


Civil Engineering and Development Department

Contract No. ED/2018/04
Trunk Road T2 and Infrastructure Works for
Developments at the Former South Apron
Quarterly Environmental Monitoring and Audit
Report
(under EP-458/2013/C)
February 2024 - April 2024
(Version 1)

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

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Ref.: CEDKTD2EM00_0_0611L.24

9 May 2024

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 (February 2024 to April 2024)

Reference is made to the Environmental Team's submission of the Quarterly EM&A Summary Report for February 2024 to April 2024 (Version 1) certified by the ET Leader and provided to us via email on 8 May 2024.

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 16th Quarterly Environmental Monitoring and Audit (EM&A) Report prepared by the Environmental Team (ET), Cinotech Consultants Ltd., for “Trunk Road T2 and Infrastructure Works at the Former South Apron”. 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 February 2024 to April 2024.

Summary of Main Works Undertaken and Key Measures Implemented

2. 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	February 2024	<ul style="list-style-type: none"> • East Bound – Wall & Crown, OHVD • East Ventilation Building – RC Structure, ABWF • West Bound – Bulkhead Construction, OHVD
		March 2024	<ul style="list-style-type: none"> • East Bound – Wall & Crown • East Ventilation Building – RC Structure, ABWF, E&M • West Bound – Bulkhead Construction, OHVD
		April 2024	<ul style="list-style-type: none"> • East Bound – Wall & Crown • East Ventilation Building – RC Structure, ABWF, E&M • West Bound – Bulkhead Construction, OHVD
ED/2020/03	Trunk Road T2 - Traffic Control And Surveillance System (TCSS) and Associated	February 2024 – April 2024	N/A

	Works ⁽¹⁾		
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(1): No major construction work was undertaken during reporting quarter.

3. 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.
- Use of Quality Powered Mechanical Equipment (QPME) on site.
- Erected the noise barrier on site.

Air Quality

- Regularly watering on site to avoid dust generation.

Landscape and Visual

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

Environmental Monitoring Works

4. 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.
5. 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

Parameter	No. of Exceedance		No. of Exceedance due to Construction Activities of this Project		Action Taken
	Action Level	Limit Level	Action Level	Limit Level	
February 2024					
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
March 2024					
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

Parameter	No. of Exceedance		No. of Exceedance due to Construction Activities of this Project		Action Taken
	Action Level	Limit Level	Action Level	Limit Level	
Landfill Gas	N/A	N/A	N/A	0	N/A
April 2024					
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

6. 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

7. 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

8. 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. The EM&A programme under this Contract is 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 this Contract and corresponding EPs are summarized as follows:

Environmental Permit	Works Description
EP-451/2013 – Trunk Road T2	<u>Trunk Road T2</u> <ul style="list-style-type: none"> • Construction of highway and sub-sea tunnel connecting between Central Kowloon Route and Cha Kwo Ling Tunnel • Western & Eastern Ventilation Buildings
EP-458/2013/C – Tseung Kwan O – Lam Tin Tunnel (TKOLTT) and Associated Works	<u>Cha Kwo Ling Tunnel</u> Construction of Cha Kwo Ling Tunnel from the end of Trunk Road T2 to the TKOLTT at the Eastern Ventilation Building

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 (TKOLTT) 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”).

Purpose of the Report

- 1.6 This is the 16th Quarterly EM&A Summary Report summarizing the EM&A works for the Project in between February 2024 and April 2024.

Project Organizations

- 1.7 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)
- 1.8 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. Wong Chi Wai, Tommy	3842 7111
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	Mr. Roy Leung	6628 2685

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

Construction Activities undertaken during the Report Quarter

1.10 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	February 2024	<ul style="list-style-type: none"> • East Bound – Wall & Crown, OHVD • East Ventilation Building – RC Structure, ABWF • West Bound – Bulkhead Construction, OHVD
		March 2024	<ul style="list-style-type: none"> • East Bound – Wall & Crown • East Ventilation Building – RC Structure, ABWF, E&M • West Bound – Bulkhead Construction, OHVD
		April 2024	<ul style="list-style-type: none"> • East Bound – Wall & Crown • East Ventilation Building – RC Structure, ABWF, E&M • West Bound – Bulkhead Construction, OHVD
ED/2020/03	Trunk Road T2 - Traffic Control And Surveillance System (TCSS) and Associated Works ⁽¹⁾	February 2024 – April 2024	N/A

(1): No major construction work was undertaken during reporting quarter.

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
February 2024	Sunny, Cloudy, Fine
March 2024	Sunny, Cloudy, Fine
April 2024	Sunny, Cloudy, Fine

- 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 were recorded in this reporting quarter and no Limit Level exceedance were recorded in this reporting quarter. The graphical presentations of the noise monitoring results are shown in **Appendix D**.

Water Quality*Groundwater 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.

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

- 4.4 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

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

Summary of Environmental Complaints and Prosecutions

- 4.6 No environmental complaint on this Project was received in the reporting quarter.
- 4.7 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

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

The mitigation measures recommended in the EIA report are considered effective in minimizing environmental impacts.

The Contractor has implemented the recommended mitigation measures except those mitigation measures not applicable at this stage.

Environmental monitoring works were performed in the reporting quarter and all monitoring results were checked and reviewed.

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**.

No environmental complaint was received in the reporting quarter. The details were attached in the **Appendix J**.

No warning, notification of summon and environmental prosecution was received in the reporting quarter. The details were attached in the **Appendix J**.

Recommendations

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:

Air quality:

- 3-sides barriers should be provided when conducting the cement mixing .
- Water spraying should be applied on the unpaved area.
- The valid NRMM label should be displayed on the PMEs.

Noise:

- The noise barriers should be erected properly in the construction site.

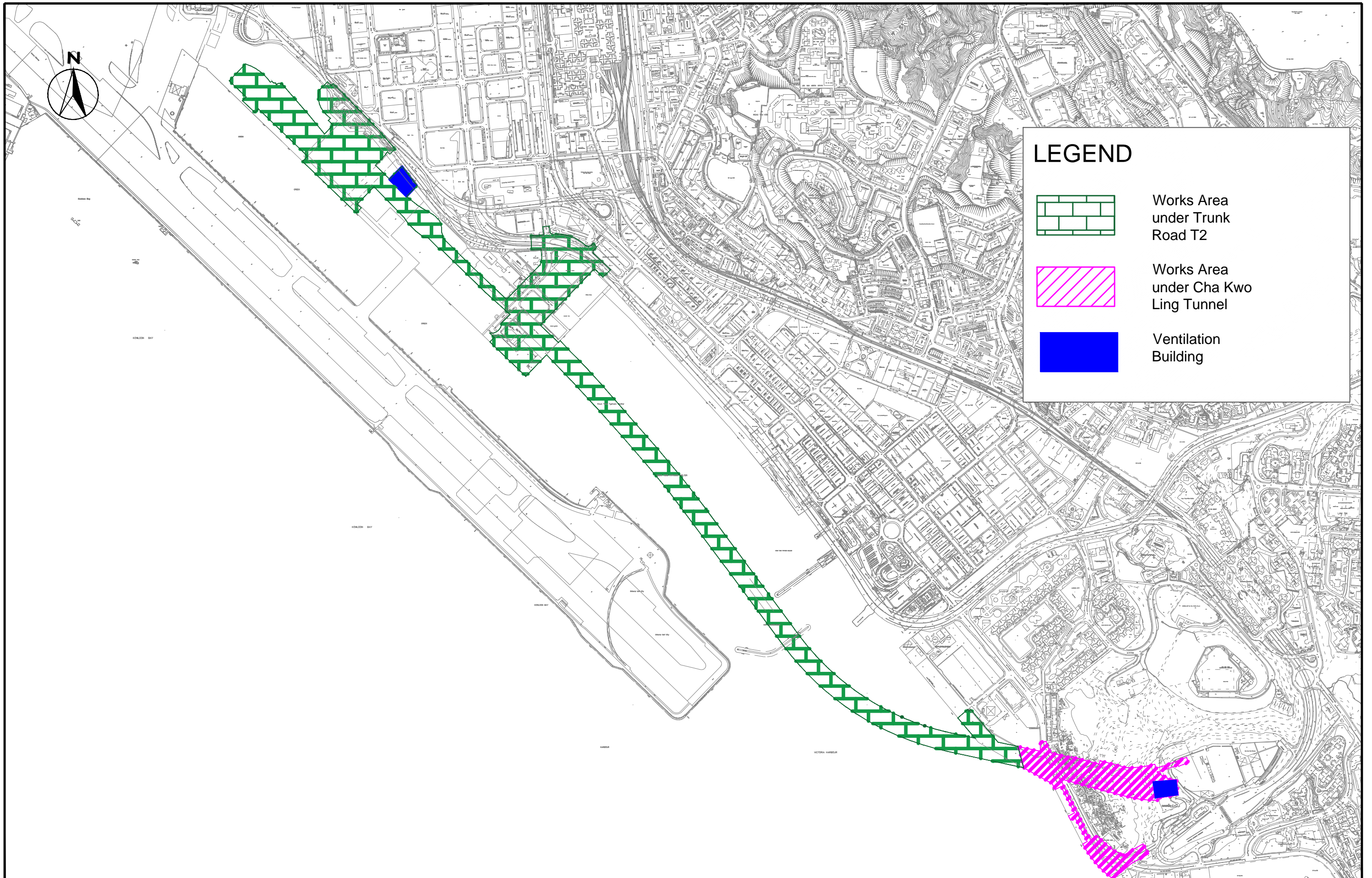
Water quality:

- The stagnant water should be removed regularly and avoid water ponding.


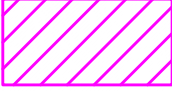

Waste / Chemical Management

- The drip tray should be provided for the chemical container to avoid the chemical leakage.
- The machinery should be checked and maintenance regularly to prevent the oil leakage.
- The site and surrounding should be kept tidy and litter free, remove the waste regularly.

