kwan O – Lam Tin Tunnel–Main Tunnel and Associated Works

Summary of Main Works Undertaken and Key Measures Implemented

3. The construction activities undertaken in the reporting quarter were as follows:

Contract No.	Project Title	Reporting Month	Site Activities
ED/2018/04	Trunk Road T2 and Infrastructure Works for Developments at South Apron	May 2026	• CKL Tunnel Internal Structure • CKL – E&M works • EVB – E&M works • EVB – External works
		June 2026	• CKL Tunnel Internal Structure • CKL – E&M works • EVB – E&M works • EVB – External works
		July 2026	• CKL – E&M works • EVB – E&M works • EVB – External works
ED/2020/03	Trunk Road T2 - Traffic Control And Surveillance System (TCSS) and Associated Works	May 2026	• Installation of TCSS equipment, cable containment and cable laying at CKL Tunnel, Branch Tunnel, TKO-LTI, EVB & ADB
		June 2026	
		July 2026	
NE/2015/01	Tseung Kwan O – Lam Tin Tunnel–Main Tunnel and Associated Works	May 2026	• NA
		June 2026	
		July 2026	

4. Implementation of the key mitigation measures during the reporting period are as follows:

Construction Noise

- Construction activities were scheduled to minimize noise nuisance to the nearby sensitive receiver
- Conduct regular noise monitoring
- Use of Quality Powered Mechanical Equipment (QPME) on site
- Erected the noise barrier on site
- Close the site entry to reduce noise impact

Air Quality

- Regularly watering on site to avoid dust generation
- Cover cement bags with more than 20 bags per stack

Water Quality

- Pump out ponding water

Waste Management

- Avoid accumulation of general refuse or construction waste

Landscape and Visual

- Tree protection zones were fenced off to protect the existing trees on site

Environmental Monitoring Works

5. Environmental monitoring for the Project was performed in accordance with the EM&A Manual and the monitoring results were checked and reviewed. Site Inspections/Audits were conducted once per week. The implementation of the environmental mitigation measures, Event Action Plans and environmental complaint handling procedures were also checked.
6. Summary of the non-compliance in the reporting quarter for the Project is tabulated in **Table I**. Details of the environmental monitoring results is presented in **Section 3**.

Table I Non-compliance (Exceedance) Record for the Project in the Reporting Quarter

Table 1: Non-compliance (Exceedance) Record for the Project in the Reporting Quarter					
Parameter	No. of Exceedance		No. of Exceedance due to Construction Activities of this Project		Action Taken
	Action Level	Limit Level	Action Level	Limit Level	
May 2026					
Air Quality	0	0	0	0	N/A
Noise	0	0	0	0	N/A
Marine Water Quality	N/A	N/A	N/A	N/A	N/A
Groundwater Level Monitoring (Piezometer Monitoring)	N/A	N/A	N/A	N/A	N/A
Ecological	N/A	N/A	N/A	N/A	N/A
Cultural Heritage	N/A	N/A	N/A	N/A	N/A
Landfill Gas	N/A	N/A	N/A	0	N/A
June 2026					
Air Quality	0	0	0	0	N/A
Noise	0	0	0	0	N/A
Marine Water Quality	N/A	N/A	N/A	N/A	N/A
Groundwater Level Monitoring (Piezometer Monitoring)	N/A	N/A	N/A	N/A	N/A

Parameter	No. of Exceedance		No. of Exceedance due to Construction Activities of this Project		Action Taken
	Action Level	Limit Level	Action Level	Limit Level	
Ecological	N/A	N/A	N/A	N/A	N/A
Cultural Heritage	N/A	N/A	N/A	N/A	N/A
Landfill Gas	N/A	N/A	N/A	0	N/A
July 2026					
Air Quality	0	0	0	0	N/A
Noise	0	0	0	0	N/A
Marine Water Quality	N/A	N/A	N/A	N/A	N/A
Groundwater Level Monitoring (Piezometer Monitoring)	N/A	N/A	N/A	N/A	N/A
Ecological	N/A	N/A	N/A	N/A	N/A
Cultural Heritage	N/A	N/A	N/A	N/A	N/A
Landfill Gas	N/A	N/A	N/A	0	N/A

Note:

N/A - Not Applicable.

Summary of Complaint, Warning, Notification of Summons and Successful Prosecution

7. Summary of key information in the reporting quarter is tabulated in **Table II**.

Table II Summary Table for Key Information in the Reporting Quarter

Event	Event Details		Action Taken	Status
	Number	Nature		
Complaints Received	0	---	N/A	N/A
Notifications of any summons & prosecutions received	0	---	N/A	N/A

N/A – Not Applicable

8. Environmental monitoring works for the Project are considered effective and is generating data to categorically identify the environmental impacts from the works and influencing factors in the vicinity of monitoring stations.

Reporting Changes in the Reporting Quarter

9. No reporting change in the reporting quarter.

1. INTRODUCTION

Background

- 1.1 In 2009, Civil Engineering and Development Department (CEDD) commissioned a Kai Tak Development (KTD) – Trunk Road T2 and Infrastructure at South Apron Investigation. The assignment covers the provision of the Trunk Road T2 and its connections with the Central Kowloon Route (CKR) at the north apron area and the Tseung Kwan O – Lam Tin Tunnel (TKOLTT) to the south in the Cha Kwo Ling area.
- 1.2 The Trunk Road T2 Project is one of the designated Projects under Schedule 2 of the EIAO proposed in the KTD. CEDD submitted the Project Profile (No. PP-379/2009) on 24 March 2009 for application for an EIA study brief for the Trunk Road T2 Project under the EIAO. Accordingly, an EIA Study Brief (ESB-203/2009) for the Trunk Road T2 Project was issued on 30 April 2009. The Environmental Impact Assessment (EIA) Report for the Trunk Road T2 Project was approved under the Environmental Impact Assessment Ordinance (EIAO) on 19 September 2013. The corresponding Environmental Permit (EP) was issued on 19 September 2013 (EP no.: EP-451/2013).
- 1.3 The Contract No. ED/2018/04 is the main contract of Trunk Road T2 (“T2 Main Works”) which comprises mainly the design and construction of a dual two-lane trunk road of approximately 3.0km long with about 2.7km of the trunk road in form of tunnel; ventilation and administration buildings, environmental protection and mitigation works and etc. Moreover, the Contract No. ED/2020/03 is the other contract under Trunk Road T2 Project which comprises mainly design and construction of the TCSS for this Project. The EM&A programme under the Contract ED/2018/04 and ED/2020/03 are governed by the two EPs (EP-451/2013 and EP-458/2013/C) and two EM&A Manuals (AEIAR-174/2013 and AEIAR-173/2013). The work areas of the T2 Main Works are shown in **Figure 1** and the works to be executed under these Contract and corresponding EPs are summarized as follows:

Environmental Permit	Works Description
EP-451/2013 – Trunk Road T2	<u>ED/2018/04</u> - Construction of highway and sub-sea tunnel connecting between Central Kowloon Route and Cha Kwo Ling Tunnel - Western & Eastern Ventilation Buildings
	<u>ED/2020/03</u> Design and construction of TCSS for Trunk Road T2
EP-458/2013/C – Tseung Kwan O – Lam Tin Tunnel (TKOLTT) and Associated Works	<u>ED/2018/04</u> Construction of Cha Kwo Ling Tunnel from the end of Trunk Road T2 to the TKOLTT at the Eastern Ventilation Building
	<u>ED/2020/03</u> Design and construction of TCSS for Trunk Road T2

Monitoring Works in Lam Tin under EP-458/2013/C

- 1.4 Under Agreement No. CE 59/2015 (EP) – Tseung Kwan O – Lam Tin Tunnel (TKOLLT) and Associated Works, the baseline monitoring works in Lam Tin under the EM&A Manual (AEIAR-173/2013) were conducted by the Environmental Team (ET) for the Agreement No. CE 59/2015 (EP) at the approved monitoring locations, namely AM1, AM2, AM3, AM4, AM4 (A) CM1, CM2, CM3, CM4 and CM5. Impact monitoring within the Lam Tin area shall be conducted by the ET of Contract No. ED/2018/04 upon cessation of Agreement No. CE 59/2015 (EP). The data obtained from the impact monitoring works completed by the ET of Agreement No. CE 59/2015 (EP) will be adopted in this report
- 1.5 Cinotech Consultants Ltd. was designated as the Environmental Team (ET) to undertake the EM&A works for “Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron” (hereinafter called the “Project”).
- 1.6 For the project “Tseung Kwan O – Lam Tin Tunnel and Associated Works” (TKO-LTT) under EP-458/2013/C, all works contracts except Contract No. NE/2015/01 has been terminated on 17 July 2025 after the approval by EPD. As Contract No. NE/2015/01 (under TKO-LTT) and Contract No. ED/2018/04 & ED/2020/03 (under Trunk Road T2) falls under the same EP 458/2013/C, the reporting of the remaining EM&A works for Contract No. NE/2015/01 (Lam Tin portion of TKO-LTT) will be subsumed into the EM&A reporting for the T2 project and presented as a single combined report starting from August 2025.

Purpose of the Report

- 1.7 This is the 25th Quarterly EM&A Summary Report summarizing the EM&A works for the Project in between May 2026 to July 2026.

Project Organizations

- 1.8 Different parties with different levels of involvement in the project organization include:
- Permit Holder – Civil Engineering and Development Department (CEDD)
 - Supervisor Representative – Hyder-Meinhardt Joint Venture (HMJV)
 - Environmental Team (ET) – Cinotech Consultants Limited (Cinotech)
 - Independent Environmental Checker (IEC) – Ramboll Hong Kong Limited (Ramboll)
 - Contractor – Bouygues Travaux Publics (BTP)
- 1.9 The key contacts of the Project are shown in **Table 1-1**.

Table 1-1 Key Project Contacts

Party	Role	Contact Person	Phone No.
CEDD	Permit Holder	Mr. NG Chou Keen, Horace	3842 7091
HMJV	Supervisor Representative	Ms. Hazel Tang	2149 8524
Cinotech	Environmental Team	Mr. KS Lee (ETL)	2151 2091
		Ms. Karina Chan	2157 3880
Ramboll	Independent Environmental Checker	Mr. YH Hui	3465 2850
BTP	Contractor (ED/2018/04)	Mr. Mandy Cheung	6604 6567

GTECH	Contractor (ED/2020/03)	Mr. Deacon Choi	6038 3568
LCSJV	Contractor (NE/2015/01)	Mr. Valentine Ho	3973 0409

1.10 The Organizational Structure for Environmental Management is shown in **Figure 1.2**.

Construction Activities undertaken during the Report Quarter

1.11 The major site activities undertaken in the reporting quarter are shown as follow:

Contract No.	Project Title	Reporting Month	Site Activities
ED/2018/04	Trunk Road T2 and Infrastructure Works for Developments at South Apron	May 2026	• CKL Tunnel Internal Structure • CKL – E&M works • EVB – E&M works • EVB – External works
		June 2026	• CKL Tunnel Internal Structure • CKL – E&M works • EVB – E&M works • EVB – External works
		July 2026	• CKL – E&M works • EVB – E&M works • EVB – External works
ED/2020/03	Trunk Road T2 - Traffic Control And Surveillance System (TCSS) and Associated Works	May 2026	• Installation of TCSS equipment, cable containment and cable laying at CKL Tunnel, Branch Tunnel, TKO-LTI, EVB & ADB
		June 2026	
		July 2026	
NE/2015/01	Tseung Kwan O – Lam Tin Tunnel– Main Tunnel and Associated Works	May 2026	• NA
		June 2026	
		July 2026	

2. ENVIRONMENTAL MONITORING AND AUDIT REQUIREMENTS

Monitoring Parameters and Monitoring Locations

- 2.1 The EM&A Manual designates locations for environmental monitoring in terms of air quality, noise, and landfill gas due to the Project. The Project area and monitoring locations are depicted in **Figures 2. Appendix A** gives details of monitoring requirements.

Monitoring Methodology and Calibration Details

- 2.2 Monitoring works/equipment were conducted/calibrated regularly in accordance with the EM&A Manual. Copies of calibration certificates are attached in the appendices of the corresponding Monthly EM&A Reports.

Environmental Quality Performance Limits (Action and Limit Levels)

- 2.3 The environmental quality performance limits, i.e. Action and Limit Levels were derived from the baseline monitoring results. Should the measured environmental quality parameters exceed the Action/Limit Levels, the respective action plans would be implemented. The Action/Limit Levels for each environmental parameter are given in **Appendix B**.
- 2.4 Should the monitoring results of the environmental monitoring parameters at any designated monitoring stations indicate that the Action / Limit Levels are exceeded, the actions in accordance with the Event and Action Plans in **Appendix K** was carried out.

Implementation Status of Environmental Mitigation Measures

- 2.5 Relevant mitigation measures as recommended in the project EIA report have been stipulated in the EM&A Manual for implementation by the Contractor. The implementation status of environmental mitigation measures (EMIS) is given in **Appendix G**.

Site Audit Summary

- 2.6 During site inspections in the reporting period, no non-compliances was recorded. The observations and recommendations made during the reporting period are summarized in **Appendix F**.

Status of Waste Management

- 2.7 The amount of wastes generated by the construction activities during the reporting period is shown in **Appendix H**.

3. MONITORING RESULTS**Weather Conditions**

- 3.1 The weather during monitoring sessions was summarized in **Table 3-1**.

Table 3-1 Summary of Weather Conditions in the Reporting Period

Reporting Month	General Weather Conditions
May 2026	Sunny, Cloudy, Fine, Rainy
June 2026	Sunny, Cloudy, Fine, Rainy
July 2026	Sunny, Cloudy, Fine, Rainy

- 3.2 The detail of weather conditions for each individual monitoring session was presented in the corresponding monthly EM&A report.

Air Quality

- 3.3 All 1-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/Limit Level exceedance was recorded.
- 3.4 All 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/Limit Level exceedance was recorded in the reporting quarter.
- 3.5 The graphical presentations of the air quality monitoring results are shown in **Appendix C**.

Construction Noise

- 3.6 All noise monitoring was conducted as scheduled in the reporting month. No Action Level exceedance was recorded in this reporting quarter, and no Limit Level exceedance was recorded in this reporting quarter. The graphical presentations of the noise monitoring results are shown in **Appendix D**.

Water QualityGroundwater Quality

- 3.7 The existing groundwater quality monitoring programme has been suspended as the monitoring results had been deemed non-representative of the impact from the project justified by two major factors: (1) influence on the monitoring results from non-project related factors, such as anthropogenic activities and natural phenomenon; and (2) large separation between the monitoring stations and works area. In addition, as no alternative locations for the groundwater quality monitoring were available, the groundwater quality monitoring has been suspended since October 2019 upon the agreement by EPD.

Marine Water Quality

- 3.8 According to Section 4.4.3 of EM&A Manual (AEIAR-173/2013), marine water quality impact monitoring stations is carried out during marine construction for TKOLTT reclamation. Since the construction of Cha Kwo Ling Tunnel from the end of Trunk Road T2 to the TKOLTT at the Eastern Ventilation Building does not involve reclamation, the marine water quality monitoring programme stated in Section 4.4 of the EM&A Manual (AEIAR-173/2013) is therefore not applicable to Contract No. ED/2018/04.

Groundwater Level Monitoring (Piezometer Monitoring)

- 3.9 According to Section 4.1.2 of EM&A Manual (AEIAR-173/2013), daily piezometer monitoring will be carried out on a daily basis when any tunnel construction activities are carried out within +/- 50m of the piezometer gate in plan. As the construction works of Cha Kwo Ling Tunnel from the end of Trunk Road T2 to the TKOLTT at the Eastern Ventilation Building is approximately 120m away from the piezometer gate in plan, the piezometer monitoring programme stated in Section 4.2 of the EM&A Manual (AEIAR-173/2013) is therefore not applicable to Contract No. ED/2018/04

Ecological Monitoring

- 3.10 Post-translocation monitoring survey is recommended in Section 6.2.5 of the EM&A Manual (AEIAR-173/2013), to audit the success of coral translocation. Since the construction of Cha Kwo Ling Tunnel from the end of Trunk Road T2 to the TKOLTT at the Eastern Ventilation Building does not involve any marine works in the concerned area mentioned in Section 6.1.2 of the EM&A Manual (AEIAR-173/2013), the post-translocation monitoring survey stated in Section 6.2.5 of the EM&A Manual (AEIAR-173/2013) is therefore not applicable to Contract No. ED/2018/04.

Monitoring on Cultural Heritage

- 3.11 As the construction works of Cha Kwo Ling Tunnel from the end of Trunk Road T2 to the TKOLTT at the Eastern Ventilation Building are located more than 100m away from the Cha Kwo Ling Tin Hau temple, the vibration impact monitoring stated in Section 8.3.1 of the EM&A Manual (AEIAR-173/2013) is not applicable to Contract No. ED/2018/04.

Landscape and Visual Monitoring and Audit

- 3.12 The implementation of landscape and visual mitigation measures was checked during the environmental site inspections. Recommended follow-up actions have been discharged by the Contractor. Details of the audit findings and implementation status are presented in **Appendix F**.

Landfill Gas Monitoring

- 3.13 Since no excavation activity for this Project was carried out within the Sai Tso Wan Landfill Consultation Zone in this reporting quarter, therefore, no landfill gas monitoring was required.

Waste Management

- 3.14 Site audits were carried out on a weekly basis to monitor and ensures that proper storage, transportation and disposal practices of wastes generated from this Project include inert construction and demolition (C&D) materials, non-inert C&D materials. Details of waste management data is presented in **Appendix H**.

Fisheries

- 3.15 According to Section 7.1.3 of EM&A Manual (AEIAR-173/2013), no specific fisheries monitoring programme is required during the construction phase.

Influencing Factors on the Monitoring Results

- 3.16 During the reporting period, the major dust and noise source identified at the designated monitoring stations are as follows:

Table 3-2 Major Dust Sources during the Monitoring in the Reporting Period

Station	Major Dust Source
AM1 – Tin Hau Temple	Road Traffic at Cha Kwo Ling Road
AM2 – Sai Tso Wan Recreation Ground	Road Traffic along Sin Fat Road
AM3 – Yau Lai Estate Bik Lai House	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza
AM4 - Sitting-out Area at Cha Kwo Ling Village	Road Traffic at Cha Kwo Ling Road
AM4(B) - Cha Kwo Ling Public Cargo Working Area Administrative Office *	Road Traffic at Cha Kwo Ling Road

*: AM4(A) is not available for conducting monitoring due to the demolition of administrative office, the relocation of monitoring station from AM4(A) to AM4(B) has been approved by EPD on 11 July 2022.

Table 3-3 Major Noise Sources during the Monitoring in the Reporting Period

Monitoring Stations	Locations	Major Noise Source
CM1	Nga Lai House, Yau Lai Estate Phase 1, Yau Tong	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza
CM2	Bik Lai House, Yau Lai Estate Phase 1, Yau Tong	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza
CM3	Block S, Yau Lai Estate Phase 5, Yau Tong	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza
CM4	Tin Hau Temple, Cha Kwo Ling	Road Traffic at Cha Kwo Ling Road
CM5	CCC Kei Faat Primary School, Yau Tong	Road Traffic near Eastern Cross Harbour Tunnel Toll Plaza

4. NON-COMPLIANCE (EXCEEDANCES) OF THE ENVIRONMENTAL QUALITY PERFORMANCE LIMITS (ACTION AND LIMIT LEVELS)

Summary of Exceedances

- 4.1 Environmental monitoring works were performed in the reporting period and all monitoring results were checked and reviewed. A summary of exceedances is attached in **Appendix I**.