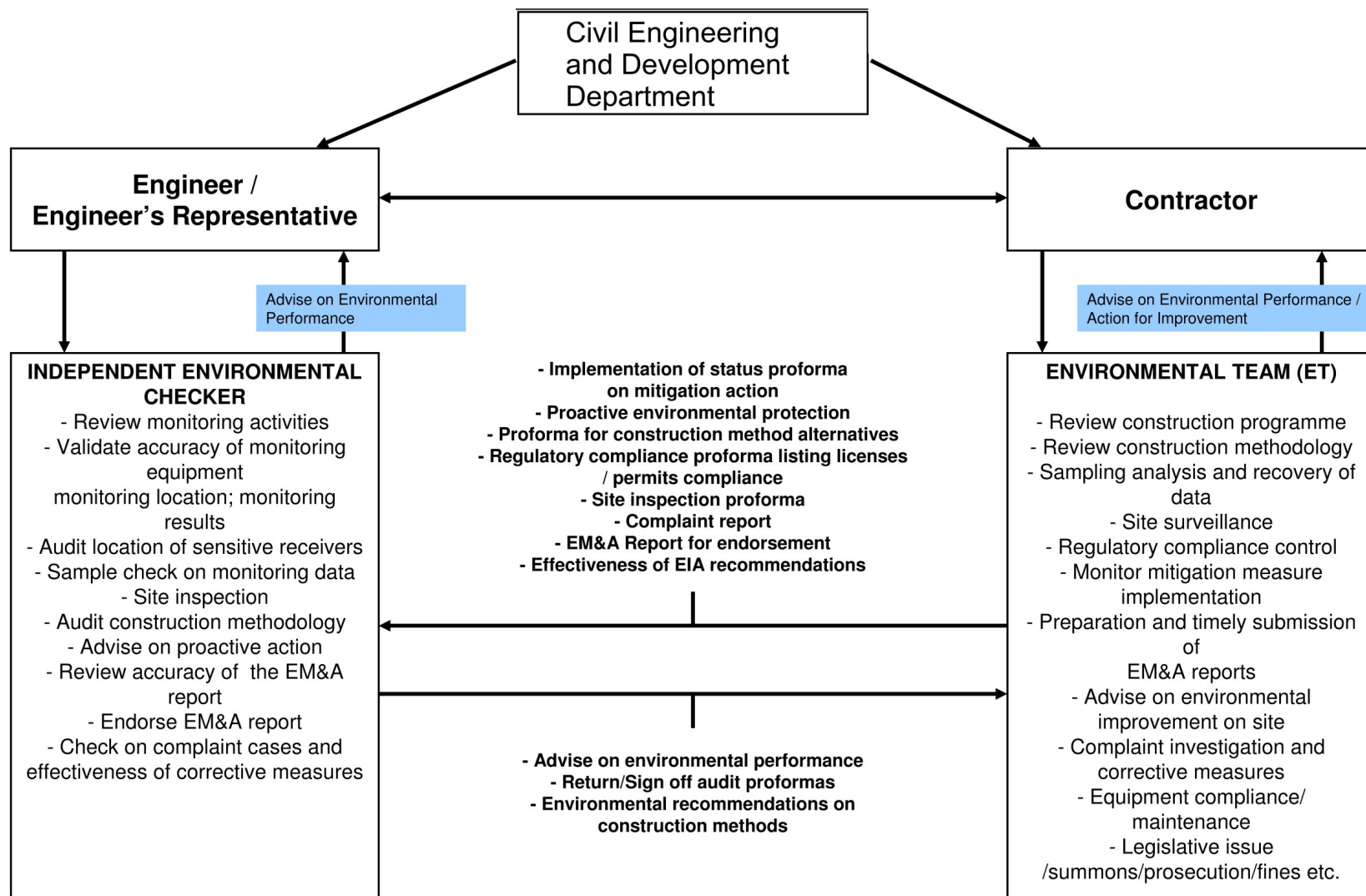
FIGURES



LEGEND

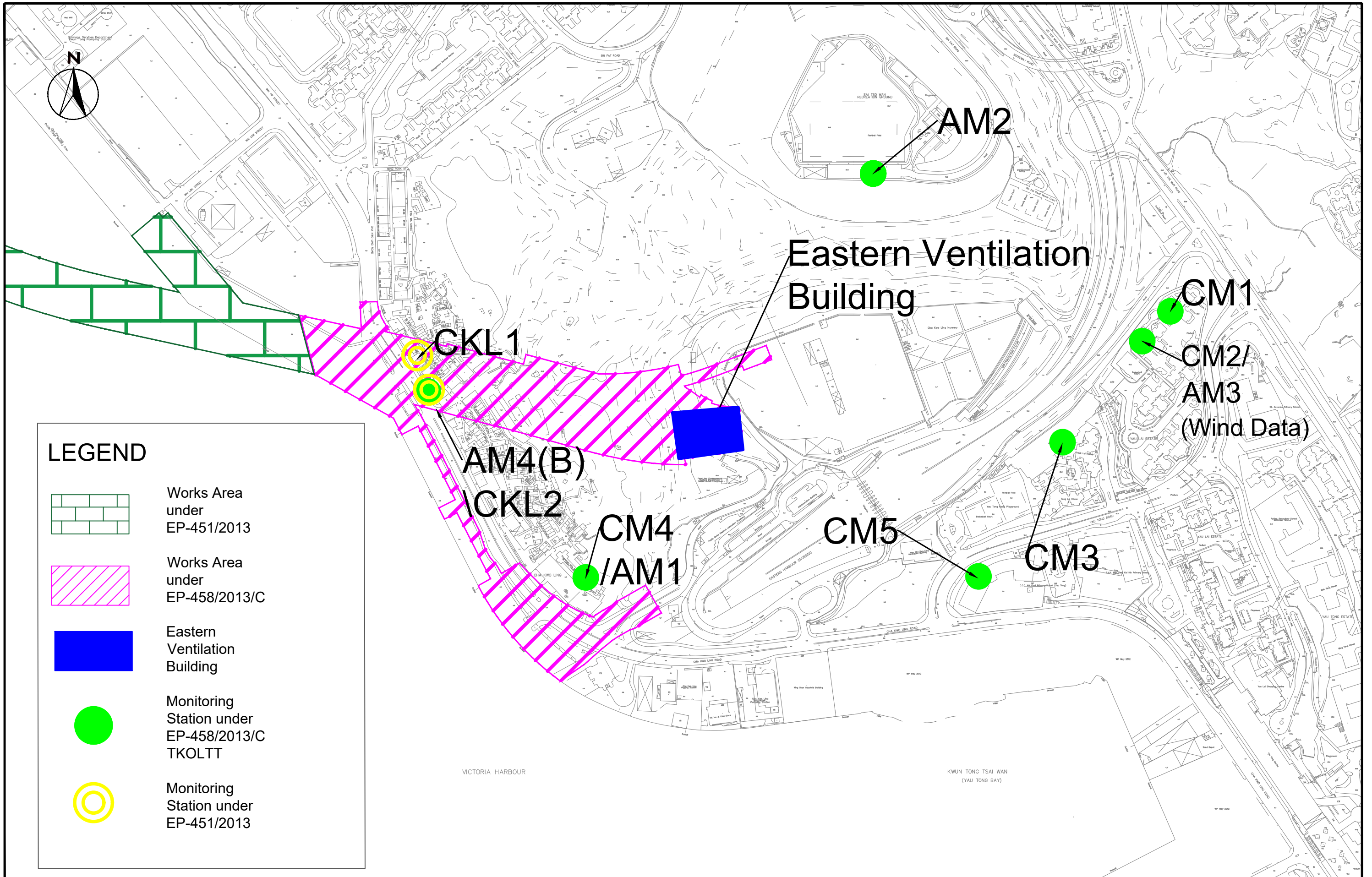
-  Works Area under Trunk Road T2
-  Works Area under Cha Kwo Ling Tunnel
-  Ventilation Building

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PROJECT ORGANISATION AND LINES OF COMMUNICATION			© Copyright reserved		Drawing No.		FIGURE 1.2	
Rev.	Description	Date				Rev.		-



SCALE	1:4000@A3	DATE	Jul 22
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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	<ul style="list-style-type: none"> • AM1 – Tin Hau Temple • AM2 – Sai Tso Wan Recreation Ground • AM3 – Yau Lai Estate Bik Lai House • AM4⁽¹⁾ – Sitting-out Area at Cha Kwo Ling Village • AM4(B)^{(2)(*)(**)} – Flat 103 Cha Kwo Ling Village 	<ul style="list-style-type: none"> • AM1 – Ground Level • AM2 – Ground Level • AM3 – Rooftop (41/F) • AM4⁽¹⁾ – Ground Level • AM4(B)^{(2)(**)} – Ground Level
	24 hour TSP	Once / 6 days		

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).

Detail refer to E.S.8 of this report.

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	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none">• 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⁾

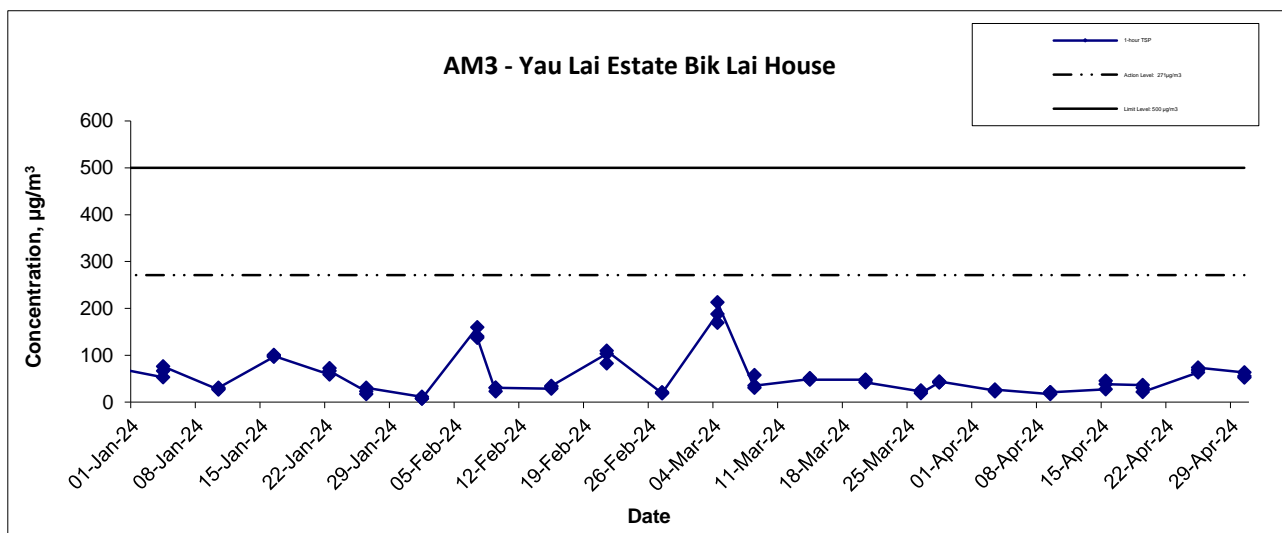
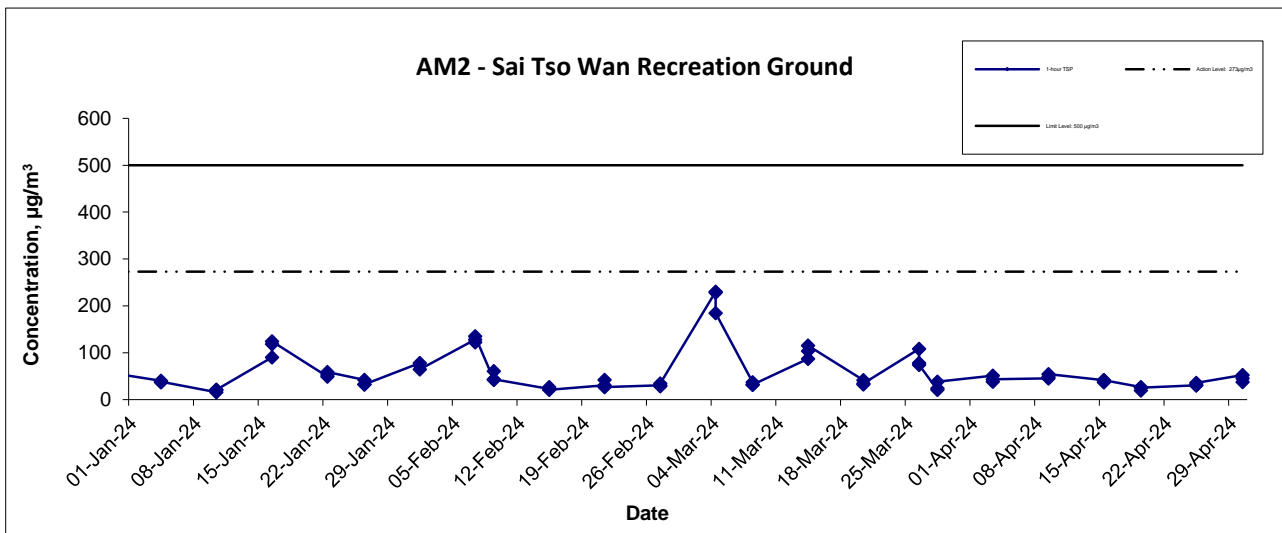
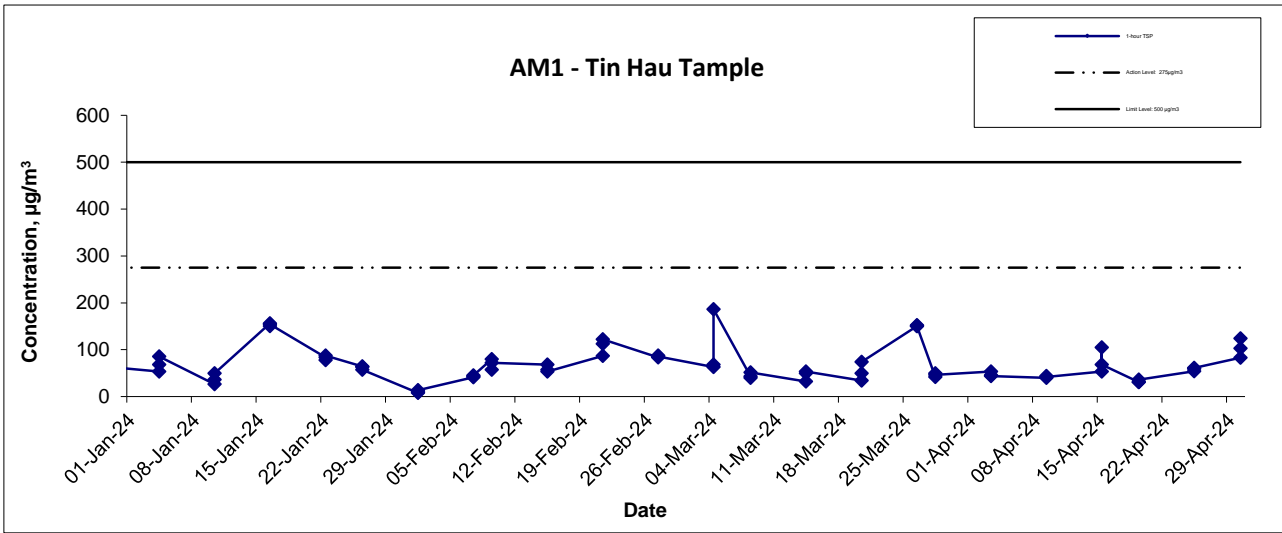
¹ 70 dB(A) for schools and 65 dB(A) for schools during examination period.

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%

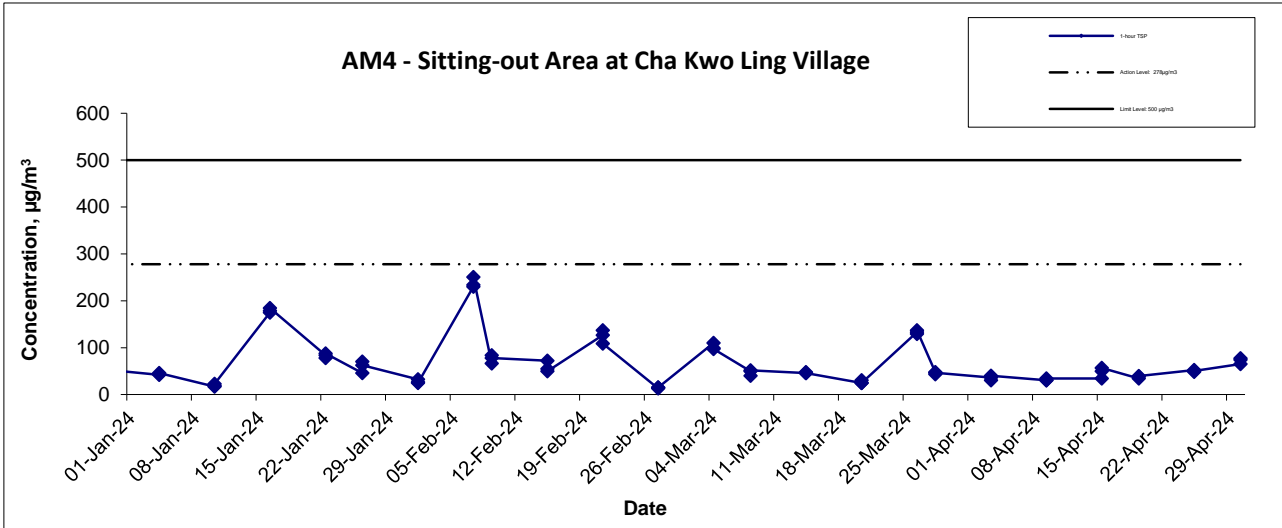
**APPENDIX C
GRAPHICAL PRESENTATION OF AIR
QUALITY MONITORING RESULTS**

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	Project No.	
	Date	Appendix	
	N.T.S	MA20003	C