Air Quality

- 4.2 No Action Level exceedance was recorded in the reporting quarter. No Limit Level exceedance was recorded in the reporting quarter.

Construction Noise

- 4.3 No Action Level exceedance was recorded due to the documented complaint in the reporting quarter.
- 4.4 No Limit Level exceedance for construction noise monitoring was recorded in the reporting quarter.

Review of the Reasons for and the Implications of Non-compliance

- 4.5 During site audits in the reporting quarter, no non-compliance was recorded. Recommendations made in each individual site audit session were attached in the **Appendix F**.

Landscape and Visual

- 4.6 No non-compliance of the landscape and visual impact was recorded in the reporting quarter.

Summary of Environmental Complaints and Prosecutions

- 4.7 No environmental complaint on this Project was received in the reporting quarter.
- 4.8 No environmental warning, prosecution and notification of summons were received in the reporting quarter.

5. COMMENTS, CONCLUSIONS AND RECOMMENDATIONS

Review of Monitoring Methodology and the Practicality and Effectiveness of EM&A Programme

- 5.1 The EM&A methodology has been effective in monitoring the environmental impacts of the Project and the effectiveness of the mitigation measures. The data collected were useful in determining whether the Project had caused unacceptable impacts on the sensitive receivers. Analysis of all EM&A data collected throughout the baseline and the impact periods demonstrated the environmental acceptability of the Project.

Effectiveness of Mitigation Measures

- 5.2 The mitigation measures recommended in the EIA report are considered effective in minimizing environmental impacts.
- 5.3 The Contractor has implemented the recommended mitigation measures except those mitigation measures not applicable at this stage.
- 5.4 Environmental monitoring works were performed in the reporting quarter and all monitoring results were checked and reviewed.
- 5.5 The summary record of non-compliance (exceedances) of Action/Limit Level for environmental monitoring in the reporting quarter has been presented in **Table I** above and in **Appendix I**.
- 5.6 No environmental complaint was received in the reporting quarter. The details were attached in the **Appendix J**.
- 5.7 No warning, notification of summon and environmental prosecution was received in the reporting quarter. The details were attached in the **Appendix J**.

Recommendations

- 5.8 Joint weekly site audits by the representatives of the Engineer, Contractor and the ET were conducted in the reporting quarter. The following recommendations was made to the Contractor for the coming reporting month:

Water Quality

- Ponding water should be avoided

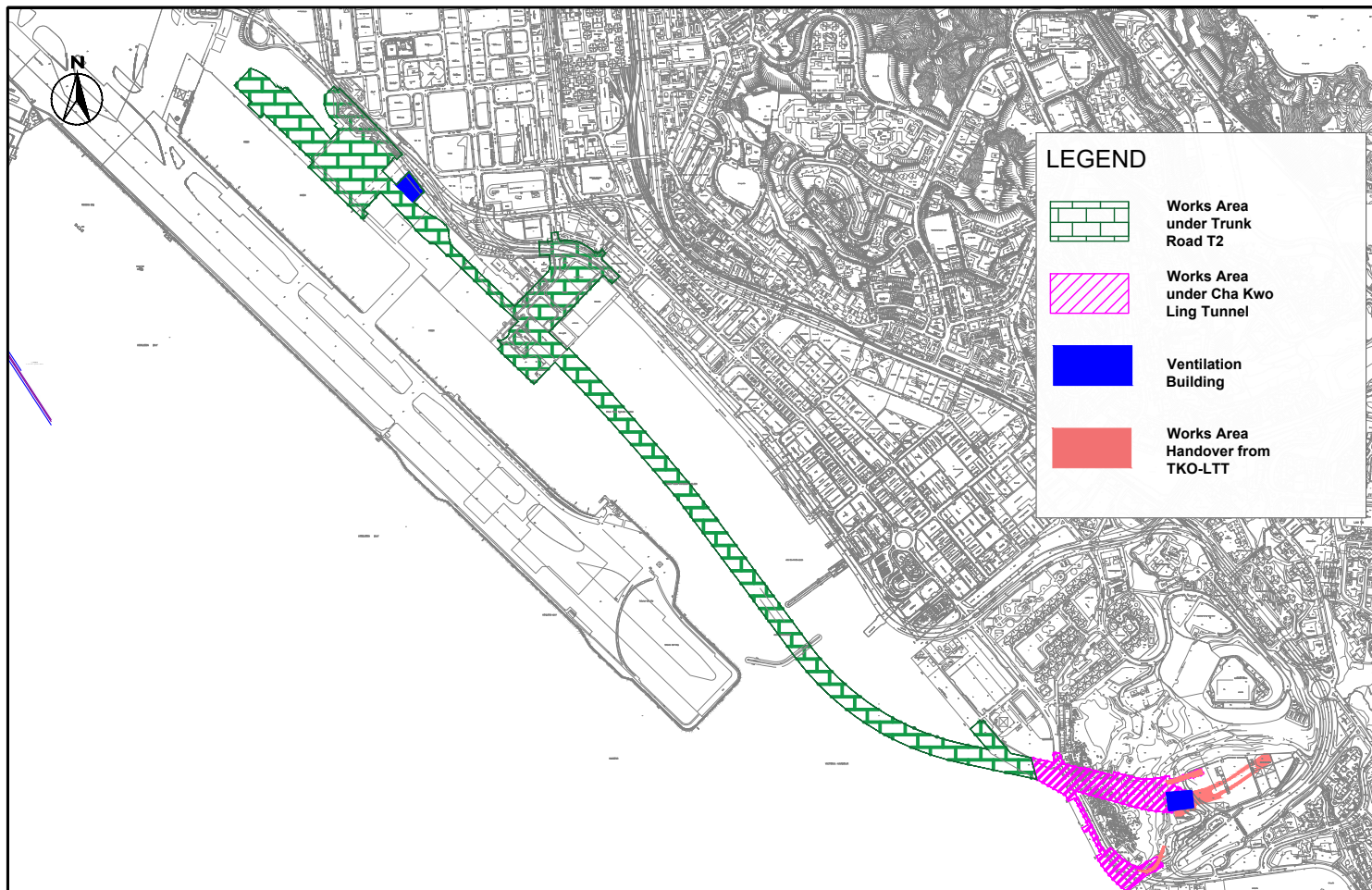
Air Quality

- NRMM Label should be provided to PME
- Cement bags should be covered with a top if more than 20 bags per stack

Waste / Chemical Management

- The construction waste / general refuse should be removed and disposed timely

FIGURES



LEGEND



Works Area
under Trunk
Road T2



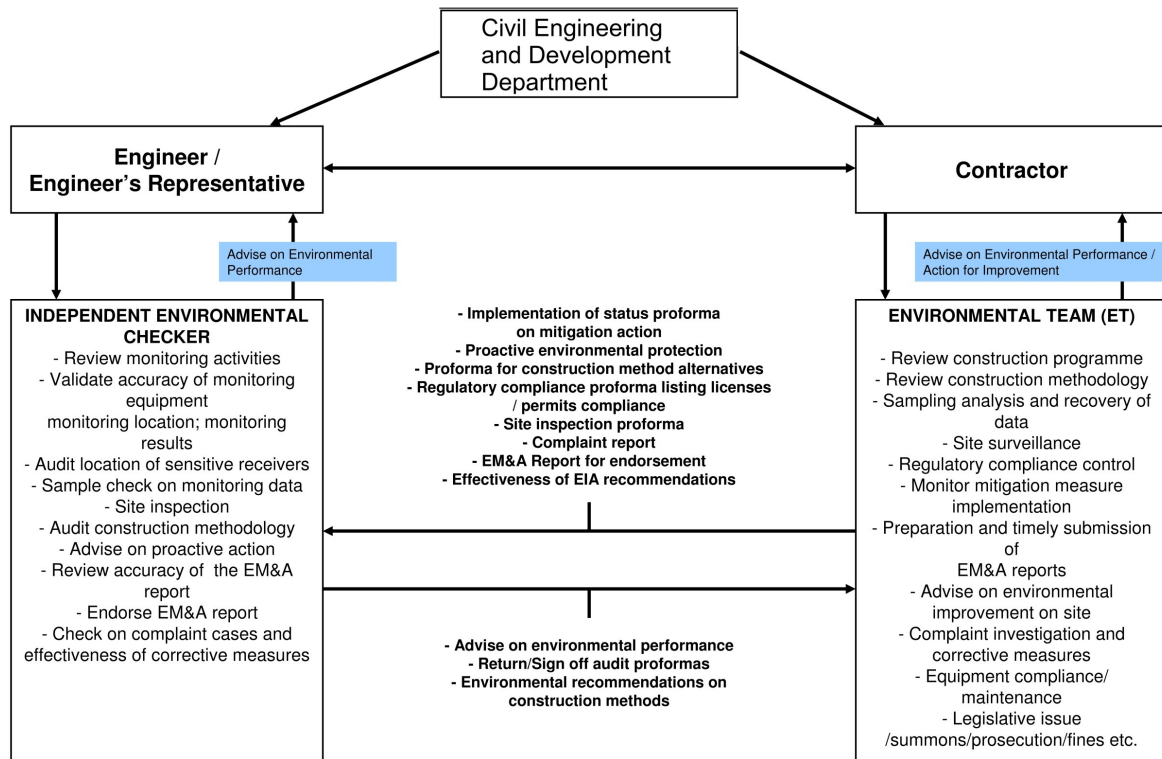
Works Area
under Cha Kwo
Ling Tunnel



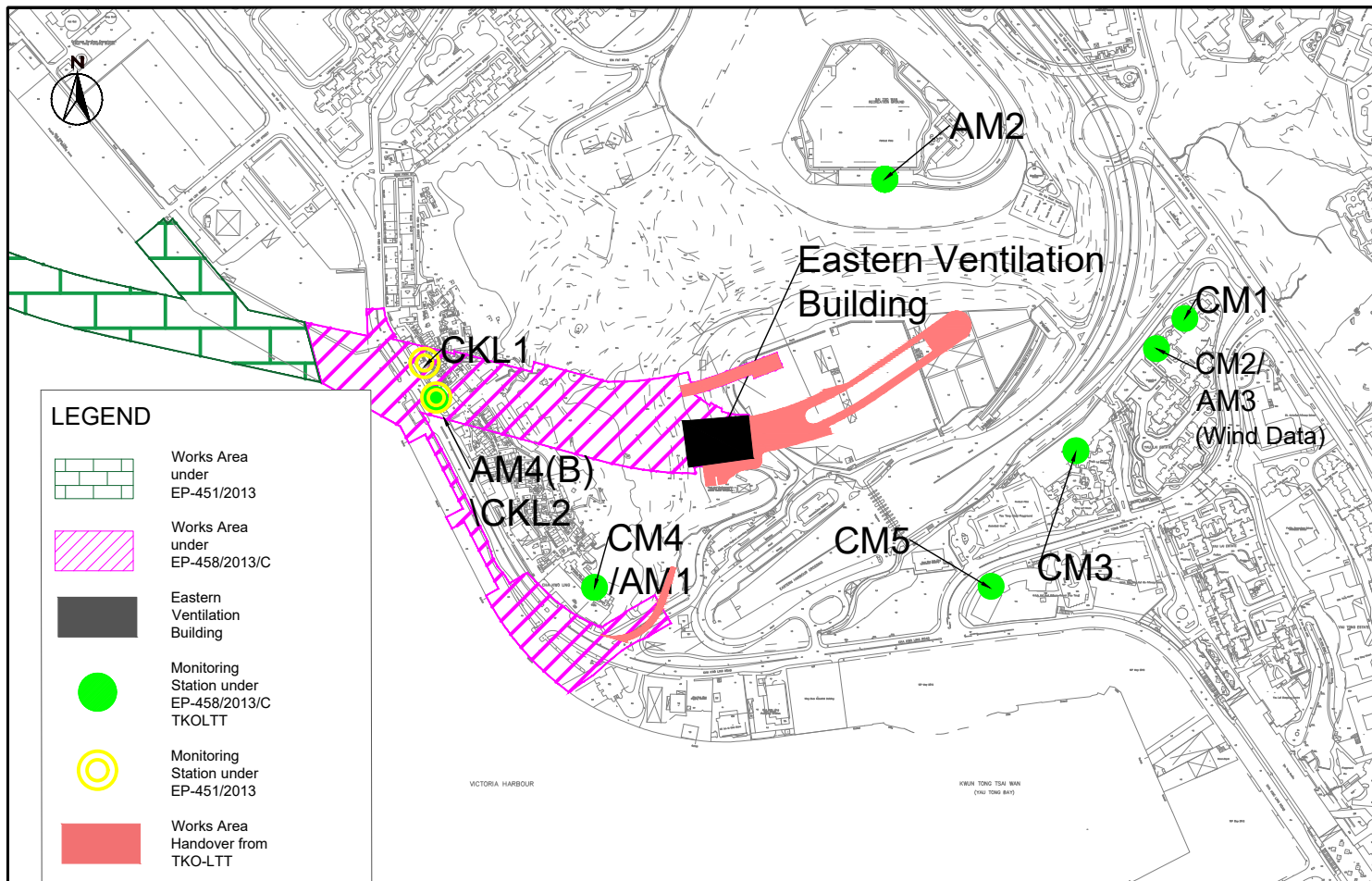
Ventilation
Building



Works Area
Handover from
TKO-LTT



Drawing title			Original Size	A3	Scale	N.T.S	Date	18/JAN/2013
PROJECT ORGANISATION AND LINES OF COMMUNICATION			File name		Drawing No.			
Rev.	Description	Date	© Copyright reserved		FIGURE 1.2		Rev.	
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APPENDIX A MONITORING REQUIREMENTS

Appendix A - Environmental Impact Monitoring Requirements

Table I – Air Quality Monitoring

Type of Monitoring	Parameter	Frequency	Location	Measurement Conditions
Air Quality	1 hour TSP	Three times / 6 days	- AM1 – Tin Hau Temple - AM2 – Sai Tso Wan Recreation Ground - AM3 – Yau Lai Estate Bik Lai House	- AM1 – Ground Level - AM2 – Ground Level - AM3 – Rooftop (41/F)
	24 hour TSP	Once / 6 days	- AM4⁽¹⁾ – Sitting-out Area at Cha Kwo Ling Village - AM4(B)^{(2)(*)(**)} – Flat 103 Cha Kwo Ling Village	- AM4⁽¹⁾ – Ground Level - AM4(B)^{(2)(**)} – Ground Level

Remarks: (1) For 1-hour TSP monitoring; (2) For 24-hour TSP monitoring

(*) Air quality monitoring at designated station AM4(24-hr TSP) was rejected by the premise owners. Therefore, baseline and impact air quality monitoring works were carried out at alternative air quality monitoring stations AM4(A) (24-hr TSP only).

(**) AM4(A) is not available for conducting monitoring due to the demolition of administrative office. EPD had been approved the relocation of monitoring station from AM4(A) to AM4(B).

Table II – Noise Monitoring

Type of Monitoring	Parameter	Frequency	Location	Measurement Conditions
Construction Noise	L _{eq} , L ₉₀ & L ₁₀ at 30 minute intervals during 0700 to 1900 on normal weekdays	Once per week	- CM1 – Nga Lai House, Yau Lai Estate Phase 1, Yau Tong - CM2 – Bik Lai House, Yau Lai Estate Phase 1, Yau Tong - CM3 – Block S, Yau Lai Estate Phase 5, Yau Tong - CM4 – Tin Hau Temple, Cha Kwo Ling - CM5 – CCC Kei Faat Primary School, Yau Tong	- CM1 – Rooftop (41/F) - CM2 – Rooftop (41/F) - CM3 – Rooftop (40/F) - CM4 – Ground Level - CM5 – Rooftop (6/F)

Table III –Landfill Gas Monitoring

Type of Monitoring	Parameter	Frequency	Location
Landfill Gas	Methane, Carbon dioxide and Oxygen	at least daily before starting the work of the day	• Excavation Locations • Manholes and Chambers • Relocation of monitoring wells • Any other Confined Spaces

APPENDIX B
ACTION AND LIMIT LEVELS

APPENDIX B – Action and Limit Levels**Air Quality*****1-hr TSP***

Monitoring Stations	Location	Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
AM1	Tin Hau Temple	275	500
AM2	Sai Tso Wan Recreation Ground	273	
AM3	Yau Lai Estate Bik Lai House	271	
AM4	Sitting-out Area at Cha Kwo Ling Village	278	

24-hr TSP

Monitoring Stations	Location	Action Level, $\mu\text{g}/\text{m}^3$	Limit Level, $\mu\text{g}/\text{m}^3$
AM1	Tin Hau Temple	173	260
AM2	Sai Tso Wan Recreation Ground	192	
AM3	Yau Lai Estate Bik Lai House	167	
AM4(B)	Flat 103 Cha Kwo Ling Village	210	

Noise

Time Period	Action Level	Limit Level
0700-1900 hrs on normal weekdays	When one documented complaint is received from any one of the monitoring stations	75 dB(A) ⁽¹⁾