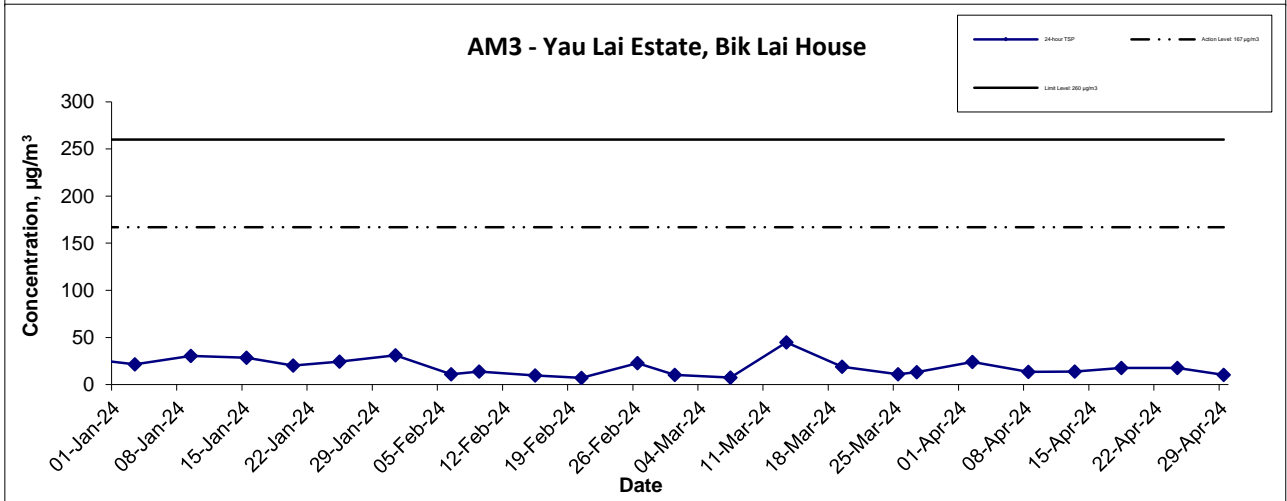
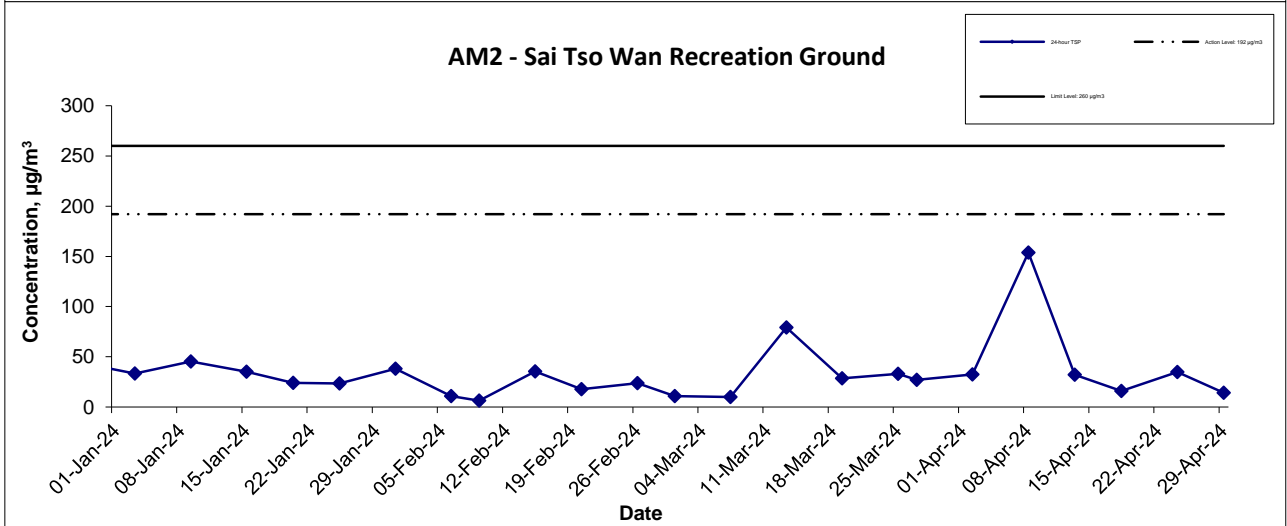
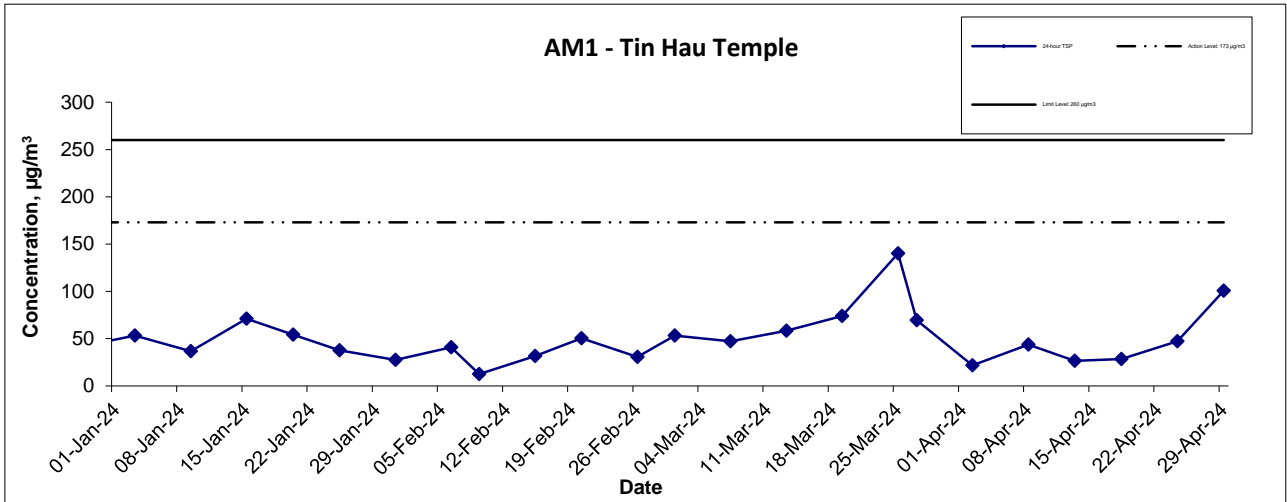
1-hr TSP Concentration Levels



Notes:

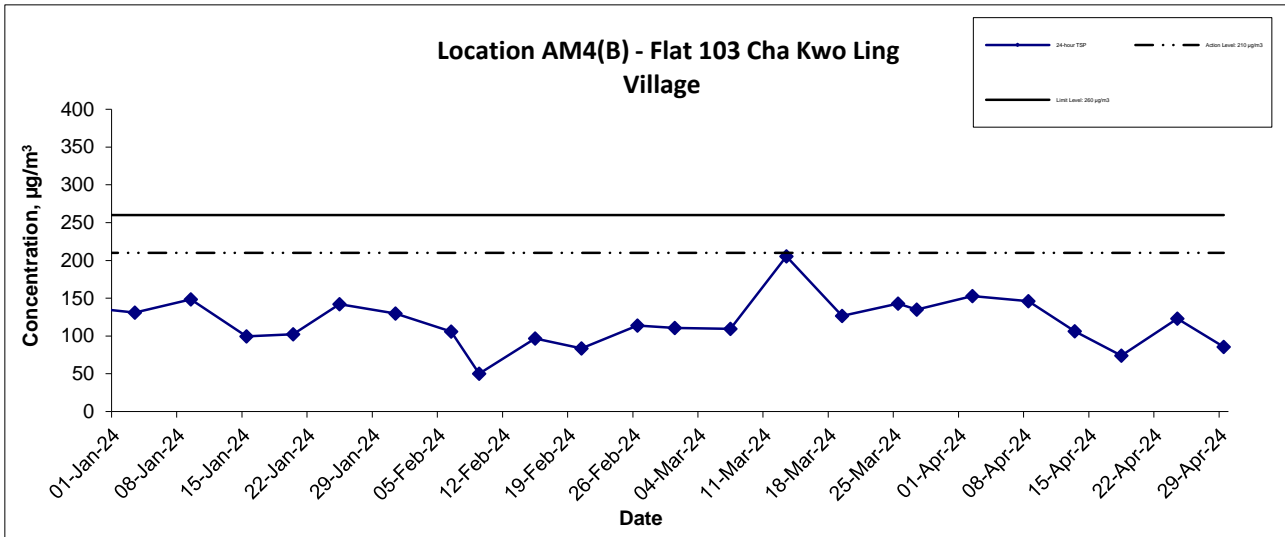
1. The major activitie(s) being carried out on site during the reporting period is/are presented in Section 1.10
2. The weather conditions during the reporting month are presented in Appendix C.
3. Other factors which might affect the monitoring results are presented in Section 3.16.

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	CINOTECH
	Date Apr-24	Appendix C	



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 Apr-24	Appendix C	

24-hr TSP Concentration Levels



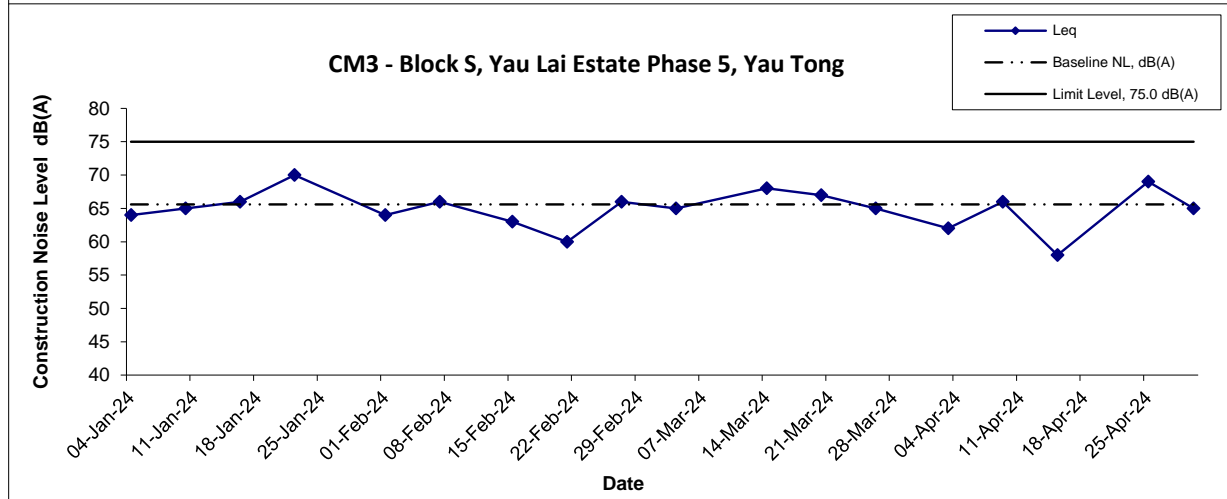
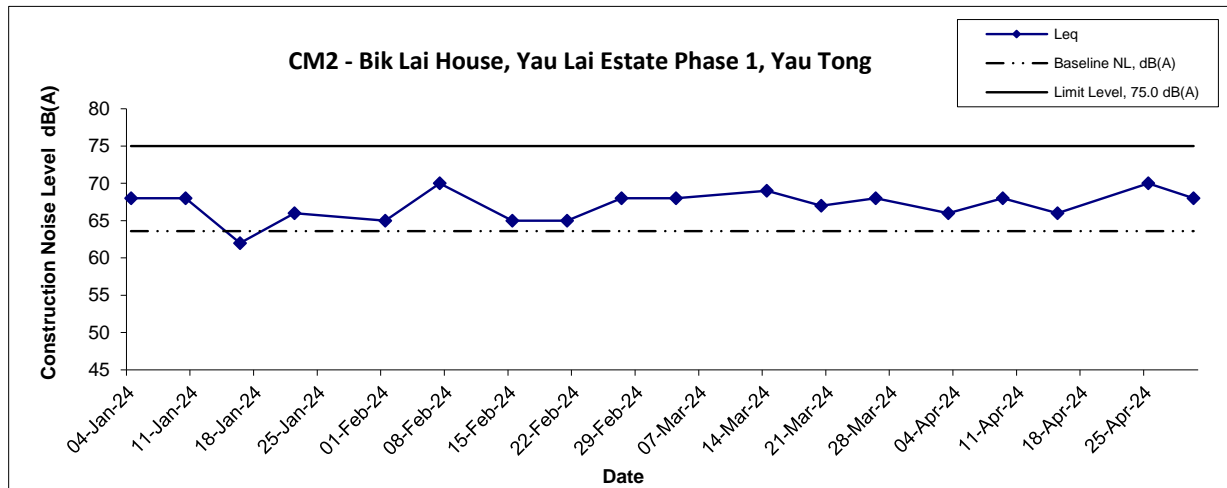
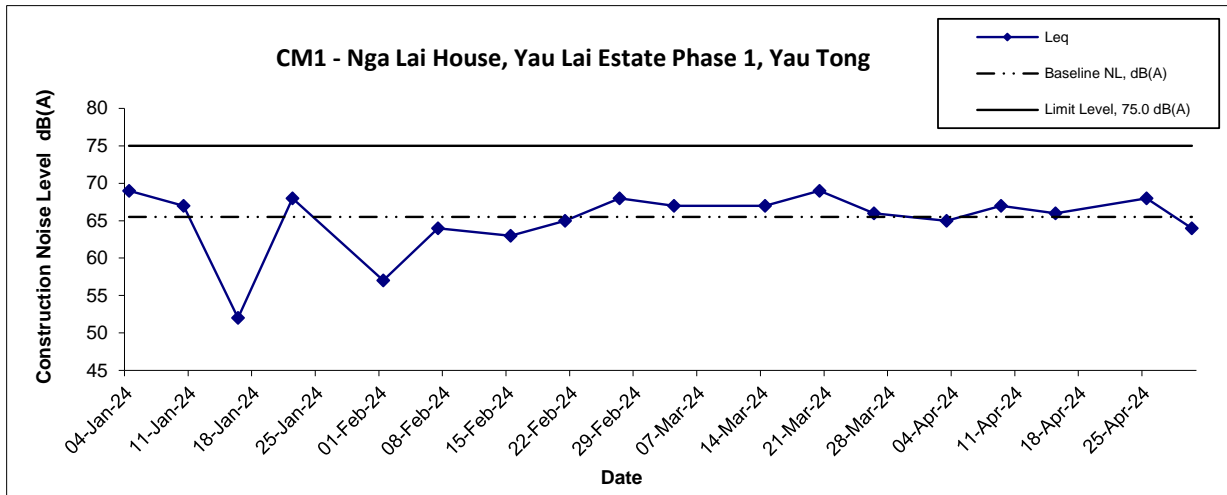
Notes:

- 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	Project	
	Date	Appendix	
	N.T.S	No. MA20003	
	Apr-24	C	