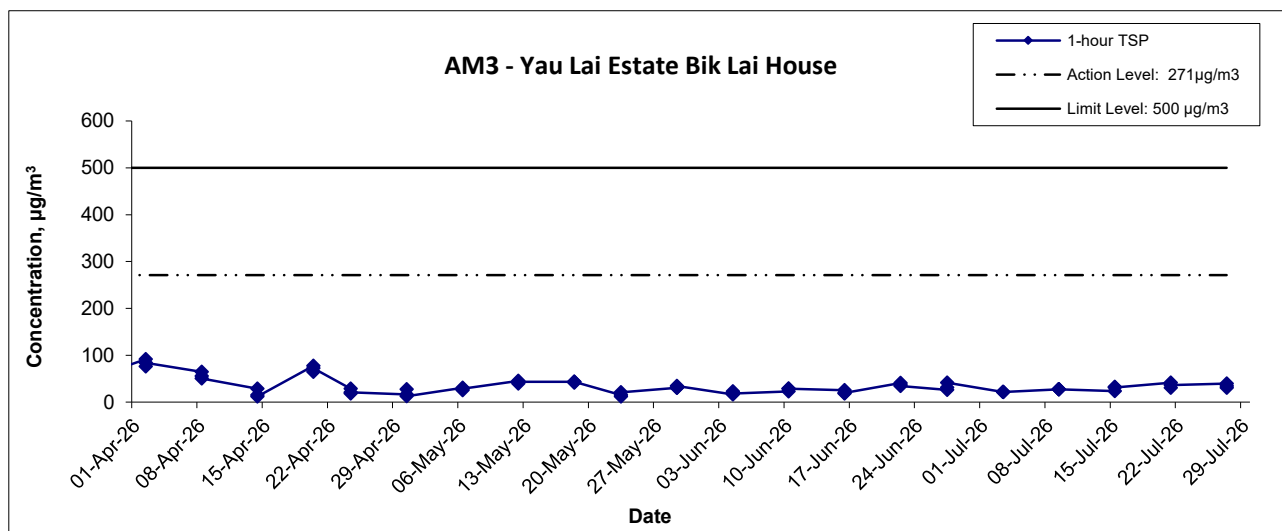
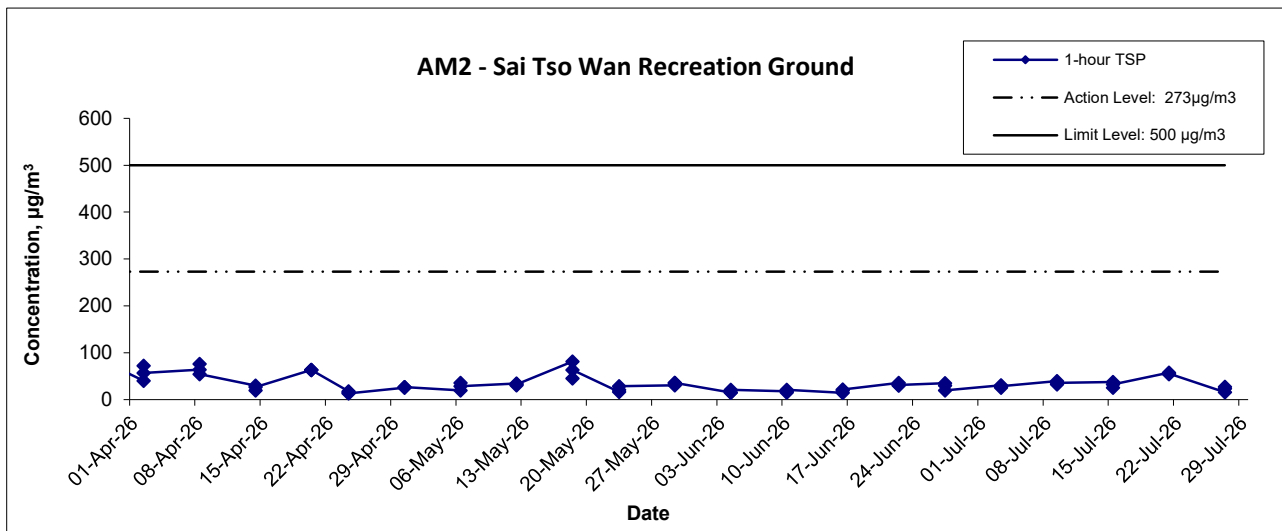
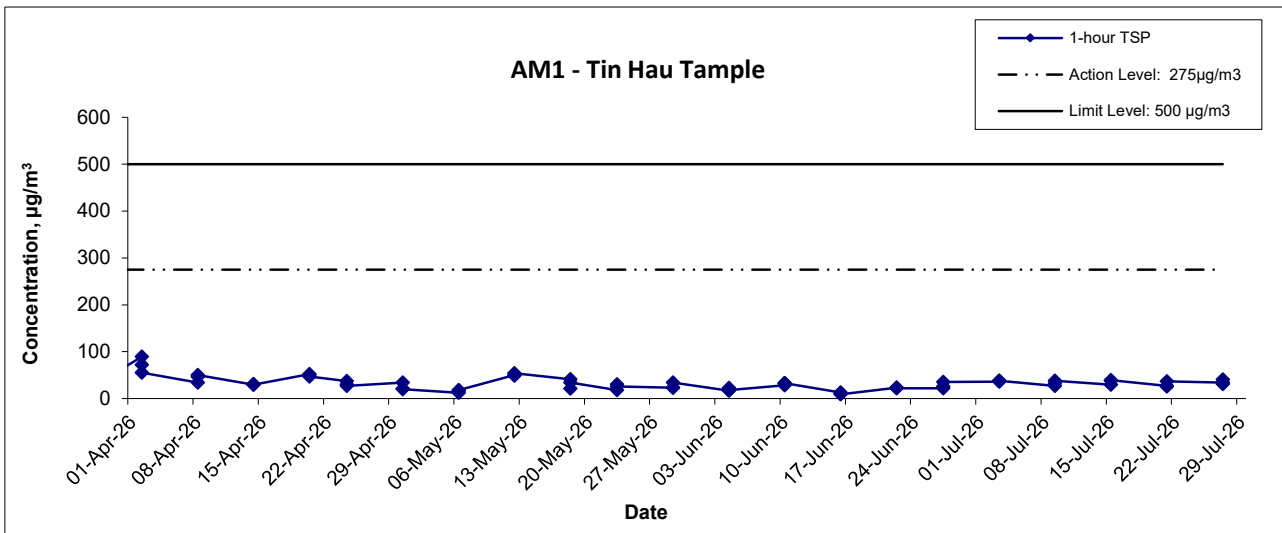
¹ 70 dB(A) for schools and 65 dB(A) for schools during examination period.

Landfill Gas Monitoring

Parameter	Limit Level
Oxygen	<19%
	<18%
Methane	>10% LEL (i.e. > 0.5% by volume)
	>20% LEL (i.e. > 1% by volume)
Carbon Dioxide	>0.5%
	>1.5%

APPENDIX C
GRAPHICAL PRESENTATION OF AIR
QUALITY MONITORING RESULTS

1-hr TSP Concentration Levels



Contract No. ED/2018/04
Trunk Road T2 and Infrastructure Works for Developments at the
Former South Apron

Graphical Presentation of 1-hour TSP Monitoring Results

Scale

N.T.S

Date

Jul-26

Project

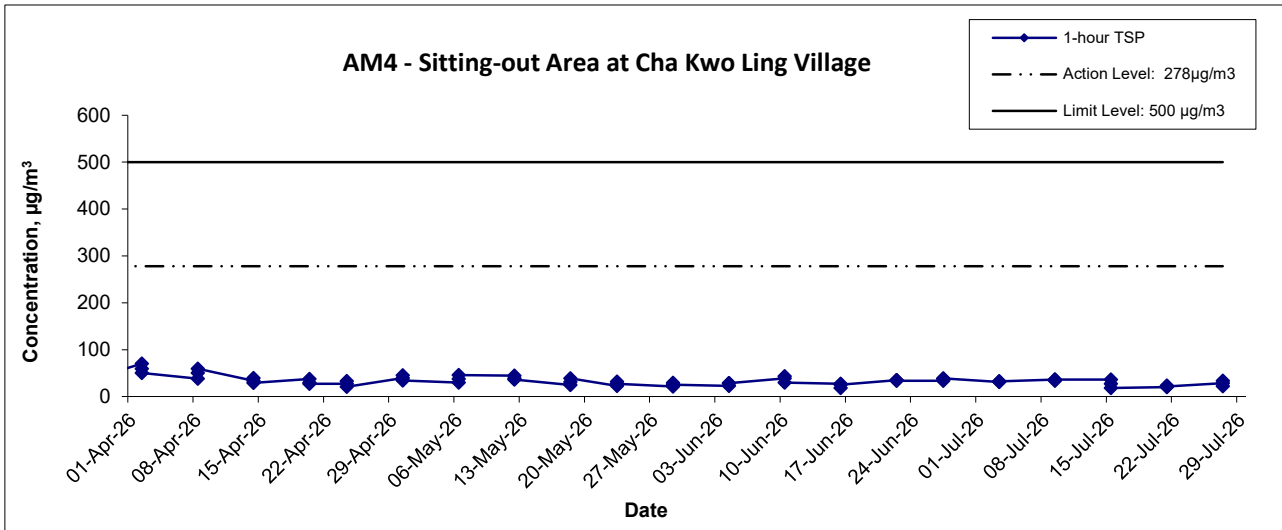
No. MA20003

Appendix

C

CINOTECH

1-hr TSP Concentration Levels

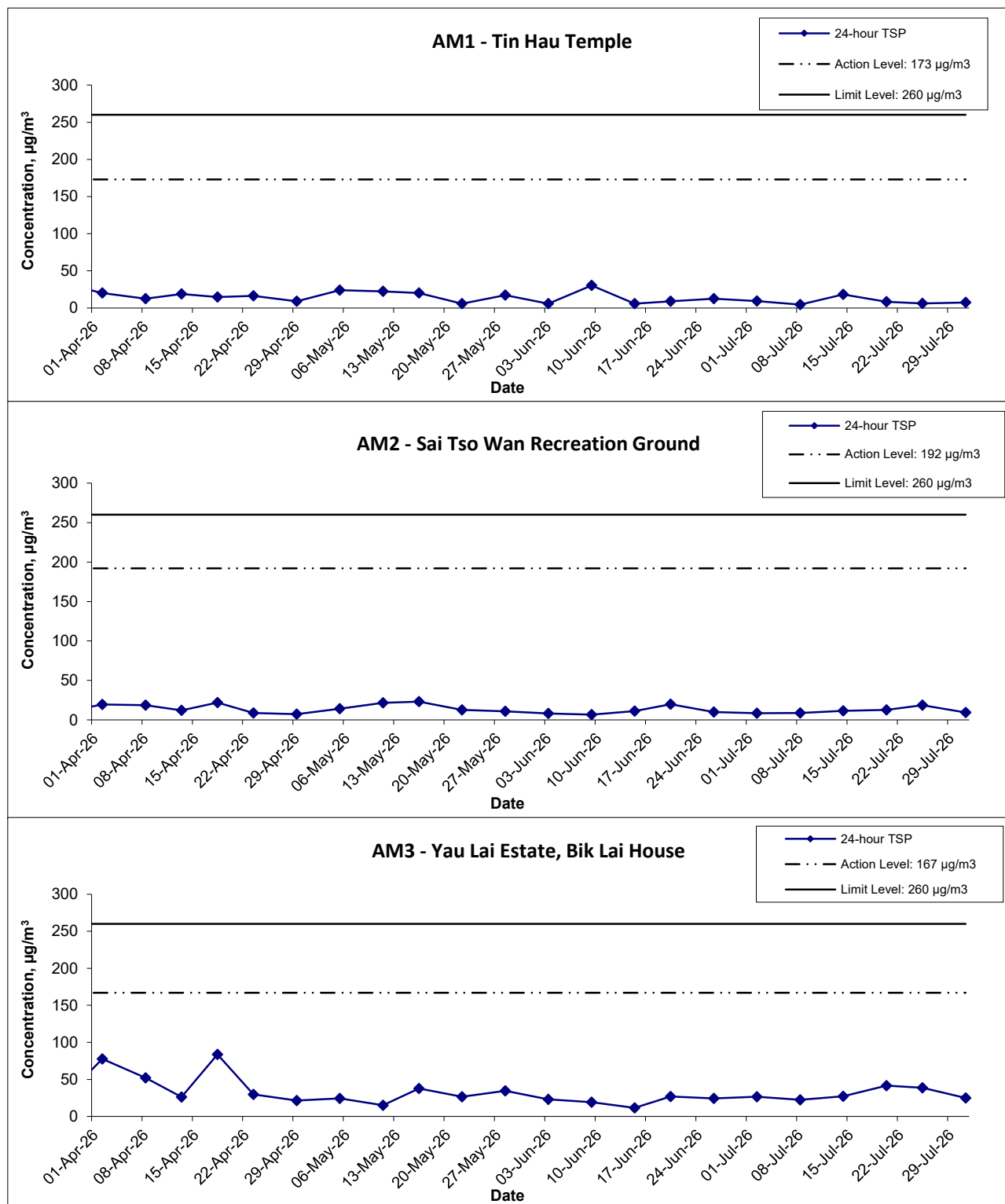


Notes:

1. The major activitie(s) being carried out on site during the reporting period is/are presented in Section 1.10
2. The weather conditions during the reporting month are presented in Appendix C.
3. Other factors which might affect the monitoring results are presented in Section 3.16.

Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Graphical Presentation of 1-hour TSP Monitoring Results	Scale N.T.S	Project No. MA20003	
	Date Jul-26	Appendix C	

24-hr TSP Concentration Levels



Contract No. ED/2018/04
Trunk Road T2 and Infrastructure Works for Developments at the
Former South Apron

Graphical Presentation of 24-hour TSP Monitoring Results

Scale
N.T.S

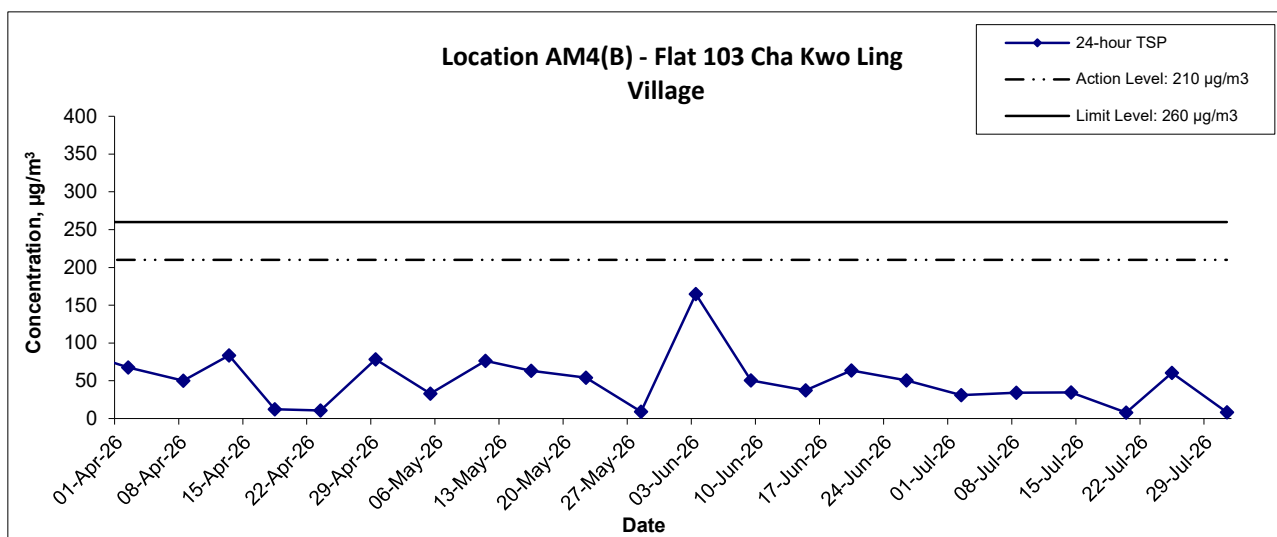
Date
Jul-26

Project
No. MA20003

Appendix
C

CINOTECH

24-hr TSP Concentration Levels



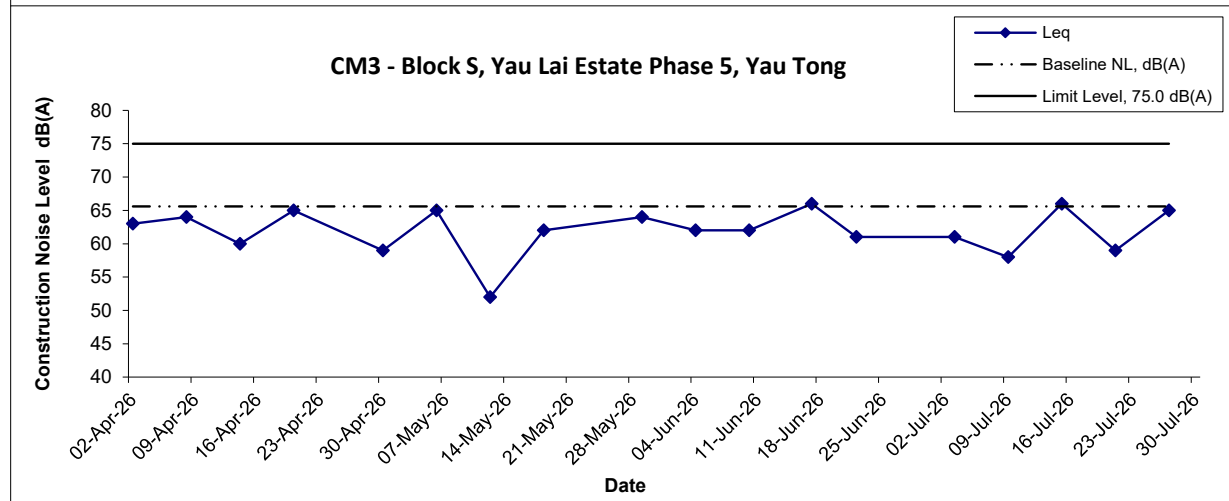
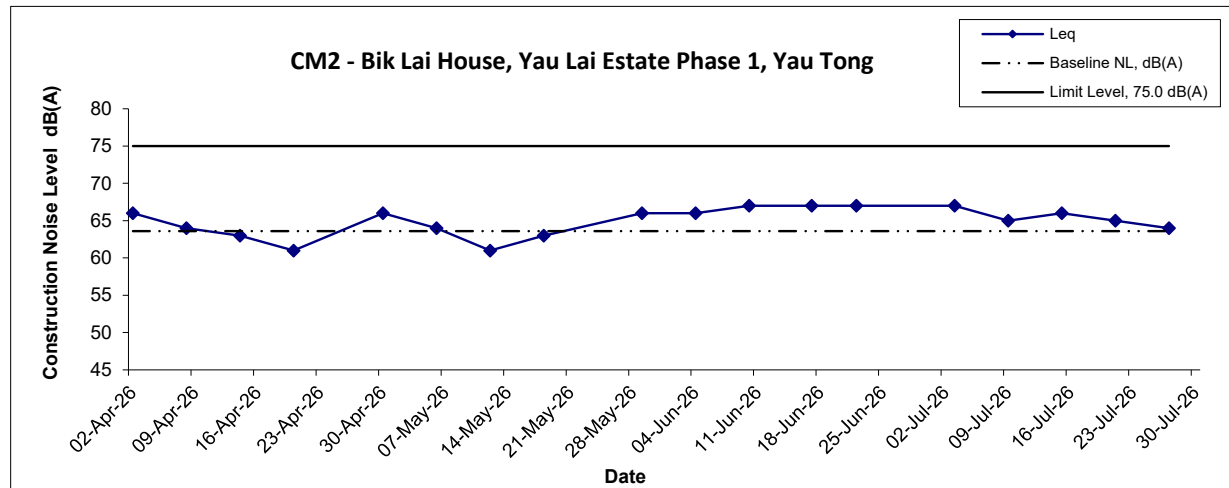
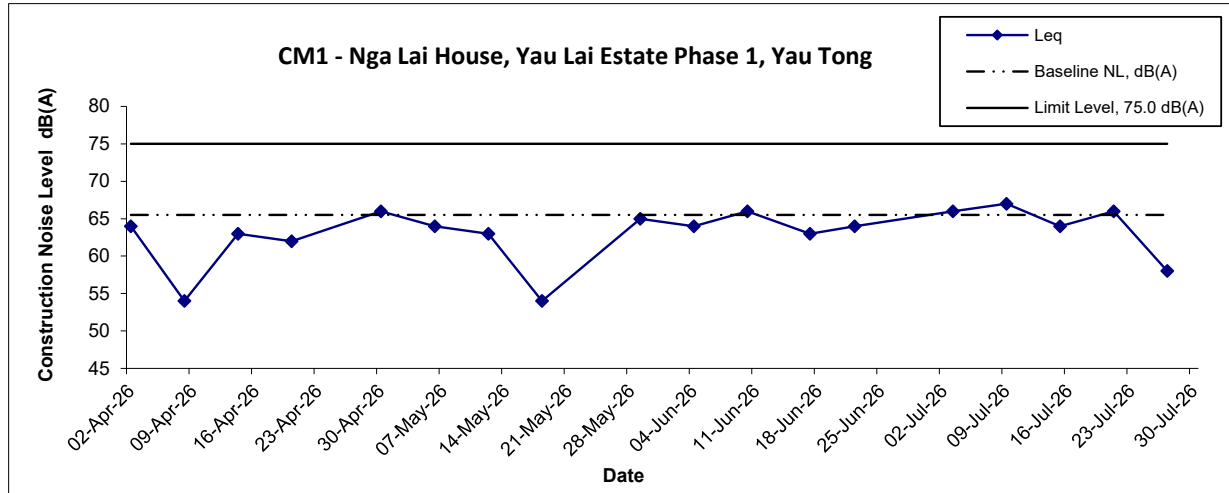
Notes:

- 1) The major activitie(s) being carried out on site during the reporting period is/are presented in Section 1.10
- 2) The weather conditions during the reporting month are presented in Appendix C.
- 3) Other factors which might affect the monitoring results are presented in Section 3.16.

Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Graphical Presentation of 24-hour TSP Monitoring Results	Scale N.T.S	Project No. MA20003	CINOTECH
	Date Jul-26	Appendix C	

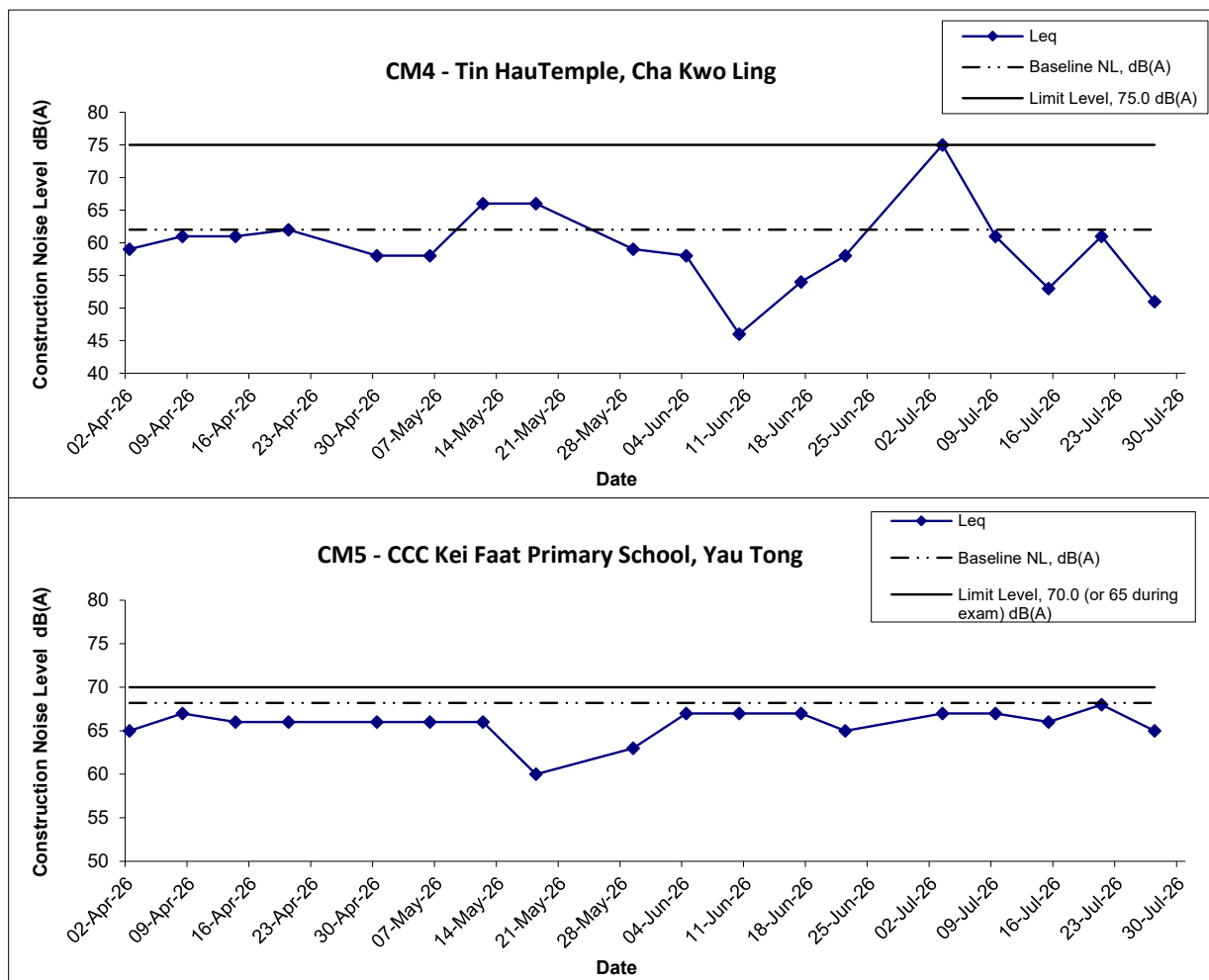
APPENDIX D
GRAPHICAL PRESENTATION OF
NOISE MONITORING RESULTS

Noise Levels



Title Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA20003	
	Date Jul 26	Appendix D	

Noise Levels



Notes:

- 1) The major activitie(s) being carried out on site during the reporting period is/are presented in Section 1.10
- 2) The weather conditions during the reporting month are presented in Appendix C.
- 3) Other factors which might affect the monitoring results are presented in Section 3.13.

Title Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA20003	
	Date Jul 26	Appendix D	

APPENDIX F
SITE AUDIT SUMMARY

Appendix F - Site Audit Summary

May 2026

Items	Date	Status*	Follow up Action
Water Quality			
Ponding water was observed.	30 Apr 2026	✓	Larvicide sand was placed into the ponding water.
Ecology			
--	--	--	--
Noise			
--	--	--	--
Landscape and Visual			
--	--	--	--
Air Quality			
NRMM label should be clearly displayed on the PME.	30 Apr 2026	✓	NRMM label was updated on the PME.
Waste / Chemical Management			
--	--	--	--
Impact on Cultural Heritage			
--	--	--	--
Permits / Licenses			
--	--	--	--

- ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit
- ✗ Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit
- # Follow up action will be reported in next reporting month
- * Non-compliance of mitigation measure
- Non-compliance but improved by the contractor

Appendix F - Site Audit Summary

June 2026

Items	Date	Status*	Follow up Action
Water Quality			
--	--	--	--
Ecology			
--	--	--	--
Noise			
--	--	--	--
Landscape and Visual			
--	--	--	--
Air Quality			
Used and over 20 cement bags should be coved.	11 Jun 2026	✓	Cement bags were covered.
Waste / Chemical Management			
General refuse should be disposed of regularly and properly.	04 Jun 2026	✓	General refuse was removed.
The accumulated construction waste should be removed timely.	25 Jun 2026	✓	The construction waste was removed/
Impact on Cultural Heritage			
--	--	--	--
Permits / Licenses			
--	--	--	--

- ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit
- ✗ Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit
- # Follow up action will be reported in next reporting month
- * Non-compliance of mitigation measure
- Non-compliance but improved by the contractor

Appendix F - Site Audit Summary

July 2026

Items	Date	Status*	Follow up Action
Water Quality			
--	--	--	--
Ecology			
--	--	--	--
Noise			
--	--	--	--
Landscape and Visual			
--	--	--	--
Air Quality			
Over 20 Cement bags should be covered.	09 Jul 2026	✓	Cement bags were removed.
Waste / Chemical Management			
General refuse should be disposed of properly.	09 Jul 2026	✓	General refuse was removed.
Impact on Cultural Heritage			
--	--	--	--
Permits / Licenses			
--	--	--	--

- ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit
- ✗ Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit
- # Follow up action will be reported in next reporting month
- * Non-compliance of mitigation measure
- Non-compliance but improved by the contractor

Environmental Team for Trunk Road T2 – Traffic Control and Surveillance System (TCSS) and Associated Work

Appendix F - Site Audit Summary

May 2026

Items	Date	Status*	Follow up Action
<i>Water Quality</i>			
--	--	--	--
<i>Ecology</i>			
--	--	--	--
<i>Noise</i>			
--	--	--	--
<i>Landscape and Visual</i>			
--	--	--	--
<i>Air Quality</i>			
--	--	--	--
<i>Waste / Chemical Management</i>			
--	--	--	--
<i>Impact on Cultural Heritage</i>			
--	--	--	--
<i>Permits / Licenses</i>			
--	--	--	--

- ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit
- ✗ Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit
- # Follow up action will be reported in next reporting month
- * Non-compliance of mitigation measure
- Non-compliance but improved by the contractor

Environmental Team for Trunk Road T2 – Traffic Control and Surveillance System (TCSS) and Associated Work

Appendix F - Site Audit Summary

June 2026

Items	Date	Status*	Follow up Action
<i>Water Quality</i>			
--	--	--	--
<i>Ecology</i>			
--	--	--	--
<i>Noise</i>			
--	--	--	--
<i>Landscape and Visual</i>			
--	--	--	--
<i>Air Quality</i>			
--	--	--	--
<i>Waste / Chemical Management</i>			
--	--	--	--
<i>Impact on Cultural Heritage</i>			
--	--	--	--
<i>Permits / Licenses</i>			
--	--	--	--

- ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit
- ✗ Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit
- # Follow up action will be reported in next reporting month
- * Non-compliance of mitigation measure
- Non-compliance but improved by the contractor

Environmental Team for Trunk Road T2 – Traffic Control and Surveillance System (TCSS) and Associated Work

Appendix F - Site Audit Summary

July 2026

Items	Date	Status*	Follow up Action
<i>Water Quality</i>			
--	--	--	--
<i>Ecology</i>			
--	--	--	--
<i>Noise</i>			
--	--	--	--
<i>Landscape and Visual</i>			
--	--	--	--
<i>Air Quality</i>			
--	--	--	--
<i>Waste / Chemical Management</i>			
--	--	--	--
<i>Impact on Cultural Heritage</i>			
--	--	--	--
<i>Permits / Licenses</i>			
--	--	--	--

- ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit
- ✗ Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit
- # Follow up action will be reported in next reporting month
- * Non-compliance of mitigation measure
- Non-compliance but improved by the contractor

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

App G - ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

Table I - Recommended Mitigation Measures stipulated in EM&A Manual for the Project

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
Air Quality						
S3.8.1	Watering eight times a day on active works areas, exposed areas and paved haul roads	To minimize the dust impact	Contractor	All Active Work Sites	Construction phase	APCO
S3.8.1	Enclosing the unloading process at barging point by a 3-sided screen with top tipping hall / mixing area in Work Area A, provision of water spraying and flexible dust curtains	To minimize the dust impact	Contractor	Barging Points	Construction phase	APCO
S3.8.7	Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides. • Use of frequent watering for particularly dusty construction areas and areas close to ASRs. • Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines. • Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs. • Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations. • Establishment and use of vehicle wheel and body washing facilities at the exit points of the site. • Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading area of barging point, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods. • Provision of not less than 2.4m high hoarding from ground level along site boundary where adjoins a road, streets or other accessible to the public except for a site entrance or exit. • Imposition of speed controls for vehicles on site haul roads. • Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs • Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides. • Instigation of an environmental monitoring and auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise.	To minimize the dust impact	Contractor	All Construction Work Sites	Construction phase	APCO and Air Pollution Control (Construction Dust) Regulation
/	Emission from Vehicles and Plants • All vehicles shall be shut down in intermittent use. • Only well-maintained plant should be operated on-site and plant should be serviced regularly to avoid emission of black smoke. • All diesel fuelled construction plant within the works areas shall be powered by ultra low sulphur diesel fuel (ULSD)	Reduce air pollution emission from construction vehicles and plants	Contractor	All construction sites	Construction stage	APCO

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
	Valid No-road Mobile Machinery (NRRM) labels should be provided to regulated machines	Reduce air pollution emission from construction vehicles and plants	--			APCO
Noise Mitigation Plan	Use of Temporary Noise Barriers (i.e Acoustic box, SilentUp and etc.) or Full Enclosure for PME according to the approved Noise Mitigation Plan	To minimize construction noise impact arising from the Project at the affected NSRs	Contractor	Work Sites	Construction phase	EIAO-TM, NCO
S4.9	Good Site Practice - Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program - Silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program. - Mobile plant, if any, should be sited as far away from NSRs as possible. - Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum. - Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs. - Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.	To minimize construction noise impact arising from the Project at the affected NSRs	Project Proponent	Work sites	Construction Period	EIAO-TM, NCO
S4.9	Scheduling of Construction Works during School Examination Period	To minimize construction noise impact arising from the Project at the affected NSRs	Contractor	Work site near school	Construction phase	EIAO-TM, NCO
Water Quality Impact (Construction Phase)						
S5.6.24	The dry density of filling material for the TKO-LT Tunnel reclamation should be 1,900kg/m ³ , with fine content of 25% or less	Control potential impacts from filling activities	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO
S5.8.1	Non-dredged method by constructing steel cellular caisson structure with stone column shall be adopted for construction of seawall foundation. During the stone column installation (also including the installation of steel cellular caisson), silt curtain shall be employed around the active stone column installation points.	Control potential impacts from filling activities	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO
S5.8.2	Formation of seawall enclosing the reclamation for Road P2 (notwithstanding an opening of about 50m for marine access) shall be completed prior to the filling activities. The seawall opening of about 50m wide for marine access shall be selected at a location as indicatively shown in Appendix 5.10. No more than 3 filling barge trips per day shall be made with a maximum daily rate of 3,000m ³ (i.e. 1,000 m ³ per trip) for the filling operation at the reclamation area for Road P2. All filling works shall be carried out behind the seawall with the use of single silt curtain at the marine access.	Control potential impacts from filling activities	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO
Silt Curtain Deployment Plan	- Silt curtains should be deployed properly to surround the works area. - Maintenance of silt curtain should be provided. - Sufficient stock of silt curtain should be provided on site.	Control potential impacts from marine works	Contractor	NE/2015/01	Construction stage	EIAO

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S5.8.3	Other good site practices should be undertaken during filling operations include: - all marine works should adopt the environmental friendly construction methods as far as practically possible including the use of cofferdams to cover the construction area to separate the construction works from the sea; - floating single silt curtain shall be employed for all marine works; - all vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; - all hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; - excess material shall be cleaned from the decks and exposed fittings of barges before the vessel is moved; - adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action; - loading of barges and hoppers should be controlled to prevent splashing of filling material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation; - any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes; - construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site or dumping grounds; and - before commencement of the reclamation works, the holder of Environmental Permit has to submit plans showing the phased construction of the reclamation, design and operation of the silt curtain.	Control potential impacts from filling activities and marine-based construction	CEDD's Contractors	Work site	Construction Phase	ElAO-TM, WPCO, Waste Disposal Ordinance (WDO)
S5.8.4	Site specific mitigation plan for reclamation areas using public fill materials should be submitted for EPD agreement before commencement of construction phase with due consideration of good site practices.	Control potential impacts from filling activities and marine based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ElAOTM, WPCO
ERR S5.6.1	To minimize water quality impact arising from the dredging and filling works for Reclamation for Road P2, the following mitigation measures shall be implemented: - Before carrying out any dredging and underwater filling works, a temporary barrier shall first be constructed to a height above the high water mark to completely enclose the works site (without any opening at the barrier wall) - The temporary barrier fully enclosing the dredging and underwater filling works site shall not be removed before completion of all dredging and underwater filling works. - Water quality sampling and testing shall be carried out to demonstrate that the water quality inside the enclosed barrier is comparable to the ambient or baseline levels prior to the removal of the fully enclosed barrier. - Silt curtains shall be deployed for the installation and removal of the temporary barrier and at the double water gates marine access opening during its operation.	Control potential impacts from dredging and filling works for Reclamation for Road P2	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ElAOTM, WPCO

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S5.8.5	It is important that appropriate measures are implemented to control runoff and drainage and prevent high loading of SS from entering the marine environment. Proper site management is essential to minimise surface water runoff, soil erosion and sewage effluents.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.6	Any practical options for the diversion and realignment of drainage should comply with both engineering and environmental requirements in order to ensure adequate hydraulic capacity of all drains.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Design Stage and Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO, TM-DSS

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S5.8.7	Construction site runoff and drainage should be prevented or minimised in accordance with the guidelines stipulated in the EPD's Practice Note for Professional Persons, Construction Site Drainage (ProPECC PN 1/94). Good housekeeping and stormwater best management practices, as detailed in below, should be implemented to ensure that all construction runoff complies with WPCO standards and no unacceptable impact on the WSRs arises due to construction of the TKO-LT Tunnel. All discharges from the construction site should be controlled to comply with the standards for effluents discharged into the corresponding WCZ under the TM-DSS.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO, TM-DSS
S5.8.8	Exposed soil areas should be minimised to reduce the potential for increased siltation, contamination of runoff, and erosion. Construction runoff related impacts associated with the above ground construction activities can be readily controlled through the use of appropriate mitigation measures which include:	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.8	• use of sediment traps; and					
S5.8.8	• adequate maintenance of drainage systems to prevent flooding and overflow.					
S5.8.9	Construction site should be provided with adequately designed perimeter channel and pretreatment facilities and proper maintenance. The boundaries of critical areas of earthworks should be marked and surrounded by dykes or embankments for flood protection. Temporary ditches should be provided to facilitate runoff discharge into the appropriate watercourses, via a silt retention pond. Permanent drainage channels should incorporate sediment basins or traps and baffles to enhance deposition rates. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.10	Ideally, construction works should be programmed to minimise surface excavation works during the rainy season (April to September). All exposed earth areas should be completed as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.11	Sedimentation tanks of sufficient capacity, constructed from pre-formed individual cells of approximately 6 to 8m ³ capacity, are recommended as a general mitigation measure which can be used for settling surface runoff prior to disposal. The system capacity is flexible and able to handle multiple inputs from a variety of sources and particularly suited to applications where the influent is pumped.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.12	Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.13	Measures should be taken to minimize the ingress of rainwater into trenches. If excavation of trenches in wet seasons is necessary, they should be dug and backfilled in short sections. Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.14	Open stockpiles of construction materials (for examples, aggregates, sand and fill material) of more than 50m ³ should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO

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S5.8.15	Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers. Discharge of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.16	Precautions to be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecast, and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO

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S5.8.17	Oil interceptors should be provided in the drainage system and regularly cleaned to prevent the release of oils and grease into the storm water drainage system after accidental spillages. The interceptor should have a bypass to prevent flushing during periods of heavy rain.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.18	All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and located wheel washing bay should be provided at every site exit, and washwater should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheelwash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.19	Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.20	It is recommended that on-site drainage system should be installed prior to the commencement of other construction activities. Sediment traps should be installed in order to minimise the sediment loading of the effluent prior to discharge into foul sewers. There shall be no direct discharge of effluent from the site into the sea.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.21	All temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge should be adequately designed for the controlled release of storm flows. All sediment control measures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rain storms. The temporarily diverted drainage should be reinstated to its original condition when the construction work has finished or the temporary diversion is no longer required.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.22	All fuel tanks and storage areas should be provided with locks and be located on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank, to prevent spilled fuel oils from reaching the coastal waters.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.23	Minimum distances of 100m shall be maintained between the existing or planned stormwater discharges and the existing or planned seawater intakes during construction and operational phases	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ELAO-TM, WPCO, TMDSS
S5.8.24	Under normal circumstances, groundwater pumped out of wells, etc. for the lowering of ground water level in basement or foundation construction, and groundwater seepage pumped out of tunnels or caverns under construction should be discharged into storm drains after the removal of silt in silt removal facilities.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.25 - S5.8.27 & Table 5.18	Grouting would be adopted as measure to reduce the groundwater inflow into the tunnel. During the tunnel excavation, the inflow rate of groundwater into the tunnel will be measured during the excavation. The groundwater levels above the tunnel will also be monitored by piezometers. If the inflow rate exceeds the pre-determined groundwater control criteria or the groundwater drawdown exceeds the required limit, pre-excavation grouting will be required to reduce the groundwater inflow. No significant change of groundwater levels would therefore be expected. Any chemicals/foaming agents which would be entrained to the groundwater should be biodegradable and non-toxic throughout the tunnel construction. Potential groundwater quality impact would be minimal as the used material is non-toxic and biodegradable. No adverse groundwater quality would therefore be expected. Prescriptive measures in the form of an Action Plan with pre-emptive and re-active to preserve the groundwater levels at all times during the tunnel construction are set out in Table 5.18.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO, Buildings Ordinance
S5.8.28	Water used in ground boring and drilling for site investigation or rock / soil anchoring should as far as practicable be recirculated after sedimentation. When there is a need for final disposal, the wastewater should be discharged into storm drains via silt removal facilities.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Design Stage and Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO

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S5.8.29 - S5.8.31	Wastewater generated from the washing down of mixing trucks and drum mixers and similar equipment should whenever practicable be recycled. The discharge of wastewater should be kept to a minimum. To prevent pollution from wastewater overflow, the pump sump of any water recycling system should be provided with an online standby pump of adequate capacity and with automatic alternating devices. Under normal circumstances, surplus wastewater may be discharged into foul sewers after treatment in silt removal and pH adjustment facilities (to within the pH range of 6 to 10). Disposal of wastewater into storm drains will require more elaborate treatment.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.32	All vehicles and plant should be cleaned before they leave a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. A wheel washing bay should be provided at every site exit if practicable and wash-water should have sand and silt settled out or removed before discharging into storm drains. The section of construction road between the wheel washing bay and the public road should be paved with backfill to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.33	Bentonite slurries used in diaphragm wall and borepile construction should be reconditioned and reused wherever practicable. If the disposal of a certain residual quantity cannot be avoided, the used slurry may be disposed of at the marine spoil grounds subject to obtaining a marine dumping licence from EPD on a case-by-case basis.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.34	If the used bentonite slurry is intended to be disposed of through the public drainage system, it should be treated to the respective effluent standards applicable to foul sewer, storm drains or the receiving waters as set out in the WPCO Technical Memorandum on Effluent Standards.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.35	Water used in water testing to check leakage of structures and pipes should be reused for other purposes as far as practicable. Surplus unpolluted water could be discharged into storm drains.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.36	Sterilization is commonly accomplished by chlorination. Specific advice from EPD should be sought during the design stage of the works with regard to the disposal of the sterilizing water. The sterilizing water should be reused wherever practicable.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Design Stage and Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.37	Before commencing any demolition works, all sewer and drainage connections should be sealed to prevent building debris, soil, sand etc. from entering public sewers/drains.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.38	Wastewater generated from building construction activities including concreting, plastering, internal decoration, cleaning of works and similar activities should not be discharged into the stormwater drainage system. If the wastewater is to be discharged into foul sewers, it should undergo the removal of settleable solids in a silt removal facility, and pH adjustment as necessary.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO
S5.8.39	Acidic wastewater generated from acid cleaning, etching, pickling and similar activities should be neutralized to within the pH range of 6 to 10 before discharging into foul sewers. If there is no public foul sewer in the vicinity, the neutralized wastewater should be tinkered off site for disposal into foul sewers or treated to a standard acceptable to storm drains and the receiving waters.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, ELAOTM, WPCO

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S5.8.40	Wastewater collected from canteen kitchens, including that from basins, sinks and floor drains, should be discharged into foul sewer via grease traps capable of providing at least 20 minutes retention during peak flow.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.41	Drainage serving an open oil filling point should be connected to storm drains via a petrol interceptor with peak storm bypass.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.42	Vehicle and plant servicing areas, vehicle wash bays and lubrication bays should as far as possible be located within roofed areas. The drainage in these covered areas should be connected to foul sewers via a petrol interceptor. Oil leakage or spillage should be contained and cleaned up immediately. Waste oil should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.43	Construction work force sewage discharges on site are expected to be connected to the existing trunk sewer or sewage treatment facilities. The construction sewage may need to be handled by portable chemical toilets prior to the commission of the on-site sewer system. Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the large number of construction workers over the construction site. The Contractor shall also be responsible for waste disposal and maintenance practices.	Control potential impacts from construction site runoff and land-based construction	CEDD's Contractors	Work site	Construction Phase	ProPECC PN 1/94, EIAOTM, WPCO
S5.8.44	Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	Control potential impacts from accidental spillage of chemicals	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO, WDO
S5.8.45	Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.	Control potential impacts from accidental spillage of chemicals	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO
S5.8.46	Disposal of chemical wastes should be carried out in compliance with the Waste Disposal Ordinance. The "Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes" published under the Waste Disposal Ordinance details the requirements to deal with chemical wastes. General requirements are given as follows: - suitable containers should be used to hold the chemical wastes to avoid leakage or spillage during storage, handling and transport; - chemical waste containers should be suitably labelled, to notify and warn the personnel who are handling the wastes, to avoid accidents; and - storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.	Control potential impacts from accidental spillage of chemicals	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO, WDO
S5.8.47	Collection and removal of floating refuse should be performed at regular intervals on a daily basis. The contractor should be responsible for keeping the water within the site boundary and the neighbouring water free from rubbish.	Control potential impacts from floating refuse and debris	CEDD's Contractors	Work site	Construction Phase	EIAO-TM, WPCO,
Ecological Impact						
	Measures to Minimize Disturbance Use of Quiet Mechanical Plant during the construction phase should be adopted wherever possible.					

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S6.8.4	- Hoarding or fencing should be erected around the works area boundaries during the construction phase. The hoarding would screen adjacent habitats from construction phase activities, reduce noise disturbance to these habitats and also to restrict access to habitats adjacent to works areas by site workers; - Regular spraying of haul roads to minimize impacts of dust deposition on adjacent vegetation and habitats during the construction activities	Minimize noise, human and traffic disturbance to terrestrial habitat and wildlife; and reduce dust generation	Design Team / Contractor	Land-based works are	Construction Phase	N/A

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S6.8.5	Standard Good Site Practice - Placement of equipment or stockpile in designated works areas and access routes selected on existing disturbed land to minimise disturbance to natural habitats. - Construction activities should be restricted to works areas that should be clearly demarcated. The works areas should be reinstated after completion of the works. - Waste skips should be provided to collect general refuse and construction wastes. The wastes should be properly disposed off-site in a timely manner. - General drainage arrangements should include sediment and oil traps to collect and control construction site run-off. - Open burning on works sites is illegal, and should be strictly prohibited. - Measures should also be put into place so that litter, fuel and solvents do not enter the nearby watercourses.	Reduce disturbance to surrounding habitats	Contractor	Land-based works are	Construction Phase	N/A
S6.8.6	Measure to Minimize Groundwater Inflow - The drained tunnel construction method with groundwater inflow control measures would generally be adopted. - During the tunnel excavation, pre-excavation grouting could be adopted to reduce the groundwater inflow and ensure that the tunnel would meet the long term water tightness requirements.	Minimize groundwater inflow	Contractor	Tunnel	Construction Phase	N/A
S6.8.8	Measure to Minimize Impact on Corals <u>Coral translocation</u> - It is recommended to translocate the affected coral colonies, except the locally common <i>Oulastrea crispata</i>, within the reclamation area and bridge footprint to the other suitable locations as far as practicable. - The coral translocation should be conducted during the winter months (November-March) in order to avoid disturbance during their spawning period (i.e. July to October). - A detailed coral translocation plan with a description on the methodology for pretranslocation coral survey, translocation methodology, identification/proposal of coral recipient site, monitoring methodology for posttranslocation should be prepared during the detailed design stage. - The coral translocation plan should be subject to approval by relevant authorities (e.g. EPD and AFCD) before commencement of the coral translocation. All the translocation exercises should be conducted by experienced marine ecologist(s) who is/are approved by AFCD prior to commencement of coral translocation. <u>Post translocation Monitoring</u> - A coral monitoring programme is recommended to assess any adverse and unacceptable impacts to the translocated coral communities - Information gathered during each posttranslocation monitoring survey should include observations on the presence, survival, health condition and growth of the translocated coral colonies. These parameters should then be compared with the baseline results collected from the pre-translocation survey.	Minimize loss of coral	Design team, contractor, project operator	Within reclamation areas and pier footprint	Prior construction	N/A

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S6.8.9 S6.8.10	Measure to Control Water Quality Impact - Deployment of silt curtains around the active stone column installation points, opening of newly installed seawall and marine works area. - Diverting of the site runoff to silt trap facilities before discharging into storm drain; - Proper waste and dumping management; and - Standard good-site practice for land-based construction.	Control water quality impact, especially on suspended solid level; minimize the contamination of wastewater discharge, accidental chemical spillage and construction site runoff to the receiving water bodies	Design Team, contractor	Marine and landbased works area	Construction phase	WQO
S6.8.11	Compensation for Vegetation Loss Felling of mature trees should be compensated by planting of standard or heavy standard trees within or in vicinity of the affected area as far as practicable. Such compensatory planting for trees should be provided with at least a 1:1 ratio. In addition, vegetation at the temporarily affected area should be reinstated with species similar to the existing condition.	Compensate for the vegetation loss	Design Team, contractor	Land-based works area	Construction phase	N/A
Fisheries Impact						
S7.7.3	Measure to Control Water Quality Impact Deployment of silt curtains around the active stone column installation points, opening of newly installed seawall and marine works area.	Control water quality impact, especially on suspended solid level	Design Team / Contractor	Marine work area	Construction phase	WQO
Waste Management (Construction Phase)						
S8.6.3	Good Site Practices and Waste Reduction Measures - Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site; - Training of site personnel in site cleanliness, proper waste management and chemical handling procedures; - Provision of sufficient waste disposal points and regular collection of waste; - Appropriate measures to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers; and - Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors.	To reduce waste management impacts	Contractor	All work sites	Construction Phase	Waste Disposal Ordinance (Cap. 354) Land (Miscellaneous Provisions) Ordinance (Cap. 28)
S8.6.4	Good Site Practices and Waste Reduction Measures (con't) - Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal; - Encourage collection of aluminium cans by providing separate labelled bins to enable this waste to be segregated from other general refuse generated by the workforce; - Proper storage and site practices to minimize the potential for damage or contamination of construction materials; and - Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste.	To achieve waste reduction	Contractor	All work sites	Construction Phase	Waste Disposal Ordinance (Cap. 354) Land (Miscellaneous Provisions) Ordinance (Cap. 28)
	Good Site Practices and Waste Reduction Measures (con't)					

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S8.6.5	The Contractor shall prepare and implement a WMP as part of the EMP in accordance with ETWB TCW No. 19/2005 which describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from the construction activities. Such a management plan should incorporate site specific factors, such as the designation of areas for segregation and temporary storage of reusable and recyclable materials. The EMP should be submitted to the Engineer for approval. The Contractor should implement the waste management practices in the EMP throughout the construction stage of the Project. The EMP should be reviewed regularly and updated by the Contractor.	To achieve waste reduction	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005

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S8.6.6	Good Site Practices and Waste Reduction Measures (con't) C&D materials would be reused in the project and other local concurrent projects as far as possible.	To achieve waste reduction	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005
S8.6.7	Storage, Collection and Transportation of Waste Should any temporary storage or stockpiling of waste is required, recommendations to minimize the impacts include: - Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimizing the potential of pollution; - Maintain and clean storage areas routinely; - Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; and - Different locations should be designated to stockpile each material to enhance reuse.	To minimize potential adverse environmental impacts arising from waste storage	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005
S8.6.8/ Waste Management Plan	Storage, Collection and Transportation of Waste (con't) - Remove waste in timely manner; - Waste collectors should only collect wastes prescribed by their permits; - Impacts during transportation, such as dust and odour, should be mitigated by the use of covered trucks or in enclosed containers; - Obtain relevant waste disposal permits from the appropriate authorities, in accordance with the Waste Disposal Ordinance (Cap. 354), Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 345) and the Land (Miscellaneous Provisions) Ordinance (Cap. 28); - Waste should be disposed of at licensed waste disposal facilities/ alternative disposal ground approved by RE and DEP; and - Maintain records of quantities of waste generated, recycled and disposed.	To minimize potential adverse environmental impacts arising from waste collection and disposal	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005
S8.6.9/ Waste Management Plan	Storage, Collection and Transportation of Waste (con't) Implementation of trip ticket system with reference to DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction & Demolition Materials, to monitor disposal of waste and to control fly-tipping at PFRFs or landfills. A recording system for the amount of waste generated, recycled and disposed (including disposal sites) should be proposed.	To minimize potential adverse environmental impacts arising from waste collection and disposal	Contractor	All work sites	Construction Phase	DEVB TCW No. 6/2010
S8.6.11 - S8.6.13/ Waste Management Plan	Sorting of C&D Materials - Sorting to be performed to recover the inert materials, reusable and recyclable materials before disposal off-site. - Specific areas shall be provided by the Contractors for sorting and to provide temporary storage areas for the sorted materials. - The C&D materials should at least be segregated into inert and non-inert materials, in which the inert portion could be reused and recycled in the reclamation as far as practicable before delivery to PFRFs. While opportunities for reusing the non-inert portion should be investigated before disposal of at designated landfills	To minimize potential adverse environmental	Contractor	All work sites	Construction Phase	DEVB TCW No. 6/2010 ETWB TCW No. 33/2002 ETWB TCW No. 19/2005
	Sediments (con't) Requirements of the Air Pollution Control (Construction Dust) Regulation, where relevant, shall be adhered to during boring, excavation, transportation and disposal of sediments or cement stabilization of sediment.					

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S8.6.17 – S8.6.20	- A treatment area should be confined for carrying out the cement stabilization mixing and temporary stockpile. The area should be designed to prevent leachate from entering the ground. Leachate, if any, should be collected and discharged according to the Water Pollution Control Ordinance (WPCO). - In order to minimise the potential odour / dust emissions during boring, excavation and transportation of the sediment, the excavated sediments should be kept wet during excavation/boring and should be properly covered when placed on barges/trucks. Loading of the excavated sediment to the barge should be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water. - In order to minimise the exposure to contaminated materials, workers should, when necessary, wear appropriate personal protective equipments (PPE) when handling contaminated sediments. Adequate washing and cleaning facilities should also be provided on site.	To determine the best handling and treatment of sediment	Contractor	All works areas with sediments concern	Construction Phase	ETWB TCW No. 19/2005

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S8.6.24 - S8.6.28/ Waste Management Plan	Sediments (con't) - The excavated sediments is expected to be loaded onto the barge and transported to the designated disposal sites allocated by the MFC. The excavated sediment would be disposed of according to its determined disposal options and ETWB TC(W) No. 34/2002. - Stockpiling of contaminated sediments should be avoided as far as possible. If temporary stockpiling of contaminated sediments is necessary, the excavated sediment should be covered by tarpaulin and the area should be placed within earth bunds or sand bags to prevent leachate from entering the ground, nearby drains and surrounding water bodies. The stockpiling areas should be completely paved or covered by linings in order to avoid contamination to underlying soil or groundwater. Separate and clearly defined areas should be provided for stockpiling of contaminated and uncontaminated materials. Leachate, if any, should be collected and discharged according to the Water Pollution Control Ordinance (WPCO). - In order to minimise the potential odour / dust emissions during boring and transportation of the sediment, the excavated sediments should be kept wet during excavation/boring and should be properly covered when placed on barges. Loading of the excavated sediment to the barge should be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water. - The barge transporting the sediments to the designated disposal sites should be equipped with tight fitting seals to prevent leakage and should not be filled to a level that would cause overflow of materials or laden water during loading or transportation. In addition, monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by the DEP. - In order to minimise the exposure to contaminated materials, workers should, when necessary, wear appropriate personal protective equipments (PPE) when handling contaminated sediments. Adequate washing and cleaning facilities should also be provided on site. - Another possible arrangement for Type 3 disposal is by geosynthetic containment. A geosynthetic containment method is a method whereby the sediments are sealed in geosynthetic containers and, at the disposal site, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping, thereby meeting the requirements for fully confined mud disposal.	To ensure handling of sediments are in accordance to statutory requirements	Contractor	All works areas with sediments concern	Construction Phase	ETWB TC(W) No. 34/2002 & Dumping at Sea Ordinance
	Chemical Wastes.					

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S8.6.26/ Waste Management Plan	If chemical wastes are produced at the construction site, the Contractor would be required to register with the EPD as a Chemical Waste Producer and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall use a licensed collector to transport and dispose of the chemical wastes, to either the Chemical Waste Treatment Centre at Tsing Yi, or other licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	To ensure proper management of chemical waste	Contractor	All works sites	Construction Phase	Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes Waste Disposal (Chemical Waste) (General) Regulation

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S8.6.27/ Waste Management Plan	General Refuse General refuse should be stored in enclosed bins or compaction units separate from C&D material. A reputable waste collector should be employed by the contractor to remove general refuse from the site, separately from C&D material. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	To ensure proper management of general refuse	Contractor	All works sites	Construction Phase	Public Health and Municipal Services Ordinance (Cap. 132)
Impact on Cultural Heritage (Construction Phase)						
S9.6.4	Dust and visual impacts - Temporarily fenced off buffer zone with allowance for public access (minimum 1 m) should be provided; - The open yard in front of the temple should be kept as usual for annual Tin Hau festival; - Monitoring of vibration impacts should be conducted when the construction works are less than 100m from the temple.	To prevent dust and visual impacts	Contractors	Work areas	Construction Phase	EIAO; GCHIA; AMO
S9.6.4	Indirect vibration impact - Vibration level is suggest to be controlled within a peak particle velocity (ppv) limit of 5mm/s measured inside the historical buildings; - Monitoring of vibration should be carried out during construction phase. - Tilting and settlement monitoring should will be applied on the Cha Kwo Ling Tin Hau Temple as well. - A proposal with details for the mitigation measures and monitoring of impacts on built heritage shall be submitted to AMO for comments before commencement of work.	To prevent indirect vibration impact	Contractors	Work areas	Construction Phase	Vibration Limits on Heritage Buildings by CEDD; GCHIA; AMO.
Built Heritage Mitigation Plan	- Established Alert, Alarm and Action Level for the monitoring parameters. - To increase the instrumentation monitoring and reporting frequency. - To propose detailed action plan or contingency plan for the Engineer's approval when AAA Level is reached or exceeded.	To prevent vibration impacts	NE/2015/01	Tin Hau Temple	Construction Phase	Vibration Limits on Heritage Buildings by CEDD; GCHIA; AMO.
Landscape and Visual Impact (Construction Phase)						
Table 10.8.1/ Landscape Mitigation Plan	CM1 - Construction area and contractor's temporary works areas to be minimised to avoid impacts on adjacent landscape.	Avoid impact on adjacent landscape areas	CEDD (via Contractor)	General	Construction planning and during construction period	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM2 - Reduction of construction period to practical minimum.	Minimise duration of impact	CEDD (via Contractor)	N/A	Construction planning	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM3 - Topsoil, where the soil material meets acceptable criteria and where practical, to be stripped and stored for re-use in the construction of the soft landscape works. The Contract Specification shall include storage and reuse of topsoil as appropriate.	To allow re-use of topsoil	CEDD (via Contractor)	General	Site clearance	As per the Particular Specification

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
Table 10.8.1/ Landscape Mitigation Plan	CM4 - Existing trees at boundary of site and retained trees within site boundary to be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification, under which the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. (Tree protection measures will be detailed at Tree Removal Application stage).	To minimize tree loss	CEDD (via Contractor)	As per approved Tree Removal Application(s)	Site clearance and throughout construction period	ETWB TC 3/2006 and as per tree protection measures in Particular Specification