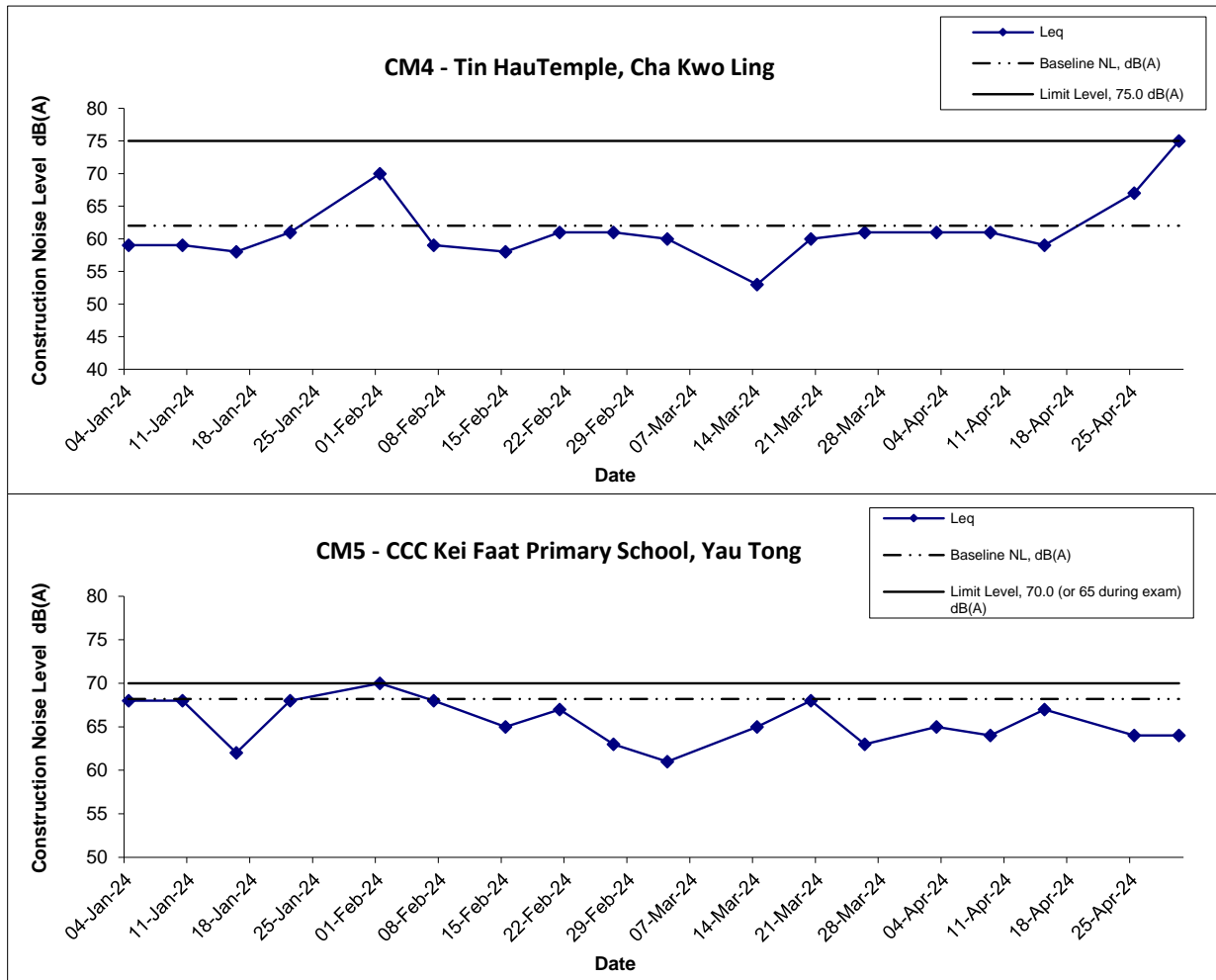
**APPENDIX D
GRAPHICAL PRESENTATION OF
NOISE MONITORING RESULTS**

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	Project	CINOTECH
	N.T.S	No. MA20003	
	Date	Appendix	
	Apr 24	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	Project	
	Date	No.	
	N.T.S	MA20003	
	Apr 24	Appendix D	

APPENDIX F
SITE AUDIT SUMMARY

**Contract No. ED/2018/04
Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron
Quarterly EM&A Report**

Appendix F - Site Audit Summary

February 2024

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>			
No enclosure was observed when conducting cement mixing activities.	22 Feb 2024	✓	Item was rectified on 29 Feb 2024.
<i>Waste / Chemical Management</i>			
The rubbish was accumulated at the site entrance.	29 Feb 2024	#	To be reported in the next reporting month.
<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 F - Site Audit Summary

March 2024

Items	Date	Status*	Follow up Action
Water Quality			
--	--	--	--
Noise			
--	--	--	--
Landscape and Visual			
--	--	--	--
Air Quality			
The stockpile of dusty material on the cement mixing machine was observed.	7 Mar 2024	✓	Item was rectified on 14 Mar 2024.
The NRMM label was damaged.	7 Mar 2024	✓	Item was rectified on 14 Mar 2024.
The NRMM label was damaged.	28 Mar 2024	#	To be reported in the next reporting month.
Waste / Chemical Management			
The rubbish was accumulated at the site entrance	29 Feb 2024	✓	Item was rectified on 7 Mar 2024.
The chemical containers were placed on the floor without tray.	7 Mar 2024	✓	Item was rectified on 14 Mar 2024.
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 rectified by the contractor

Appendix F - Site Audit Summary

April 2024

Items	Date	Status*	Follow up Action
Water Quality			
Stagnant water should be removed to avoid mosquitoes at EVB Basement.	3 Apr 2024	✓	Item was rectified on 11 Apr 2024.
Stagnant water should be removed to avoid mosquitoes at EVB Basement.	11 Apr 2024	✓	Item was rectified on 18 Apr 2024.
Stagnant water should be avoided.	18 Apr 2024	✓	Item was rectified on 25 Apr 2024.
Noise			
Landscape and Visual			
--	--	--	--
Air Quality			
The NRMM label was damaged.	28 Mar 2024	✓	Item was rectified on 4 Apr 2024.
Waste / Chemical Management			
Rubbish was observed near the site entrance.	11 Apr 2024	✓	Item was rectified on 18 Apr 2024.
Rubbish were observed at Portion U.	25 Apr 2024	#	To be reported in the next reporting month.
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 rectified 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	<p>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.</p> <ul style="list-style-type: none"> • 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
/	<p>Emission from Vehicles and Plants</p> <ul style="list-style-type: none"> • 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 (NRMM) 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	<p>Good Site Practice</p> <ul style="list-style-type: none"> Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program Silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program. Mobile plant, if any, should be sited as far away from NSRs as possible. Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum. Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs. Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities. 	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	<ul style="list-style-type: none"> 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	<p>Other good site practices should be undertaken during filling operations include:</p> <ul style="list-style-type: none"> • 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	EIAO-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, EIAOTM, WPCO
ERR S5.6.1	<p>To minimize water quality impact arising from the dredging and filling works for Reclamation for Road P2, the following mitigation measures shall be implemented:</p> <ul style="list-style-type: none"> - 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, EIAOTM, 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, EIAOTM, 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, EIAOTM, 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	<ul style="list-style-type: none"> • use of sediment traps; and 					
S5.8.8	<ul style="list-style-type: none"> • 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

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?
S5.8.15	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

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?
S5.8.17	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, EIAOTM, 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, EIAOTM, 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, EIAOTM, 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, EIAOTM, 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, EIAOTM, 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, EIAOTM, 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	EIAO-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, EIAOTM, 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, EIAOTM, 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 Phas	ProPECC PN 1/94, EIAOTM, 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, EIAOTM, 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 backfall 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, EIAOTM, 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, EIAOTM, 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, EIAOTM, 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, EIAOTM, 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, EIAOTM, 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, EIAOTM, 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, EIAOTM, 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, EIAOTM, 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: <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Use of Quiet Mechanical Plant during the construction phase should be adopted wherever possible. 					

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S6.8.4	<ul style="list-style-type: none"> 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	<p>Standard Good Site Practice</p> <ul style="list-style-type: none"> 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	<p>Measure to Minimize Groundwater Inflow</p> <ul style="list-style-type: none"> 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	<p>Measure to Minimize Impact on Corals</p> <p><u>Coral translocation</u></p> <ul style="list-style-type: none"> 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 AFCDC) before commencement of the coral translocation. All the translocation exercises should be conducted by experienced marine ecologist(s) who is/are approved by AFCDC prior to commencement of coral translocation. <p><u>Post translocation Monitoring</u></p> <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site; Training of site personnel in 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) <ul style="list-style-type: none"> 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	<p>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.</p>	To achieve waste reduction	Contractor	All work sites	Construction Phase	ETWB TCW No. 19/2005

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S8.6.6	<p>Good Site Practices and Waste Reduction Measures (con't)</p> <ul style="list-style-type: none"> 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	<p>Storage, Collection and Transportation of Waste</p> <p>Should any temporary storage or stockpiling of waste is required, recommendations to minimize the impacts include:</p> <ul style="list-style-type: none"> 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	<p>Storage, Collection and Transportation of Waste (con't)</p> <ul style="list-style-type: none"> 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	<p>Storage, Collection and Transportation of Waste (con't)</p> <ul style="list-style-type: none"> 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	<p>Sorting of C&D Materials</p> <ul style="list-style-type: none"> 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
	<p>Sediments (con't)</p> <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> • 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	<p>Sediments (con't)</p> <ul style="list-style-type: none"> 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.					

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S8.6.26/ Waste Management Plan	<ul style="list-style-type: none"> 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	<p>Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes</p> <p>Waste Disposal (Chemical Waste) (General) Regulation</p>

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S8.6.27/ Waste Management Plan	General Refuse <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 - Hydreseeding 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 0100% 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	<p>Safety Measures</p> <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<p>Monitoring</p> <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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 SA 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 (Feb 2024)

- 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	Details of Reminder/Observation	Recorded Date	Status
Air Quality				
S3.8.1	3-sides barriers should be provided when conducting cement mixing activities.	No enclosure was observed when conducting cmenet mixing activities.	22 Feb 2024	✓
Construction Noise Impact				
--	--	--		
Water Quality Impact				
--	--	--		
Ecological Impact				
--	--	--		
Fisheries Impact				
--	--	--		
Waste Management				
S8.6.4	The rubbish should be disposed and removed properly.	The rubbish was accumulated at the site entrance	29 Feb 2024	#
Landscape and Visual Impact				
--	--	--		
Landfill Gas Hazards				
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Table II - Observation / Reminder / Non-compliance made during Site Audit (March 2024)

- 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	Details of Reminder/Observation	Recorded Date	Status
Air Quality				
S3.8.7	The cement mixing machine should be covered when not in used.	The stockpile of dusty material on the cement mixing machine was observed.	7 Mar 2024	✓
--	The valid NRMM label should be displayed on the PMEs	The NRMM label was damaged.	7 Mar 2024	✓
--	The valid NRMM label should be displayed on the PMEs	The NRMM label was damaged.	28 Mar 2024	#
Construction Noise Impact				
--	--	--		
Water Quality Impact				
--	--	--		
Ecological Impact				
--	--	--		
Fisheries Impact				
--	--	--		
Waste Management				
S8.6.4	The rubbish should be disposed and removed properly.	The rubbish was accumulated at the site entrance	29 Feb 2024	✓
S8.6.4	Drip tray should be provided to the chemical containers to prevent chemical leakage.	The chemical containers were placed on the floor without tray.	7 Mar 2024	✓
Landscape and Visual Impact				
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Landfill Gas Hazards				
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Table II - Observation / Reminder / Non-compliance made during Site Audit (April 2024)

- 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	Details of Reminder/Observation	Recorded Date	Status
Air Quality				
--	The valid NRMM label should be displayed onn the PMEs	The NRMM label was damaged.	28 Mar 2024	✓
Construction Noise Impact				
--	--	--		
Water Quality Impact				
S5.8.7	Stagnant water should be removed to avoid mosquitoes at EVB Basement.	Applying the larvicide to the water ponding.	3 Apr 2024	✓
S5.8.7	Stagnant water should be removed to avoid mosquitoes at EVB Basement.	Stagnant water had been removed.	11 Apr 2024	✓
S5.8.7	Stagnant water should be avoided.	The stagnant water had been removed.	18 Apr 2024	✓
Ecological Impact				
--	--	--		
Fisheries Impact				
--	--	--		
Waste Management				
S8.6.4	Rubbish was observed near the site entrance.	The rubbish had been removed.	11 Apr 2024	✓
S8.6.4	Rubbish were observed at Portion U.	The rubbish should be removed regularly.	25 Apr 2024	#
Landscape and Visual Impact				
--	--	--		
Landfill Gas Hazards				
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APPENDIX H
WASTE GENERATED QUANTITY



Name of Department: CEDD

Monthly Summary Waste Flow Table for 2024 (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	2.027	0.000	0.000	0.000	2.027	0.000	0.000	0.000	0.000	19.000	0.054
February	5.666	0.135	0.000	0.000	5.666	0.000	0.000	0.000	0.000	0.000	0.039
March	4.706	0.413	0.000	0.000	4.706	0.000	0.000	0.000	0.000	0.000	0.032
April	7.502	0.176	0.000	0.000	7.502	0.000	0.000	0.000	0.000	0.000	0.042
May											
June											
Sub-total	19.900	0.724	0.000	0.000	19.900	0.000	0.000	0.000	0.000	19.000	0.167
July											
August											
September											
October											
November											
December											
Total	19.900	0.724	0.000	0.000	19.900	0.000	0.000	0.000	0.000	19.000	0.167

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 2024

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)	(in '000m ³)
Jan-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May-24														
Jun-24														
Sub-total														
Jul-24														
Aug-24														
Sep-24														
Oct-24														
Nov-24														
Dec-24														
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**

Contract No. ED/2018/04

Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron

Appendix I – Summary of Exceedance

Reporting Quarter: February 2024 – April 2024

(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**

Contract No. ED/2018/04

Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron

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

Reporting Quarter: February 2024 – April 2024

Log Ref.	Location	Received Date	Details of Complaint/warning/summon and prosecution	Investigation/Mitigation Action	Status
--	--	--	--	--	--

Remarks: No environmental complaint/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	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method. 	<ol style="list-style-type: none"> 1. Notify Contractor. 	<ol style="list-style-type: none"> 1. Rectify any unacceptable practice; 2. Amend working methods if appropriate.
Action level being exceeded by two or more consecutive sampling	<ol style="list-style-type: none"> 1. Identify source; 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; 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by ET; 2. Check Contractor's working method; 3. Discuss with ET and Contractor on possible remedial measures; 4. Advise the ET on the effectiveness of the proposed remedial measures; 5. Supervise Implementation of remedial measures. 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented. 	<ol style="list-style-type: none"> 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
	7. If exceedance continues, arrange meeting with IEC and ER; 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;	1. Discuss amongst ER, ET, and Contractor on the potential remedial actions; 2. Review Contractor's remedial actions whenever necessary to	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to IEC within three working days of notification;

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
	3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 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.	assure their effectiveness and advise the ER accordingly; 3. Supervise the implementation of remedial measures.	remedial measures to be implemented; 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.	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.