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
Table 10.8.1/ Landscape Mitigation Plan	CM5 - Trees unavoidably affected by the works shall be transplanted where practicable. Where possible, trees should be transplanted direct to permanent locations rather than temporary holding nurseries. A detailed tree transplanting specification shall be provided in the Contract Specification and sufficient time for preparation shall be allowed in the construction programme.	To maximize preservation of existing trees	CEDD (via Contractor)	As per approved Tree Removal Application(s)	Site clearance	ETWB TC 3/2006 and as per tree protection measures in Particular Specification
Table 10.8.1/ Landscape Mitigation Plan	CM6 - Advance screen planting of fast growing tree and shrub species to noise barriers and hoardings. Trees shall be capable of reaching a height >10m within 10 years.	To maximize screening of the works	CEDD (via Contractor)	At Lam Tin Interchange and edge of Road P2 landscape deck, TKO	Beginning of construction period	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM7 - Hydroseeding or sheeting of soil stockpiles with visually unobtrusive material	To reduce visual intrusion	CEDD (via Contractor)	General	Throughout construction period	As per Particular Specification
Table 10.8.1/ Landscape Mitigation Plan	CM8 - Control of night-time lighting by hooding all lights and through minimisation of night working periods.	To reduce visual intrusion	CEDD (via Contractor)	General	Throughout construction period	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM9 - Screening of works areas with hoardings with appropriate colours compatible with the surrounding area	Reduction of visual intrusion	CEDD (via Contractor)	Project site Boundary	Excretion of site hoarding	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM10 - Avoidance of excessive height and bulk of site buildings and structure	Reduction of visual intrusion and integration with environment	CEDD (via Contractor)	Built structures	Design and construction stage	N/A
Table 10.8.1/ Landscape Mitigation Plan	CM11 - Limitation of run-off into freshwater streams, ponds and sea areas	Avoidance of contamination of water courses and water bodies	CEDD (via Contractor)	TKO reclamation, TKO tunnel portal, Cha Kwo Ling roadworks	Throughout construction period	N/A
Table 10.8.1	CM12 - Minimise area of reclamation and design the edges sensitively to tie in with adjacent coastline character	Minimise loss of Junk Bay and integration with existing coastline	CEDD (via Contractor)	Temporary reclamation for barging points at TKO and Lam Tin and permanent reclamation for TKO Interchange slip roads and Road P2	Construction planning and reclamation stages	N/A
Landfill Gas Hazard (Design and Construction Phase)						
S11.5.9	A Safety Officer, trained in the use of gas detection equipment and landfill gas-related hazards, should be present on site throughout the groundworks phase. The Safety Officer should be provided with an intrinsically safe portable instrument, which is appropriately calibrated and able to measure the following gases in the ranges indicated below: Methane 0-100% LEL and 0/100% v/v Carbon dioxide 0-100% Oxygen 0-21%	Protect the workers from landfill gas hazards	Contractor	Project sites within the Sai Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S11.5.10 S11.5.25	Safety Measures - For staff who work in, or have responsibility for "at risk" area, such as all excavation workers, supervisors and engineers working within the Consultation Zone, should receive appropriate training on working in areas susceptible to landfill gas, fire and explosion hazards. - An excavation procedure or code of practice to minimize landfill gas related risk should be devised and carried out. - No worker should be allowed to work alone at any time in or near to any excavation. At least one other worker should be available to assist with a rescue if needed. - Smoking, naked flames and all other sources of ignition should be prohibited within 15m of any excavation or ground-level confined space. "No smoking" and "No naked flame" notices should be posted prominently on the construction site and, if necessary, special areas should be designed for smoking. - Welding, flame-cutting or other hot works should be confined to open areas at least 15m from any trench or excavation. - Welding, flame-cutting or other hot works may only be carried out in trenches or confined spaces when controlled by a "permit to work" procedure, properly authorized by the Safety Officer (or, in the case of small developments, other appropriately qualified person). - The permit to work procedure should set down clearly the requirements for continuous monitoring for methane, carbon dioxide and oxygen throughout the period during which the hot works are in progress. The procedure should also require the presence of an appropriately qualified person, in attendance outside the 'confined area', who should be responsible for reviewing the gas measurements as they are made, and who should have executive responsibility for suspending the work in the event of unacceptable or hazardous conditions. Only those workers who are appropriately trained and fully aware of the potentially hazardous conditions which may arise should be permitted to carry out hot works in confined areas. - Where there are any temporary site offices, or any other buildings located within the Sai Tso Wan Landfill Consultation Zone which have enclosed spaces with the capacity to accumulate landfill gas, then they should either be located in an area which has been proven to be free of landfill gas (by survey using portable gas detectors); or be raised clear of the ground by a minimum of 500mm. This aims to create a clear void under the structure which is ventilated by natural air movement such that emission of gas from the ground are mixed and diluted by air. - Any electrical equipment, such as motors and extension cords, should be intrinsically safe. During piping assembly or conduiting construction, all valves/seals should be closed immediately after installation. As construction progresses, all valves/seals should be closed to prevent the migration of gases through the pipeline/conduit. All piping /conduiting should be capped at the end of each working day. - During construction, adequate fire extinguishing equipment, fire-resistant clothing and breathing apparatus (BA) sets should be made available on site. - Fire drills should be organized at not less than six monthly intervals.	Protect the workers from landfill gas hazards	Contractor	Project sites within the Sai Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note Labour Department's Code of Practice for Safety and Health at Work in Confined Space

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S11.5.10 S11.5.25	- The contractor should formulate a health and safety policy, standards and instructions for site personnel to follow. - All personnel who work on the site and all visitors to the site should be made aware of the possibility of ignition of gas in the vicinity of excavations. Safety notices (in Chinese and English) should be posted at prominent position around the site warning danger of the potential hazards. - Service runs within the Consultation Zone should be designated as "special routes"; utilities companies should be informed of this and precautionary measures should be implemented. Precautionary measures should include ensuring that staff members are aware of the potential hazards of working in confined spaces such as manholes and service chambers, and that appropriate monitoring procedures are in place to prevent hazards due to asphyxiating atmospheres in confined spaces. Detailed guidance on entry into confined spaces is given in Code of Practice on Safety and Health at Work in Confined Spaces (Labour Department, Hong Kong). - Periodically during ground-works construction within the 250m Consultation Zone, the works area should be monitored for methane, carbon dioxide and oxygen using appropriately calibrated portable gas detection equipment. The monitoring frequency and areas to be monitored should be set down prior to commencement of ground-works either by the Safety Officer or an approved and appropriately qualified person.					
S11.5.26 - S11.5.31	Monitoring - Routine monitoring should be carried out in all excavations, manholes, chambers, relocation of monitoring wells and any other confined spaces that may have been created. All measurements in excavations should be made with the extended monitoring tube located not more than 10 mm from the exposed ground surface. Monitoring should be performed properly to make sure that the area is free of landfill gas before any man enters into the area. - For excavations deeper than 1m, measurements should be carried out: - at the ground surface before excavation commences;- - immediately before any worker enters the excavation; - at the beginning of each working day for the entire period the excavation remains open; and - periodically throughout the working day whilst workers are in the excavation. - For excavations between 300mm and 1m deep, measurements should be carried out: - directly after the excavation has been completed; and - periodically whilst the excavation remains open. - For excavations less than 300mm deep, monitoring may be omitted, at the discretion of the Safety Officer or other appropriately qualified person. - Depending on the results of the measurements, actions required will vary and should be set down by the Safety Officer or other appropriately qualified person. - The exact frequency of monitoring should be determined prior to the commencement of works, but should be at least once per day, and be carried out by a suitably qualified or qualified person before starting the work of the day. Measurements shall be recorded and kept as a record of safe working conditions with copies of the site diary and submitted to the Engineer for approval. The Contractor may elect to carry out monitoring via an automated monitoring system.	Protect the workers from landfill gas hazards	Contractor	Project sites within the Sai Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note
The hazards from landfill gas during the construction stage within the Sai Tso Wan Landfill		construction stage within the Sai Tso Wan		Project sites within the Sai		

EIA Ref. / EP Submission	Recommended Mitigation Measures	Objectives of the recommended Measures & Main Concerns to address	Who to implement the measures?	Location of the measures	When to Implement the measures?	What requirements or standards for the measures to achieve?
S11.5.32	The hazards from landfill gas during the construction stage within the San Tso Wan Landfill Consultation Zone should be minimized by suitable precautionary measures recommended in Chapter 8 of the Landfill Gas Hazard Assessment Guidance Note.	Protect the workers from landfill gas hazards	Contractor	Tso Wan Landfill Consultation Zone	Construction phase	EPD's Landfill Gas Hazard Assessment Guidance Note

Table II - Observation / Reminder / Non-compliance made during Site Audit (May 2026)

Key:

- ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit
- ✗ Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit
- # Follow up action will be reported in next reporting month
- * Non-compliance of mitigation measure
- Non-compliance but improved by the contractor

EIA Ref	Recommended Mitigation Measures	Contract No.	Details of Reminder/Observation	Recorded Date	Status
Air Quality					
--	The valid NRMM label should be displayed onn the PME.s.	ED/2018/04	NRMM label should be clearly displayed on the PME.	30 Apr 2026	✓
Construction Noise Impact					
--	--	--	--	--	--
Water Quality Impact					
S5.8.7	Construction site runoff and drainage should be prevented or minimised in accordance with the guidelines stipulated in the EPD's Practice Note for Professional Persons, Construction Site Drainage (ProPECC PN 1/94). Good housekeeping and stormwater best management practices, as detailed in below, should be implemented to ensure that all construction runoff complies with WPCO standards and no unacceptable impact on the WSRs arises due to construction of the TKO-LT Tunnel. All discharges from the construction site should be controlled to comply with the standards for effluents discharged into the corresponding WCZ under the TM-DSS.	ED/2018/04	Ponding water was observed.	30 Apr 2026	✓
Ecological Impact					
--	--	--	--	--	--
Fisheries Impact					
--	--	--	--	--	--
Waste Management					
--	--	--	--	--	--
Landscape and Visual Impact					
--	--	--	--	--	--
Landfill Gas Hazards					
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Table II - Observation / Reminder / Non-compliance made during Site Audit (June 2026)

Key:

- ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit
- ✗ Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit
- # Follow up action will be reported in next reporting month
- * Non-compliance of mitigation measure
- Non-compliance but improved by the contractor

EIA Ref	Recommended Mitigation Measures	Contract No.	Details of Reminder/Observation	Recorded Date	Status
Air Quality					
S3.8.7	Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides.	ED/2018/04	Used and over 20 cement bags should be covered.	11 Jun 2026	✓
Construction Noise Impact					
--	--	--	--		
Water Quality Impact					
S8.6.8/ Waste Management Plan	Remove waste in timely manner;	ED/2018/04	General refuse should be disposed of regularly and properly.	04 Jun 2026	✓
		ED/2018/04	The accumulated construction waste should be removed timely.	25 Jun 2026	✓
Ecological Impact					
--	--	--	--		
Fisheries Impact					
--	--	--	--		
Waste Management					
--	--	--	--		
Landscape and Visual Impact					
--	--	--	--		
Landfill Gas Hazards					
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Table II - Observation / Reminder / Non-compliance made during Site Audit (July 2026)

Key:

- ✓ Observation/reminder was made during site audit but improved/rectified by the contractor in the next site audit
- ✗ Observation/reminder was made during site audit but not yet improved/rectified by the contractor in the next site audit
- # Follow up action will be reported in next reporting month
- * Non-compliance of mitigation measure
- Non-compliance but improved by the contractor

EIA Ref	Recommended Mitigation Measures	Contract No.	Details of Reminder/Observation	Recorded Date	Status
Air Quality					
S3.8.7	Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides.	ED/2018/04	Over 20 Cement bags should be covered.	09 Jul 2026	✓
Construction Noise Impact					
--	--	--	--		
Water Quality Impact					
--	--	--	--		
Ecological Impact					
--	--	--	--		
Fisheries Impact					
--	--	--	--		
Waste Management					
S8.6.8/ Waste Management Plan	Remove waste in timely manner;	ED/2018/04	General refuse should be disposed of properly.	09 Jul 2026	✓
Landscape and Visual Impact					
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Landfill Gas Hazards					
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APPENDIX H
WASTE GENERATED QUANTITY



Trunk Road T2 and Infrastructure Works
for Developments at the Former South Apron
Contract No. ED/2018/04

Name of Department: CEDD

Monthly Summary Waste Flow Table for 2026 (CKL)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	a.Total Quantity Generated (a=c+d+e)	b. Hard Rock and Large Broken Concrete	c. Reused in the Contract	d. Reused in Other Projects	e. Disposed as Public Fill	f. Imported Fill	g. Metals	h. Paper / Cardboard Packaging	i. Plastics	j. Chemical Waste	k. Others, e.g. general refuse
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
January	0.423	0.273	0.000	0.000	0.423	12.979	0.000	0.000	0.000	0.000	0.022
February	0.584	0.020	0.000	0.000	0.584	1.392	0.000	0.000	0.000	0.000	0.020
March	1.131	0.204	0.000	0.000	1.131	12.600	0.000	0.000	0.000	0.000	0.036
April	0.630	0.486	0.000	0.000	0.630	19.814	0.000	0.000	0.000	0.000	0.016
May	0.185	0.114	0.000	0.000	0.185	11.353	0.000	0.000	0.000	0.000	0.022
June	0.471	0.322	0.000	0.000	0.471	21.074	0.000	0.000	0.000	0.000	0.038
Sub-total	3.424	1.419	0.000	0.000	3.424	79.212	0.000	0.000	0.000	0.000	0.155
July	0.181	0.064	0.000	0.000	0.181	10.000	0.000	0.000	0.000	0.000	0.039
August											
September											
October											
November											
December											
Total	3.605	1.483	0.000	0.000	3.605	89.212	0.000	0.000	0.000	0.000	0.194

Monthly Summary Waste Flow Table

Notes:

- (1)The performance targets are given in ER Appendix 8I Clause 14 and the EM&A Manual(s).
- (2)The waste flow table shall also include C&D materials to be imported for use at the Site.
- (3)Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.
- (4)The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m3. (ER Part 8 Clause 8.8.5 (d) (ii) refers).

Monthly Summary Waste Flow Table For 2026 (CKL)

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Waste Generated Monthly							
	Total Quantity Generated	Broken Concrete (see Note 4)	Estimated Quantities (Broken Concrete)	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Metals	Estimated Quantities (Metals)	Paper/ cardboard packaging	Estimated Quantities (Paper/ cardboard packaging)	Plastics (see Note 3)	Estimated Quantities (Plastics)	Chemical Waste	Others, e.g. general refuse
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(tonne)
Jan-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jun-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug-26														
Sep-26														
Oct-26														
Nov-26														
Dec-26														
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Notes:

- (1) The performance targets are given in PS Sub-clause 2(5) (c).
- (2) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- (3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material.
- (4) Broken concrete for recycling into aggregates.

**APPENDIX I
SUMMARY OF EXCEEDANCES**

Appendix I – Summary of Exceedance

Reporting Quarter: May 2026 – July 2026

(A) Exceedance Report for Air Quality

No Action and no Limit Level exceedance of 24hr TSP monitoring were recorded in this reporting quarter.

No Action/ Limit Level exceedance of 1hr TSP monitoring was recorded in this reporting quarter.

(B) Exceedance Report for Construction Noise

No Action Level exceedance was recorded due to the documented complaint in the reporting quarter.

No Limit Level exceedance for construction noise monitoring was recorded in the reporting quarter.

(C) Exceedance Report for Landfill Gas (NIL in the reporting quarter)

**APPENDIX J
SUMMARIES OF ENVIRONMENTAL
COMPLAINT, WARNING, SUMMON
AND NOTIFICATION OF SUCCESSFUL
PROSECUTION**

EP No.: EP-458/2013/C
Trunk Road T2

Appendix J – Summary of environmental complaint, warning, summon and notification of successful prosecution

Reporting Quarter: May 2026 – July 2026

Log Ref.	Location	Received Date	Details of Complaint/warning/summon and prosecution	Investigation/Mitigation Action	Status
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Remarks: No environmental complaint was received in the reporting quarter.
No environmental warning/summon and prosecution were received in the reporting quarter.

APPENDIX K
EVENT AND ACTION PLAN

Event and Action Plan for Air Quality (Dust)

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Action level being exceeded by one sampling	1. Identify source, investigate the causes of complaint and propose remedial measures; 2. Inform IEC and ER; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method.	1. Notify Contractor.	1. Rectify any unacceptable practice; 2. Amend working methods if appropriate.
Action level being exceeded by two or more consecutive sampling	1. Identify source; 2. Inform IEC and ER; 3. Advise the ER on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC and Contractor on remedial actions required; 7. If exceedance continues, arrange meeting with IEC and ER;	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ET on the effectiveness of the proposed remedial measures; 5. Supervise Implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Submit proposals for remedial actions to IEC within three working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate.

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
	8. If exceedance stops, cease additional monitoring.			
Limit level being exceeded by one sampling	1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform Contractor ,IEC, ER, and EPD; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.	1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ER on the effectiveness of the proposed remedial measures; 5. Supervise implementation of remedial measures.	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within three working days of notification; 3. Implement the agreed proposals; 4. Amend proposal if appropriate.
Limit level being exceeded by two or more consecutive sampling	1. Notify IEC, ER, Contractor and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily;	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly;	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented;	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within three working days of notification; 3. Implement the agreed proposals;

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
	5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and ER to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring.	3. Supervise the implementation of remedial measures.	4. Ensure remedial measures properly implemented; 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.	4. Resubmit proposals if problem still not under control; 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Event and Action Plan for Construction Noise

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Action Level	1. Notify IEC and Contractor; 2. Carry out investigation; 3. Report the results of investigation to the IEC, ER and Contractor; 4. Discuss with the Contractor and formulate remedial measures; 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the analysed results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; 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 are properly implemented.	1. Submit noise mitigation proposals to IEC; 2. Implement noise mitigation proposals.
Limit Level	1. Identify source; 2. Inform IEC, ER, EPD and Contractor; 3. Repeat measurements to confirm findings; 4. Increase monitoring frequency; 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; 6. Inform IEC, ER and EPD the causes and actions taken for the exceedances; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring.	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; 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; 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; 5. Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Limit Levels and Action Plan for Landfill Gas

Parameter	Limit Level	Action
Oxygen	<19%	• Ventilate to restore oxygen to >19%
	<18%	• Stop works • Evacuate personnel/prohibit entry • Increase ventilation to restore oxygen to >19%
Methane	>10% LEL (i.e. > 0.5% by volume)	• Prohibit hot works • Ventilate to restore methane to <10% LEL
	>20% LEL (i.e. > 1% by volume)	• Stop works • Evacuate personnel / prohibit entry • Increase ventilation to restore methane to <10% LEL
Carbon Dioxide	>0.5%	• Ventilate to restore carbon dioxide to < 0.5%
	>1.5%	• Stop works • Evacuate personnel / prohibit entry • Increase ventilation to restore carbon dioxide to <0.5%

APPENDIX L
CONSTRUCTION PROGRAMME

Activity ID	Activity Name	Dur	Start	Finish	2026		
HKT2 "Mid Oct26" Revised Accelerated Programme DD 30A					May	Jun	Jul
Construction							
Trunk Road T2							
01 West Ventilation Building - WVB							
	WVB - Remaining works after FSI	712	02-Dec-24 A	13-Nov-26			
	External Works	712	02-Dec-24 A	13-Nov-26			
	WVB1820 WVB - External Drainage (EVA side)	600	02-Dec-24 A	24-Jul-26			
	WVB1950 WVB - Fence Wall (KFR Side)	600	02-Dec-24 A	24-Jul-26			
	WVB1960 WVB - Gate Design Confirmation	566	02-Dec-24 A	20-Jun-26			
	WVB1970 WVB - Gate Installation	515	02-Dec-24 A	30-Apr-26 A			
	Final works	64	02-Mar-26 A	05-May-26			
	WVB1980 WVB - Road Side Kerb and Channel (EVA side)	0	01-May-26*				
	WVB1880 WVB - Backfilling and Subbase	50	02-May-26	20-Jun-26			
	WVB1990 WVB - Road Side Kerb and Channel (KFR side)	95	20-Apr-26 A	24-Jul-26			
	WVB2000 WVB - Remaining Soft Landscape	19	20-Apr-26 A	09-May-26			
	WVB1860 WVB - Flexible Pavement	42	10-May-26	20-Jun-26			
	WVB1901 KD-29 - Completion of Section 9G - Remaining Landscape	21	10-May-26	30-May-26			
	WVB1930 WVB - Handover with HyD	31	31-May-26	30-Jun-26			
		14	21-Jun-26	04-Jul-26			
		0	30-Jun-26*				
		20	05-Jul-26	24-Jul-26			
		139	03-Apr-26 A	19-Aug-26			
	02 AtGrade Road - AGR						
	Kiosk	64	03-Apr-26 A	05-Jun-26			
	AGR1100 Kiosk - TCSS	58	03-Apr-26 A	30-May-26			
	AGR1110 Kiosk - Reday for FSI	6	31-May-26	05-Jun-26*			
	AGR - Road & Drainage works	99	13-Apr-26 A	20-Jul-26			
	AGR1170 AGR - Central Divider	18	13-Apr-26 A	30-Apr-26 A			
	AGR1150 AGR - Remaining Barrier (after ramp demolition)	6	15-Jul-26	20-Jul-26			
	AGR - Road Lighting	30	21-Jul-26	19-Aug-26			
	AGR1160 AGR & DPR - Road Lighting Installation	30	21-Jul-26	19-Aug-26			
	Temporary Ramp for CKR Opening	24	21-Jun-26	14-Jul-26			
	A229450400 DPR - WB Temp. Ramp demolition (after last usage of MSV)	24	21-Jun-26	14-Jul-26			
	03 Depressed Road - DPR	122	01-Mar-26 A	30-Jun-26			
	DPR - Road Works	122	01-Mar-26 A	30-Jun-26			
	Rising Main	78	13-Apr-26 A	29-Jun-26			
	A229450390 DPR - Civil - Pillar Box	48	13-Apr-26 A	30-May-26			
	A229450410 DPR - Civil - Central Divider	30	31-May-26	29-Jun-26			
	Movement Joint and Cut-off Drain	122	01-Mar-26 A	30-Jun-26			
	A229451140 DPR - MJ & Cut-off Drain Westbound batch 1	77	01-Mar-26 A	16-May-26			
	A229451160 DPR - MJ & Cut-off Drain Eastbound batch 1	48	13-Apr-26 A	30-May-26			
	A229451150 DPR - MJ & Cut-off Drain Westbound batch 2	28	17-May-26	13-Jun-26			
	A229451170 DPR - MJ & Cut-off Drain Eastbound batch 2	31	31-May-26	30-Jun-26			
	06 Launching Shaft & C&C Tunnel - LSCC	181	01-Dec-25 A	30-May-26			
	LSCC - Structure works	58	03-Apr-26 A	30-May-26			
	Launching Shaft	58	03-Apr-26 A	30-May-26			
	LS - Miscellaneous Structural Openings	58	03-Apr-26 A	30-May-26			
	WB NCP wall box out structure (subject to temporary cable relocation, TBM BT 6)	58	03-Apr-26 A	30-May-26			
	LSCC10200 LSCC - WB NCP wall box out structure	44	03-Apr-26 A	16-May-26			
	LSCC10461 LSCC - WB NCP remaining internal structure work	14	17-May-26	30-May-26			
	LSCC - Backfilling & Dwall Dismantling	173	01-Dec-25 A	22-May-26			
	LSCC1000 Demolition of Strutting Beams, C&C Bulkhead Wall	173	01-Dec-25 A	22-May-26			
	07 Tunnel Sub-sea (TSS)	518	17-Feb-25 A	19-Jul-26			
	TSS - TBM Excavation from Kai Tak	214	18-Dec-25 A	19-Jul-26			

◆ Milestones

■ Planned Bar

■ Actual Bar

ED/2018/04 Trunk Road T2 and Infrastructure Works
for Developments at South Apron

Three Months Rolling Programme (May26-Jul26)



Date	Revision	Checked	Approved

Activity ID	Activity Name	Dur	Start	Finish	2026		
					May	Jun	Jul
	Eastbound - TBM S1282	214	18-Dec-25 A	19-Jul-26			
	TBM2 Rescue	214	18-Dec-25 A	19-Jul-26			
	Seawall Reinstatement	214	18-Dec-25 A	19-Jul-26			
A229451020	Phase 5 (Bay 4 to Bay 5) Seawall Reinstatement	187	18-Dec-25 A	22-Jun-26		Phase 5 (Bay 4 to Bay 5) Seawall Reinstatement	
A229450970	Phase 3 (Bay 6 to Bay 8) Seawall Reinstatement	105	16-Jan-26 A	01-May-26	Phase 3 (Bay 6 to Bay 8) Seawall Reinstatement		
A229451010	Phase 4 (Bay 1 to Bay 3) Seawall Reinstatement	127	16-Feb-26 A	22-Jun-26		Phase 4 (Bay 1 to Bay 3) Seawall Reinstatement	
A229451040	Target Handover to VTC	0		19-Jul-26*			◆ Target Handover to VTC
	TSS - Tunnel Civil Works	502	17-Feb-25 A	03-Jul-26			
	Westbound (WB)	107	14-Feb-26 A	31-May-26			
	WB TSS - Black paint	76	14-Feb-26 A	30-Apr-26 A			
	After TBM1 Dismantling	76	14-Feb-26 A	30-Apr-26 A			
TC1490	WB TSS - Black paint from CP26 to CP29	76	14-Feb-26 A	30-Apr-26 A	WB TSS - Black paint from CP26 to CP29		
TC11590	WB TSS - Black paint from CP29 to CP31 (no fireboard area)	38	24-Mar-26 A	30-Apr-26 A	WB TSS - Black paint from CP29 to CP31 (no fireboard area)		
	WB TSS - Below Road Level Installation	62	31-Mar-26 A	31-May-26			
	LowPoint@CP12	62	31-Mar-26 A	31-May-26			
TC11380	WB TSS - Low Point Sump Pit Waterproofing and Testing	62	31-Mar-26 A	31-May-26	WB TSS - Low Point Sump Pit Waterproofing and Testing		
	LowPoint@CP27	58	03-Apr-26 A	30-May-26			
TC1450	WB TBM Tunnel - Low Point Sump Pit waterproofing & testing	58	03-Apr-26 A	30-May-26	WB TBM Tunnel - Low Point Sump Pit waterproofing & testing		
	Eastbound (EB)	502	17-Feb-25 A	03-Jul-26			
	EB TSS - TBM Slurry Pipes & Temporary Services	64	26-Feb-26 A	30-Apr-26 A			
	Pipe dismantling & relocation after TBM2 Breakthrough	64	26-Feb-26 A	30-Apr-26 A			
	CP7 to CP22	64	26-Feb-26 A	30-Apr-26 A			
A229447730	TSS - EB NCPS Wall Pipe Dismantling from FT to CP22	64	26-Feb-26 A	30-Apr-26 A	TSS - EB NCPS Wall Pipe Dismantling from FT to CP22		
	EB TSS - Civil Works After TBM2 Dismantled	118	08-Mar-26 A	03-Jul-26			
	EB TSS - Service Gallery	28	24-Apr-26 A	21-May-26			
TC0030	EB TSS - Service Gallery R1007 to R1039	7	24-Apr-26 A	01-May-26	EB TSS - Service Gallery R1007 to R1039		
TC0060	EB TSS - ISIG Dismantling Stage	6	01-May-26	06-May-26	EB TSS - ISIG Dismantling Stage		
TC0090	EB TSS - Service Gallery R1060 to R1056 (Reverse Installation by Sliding)	6	07-May-26	12-May-26	EB TSS - Service Gallery R1060 to R1056 (Reverse Installation by Sliding)		
TC0070	EB TSS - Service Gallery R1040 to 1056 (Monorail)	9	13-May-26	21-May-26	EB TSS - Service Gallery R1040 to 1056 (Monorail)		
	EB TSS - Corbel	32	20-Apr-26 A	21-May-26			
TC220	EB TSS - Corbel Structure from CP27 to CP28 (3R/d)	17	20-Apr-26 A	06-May-26	EB TSS - Corbel Structure from CP27 to CP28 (3R/d)		
TC230	EB TSS - Corbel Structure from CP28 to CP29 (R1021) (6R/d)	8	07-May-26	14-May-26	EB TSS - Corbel Structure from CP28 to CP29 (R1021) (6R/d)		
TC300	EB TSS - Corbel Curing up to CP28	7	07-May-26	13-May-26	EB TSS - Corbel Curing up to CP28		
TC240	EB TSS - Corbel Structure from R1021 to R1059 (before EW) (6R)	7	15-May-26	21-May-26	EB TSS - Corbel Structure from R1021 to R1059 (before EW) (6R/d)		
	EB TSS - OHVD	41	30-Apr-26 A	09-Jun-26			
TC340	EB TSS - OHVD up to CP26	13	30-Apr-26 A	12-May-26	EB TSS - OHVD up to CP26		
TC350	EB TSS - OHVD up to CP27 (R930)	7	14-May-26	20-May-26	EB TSS - OHVD up to CP27 (R930)		
TC360	EB TSS - OHVD up to CP28 (R975)	7	21-May-26	27-May-26	EB TSS - OHVD up to CP28 (R975)		
TC380	EB TSS - OHVD R975 to R1040	12	29-May-26*	09-Jun-26	EB TSS - OHVD R975 to R1040		
	EB TSS - Road Barrier	31	01-May-26	31-May-26			
TC10160	EB TSS - Road Barrier up to CP25	8	01-May-26	08-May-26	EB TSS - Road Barrier up to CP25		
TC10190	EB TSS - Road Barrier up to R954	8	09-May-26	16-May-26	EB TSS - Road Barrier up to R954		
TC11160	EB TSS - Road Barrier R955 to R1034	9	17-May-26	25-May-26	EB TSS - Road Barrier R955 to R1034		
TC11170	EB TSS - Road Barrier R1035 to R1061	6	26-May-26	31-May-26	EB TSS - Road Barrier R1035 to R1061		
	EB TSS - Fire Board - Tunnel Crown with deletion up to Ch8850	39	25-Apr-26 A	02-Jun-26			
D12605	EB TSS - Fire board (Crown) up to CP26	10	25-Apr-26 A	04-May-26	EB TSS - Fire board (Crown) up to CP26		
D12615	EB TSS - Fire board (Crown) up to CP27	8	05-May-26	12-May-26	EB TSS - Fire board (Crown) up to CP27		
TC270	EB TSS - Fire board (Crown) CP27 (R930) to CP28 (R975)	8	13-May-26	20-May-26	EB TSS - Fire board (Crown) CP27 (R930) to CP28 (R975)		
TC280	EB TSS - Fire board (Crown) R975 to R1005	13	21-May-26	02-Jun-26	EB TSS - Fire board (Crown) R975 to R1005		
	EB TSS - Fire Board - Road level with deletion up to Ch8850	112	08-Mar-26 A	27-Jun-26			
TC430	EB TSS - Fire Board - Walls & OHVD Soffit up to CP25	60	08-Mar-26 A	06-May-26	EB TSS - Fire Board - Walls & OHVD Soffit up to CP25		

Activity ID	Activity Name	Dur	Start	Finish	2026
					May
TC440	EB TSS - Fire Board - Walls & OHVD Soffit up to CP26	8	07-May-26	14-May-26	EB TSS - Fire Board - Walls & OHVD Soffit up to CP26
TC450	EB TSS - Fire Board - Walls & OHVD Soffit up to CP27	10	15-May-26	24-May-26	EB TSS - Fire Board - Walls & OHVD Soffit up to CP27
TC11740	EB TSS - HyD inspection before black paint & E&M bracket CP25	7	15-May-26	21-May-26	EB TSS - HyD inspection before black paint & E&M bracket CP25 to CP26
TC11710	EB TSS - HyD inspection before black paint & E&M bracket CP26	7	25-May-26	31-May-26	EB TSS - HyD inspection before black paint & E&M bracket CP26 to CP27
TC460	EB TSS - Fire Board - Walls & OHVD Soffit up to CP28	14	25-May-26	07-Jun-26	EB TSS - Fire Board - Walls & OHVD Soffit up to CP28
TC470	EB TSS - Fire Board - Walls & OHVD Soffit from CP28 to R1005	12	08-Jun-26	19-Jun-26	EB TSS - Fire Board - Walls & OHVD Soffit from CP28 to R1005
TC480	EB TSS - Fire Board - Gantry dismantling at CKL	8	20-Jun-26	27-Jun-26	EB TSS - Fire Board - Gantry dismantling at CKL
EB TSS - E&M Brackets & Final TCSS Civil Provision					
TC630	EB TSS - E&M Brackets CP23 to CP24	21	20-Apr-26 A	10-May-26	EB TSS - E&M Brackets CP23 to CP24
TC640	EB TSS - E&M Brackets CP24 to CP25	8	11-May-26	18-May-26	EB TSS - E&M Brackets CP24 to CP25
TC650	EB TSS - E&M Brackets CP25 to CP26	9	19-May-26	27-May-26	EB TSS - E&M Brackets CP25 to CP26
TC660	EB TSS - E&M Brackets CP26 to CP27 (R930)	9	28-May-26	05-Jun-26	EB TSS - E&M Brackets CP26 to CP27 (R930)
TC670	EB - TBM Tunnel - E&M Bracket CP27 to CP28	3	08-Jun-26	10-Jun-26	EB - TBM Tunnel - E&M Bracket CP27 to CP28
TC680	EB - TBM Tunnel - E&M Bracket CP28 to CP29	3	20-Jun-26	22-Jun-26	EB - TBM Tunnel - E&M Bracket CP28 to CP29
TC710	EB - TBM Tunnel - TCSS Final Civil provision at OHVD soffit	7	27-Jun-26	03-Jul-26	EB - TBM Tunnel - TCSS Final Civil provision at OHVD soffit
EB TSS - Black paint					
TC720	EB - TBM Tunnel - Black paint CP25 to CP27	7	01-Jun-26	07-Jun-26	EB - TBM Tunnel - Black paint CP25 to CP27
TC730	EB - TBM Tunnel - Black paint from CP27 up to end wall	7	27-Jun-26	03-Jul-26	EB - TBM Tunnel - Black paint from CP27 up to end wall
EB TSS - Below Road Level Installation					
CP26-30 MMMEP					
TC11110	EB TSS - HyD Inspection for SG Installation	7	22-May-26	28-May-26	EB TSS - HyD Inspection for SG Installation
TC0130	EB TSS - All Remaining Service Gallery MMMEP & Civil Provision	7	29-May-26	04-Jun-26	EB TSS - All Remaining Service Gallery MMMEP & Civil Provision
Low Point Sump Pit					
Low Point @ CP12					
TC11330	EB TSS - Low Point Sump Pit waterproofing & testing (after TBM c	468	17-Feb-25 A	30-May-26	EB TSS - Low Point Sump Pit waterproofing & testing (after TBM dismantling)
CP27					
TC700	EB TSS - Low Point Sump Pit waterproofing & testing	69	19-Apr-26 A	26-Jun-26	EB TSS - Low Point Sump Pit waterproofing & testing
FSI Room					
TC070	EB TSS - FSI Room 9 - civil works	21	01-May-26	21-May-26	EB TSS - FSI Room 9 - civil works
EB TSS - Plant Demobilisation					
Corbel Gantry Dismantling					
TC250	EB - TBM Tunnel - ISCG Corbel Gantry & Formwork dismantling a	7	27-May-26	02-Jun-26	EB - TBM Tunnel - ISCG Corbel Gantry & Formwork dismantling at CKL
Monorail Dismantling					
TC0080	EB TBM Tunnel - Monorail Removal for final dismantling	7	22-May-26	28-May-26	EB TBM Tunnel - Monorail Removal for final dismantling
08 CKL Tunnel & End Wall Transition					
Eastbound (EB)					
EB CKL - After TBM breakthrough					
EB Remaining Civil Works Summary					
TA1371	Summary - EB Remaining Civil Work (TB1000 to TC11690)	61	27-Apr-26 A	26-Jun-26	Summary - EB Remaining Civil Work (TB1000 to TC11690)
Eastbound (EB) Final Civil Works					
Service Gallery					
TB1000	EB - Concrete Breaking & Temp fill removal	5	27-Apr-26 A	01-May-26	EB - Concrete Breaking & Temp fill removal
TB1020	EB - CKL & Endwall Precast In-situ SG Installation, Waterproofing	8	02-May-26	09-May-26	EB - CKL & Endwall Precast In-situ SG Installation, Waterproofing
TB1040	EB - Drainage & Road Slab for Precast & In-situ SG	3	10-May-26	12-May-26	EB - Drainage & Road Slab for Precast & In-situ SG
End Wall Civil & Structure Works					
TB1010	EB - Preparation for Endwall Construction	2	02-May-26	03-May-26	EB - Preparation for Endwall Construction
TB1030	EB - End Wall Kicker & Wall	18	04-May-26	21-May-26	EB - End Wall Kicker & Wall
TB1060	EB - TSS/CKL End Wall - Corbel (R1059-EW)	5	22-May-26	26-May-26	EB - TSS/CKL End Wall - Corbel (R1059-EW)
TB1080	EB - End Wall Parapet	3	27-May-26	29-May-26	EB - End Wall Parapet
TB1100	EB - Temporary L-frame Construction	1	30-May-26	30-May-26	EB - Temporary L-frame Construction
TB1390	EB - End Wall Crown Falsework/Formwork Erection	8	31-May-26	07-Jun-26	EB - End Wall Crown Falsework/Formwork Erection