Event and Action Plan for Construction Noise

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
Action Level	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Submit noise mitigation proposals to IEC; 2. Implement noise mitigation proposals.
Limit Level	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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%	<ul style="list-style-type: none"> • Ventilate to restore oxygen to >19%
	<18%	<ul style="list-style-type: none"> • Stop works • Evacuate personnel/prohibit entry • Increase ventilation to restore oxygen to >19%
Methane	>10% LEL (i.e. > 0.5% by volume)	<ul style="list-style-type: none"> • Prohibit hot works • Ventilate to restore methane to <10% LEL
	>20% LEL (i.e. > 1% by volume)	<ul style="list-style-type: none"> • Stop works • Evacuate personnel / prohibit entry • Increase ventilation to restore methane to <10% LEL
Carbon Dioxide	>0.5%	<ul style="list-style-type: none"> • Ventilate to restore carbon dioxide to < 0.5%
	>1.5%	<ul style="list-style-type: none"> • Stop works • Evacuate personnel / prohibit entry • Increase ventilation to restore carbon dioxide to <0.5%

APPENDIX L
CONSTRUCTION PROGRAMME

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details	2024				
										Feb 26	Mar 27	Apr 28	May 29	
Trunk Road T2 - Traffic Control & Surveillance System & Associated Works														
Access Dates		88	01-Mar-24	28-May-24	23-May-24	24-Sep-26								
AC1000	Portion 1 - South Apron Up to SUS	0	01-Mar-24		27-May-24									
AC1010	Portion 2 - LSCC, WVB & Adit, EVB	0	01-Mar-24		24-Sep-26									
AC1020	Portion 3 - CKL Branch Tunnel in TKO-LTT Site	0	01-Mar-24		04-Jan-25									
AC1030	Portion 4 - TKO-LTT (LT Interchange)	0	01-Mar-24		23-May-24									
AC1050	Portion 2 - LS - CKL Tunnel CH 6+568 to CH 7+100	0	01-Mar-24		28-Sep-24									
AC1040	Underpass S21	0	04-Apr-24		26-Apr-25									
AC1060	Portion 2 - LS - CKL Tunnel CH 7+100 to CH 7+600	0	13-Apr-24		29-Aug-24									
AC1070	Portion 2 - LS - CKL Tunnel CH 7+600 to CH 8+100	0	28-May-24		15-Oct-24									
Summary by Cost Center		433	01-Mar-24	09-Jan-25	03-Aug-23	31-Oct-26	01-Mar-23							
Cost Center B - Central System		232	01-Mar-24	08-Aug-24	01-Nov-23	14-Mar-25	01-Aug-23							
SC1060	Configuration for Central System	76	01-Mar-24	06-Apr-24	16-Sep-24	16-Sep-24	01-Aug-23		EM1150: SS					
SC1040	FAT Plan Submission & Approval for Central System	81					20-Sep-23	19-Feb-24	DS4300: SS					
SC1050	FAT of Central System	59	01-Mar-24	20-Apr-24	01-Nov-23	30-Sep-24	31-Oct-23		EM1150: FS					
SC1070	SCT Plan Submission & Approval for Central System	84	29-Apr-24	08-Aug-24	02-Dec-24	14-Mar-25			DS2940: SS					
SC1080	Site Installation of Central System	71	29-Apr-24	24-Jul-24	08-Oct-24	17-Feb-25			SW1100: SS, SW1120: SS, SW1960: SS, SW1090: SS, SW1670: SS, SW1770: SS					
Cost Center C - Traffic Control Devices		160	01-Mar-24	30-Jun-24	16-Aug-24	16-Aug-24	15-Jun-23							
SC1170	FAT Plan Submission & Approval for Traffic Control Devices	66					15-Jun-23	07-Feb-24	DS4250: SS, DS8040: SS					
SC1150	Installation Drawing Preparation, Submission & Approval for Traffic Control Devices	72	01-Mar-24	26-Mar-24	16-Aug-24	16-Aug-24	31-Aug-23		DS5890: SS					
SC1190	Equipment Manufacturing & Delivery for Traffic Control Devices	135	01-Mar-24	30-Jun-24	16-Aug-24	16-Aug-24	16-Sep-23		EM1320: SS					
SC1181	FAT of Traffic Control Devices (LED Signage)	0					30-Nov-23	26-Feb-24	EM1321: FS					
Cost Center D - Communication System		206	01-Mar-24	24-Jul-24	01-Mar-24	14-Mar-25	01-Oct-23							
SC1320	Equipment Manufacturing & Delivery for Communication System	104	01-Mar-24	01-Mar-24	15-Sep-24	15-Sep-24	01-Oct-23		EM1040: SS					
SC1310	FAT of Communication System	10	01-Mar-24	12-Mar-24	01-Mar-24	27-Sep-24			EM1040: FS					
SC1340	SCT Plan Submission & Approval for Communication System	84	01-Mar-24	11-Jun-24	24-Oct-24	14-Mar-25			DS3020: SS					
SC1350	SAT Plan Submission & Approval for Communication System	80	15-Mar-24	20-Jun-24	07-Nov-24	13-Feb-25			DS3580: SS					
SC1330	Site Installation of Communication System	66	06-May-24	24-Jul-24	08-Oct-24	17-Feb-25			SW1100: SS, SW1120: SS, SW1960: SS					
Cost Center E - CCTV System		383	01-Mar-24	09-Jan-25	01-Nov-23	31-Oct-26	01-Mar-23							
SC1410	Installation Drawing Preparation, Submission & Approval for CCTV System	99	01-Mar-24	26-Mar-24	31-Oct-26	31-Oct-26	01-Mar-23		DS5970: SS					
SC1450	Equipment Manufacturing & Delivery for CCTV System	89	01-Mar-24	26-Mar-24	03-Aug-24	03-Aug-24	01-Aug-23		EM1050: SS					
SC1440	FAT of CCTV System	96	01-Mar-24	05-Apr-24	01-Nov-23	13-Aug-24	31-Oct-23		EM1050: FS					
SC1430	FAT Plan Submission & Approval for CCTV System	72	01-Mar-24	26-Mar-24	03-Aug-24	03-Aug-24	13-Dec-23		DS4050: SS					
SC1460	SCT Plan Submission & Approval for CCTV System	84	01-Mar-24	11-Jun-24	03-Sep-24	09-Jan-25			DS3060: SS					
SC1480	SAT Plan Submission & Approval for CCTV System	84	27-Apr-24	07-Aug-24	01-Nov-24	12-Feb-25			DS3620: SS					
SC1470	Site Installation of CCTV System	188	28-May-24	09-Jan-25	10-Sep-24	05-Mar-25			SW1060: SS, SW1940: SS					
Cost Center F - PABX System		222	01-Mar-24	28-Jun-24	21-Sep-24	12-Mar-25	27-Jul-23							
SC1560	Installation Drawing Preparation, Submission & Approval for PABX System	68	01-Mar-24	26-Mar-24	08-Oct-24	08-Oct-24	27-Jul-23		DS6010: SS					
SC1580	Equipment Manufacturing & Delivery for PABX System	105	01-Mar-24	18-Mar-24	21-Sep-24	21-Sep-24	01-Aug-23		EM1060: SS					
SC1570	FAT of PABX System	10	19-Mar-24	28-Mar-24	22-Sep-24	01-Oct-24			EM1060: FS					
SC1600	SCT Plan Submission & Approval for PABX System	84	19-Mar-24	28-Jun-24	18-Oct-24	12-Mar-25			DS3100: SS					
Cost Center G - ET System		252	01-Mar-24	31-Aug-24	22-Jun-24	12-Mar-25	01-Aug-23							
SC1710	Equipment Manufacturing & Delivery for ET System	105	01-Mar-24	11-Mar-24	10-Dec-24	10-Dec-24	01-Aug-23		EM1070: SS					
SC1680	FAT Plan Submission & Approval for ET System	72					07-Sep-23	15-Feb-24	DS4150: SS					



GTECH Services (Hong Kong) Limited

■ Remaining Work
 ■ Actual Work
 ■ Critical Activity
 ◆ Milestone

Date	Revision	Checked	Approved
29-Feb-24	Rev. 0	MY	

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details	2024			
										Feb 26	Mar 27	Apr 28	May 29
SC1690	Installation Drawing Preparation, Submission & Approval for ET System	72	01-Mar-24	27-May-24	22-Jun-24	27-Dec-24			DS6050: SS				
SC1700	FAT of ET System	10	12-Mar-24	21-Mar-24	17-Sep-24	20-Dec-24			EM1070: FS				
SC1730	SCT Plan Submission & Approval for ET System	84	12-Mar-24	21-Jun-24	17-Sep-24	11-Jan-25			DS3140: SS				
SC1740	SAT Plan Submission & Approval for ET System	84	24-May-24	31-Aug-24	29-Nov-24	12-Mar-25			DS3700: SS				
Cost Center H - PA System		279	01-Mar-24	04-Sep-24	23-Sep-24	10-Apr-25	01-Aug-23						
SC1840	Equipment Manufacturing & Delivery for PA System	89					01-Aug-23	27-Feb-24	EM1080: SS				
SC1820	Installation Drawing Preparation, Submission & Approval for PA System	72	01-Mar-24	26-Mar-24	23-Sep-24	23-Sep-24	31-Aug-23		DS6090: SS				
SC1830	FAT of PA System	0					26-Feb-24	28-Feb-24	EM1080: FS				
SC1850	SCT Plan Submission & Approval for PA System	84	01-Mar-24	11-Jun-24	03-Oct-24	12-Feb-25			DS3180: SS				
SC1870	SAT Plan Submission & Approval for PA System	84	28-May-24	04-Sep-24	28-Dec-24	10-Apr-25			DS3740: SS				
Cost Center I - Radio System		243	01-Mar-24	04-Sep-24	01-Feb-24	08-Mar-25	01-Aug-23						
SC1970	Equipment Manufacturing & Delivery for Radio System	119	01-Mar-24	14-Mar-24	02-Oct-24	02-Oct-24	01-Aug-23		EM1090: SS				
SC1950	FAT Plan Submission & Approval for Radio System	60	01-Mar-24	14-Mar-24	02-Oct-24	02-Oct-24	28-Dec-23		DS4350: SS				
SC1960	FAT of Radio System	14	01-Mar-24	28-Mar-24	01-Feb-24	16-Oct-24	31-Jan-24		EM1090: FS				
SC1930	Installation Drawing Preparation, Submission & Approval for Radio System	60	01-Mar-24	11-May-24	22-Jul-24	23-Oct-24			DS6130: SS				
SC1980	SCT Plan Submission & Approval for Radio System	84	01-Mar-24	11-Jun-24	27-Aug-24	08-Mar-25			DS3220: SS				
SC2000	SAT Plan Submission & Approval for Radio System	84	28-May-24	04-Sep-24	22-Nov-24	05-Mar-25			DS3780: SS				
Cost Center J - Detection System		176	01-Mar-24	11-Jun-24	01-Nov-23	31-Oct-26	24-May-23						
SC2060	Installation Drawing Preparation, Submission & Approval for Detection System	124	01-Mar-24	12-Mar-24	31-Oct-26	31-Oct-26	24-May-23		DS6170: SS				
SC2100	Equipment Manufacturing & Delivery for Detection System	90	01-Mar-24	20-May-24	30-Jul-24	30-Jul-24	01-Aug-23		EM1100: SS				
SC2090	FAT of Detection System	87	01-Mar-24	03-Jun-24	01-Nov-23	13-Aug-24	31-Oct-23		EM1100: FS				
SC2080	FAT Plan Submission & Approval for Detection System	66	01-Mar-24	20-May-24	11-May-24	30-Jul-24			DS4450: SS				
SC2110	SCT Plan Submission & Approval for Detection System	84	01-Mar-24	11-Jun-24	09-Sep-24	17-Jan-25			DS3260: SS				
Cost Center K - Manual Fallback System		238	01-Mar-24	15-Aug-24	09-Sep-24	14-Mar-25	01-Aug-23						
SC2220	FAT of Manual Fallback System	60	01-Mar-24	30-Mar-24	09-Sep-24	09-Sep-24	01-Aug-23		EM1640: SS				
SC2190	Installation Drawing Preparation, Submission & Approval for Manual Fallback System	60	01-Mar-24	26-Mar-24	08-Jan-25	08-Jan-25	31-Aug-23		DS6210: SS				
SC2210	FAT Plan Submission & Approval for Manual Fallback System	72					20-Sep-23	15-Feb-24	DS4750: SS				
SC2200	Post FAT Configuration for Manual Fallback System	90	31-Mar-24	28-Jun-24	10-Sep-24	08-Jan-25			EM1540: FS				
SC2250	SCT Plan Submission & Approval for Manual Fallback System	84	08-Apr-24	18-Jul-24	17-Sep-24	14-Mar-25			DS3300: SS				
SC2270	SAT Plan Submission & Approval for Manual Fallback System	84	07-May-24	15-Aug-24	18-Oct-24	25-Jan-25			DS3860: SS				
Cost Center L - Speed Enforcement System		108	01-Mar-24	10-Jul-24	23-Sep-24	11-Apr-25							
SC2340	Installation Drawing Preparation, Submission & Approval for Speed Enforcement System	60	01-Mar-24	11-May-24	23-Sep-24	01-Mar-25			DS6290: SS				
SC2370	SCT Plan Submission & Approval for Speed Enforcement System	84	01-Mar-24	11-Jun-24	30-Nov-24	22-Mar-25			DS3380: SS				
SC2380	Reliability Test Plan Submission & Approval for Speed Enforcement System	84	29-Mar-24	10-Jul-24	30-Dec-24	11-Apr-25			DS3940: SS				
Cost Center M - Power Distribution System		160	01-Mar-24	31-May-24	28-Sep-23	12-Aug-24	30-Aug-23						
SC2460	Installation Drawing Preparation, Submission & Approval for Power Distribution System	60	01-Mar-24	26-Mar-24	27-Jun-24	27-Jun-24	30-Aug-23		DS6370: SS				
SC2470	Equipment Manufacturing & Delivery for Power Distribution System	98	01-Mar-24	31-May-24	28-Sep-23	12-Aug-24	27-Sep-23		DS2592: FS				
Cost Center N - Government Optical Fibre System		233	01-Mar-24	31-May-24	03-Aug-23	19-Nov-24	02-Aug-23						
SC2560	Equipment Manufacturing & Delivery for Government Optical Fibre System	111	01-Mar-24	31-May-24	03-Aug-23	19-Nov-24	02-Aug-23		DS2650: FS 200				
SC2550	Installation Drawing Preparation, Submission & Approval for Government Optical Fibre System	60	01-Mar-24	11-May-24	07-Sep-24	19-Nov-24			DS6330: SS				
Operation Facilities		99	01-Mar-24	21-Aug-24	22-May-24	20-Jan-25	01-Aug-23						
SC2660	FAT of Operation Facilities	78	01-Mar-24	21-Aug-24	31-Aug-24	31-Aug-24	01-Aug-23		EM1560: SS				
SC2630	Installation Drawing Preparation, Submission & Approval for Operation Facilities	60	01-Mar-24	11-May-24	09-Nov-24	20-Jan-25			DS6250: SS				

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details	2024			
										Feb 26	Mar 27	Apr 28	May 29
SC2650	FAT Plan Submission & Approval for Operation Facilities	81	01-Mar-24	06-Jun-24	22-May-24	26-Aug-24			DS4600: SS				
Design & Submissions		278	01-Mar-24	16-Aug-24	11-Mar-24	25-Jun-25	29-Aug-23						
FSP Submissions (42 Working Days after Commencement of FSP)		278	01-Mar-24	16-Aug-24	11-Mar-24	25-Jun-25	29-Aug-23						
FSP Batch 1 Submission		278	01-Mar-24	16-Aug-24	11-Mar-24	25-Jun-25	29-Aug-23						
Central System		278	01-Mar-24	16-Aug-24	11-Mar-24	25-Jun-25	29-Aug-23						
Traffic Plan Review & Combine		140	01-Mar-24	16-Aug-24	11-Mar-24	26-Aug-24							
DS7300	Traffic Plan Review & Combine Workshop	140	01-Mar-24	16-Aug-24	11-Mar-24	26-Aug-24			DS1830: FS 22				
IT Security Risk Assessment Plan		30	01-Mar-24	01-Mar-24	25-Jun-25	25-Jun-25	29-Aug-23						
DS7440	Approval on IT Security Risk Assessment Plan	30	01-Mar-24	01-Mar-24	25-Jun-25	25-Jun-25	29-Aug-23		DS7430: FS				
Interface Coordination & Integration with Other Parties		96	01-Mar-24	25-Jun-24	08-Apr-24	14-Sep-26							
Interfacing Coordination with CKR (KTE)		73	01-Mar-24	28-May-24	17-Jun-26	11-Sep-26							
Detail Interfacing Management Plan (DIMP)		73	01-Mar-24	28-May-24	17-Jun-26	11-Sep-26							
DS6610	Prepare & Submit DIMP with CKR (KTE)	73	01-Mar-24	28-May-24	17-Jun-26	11-Sep-26			DS6600: FS 96				
Interfacing Coordination with CKR (BEM)		73	01-Mar-24	28-May-24	17-Jun-26	11-Sep-26							
Detail Interfacing Management Plan (DIMP)		73	01-Mar-24	28-May-24	17-Jun-26	11-Sep-26							
DS6690	Prepare & Submit DIMP with CKR (BEM)	73	01-Mar-24	28-May-24	17-Jun-26	11-Sep-26			DS6600: FS 96				
Interfacing Coordination with TKO-LTT (Civil)		76	01-Mar-24	31-May-24	12-Jun-26	10-Sep-26							
Detail Interfacing Management Plan (DIMP)		76	01-Mar-24	31-May-24	12-Jun-26	10-Sep-26							
DS6770	Prepare & Submit DIMP with TKO-LTT (Civil)	76	01-Mar-24	31-May-24	12-Jun-26	10-Sep-26			DS6760: FS 96				
Interfacing Coordination with TKO-LTT (TCSS)		76	01-Mar-24	31-May-24	16-Jun-26	14-Sep-26							
Detail Interfacing Management Plan (DIMP)		76	01-Mar-24	31-May-24	16-Jun-26	14-Sep-26							
DS6850	Prepare & Submit DIMP with TKO-LTT (TCSS)	76	01-Mar-24	31-May-24	16-Jun-26	14-Sep-26			DS6840: FS 108				
Interfacing Coordination with T2		96	01-Mar-24	25-Jun-24	08-Apr-24	01-Aug-24							
Preliminary Interfacing Management Plan (PIMP)		72	01-Mar-24	27-May-24	08-Apr-24	04-Jul-24							
DS6890	Prepare & Submit PIMP with T2	24	01-Mar-24	28-Mar-24	08-Apr-24	06-May-24			DS2680: FS 211				
DS6900	Comment on PIMP with T2	24	29-Mar-24	26-Apr-24	07-May-24	04-Jun-24			DS6890: FS				
DS6910	Resubmit PIMP with T2	12	27-Apr-24	11-May-24	05-Jun-24	19-Jun-24			DS6900: FS				
DS6920	Approval of PIMP with T2	12	13-May-24	27-May-24	20-Jun-24	04-Jul-24			DS6910: FS				
Detail Interfacing Management Plan (DIMP)		24	28-May-24	25-Jun-24	05-Jul-24	01-Aug-24							
DS6930	Prepare & Submit DIMP with T2	24	28-May-24	25-Jun-24	05-Jul-24	01-Aug-24			DS6920: FS				
Drawing & Installation Method Statement Submissions		162	01-Mar-24	08-Jun-24	06-Apr-24	31-Oct-26	10-Aug-23						
Installation Drawing Submission		159	01-Mar-24	05-Jun-24	06-Apr-24	31-Oct-26	08-Sep-23						
DS2695	Prepare & Submit Schedule of Installation Drawing	30	01-Mar-24	05-Apr-24	06-Apr-24	11-May-24			DS1050: FS 103				
DS2705	Approval of Schedule of Installation Drawing	50	06-Apr-24	05-Jun-24	13-May-24	12-Jul-24			DS2695: FS				
Traffic Control Devices		99	01-Mar-24	26-Mar-24	23-Jul-24	16-Aug-24	07-Oct-23						
DS5910	Resubmit Installation Drawing for Traffic Control Devices	12	01-Mar-24	12-Mar-24	23-Jul-24	02-Aug-24	07-Oct-23		DS5900: FS				
DS5920	Approval of Installation Drawing for Traffic Control Devices	12	13-Mar-24	26-Mar-24	03-Aug-24	16-Aug-24			DS5910: FS, SC1150: FF				
CCTV System		32	01-Mar-24	26-Mar-24	06-Oct-26	31-Oct-26	13-Dec-23						
DS8020	Resubmit Installation Drawing for CCTV System	26	01-Mar-24	12-Mar-24	06-Oct-26	16-Oct-26	13-Dec-23		DS8010: FS				
DS8030	Approval of Installation Drawing for CCTV System	12	13-Mar-24	26-Mar-24	17-Oct-26	31-Oct-26			DS8020: FS, SC1410: FF				
PABX System		101	01-Mar-24	26-Mar-24	11-Sep-24	08-Oct-24	08-Sep-23						
DS6030	Resubmit Installation Drawing for PABX System	12	01-Mar-24	12-Mar-24	11-Sep-24	23-Sep-24	08-Sep-23		DS6020: FS				
DS6040	Approval of Installation Drawing for PABX System	12	13-Mar-24	26-Mar-24	24-Sep-24	08-Oct-24			DS6030: FS, SC1560: FF				
ET System		72	01-Mar-24	27-May-24	22-Jun-24	27-Dec-24							
DS6050	Prepare & Submit Installation Drawing for ET System	24	01-Mar-24	28-Mar-24	22-Jun-24	20-Jul-24			DS2770: SS 19				
DS6060	Comment on Installation Drawing for ET System	24	29-Mar-24	26-Apr-24	01-Nov-24	28-Nov-24			DS6050: FS				
DS6070	Resubmit Installation Drawing for ET System	12	27-Apr-24	11-May-24	29-Nov-24	12-Dec-24			DS6060: FS				
DS6080	Approval of Installation Drawing for ET System	12	13-May-24	27-May-24	13-Dec-24	27-Dec-24			DS6070: FS, SC1690: FF				
PA System		99	01-Mar-24	26-Mar-24	28-Aug-24	23-Sep-24	12-Oct-23						
DS6110	Resubmit Installation Drawing for PA System	12	01-Mar-24	12-Mar-24	28-Aug-24	07-Sep-24	12-Oct-23		DS6100: FS				
DS6120	Approval of Installation Drawing for PA System	12	13-Mar-24	26-Mar-24	09-Sep-24	23-Sep-24			DS6110: FS, SC1820: FF				
Radio System		60	01-Mar-24	11-May-24	22-Jul-24	23-Oct-24							
DS6130	Prepare & Submit Installation Drawing for Radio System	12	01-Mar-24	14-Mar-24	22-Jul-24	03-Aug-24			DS2154: FS				
DS6140	Comment on Installation Drawing for Radio System	24	15-Mar-24	12-Apr-24	26-Aug-24	23-Sep-24			DS6130: FS				



■ Remaining Work ◆ Milestone
■ Actual Work
■ Critical Activity

Date	Revision	Checked	Approved
29-Feb-24	Rev. 0	MY	

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details	2024			
										Feb 26	Mar 27	Apr 28	May 29
DS6150	Resubmit Installation Drawing for Radio System	12	13-Apr-24	26-Apr-24	24-Sep-24	08-Oct-24			DS6140: FS				
DS6160	Approval of Installation Drawing for Radio System	12	27-Apr-24	11-May-24	09-Oct-24	23-Oct-24			DS6150: FS, SC1930: FF				
Detection System		12	01-Mar-24	12-Mar-24	21-Oct-26	31-Oct-26	26-Nov-23						
DS6200	Approval of Installation Drawing for Detection System	12	01-Mar-24	12-Mar-24	21-Oct-26	31-Oct-26	26-Nov-23		DS6190: FS, SC2060: FF				
Manual Fallback Control System		16	01-Mar-24	26-Mar-24	12-Dec-24	08-Jan-25	07-Oct-23						
DS6230	Resubmit Installation Drawing for Manual Fallback Control System	12	01-Mar-24	12-Mar-24	12-Dec-24	23-Dec-24	07-Oct-23		DS6220: FS				
DS6240	Approval of Installation Drawing for Manual Fallback Control System	12	13-Mar-24	26-Mar-24	24-Dec-24	08-Jan-25			DS6230: FS, SC2190: FF				
Operation Facility		60	01-Mar-24	11-May-24	09-Nov-24	20-Jan-25							
DS6250	Prepare & Submit Installation Drawing for Operation Facility	12	01-Mar-24	14-Mar-24	09-Nov-24	22-Nov-24			DS2532: FS				
DS6260	Comment on Installation Drawing for Operation Facility	24	15-Mar-24	12-Apr-24	23-Nov-24	20-Dec-24			DS6250: FS				
DS6270	Resubmit Installation Drawing for Operation Facility	12	13-Apr-24	26-Apr-24	21-Dec-24	06-Jan-25			DS6260: FS				
DS6280	Approval of Installation Drawing for Operation Facility	12	27-Apr-24	11-May-24	07-Jan-25	20-Jan-25			DS6270: FS, SC2630: FF				
Speed Enforcement System		60	01-Mar-24	11-May-24	23-Sep-24	01-Mar-25							
DS6290	Prepare & Submit Installation Drawing for Speed Enforcement System	12	01-Mar-24	14-Mar-24	23-Sep-24	07-Oct-24			DS2472: FS				
DS6300	Comment on Installation Drawing for Speed Enforcement System	24	15-Mar-24	12-Apr-24	02-Jan-25	01-Feb-25			DS6290: FS				
DS6310	Resubmit Installation Drawing for Speed Enforcement System	12	13-Apr-24	26-Apr-24	03-Feb-25	15-Feb-25			DS6300: FS				
DS6320	Approval of Installation Drawing for Speed Enforcement System	12	27-Apr-24	11-May-24	17-Feb-25	01-Mar-25			DS6310: FS, SC2340: FF				
Government Optical Fibre System		60	01-Mar-24	11-May-24	07-Sep-24	19-Nov-24							
DS6330	Prepare & Submit Installation Drawing for Government Optical Fibre System	12	01-Mar-24	14-Mar-24	07-Sep-24	21-Sep-24			DS2650: FS, DS2592: SS				
DS6340	Comment on Installation Drawing for Government Optical Fibre System	24	15-Mar-24	12-Apr-24	23-Sep-24	22-Oct-24			DS6330: FS				
DS6350	Resubmit Installation Drawing for Government Optical Fibre System	12	13-Apr-24	26-Apr-24	23-Oct-24	05-Nov-24			DS6340: FS				
DS6360	Approval of Installation Drawing for Government Optical Fibre System	12	27-Apr-24	11-May-24	06-Nov-24	19-Nov-24			DS6350: FS, SC2550: FF				
Power Distribution System		38	01-Mar-24	26-Mar-24	01-Jun-24	27-Jun-24	20-Jan-24						
DS6401	Resubmit Installation Drawing for Power Distribution System	12	01-Mar-24	12-Mar-24	01-Jun-24	13-Jun-24	20-Jan-24		DS6400: FS				
DS6402	Approval of Installation Drawing for Power Distribution System	12	13-Mar-24	26-Mar-24	14-Jun-24	27-Jun-24			DS6401: FS, SC2460: FF				
Installation Method Statement Submission		134	01-Mar-24	08-Jun-24	23-May-24	31-Dec-24	10-Aug-23						
Traffic Control Devices		72	01-Mar-24	27-May-24	23-May-24	16-Aug-24							
DS2780	Prepare & Submit Installation Method Statement for Installation of TCSS Field Equipment	24	01-Mar-24	28-Mar-24	23-May-24	20-Jun-24			DS5890: FS 2				
DS2790	Comment on Installation Method Statement for Installation of TCSS Field Equipment	24	29-Mar-24	26-Apr-24	21-Jun-24	19-Jul-24			DS2780: FS				
DS2800	Resubmit Installation Method Statement for Installation of TCSS Field Equipment	12	27-Apr-24	11-May-24	20-Jul-24	02-Aug-24			DS2790: FS				
DS2810	Approval of Installation Method Statement for Installation of TCSS Field Equipment	12	13-May-24	27-May-24	03-Aug-24	16-Aug-24			DS2800: FS				
CCTV Camera & VD Camera		72	01-Mar-24	27-May-24	27-May-24	20-Aug-24							
DS6410	Prepare & Submit Installation Method Statement for CCTV Camera & VD Camera	24	01-Mar-24	28-Mar-24	27-May-24	24-Jun-24			DS5990: FS, DS6190: FS 2				
DS6420	Comment on Installation Method Statement for CCTV Camera & VD Camera	24	29-Mar-24	26-Apr-24	25-Jun-24	23-Jul-24			DS6410: FS				
DS6430	Resubmit Installation Method Statement for CCTV Camera & VD Camera	12	27-Apr-24	11-May-24	24-Jul-24	06-Aug-24			DS6420: FS				
DS6440	Approval of Installation Method Statement for CCTV Camera & VD Camera	12	13-May-24	27-May-24	07-Aug-24	20-Aug-24			DS6430: FS				
PABX, ET & PA Systems		72	08-Mar-24	03-Jun-24	29-Jun-24	23-Sep-24							
DS6450	Prepare & Submit Installation Method Statement for PABX, ET & PA Systems	24	08-Mar-24	05-Apr-24	29-Jun-24	27-Jul-24			DS6010: FS, DS6050: SS 6, DS6090: FS				
DS6460	Comment on Installation Method Statement for PABX, ET & PA Systems	24	06-Apr-24	04-May-24	29-Jul-24	24-Aug-24			DS6450: FS				