Activity ID	Activity Name	Dur	Start	Finish	2026		
					May	Jun	Jul
	TB1400	EB - End Wall Crown Concreting & Falsework Dismantling	6	08-Jun-26	13-Jun-26		
	TB1160	EB- TSS/CKL End Wall E&M Bracket (CP29-EW)	3	23-Jun-26	25-Jun-26		
	OHVD		14	13-May-26	26-May-26		
	TB1070	EB D&Br - Type A OHVD (2 bay)	4	13-May-26	16-May-26		
	TB1130	EB D&Br - Type A OHVD (Last 2 bays)	4	17-May-26	20-May-26		
	TB1170	EB D&Br - Type A OHVD Formwork Dismantling	6	21-May-26	26-May-26		
	Barrier		3	27-May-26	29-May-26		
	TB1190	EB - Type A Dr&Br - Remaining Parapet	3	27-May-26	29-May-26		
	E&M Brackets & Black paint		10	27-May-26	05-Jun-26		
	TB1360	EB - Defect Rectification and HyD Inspection, Black paint	3	27-May-26	29-May-26		
	TB1370	EB - Type A Dr&Br - Remaining Bracket	7	30-May-26	05-Jun-26		
	EB TSS Final OHVDs		18	14-Jun-26	01-Jul-26		
	TC400	EB TSS - OHVD Lifting Batch 1-3 (16 pcs)	7	14-Jun-26	20-Jun-26		
	TC11690	EB TSS - Final Cast in-situ OHVD (5 pcs)	6	21-Jun-26	26-Jun-26		
	TC11700	Tunnel - Provision for Cleaning	5	27-Jun-26	01-Jul-26		
	TC11750	EB TSS - OHVD Formwork Dismantling	4	27-Jun-26	30-Jun-26		
	EB CKL - TCSS Civil Provision		3	06-Jun-26	08-Jun-26		
	TB1210	EB - Type A Dr&Br - Remaining TCSS Civil Provision	3	06-Jun-26	08-Jun-26		
	09 Cross Passages		112	28-Feb-26 A	19-Jun-26		
	Cross Passages @ TSS & CKL Tunnel (CP7 to CP33)		112	28-Feb-26 A	19-Jun-26		
	CP25 by Mini TBM		85	28-Feb-26 A	23-May-26		
	A8340	CP25 - EB Tym Remaining Civil Works (Fireboard, Black Paint & E	71	28-Feb-26 A	09-May-26		
	A8280	CP25 - E&M Installation	14	10-May-26	23-May-26		
	CP26 by Mini TBM		28	17-Apr-26 A	14-May-26		
	A8370	CP26 - WB/EB Tym Remaining Civil Works (Fireboard, Black Paint	14	17-Apr-26 A	30-Apr-26 A		
	A8300	CP26 - E&M Installation	14	01-May-26	14-May-26		
	CP27 by Mini TBM		61	17-Apr-26 A	16-Jun-26		
	A8350	CP27 - WB Tympanum Remaining Civil Work (Fireboard, Black Pa	14	17-Apr-26 A	30-Apr-26 A		
	A8360	CP27 - EB Tympanum Remaining Civil Work (Parapet, Fireboard,	9	25-May-26	02-Jun-26		
	A8310	CP27 - E&M Installation	14	03-Jun-26	16-Jun-26		
	CP28 by D&Br		47	01-May-26	16-Jun-26		
	TD1510	CP28 - Remaining Collar/Lining structure (EB side)	24	01-May-26	24-May-26		
	TD1340	CP28 - EB Remaining Civil Work at Special Segment (Fireboard, E	9	25-May-26	02-Jun-26		
	TD1300	CP28 - E&M Installation	14	03-Jun-26	16-Jun-26		
	CP29 by D&Br		64	17-Apr-26 A	19-Jun-26		
	TD1460	CP29 - WB Tympanum Remaining Civil Work (Fireboard, Black Pa	14	17-Apr-26 A	30-Apr-26 A		
	TD1500	CP29 - Remaining Collar/Lining structure (EB side)	21	01-May-26	21-May-26		
	TD1470	CP29 - EB Remaining Civil Work at Special Segment (Black Paint	3	03-Jun-26	05-Jun-26		
	TD1390	CP29 - E&M Installation	14	06-Jun-26	19-Jun-26		
	CP30 Remaining Works		12	01-May-26	12-May-26		
	CP30 remaining works		12	01-May-26	12-May-26		
	TD1210	CP30 - E&M Installation	12	01-May-26	12-May-26		
	CP31 Remaining Works		12	01-May-26	12-May-26		
	CP31 remaining works		12	01-May-26	12-May-26		
	TD1240	CP31 - E&M Installation	12	01-May-26	12-May-26		
	10 East Ventilation Building - EVB		92	01-May-26	31-Jul-26		
	VO - Recovery Vehicle Base (RVB) Construction		92	01-May-26	31-Jul-26		
	EV81715	RVB - Structural Works and Canopy	40	01-May-26	09-Jun-26		
	EV81630	RVB - Drainage works	21	10-Jun-26	30-Jun-26		
	EV81695	RVB - Paving works	31	01-Jul-26	31-Jul-26		
	11 Tunnel E&M Installation		125	29-Mar-26 A	31-Jul-26		

Activity ID	Activity Name	Dur	Start	Finish	2026		
					May	Jun	Jul
Key Handover Date to E&M Team							
TC770	EB - Full Access for HV Cable/FS Water Installation	0	31-May-26	03-Jul-26		◆ EB - Full Access for HV Cable/FS Water Installation	
TC760	EB - Full Access for MIMEP connection after MIMEP installation	0		04-Jun-26		◆ EB - Full Access for MIMEP connection after MIMEP installation	
TC740	EB - Full Access for LV Cable Installation (After Formwork Dism.)	0		30-Jun-26			◆ EB - Full Access for LV Cable Installation (After Formwork Dism.)
TC780	EB - Full Access for TVSDamper Installation (After Final Cleaning)	0		01-Jul-26			◆ EB - Full Access for TVSDamper Installation (After Final Cleaning)
TC750	EB - Full Access for Tunnel Lighting (After Black Paint)	0		03-Jul-26			◆ EB - Full Access for Tunnel Lighting (After Black Paint)
TC11820	EB - Full Access for TCSS Installation (After TCSS Civil Provision)	0		03-Jul-26			◆ EB - Full Access for TCSS Installation (After TCSS Civil Provision)
WB - E&M Works							
WB - HV Cabling & HV Power On							
TE1180	WB Tunnel - Permanent HV Cable laying (Final Section)	18	01-May-26	18-May-26			
TE1220	WB Tunnel - Final HV Power On Change Over	12	19-May-26	30-May-26			
WB - LV Cabling & LV Power On							
E&MC1200	WB TSS - CP24-EVB E&M installation (Final Stage subject to Last Bracket available)	36	08-Apr-26 A	13-May-26			
E&MC1190	WB SUS to CP2 - E&M Installation (Final Stage)	30	31-May-26	29-Jun-26			
WB - Below Road Level E&M Installation							
MIMEP							
TF070	WB TSS - Service Gallery E&M Installation	51	29-Mar-26 A	18-May-26			
EB - E&M Works							
EB - HV Cabling & HV Power On							
TE1190	EB Tunnel - Permanent HV Cable laying (Final Section)	8	01-Jun-26	08-Jun-26			
TE230	EB Tunnel - Final HV Power On Change Over	3	09-Jun-26	11-Jun-26			
EB - LV Cabling & LV Power On							
E&MC1100	EB TSS - CP16-20 E&M installation	35	10-May-26	13-Jun-26			
E&MC1120	EB TSS - CP20-28 - E&M installation	25	03-Jun-26	27-Jun-26			
E&MC2100	EB TSS - E&M Installation CP28 to EVB for VAC T&C (Final Stag	5	01-Jul-26	05-Jul-26			
E&MC2120	EB TSS - Final Tunnel Lighting	26	06-Jul-26	31-Jul-26			
E&MC2130	EB TSS - Final LV Cabling	26	06-Jul-26	31-Jul-26			
EB - Below Road Level E&M Installation							
MIMEP							
TE1230	EB TSS - Window for Final (LV Cable) MIMEP Connection & Conn	30	05-Jun-26	04-Jul-26			
FS Room							
TC150	EB TBM Tunnel - FS Control Room E&M Installation	28	22-May-26	18-Jun-26			
Low Point Sump							
TE190	EB TSS - Low Point Sump installation CP27	14	27-Jun-26	10-Jul-26			
TE250	EB TSS - Low Point Sump T&C CP27	5	11-Jul-26	15-Jul-26			
12 Projectwide Installation by Others (TCSS/MNO/FNO)							
TCSS Tunnel Installation							
TCSS1010	Temporary Power provide by BTP for TCSS	0	01-Jun-26	01-Jun-26		◆ Temporary Power provide by BTP for TCSS	
EB - TCSS Installation							
TCSS1020	EB - Window for Final TCSS Installation (before T2 Opening)	144	23-Jun-26	13-Nov-26			
Radio System Installation							
TCSS1040	TCSS Installation concurrent with E&M installation (Radio System)	117	01-May-26	25-Aug-26			
FNO (Fixed Network Operator)							
FNO1030	FNO Cable Containment Installation at WVB	59	01-Apr-26 A	29-May-26			
FNO1000	FNO Cable Containment Installation at EVB	29	30-May-26	27-Jun-26			
FNO1040	FNO Cable Laying at WVB	29	30-May-26	27-Jun-26			
FNO1010	FNO Cable Containment Installation at WB	29	28-Jun-26	26-Jul-26			
FNO1050	FNO Cable Laying at EVB	29	28-Jun-26	26-Jul-26			
FNO1020	FNO Cable Containment Installation at EB	29	27-Jul-26	24-Aug-26			
FNO1060	FNO Cable Laying at WB & EB	45	27-Jul-26	09-Sep-26			
MNO (Mobile Network Operator)							
		165	15-Mar-26 A	26-Aug-26			

Activity ID	Activity Name	Dur	Start	Finish	2026		
					May	Jun	Jul
MNO1000	MNO - WB & EB Cable Containment Installation + Cable Pulling W	105	15-Mar-26 A	27-Jun-26			MNO - WB & EB Cable Containment Installation + Cable Pulling WVB-CP19
MNO1010	MNO - WB & EB Cable Containment Installation + Cable Pulling at	30	28-Jun-26	27-Jul-26			MNO
MNO1020	MNO - WB & EB Cable Containment Installation + Cable Pulling at	30	28-Jul-26	26-Aug-26			
13 Projectwide Final Works (Cladding & Pavement)							
		192	13-Feb-26 A	23-Aug-26			
Cladding							
		187	13-Feb-26 A	18-Aug-26			
Eastbound							
		106	24-Apr-26 A	07-Aug-26			
Typical Subframe & Cladding							
		106	24-Apr-26 A	07-Aug-26			
EB CPS (include Niche)							
		94	01-May-26	02-Aug-26			
VE10811	VE Panel - EB SUS (CPS) to CP8 Remaining	20	01-May-26	20-May-26	VE Panel - EB SUS (CPS) to CP8 Remaining		
VE10300	VE Panel - EB TSS CP16-20 (CPS)	20	25-May-26	13-Jun-26	VE Panel - EB TSS CP16-20 (CPS)		
VE10781	VE Panel - EB TSS CP20-28 (CPS)	36	28-Jun-26	02-Aug-26	VE Panel - EB TSS CP16-20 (CPS)		
EB NCPS (include Niche)							
		106	24-Apr-26 A	07-Aug-26			
VE10581	VE Panel - EB SUS to CP8 (NCPS)	55	24-Apr-26 A	17-Jun-26	VE Panel - EB SUS to CP8 (NCPS)		
VE10611	VE Panel - EB TSS CP16-20 (NCPS)	17	18-Jun-26	04-Jul-26			VE Panel - EB TSS CP16-20 (NCPS)
VE10791	VE Panel - EB TSS CP20-28 (NCPS)	34	05-Jul-26	07-Aug-26			
Westbound							
		187	13-Feb-26 A	18-Aug-26			
Typical Subframe & Cladding							
		187	13-Feb-26 A	18-Aug-26			
WB CPS (include Niche)							
		174	13-Feb-26 A	05-Aug-26			
VE10080	VE Panel - WB TSS CP16-20 (CPS)	112	13-Feb-26 A	04-Jun-26	VE Panel - WB TSS CP16-20 (CPS)		
VE10471	VE Panel - WB TSS CP20-24 (CPS)	26	05-Jun-26	30-Jun-26			VE Panel - WB TSS CP20-24 (CPS)
VE10180	VE Panel - WB TSS CP24-EVB (CPS)	26	01-Jul-26	26-Jul-26			VE Panel
VE10022	VE Panel - WB SUS to CP7 (CPS) Remaining	10	27-Jul-26	05-Aug-26			
WB NCPS (include Niche)							
		147	25-Mar-26 A	18-Aug-26			
VE10711	VE Panel - WB SUS to CP8 (NCPS)	107	25-Mar-26 A	09-Jul-26			VE Panel - WB SUS to CP8 (NCPS)
VE10731	VE Panel - WB TSS CP20-24 (NCPS)	20	10-Jul-26*	29-Jul-26			
VE10771	VE Panel - WB TSS CP24-EVB (NCPS)	20	30-Jul-26	18-Aug-26			
Pavement							
		133	13-Apr-26 A	23-Aug-26			
Westbound (SUS to CKL)							
		91	08-May-26	06-Aug-26			
PAV10020	Pavement - WB Initial Layers TSS CP16 to CP25	9	08-May-26*	16-May-26	Pavement - WB Initial Layers TSS CP16 to CP25		
PAV40030	Pavement - WB Initial Layers TSS CP31 - EVB	2	17-May-26*	18-May-26	Pavement - WB Initial Layers TSS CP31 - EVB		
PAV10000	Pavement - WB Initial Layers SUS to LSOC	4	19-May-26	22-May-26	Pavement - WB Initial Layers SUS to LSOC		
PAV40020	Pavement - WB Initial Layers TSS CP25 to 31	9	08-Jun-26*	16-Jun-26	Pavement - WB Initial Layers TSS CP25 to 31		
PAV10010B	Pavement - WB Top Layers SUS to CKL	30	08-Jul-26	06-Aug-26			
Eastbound (SUS to CKL)							
		56	12-Jun-26	06-Aug-26			
PAV10050	Pavement - EB Initial Layers TSS LSOC/CP7 to CP16	9	12-Jun-26	20-Jun-26	Pavement - EB Initial Layers TSS LSOC/CP7 to CP16		
PAV10040	Pavement - EB Initial Layers SUS to LSOC	7	21-Jun-26	20-Jun-26	Pavement - EB Initial Layers SUS to LSOC		
PAV40040	Pavement - EB Initial Layers TSS EVB to CP16 (include Branch T)	11	27-Jun-26*	07-Jul-26	Pavement - EB Initial Layers TSS EVB to CP16 (include		
PAV10040B	Pavement - EB Top Layers SUS to CKL (include Branch Tunnel, S	30	08-Jul-26	06-Aug-26	Pavement - EB Initial Layers TSS EVB to CP16 (include		
AGR & DPR							
		4	21-Jul-26	24-Jul-26			
PAV20000	Pavement - DPR Initial Layers	2	21-Jul-26	22-Jul-26			Pavement - DPR
PAV20010	Pavement - AGR/DPR Top Layers	2	23-Jul-26	24-Jul-26			Pavement - A
TKOLTT Interchange (Top Layer Only)							
		42	13-Apr-26 A	24-May-26			
PAV30000	Pavement - TKOLTT Interchange Top Layer	42	13-Apr-26 A	24-May-26	Pavement - TKOLTT Interchange Top Layer		
Road Marking							
		30	25-Jul-26	23-Aug-26			
PAV40000	Pavement - Final Road Marking for All Areas	30	25-Jul-26	23-Aug-26			
14 Projectwide Testing and Commissioning							
		202	09-Feb-26 A	29-Aug-26			
FS Water							
		90	01-Jun-26	29-Aug-26			
FSW00	FS Water - Final FS Water Pipe Connection (after last parapet ava	9	01-Jun-26	09-Jun-26	FS Water - Final FS Water Pipe Connection (after last parapet available)		
TE210	EB TSS - Window for Final (FS Water) MMEP Connection & Conr	25	05-Jun-26	30-Jun-26	EB TSS - Window for Final (FS Water) MMEP Connection & Connection to		
FSW10	FS Water - WWO 46 - Part IV Submission	0		30-Jun-26*	FS Water - WWO 46 - Part IV Submission		
FSW20	FS Water - WSD Pipeline Inspection	60	01-Jul-26	29-Aug-26			

Activity ID	Activity Name	Dur	Start	Finish	2026				
					May	Jun	Jul		
Early E&M T&C (Level 1-Level 2 Testing)		147	09-Feb-26 A	05-Jul-26					
Westbound (Unfinished scope to be continue in Final T&C)		147	09-Feb-26 A	05-Jul-26					
ETC1000	WB- Tunnel Damper Function Test	147	09-Feb-26 A	05-Jul-26	WB- Tunnel Damper Function Test				
ETC1010	WB- Tunnel Lighting Functional Test	131	25-Feb-26 A	05-Jul-26	WB- Tunnel Lighting Functional Test				
ETC1020	WB- Cable Insulation Test	128	28-Feb-26 A	05-Jul-26	WB- Cable Insulation Test				
ETC1040	WB- AFA System Functional Test	88	09-Apr-26 A	05-Jul-26	WB- AFA System Functional Test				
ETC1050	WB- AQMS/CMCS Point to Point Test	69	28-Apr-26 A	05-Jul-26	WB- AQMS/CMCS Point to Point Test				
ETC1100	WB- Fire Hydrant Pump Functional Test	15	15-Jun-26*	29-Jun-26	WB- Fire Hydrant Pump Functional Test				
Eastbound (Unfinished scope to be continue in Final T&C)		128	28-Feb-26 A	05-Jul-26					
ETC1030	EB- Tunnel Damper Function Test	128	28-Feb-26 A	05-Jul-26	EB- Tunnel Damper Function Test				
ETC1060	EB- Tunnel Lighting Functional Test	65	02-May-26*	05-Jul-26	EB- Tunnel Lighting Functional Test				
ETC1070	EB- AQMS/CMCS Point to Point Test	60	07-May-26*	05-Jul-26	EB- AQMS/CMCS Point to Point Test				
ETC1080	EB- AFA System Functional Test	58	09-May-26*	05-Jul-26	EB- AFA System Functional Test				
ETC1090	EB- Cable Insulation Test	37	30-May-26*	05-Jul-26	EB- Cable Insulation Test				
Final E&M/VAC T&C (Level 1-3 Testing)		87	01-Jun-26	26-Aug-26					
FTC1000	WB - Service Gallery MMEP T&C	21	01-Jun-26	21-Jun-26	WB - Service Gallery MMEP T&C				
FTC1050	TBM Tunnel - Tunnel Air Flow Measurement	52	06-Jul-26	26-Aug-26					
FTC1040	TBM Tunnel - FS AFA and FS Water System Test	52	06-Jul-26*	26-Aug-26					
FTC1010	EB - Service Gallery MMEP T&C	41	16-Jul-26	25-Aug-26					
15 Projectwide Statutory Inspection and Handover		0	19-Jul-26	19-Jul-26					
Incentive Payment Milestones		0	19-Jul-26	19-Jul-26					
IPM0021	M3 - Seawall Reinstatment Area ready for handover to VTC & EB	0	19-Jul-26*	19-Jul-26*	◆ M3 - Seawall Reinstatmen				
Infrastructure Works		106	30-Apr-26 A	14-Aug-26					
10 Lam Chak Street / Kai Hing Road Modification		106	30-Apr-26 A	14-Aug-26					
LCS/KHR Modification (KD-19)		106	30-Apr-26 A	14-Aug-26					
Stage 2 Works - New Roundabout		106	30-Apr-26 A	14-Aug-26					
LCS10028	LCS/KHR - Advanced Drainage Construction	62	30-Apr-26 A	01-Jul-26	LCS/KHR - Advanced Drainage Construction				
LCS10020	LCS / KHR - Site Formation	16	02-Jul-26	17-Jul-26	LCS / KHR - Site Formation				
LCS10025	LCS / KHR - Drainage	28	18-Jul-26	14-Aug-26					

CONTRACT NO. ED/2020/03
TRUNK ROAD T2
TRAFFIC CONTROL SURVEILLANCE SYSTEM AND ASSOCIATED WORKS
OVERALL PROJECT TIMELINE

Appendix III A - Overall Project Timeline