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details	2024			
										Feb 26	Mar 27	Apr 28	May 29
DS6470	Resubmit Installation Method Statement for PABX, ET & PA Systems	12	06-May-24	20-May-24	26-Aug-24	07-Sep-24			DS6460: FS				
DS6480	Approval of Installation Method Statement for PABX, ET & PA Systems	12	21-May-24	03-Jun-24	09-Sep-24	23-Sep-24			DS6470: FS				
Radio System		72	08-Mar-24	03-Jun-24	29-Jul-24	23-Oct-24							
DS6490	Prepare & Submit Installation Method Statement for Radio System	24	08-Mar-24	05-Apr-24	29-Jul-24	24-Aug-24			DS6130: SS 6				
DS6500	Comment on Installation Method Statement for Radio System	24	06-Apr-24	04-May-24	26-Aug-24	23-Sep-24			DS6490: FS				
DS6510	Resubmit Installation Method Statement for Radio System	12	06-May-24	20-May-24	24-Sep-24	08-Oct-24			DS6500: FS				
DS6520	Approval of Installation Method Statement for Radio System	12	21-May-24	03-Jun-24	09-Oct-24	23-Oct-24			DS6510: FS				
Power Distribution System		73	01-Mar-24	26-Mar-24	01-Jun-24	27-Jun-24	10-Aug-23						
DS6550	Resubmit Installation Method Statement for Power Distribution System	6	01-Mar-24	12-Mar-24	01-Jun-24	13-Jun-24	10-Aug-23		DS6540: FS				
DS6560	Approval of Installation Method Statement for Power Distribution System	12	13-Mar-24	26-Mar-24	14-Jun-24	27-Jun-24			DS6550: FS				
SEC System		24	11-May-24	08-Jun-24	03-Dec-24	31-Dec-24							
DS7380	Prepare & Submit Installation Method Statement for SEC System	24	11-May-24	08-Jun-24	03-Dec-24	31-Dec-24			DS6290: FS 47				
Detection System		72	01-Mar-24	27-May-24	27-May-24	20-Aug-24							
DS7470	Prepare & Submit Installation Method Statement for Detection System	24	01-Mar-24	28-Mar-24	27-May-24	24-Jun-24			DS5990: FS, DS6190: FS 2				
DS7480	Comment on Installation Method Statement for Detection System	24	29-Mar-24	26-Apr-24	25-Jun-24	23-Jul-24			DS7470: FS				
DS7490	Resubmit Installation Method Statement for Detection System	12	27-Apr-24	11-May-24	24-Jul-24	06-Aug-24			DS7480: FS				
DS7500	Approval of Installation Method Statement for Detection System	12	13-May-24	27-May-24	07-Aug-24	20-Aug-24			DS7490: FS				
FAT Plan Submissions, Equipment Procurement & Manufacturing		191	01-Mar-24	30-Jun-24	17-Apr-24	18-Oct-26	01-Aug-23						
CCTV System		34	01-Mar-24	12-Apr-24	10-Jul-24	20-Aug-24	12-Jan-24						
FAT Plan Submission		24	01-Mar-24	26-Mar-24	10-Jul-24	03-Aug-24	12-Jan-24						
DS4060	Comment on FAT Plan/ Workshops (System Briefing & Comment Discussion)	24					12-Jan-24	01-Feb-24	DS4050: FS				
DS4070	Resubmission of FAT Plan for CCTV System	12	01-Mar-24	12-Mar-24	10-Jul-24	20-Jul-24	02-Feb-24		DS4060: FS				
DS4080	Approval of FAT Plan for CCTV System	12	13-Mar-24	26-Mar-24	22-Jul-24	03-Aug-24			DS4070: FS, SC1430: FF				
Equipment FAT & Manufacturing		14	27-Mar-24	12-Apr-24	04-Aug-24	20-Aug-24							
EM1480	FAT of CCTV System	10	27-Mar-24	05-Apr-24	04-Aug-24	13-Aug-24			DS4080: FS, SC1440: FF, EM1050: FS, SC1450: FS				
DS4090	Submit CCTV System FAT Test Report	1	12-Apr-24	12-Apr-24	20-Aug-24	20-Aug-24			EM1480: FS 6				
PABX System		122	01-Mar-24	05-Apr-24	04-Sep-24	08-Oct-24	01-Aug-23						
Equipment FAT & Manufacturing		122	01-Mar-24	05-Apr-24	04-Sep-24	08-Oct-24	01-Aug-23						
EM1060	Manufacturing & Delivery of PABX System	105	01-Mar-24	18-Mar-24	04-Sep-24	21-Sep-24	01-Aug-23		DS2750: FS, DS7570: FS				
EM1490	FAT of PABX System	10	19-Mar-24	28-Mar-24	22-Sep-24	01-Oct-24			DS4130: FS, SC1570: FF, EM1060: FS, SC1580: FS				
DS4140	Submit PABX System FAT Test Report	1	05-Apr-24	05-Apr-24	08-Oct-24	08-Oct-24			EM1490: FS 6				
ET System		127	01-Mar-24	28-Mar-24	06-Sep-24	27-Dec-24	01-Aug-23						
FAT Plan Submission		94					02-Nov-23	15-Feb-24					
DS4170	Resubmission of FAT Plan for ET System	12					02-Nov-23	29-Jan-24	DS4160: FS				
DS4180	Approval of FAT Plan for ET System	12					30-Jan-24	15-Feb-24	DS4170: FS, SC1680: FF				
Equipment FAT & Manufacturing		85	01-Mar-24	28-Mar-24	06-Sep-24	27-Dec-24	01-Aug-23						
EM1070	Manufacturing & Delivery of ET System	105	01-Mar-24	11-Mar-24	06-Sep-24	16-Sep-24	01-Aug-23		DS2770: FS 118, DS7580: FS				
EM1500	FAT of ET System	10	12-Mar-24	21-Mar-24	11-Dec-24	20-Dec-24			DS4180: FS, SC1700: FF, EM1070: FS, SC1710: FS				
DS4190	Submit ET System FAT Test Report	1	28-Mar-24	28-Mar-24	27-Dec-24	27-Dec-24			EM1500: FS 6				
PA System		183	01-Mar-24	01-Mar-24	23-Sep-24	23-Sep-24	01-Aug-23						
Equipment FAT & Manufacturing		183	01-Mar-24	01-Mar-24	23-Sep-24	23-Sep-24	01-Aug-23						
EM1080	Manufacturing & Delivery of PA System	89					01-Aug-23	26-Feb-24	DS7590: FS, DS2292: FS				



■ Remaining Work ◆ Milestone
■ Actual Work
■ Critical Activity

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Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details	2024			
										Feb 26	Mar 27	Apr 28	May 29
EM1510	FAT of PA System	14					27-Feb-24	28-Feb-24	SC1830: FF, EM1080: FS, SC1840: FS, DS4232: FS				
DS4240	Submit PA System FAT Test Report	1	01-Mar-24	01-Mar-24	23-Sep-24	23-Sep-24	29-Feb-24		EM1510: FS 6				
Traffic Control Devices		93	01-Mar-24	30-Jun-24	17-Apr-24	16-Aug-24	10-Oct-23						
FAT Plan Submission		74					23-Jan-24	23-Feb-24					
LED Signage		74					23-Jan-24	23-Feb-24					
DS8070	Comment on FAT Plan/ Workshops (System Briefing & Comment Discussion)	12					23-Jan-24	07-Feb-24	DS8060: FS, SC1170: FF				
DS8080	Resubmission of FAT Plan for Traffic Control Devices (LED Signage)	12					08-Feb-24	14-Feb-24	DS8070: FS				
DS8090	Comment on FAT Plan/ Workshops (System Briefing & Comment Discussion)	12					15-Feb-24	20-Feb-24	DS8080: FS				
DS8100	Resubmission of FAT Plan for Traffic Control Devices (LED Signage)	12					20-Feb-24	20-Feb-24	DS8090: FS				
DS8110	Approval of FAT Plan for Traffic Control Devices (LED Signage)	12					21-Feb-24	23-Feb-24	DS8100: FS				
Equipment FAT & Manufacturing		71	01-Mar-24	30-Jun-24	17-Apr-24	16-Aug-24	10-Oct-23						
PVMS		85	01-Mar-24	30-Jun-24	17-Apr-24	16-Aug-24	10-Oct-23						
EM1030	Post-FAT Manufacturing & Delivery of Traffic Control Devices (PVMS)	85	01-Mar-24	30-Jun-24	17-Apr-24	16-Aug-24	10-Oct-23		DS4290: FF, SC1190: FF, EM1460: FS				
LED Signage		71	01-Mar-24	26-May-24	22-May-24	16-Aug-24	26-Feb-24						
EM1461	FAT of Traffic Control Devices (LED Signage)	13	01-Mar-24	01-Mar-24	22-May-24	22-May-24	26-Feb-24		EM1460: FS, EM1320: FS, SC1181: FS, DS8110: FS				
DS4291	Submit Traffic Control Devices FAT Test Report (LED Signage)	1	02-Mar-24	02-Mar-24	23-May-24	23-May-24			EM1461: FS				
EM1650	Post-FAT Manufacturing & Delivery of Traffic Control Devices (LED Signage)	85	03-Mar-24	26-May-24	24-May-24	16-Aug-24			EM1461: FS, SC1190: FF, DS4291: FS				
Central System		50	01-Mar-24	27-Apr-24	12-Aug-24	07-Oct-24	27-Jan-24						
FAT Plan Submission		32	01-Mar-24	06-Apr-24	12-Aug-24	16-Sep-24	27-Jan-24						
DS4330	Comment on FAT Plan/ Workshops (System Briefing & Comment Discussion)	21					27-Jan-24	19-Feb-24	DS4320: FS, SC1040: FF				
DS8120	Resubmission of FAT Plan for Central System	12	01-Mar-24	12-Mar-24	12-Aug-24	22-Aug-24	20-Feb-24		DS4330: FS				
DS8130	Approval of FAT Plan for Central System	21	13-Mar-24	06-Apr-24	23-Aug-24	16-Sep-24			DS8120: FS				
Equipment FAT & Manufacturing		18	07-Apr-24	27-Apr-24	17-Sep-24	07-Oct-24							
EM1580	FAT of Central System	14	07-Apr-24	20-Apr-24	17-Sep-24	30-Sep-24			SC1050: FF, EM1150: FS, SC1060: FS, DS8130: FS				
DS4340	Submit Central System FAT Test Report	1	27-Apr-24	27-Apr-24	07-Oct-24	07-Oct-24			EM1580: FS 6				
Radio System		117	01-Mar-24	05-Apr-24	17-Sep-24	23-Oct-24	01-Aug-23						
FAT Plan Submission		29	01-Mar-24	14-Mar-24	17-Sep-24	02-Oct-24	12-Jan-24						
DS4360	Comment on FAT Plan/ Workshops (System Briefing & Comment Discussion)	24					12-Jan-24	01-Feb-24	DS4350: FS				
DS4370	Resubmission of FAT Plan for Radio System	12					02-Feb-24	29-Feb-24	DS4360: FS				
DS4380	Approval of FAT Plan for Radio System	12	01-Mar-24	14-Mar-24	17-Sep-24	02-Oct-24			DS4370: FS, SC1950: FF				
Equipment FAT & Manufacturing		117	15-Mar-24	05-Apr-24	03-Oct-24	23-Oct-24	01-Aug-23						
EM1090	Manufacturing & Delivery of Radio System	119					01-Aug-23	31-Jan-24	DS2150: FS 122, DS7620: FS, DS2154: FS				
EM1520	FAT of Radio Distribution Network	14	15-Mar-24	28-Mar-24	03-Oct-24	16-Oct-24			EM1090: FS, SC1970: FS, SC1960: FF, DS4380: FS				
EM1610	FAT of Radio O&M (Mobile & Portable)	14	15-Mar-24	28-Mar-24	03-Oct-24	16-Oct-24			EM1090: FS, SC1970: FS, SC1960: FF, DS4380: FS				
DS4390	Submit Radio System FAT Test Report	1	05-Apr-24	05-Apr-24	23-Oct-24	23-Oct-24			EM1610: FS 6, EM1520: FS 6				
Communication System		103	01-Mar-24	20-Mar-24	16-Sep-24	07-Oct-24	01-Oct-23						
Equipment FAT & Manufacturing		103	01-Mar-24	20-Mar-24	16-Sep-24	07-Oct-24	01-Oct-23						
EM1040	Manufacturing & Delivery of Communication System	104					01-Oct-23	29-Feb-24	DS2350: FS 144, DS7630: FS, DS2352: FS				
EM1470	FAT of Communication System	10	01-Mar-24	12-Mar-24	16-Sep-24	27-Sep-24			DS4430: FS, EM1040: FS, SC1310: FF, SC1320: FS				
DS4440	Submit Communication System FAT Test Report	1	20-Mar-24	20-Mar-24	07-Oct-24	07-Oct-24			EM1470: FS 6				

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details	2024			
										Feb 26	Mar 27	Apr 28	May 29
Detection System													
FAT Plan Submission													
DS4450	Submission of Detection System FAT Plan	18	01-Mar-24	21-Mar-24	11-May-24	01-Jun-24			DS2232: FS				
DS4460	Comment on FAT Plan/ Workshops (System Briefing & Comment Discussion)	24	22-Mar-24	19-Apr-24	03-Jun-24	02-Jul-24			DS4450: FS				
DS4470	Resubmission of FAT Plan for Detection System	12	20-Apr-24	04-May-24	03-Jul-24	16-Jul-24			DS4460: FS				
DS4480	Approval of FAT Plan for Detection System	12	06-May-24	20-May-24	17-Jul-24	30-Jul-24			DS4470: FS, SC2080: FF				
Equipment FAT & Manufacturing													
EM1530	FAT of Detection System	14	21-May-24	03-Jun-24	31-Jul-24	13-Aug-24			DS4480: FS, SC2090: FF, EM1100: FS, SC2100: FS				
Power Distribution System													
Equipment Manufacturing													
EM1620	Manufacturing & Delivery of Power Distribution System Equipment	89	01-Mar-24	31-May-24	13-May-24	12-Aug-24	01-Dec-23		SC2470: FF, DS7650: FS, DS2592: FS				
Government Optical Fibre System													
Equipment Manufacturing													
EM1630	Manufacturing & Delivery of Government Optical Fibre System Equipment	105	01-Mar-24	31-May-24	20-Aug-24	19-Nov-24	01-Dec-23		DS2650: FS 200, SC2560: FF, DS7660: FS				
Operation Facilities													
FAT Plan Submission													
DS4600	Submission of Operation Facility FAT Plan	24	01-Mar-24	28-Mar-24	22-May-24	19-Jun-24			DS2532: FS				
DS4610	Comment on FAT Plan/ Workshops (System Briefing & Comment Discussion)	24	29-Mar-24	26-Apr-24	20-Jun-24	18-Jul-24			DS4600: FS				
DS4620	Resubmission of FAT Plan for Operation Facility	12	27-Apr-24	11-May-24	19-Jul-24	01-Aug-24			DS4610: FS				
DS4630	Approval of FAT Plan for Operation Facility	21	13-May-24	06-Jun-24	02-Aug-24	26-Aug-24			DS4620: FS, SC2650: FF				
Speed Enforcement System													
FAT Plan Submission													
DS4670	Submission of SES Bench Test Plan	24	01-Mar-24	28-Mar-24	10-Jul-26	06-Aug-26			DS4650: FS				
DS4690	Comment of SES Bench Test Plan/ Workshops (System Briefing & Comment Discussion)	24	29-Mar-24	26-Apr-24	07-Aug-26	03-Sep-26			DS4670: FS				
DS4710	Resubmission of SES Bench Test Plan	12	27-Apr-24	11-May-24	04-Sep-26	17-Sep-26			DS4690: FS				
DS4720	Approval of SES Bench Test Plan	12	13-May-24	27-May-24	18-Sep-26	03-Oct-26			DS4710: FS				
Equipment FAT & Manufacturing													
EM1600	SEC System Bench Test	14	28-May-24	10-Jun-24	05-Oct-26	18-Oct-26			EM1570: FS 60, DS4720: FS				
Manual Fallback Control System													
FAT Plan Submission													
DS4780	Approval of FAT Plan for Manual Fallback Control System	12					27-Jan-24	15-Feb-24	DS4770: FS, SC2210: FF				
Equipment FAT & Manufacturing													
EM1540	FAT of Manual Fallback Control System	30	01-Mar-24	30-Mar-24	11-Aug-24	09-Sep-24			DS4780: FS, SC2220: FF, EM1640: FS, DS7690: FS				
EM1110	Post-FAT Configuration of Manual Fallback Control System	90	31-Mar-24	28-Jun-24	11-Oct-24	08-Jan-25			EM1540: FS, DS4790: FF, SC2200: FF				
DS4790	Submit Manual Fallback Control System FAT Test Report	1	06-Apr-24	06-Apr-24	16-Sep-24	16-Sep-24			EM1540: FS 6				
SCT Plan Submissions													
Central System													
DS2940	Submission of Central System SCT Plan	24	29-Apr-24	28-May-24	02-Dec-24	30-Dec-24			DS4340: FS				
Communication System													
DS3020	Submission of Communication System SCT Plan	24	01-Mar-24	28-Mar-24	24-Oct-24	20-Nov-24			EM1040: FS				
DS3030	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	29-Mar-24	26-Apr-24	31-Dec-24	28-Jan-25			DS3020: FS				
DS3040	Resubmission of SCT Plan for Communication System	12	27-Apr-24	11-May-24	01-Feb-25	14-Feb-25			DS3030: FS				
DS3050	Approval of SCT Plan for Communication System	24	13-May-24	11-Jun-24	15-Feb-25	14-Mar-25			DS3040: FS, SC1340: FF				
CCTV System													
DS3060	Submission of CCTV System SCT Plan	24	01-Mar-24	28-Mar-24	03-Sep-24	02-Oct-24			EM1050: FS				
DS3070	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	29-Mar-24	26-Apr-24	30-Oct-24	26-Nov-24			DS3060: FS				



GTECH Services (Hong Kong) Limited

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Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details	2024			
										Feb 26	Mar 27	Apr 28	May 29
DS3080	Resubmission of SCT Plan for CCTV System	12	27-Apr-24	11-May-24	27-Nov-24	10-Dec-24			DS3070: FS				
DS3090	Approval of SCT Plan for CCTV System	24	13-May-24	11-Jun-24	11-Dec-24	09-Jan-25			DS3080: FS, SC1460: FF				
PABX System		60	19-Mar-24	30-May-24	18-Oct-24	12-Feb-25							
DS3100	Submission of PABX System SCT Plan	24	19-Mar-24	16-Apr-24	18-Oct-24	14-Nov-24			EM1060: FS				
DS3110	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	17-Apr-24	16-May-24	28-Dec-24	25-Jan-25			DS3100: FS				
DS3120	Resubmission of SCT Plan for PABX System	12	17-May-24	30-May-24	27-Jan-25	12-Feb-25			DS3110: FS				
ET System		84	12-Mar-24	21-Jun-24	17-Sep-24	11-Jan-25							
DS3140	Submission of ET System SCT Plan	24	12-Mar-24	09-Apr-24	17-Sep-24	17-Oct-24			EM1070: FS				
DS3150	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	10-Apr-24	08-May-24	01-Nov-24	28-Nov-24			DS3140: FS				
DS3160	Resubmission of SCT Plan for ET System	12	09-May-24	23-May-24	29-Nov-24	12-Dec-24			DS3150: FS				
DS3170	Approval of SCT Plan for ET System	24	24-May-24	21-Jun-24	13-Dec-24	11-Jan-25			DS3160: FS, SC1730: FF				
PA System		84	01-Mar-24	11-Jun-24	03-Oct-24	12-Feb-25							
DS3180	Submission of PA System SCT Plan	24	01-Mar-24	28-Mar-24	03-Oct-24	31-Oct-24			EM1080: FS				
DS3190	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	29-Mar-24	26-Apr-24	29-Nov-24	27-Dec-24			DS3180: FS				
DS3200	Resubmission of SCT Plan for PA System	12	27-Apr-24	11-May-24	28-Dec-24	11-Jan-25			DS3190: FS				
DS3210	Approval of SCT Plan for PA System	24	13-May-24	11-Jun-24	13-Jan-25	12-Feb-25			DS3200: FS, SC1850: FF				
Radio System		84	01-Mar-24	11-Jun-24	27-Aug-24	08-Mar-25							
DS3220	Submission of Radio System SCT Plan	24	01-Mar-24	28-Mar-24	27-Aug-24	24-Sep-24			EM1090: SS 30				
DS3230	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	29-Mar-24	26-Apr-24	24-Dec-24	22-Jan-25			DS3220: FS				
DS3240	Resubmission of SCT Plan for Radio System	12	27-Apr-24	11-May-24	23-Jan-25	08-Feb-25			DS3230: FS				
DS3250	Approval of SCT Plan for Radio System	24	13-May-24	11-Jun-24	10-Feb-25	08-Mar-25			DS3240: FS, SC1980: FF				
Detection System		84	01-Mar-24	11-Jun-24	09-Sep-24	17-Jan-25							
DS3260	Submission of Detection System SCT Plan	24	01-Mar-24	28-Mar-24	09-Sep-24	08-Oct-24			EM1100: FS				
DS3270	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	29-Mar-24	26-Apr-24	07-Nov-24	04-Dec-24			DS3260: FS				
DS3280	Resubmission of SCT Plan for Detection System	12	27-Apr-24	11-May-24	05-Dec-24	18-Dec-24			DS3270: FS				
DS3290	Approval of SCT Plan for Detection System	24	13-May-24	11-Jun-24	19-Dec-24	17-Jan-25			DS3280: FS, SC2110: FF				
Manual Fallback Control System		48	08-Apr-24	04-Jun-24	17-Sep-24	28-Jan-25							
DS3300	Submission of Manual Fallback Control System SCT Plan	24	08-Apr-24	06-May-24	17-Sep-24	17-Oct-24			DS4790: FS				
DS3310	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	07-May-24	04-Jun-24	31-Dec-24	28-Jan-25			DS3300: FS				
Speed Enforcement System		84	01-Mar-24	11-Jun-24	30-Nov-24	22-Mar-25							
DS3380	Submission of Speed Enforcement System SCT Plan	24	01-Mar-24	28-Mar-24	30-Nov-24	28-Dec-24			EM1130: FS				
DS3390	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	29-Mar-24	26-Apr-24	09-Jan-25	08-Feb-25			DS3380: FS				
DS3400	Resubmission of SCT Plan for Speed Enforcement System	12	27-Apr-24	11-May-24	10-Feb-25	22-Feb-25			DS3390: FS				
DS3410	Approval of SCT Plan for Speed Enforcement System	24	13-May-24	11-Jun-24	24-Feb-25	22-Mar-25			DS3400: FS, SC2370: FF				
SAT Plan Submissions		84	15-Mar-24	25-Jun-24	18-Oct-24	13-Mar-25							
Communication System		80	15-Mar-24	20-Jun-24	07-Nov-24	13-Feb-25							
DS3580	Submission of Communication System SAT Plan	20	15-Mar-24	08-Apr-24	07-Nov-24	29-Nov-24			DS3020: SS 12				
DS3590	Comment on SAT Plan/ Workshops (System Briefing & Comment Discussion)	24	09-Apr-24	07-May-24	30-Nov-24	28-Dec-24			DS3580: FS				
DS3600	Resubmission of SAT Plan for Communication System	12	08-May-24	22-May-24	30-Dec-24	13-Jan-25			DS3590: FS				
DS3610	Approval of SAT Plan for Communication System	24	23-May-24	20-Jun-24	14-Jan-25	13-Feb-25			DS3600: FS, SC1350: FF				
CCTV System		48	27-Apr-24	25-Jun-24	01-Nov-24	27-Dec-24							
DS3620	Submission of CCTV System SAT Plan	24	27-Apr-24	27-May-24	01-Nov-24	28-Nov-24			DS3060: FS 24				
DS3630	Comment on SAT Plan/ Workshops (System Briefing & Comment Discussion)	24	28-May-24	25-Jun-24	29-Nov-24	27-Dec-24			DS3620: FS				
ET System		24	24-May-24	21-Jun-24	29-Nov-24	27-Dec-24							
DS3700	Submission of ET System SAT Plan	24	24-May-24	21-Jun-24	29-Nov-24	27-Dec-24			DS3140: FS 36				
PA System		24	28-May-24	25-Jun-24	28-Dec-24	25-Jan-25							
DS3740	Submission of PA System SAT Plan	24	28-May-24	25-Jun-24	28-Dec-24	25-Jan-25			DS3180: FS 48				

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GTECH Services (Hong Kong) Limited

■ Remaining Work
 ■ Actual Work
 ■ Critical Activity
 ◆ Milestone

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details	2024				
										Feb 26	Mar 27	Apr 28	May 29	
Radio System		24	28-May-24	25-Jun-24	22-Nov-24	19-Dec-24								
DS3780	Submission of Radio System SAT Plan	24	28-May-24	25-Jun-24	22-Nov-24	19-Dec-24			DS3220: FS 48					
Manual Fallback Control System		24	07-May-24	04-Jun-24	18-Oct-24	14-Nov-24								
DS3860	Submission of Manual Fallback Control System SAT Plan	24	07-May-24	04-Jun-24	18-Oct-24	14-Nov-24			DS3300: FS					
Speed Enforcement System		60	29-Mar-24	11-Jun-24	30-Dec-24	13-Mar-25								
DS3940	Submission of Speed Enforcement System Reliability Test Plan	24	29-Mar-24	26-Apr-24	30-Dec-24	27-Jan-25			DS3380: FS					
DS3950	Comment on Reliability Test Plan/ Workshops (System Briefing & Comment Discussion)	24	27-Apr-24	27-May-24	28-Jan-25	27-Feb-25			DS3940: FS					
DS3960	Resubmission of Reliability Test Plan for Speed Enforcement System	12	28-May-24	11-Jun-24	28-Feb-25	13-Mar-25			DS3950: FS					
Training Document & O&M Manual Submission for T2/TKOLTT TCSS		65	20-Apr-24	09-Jul-24	06-May-25	22-Jul-25								
DS3980	Submit Document for System Description	6	20-Apr-24	26-Apr-24	06-May-25	12-May-25			DS3580: SS 30					
DS4010	Submit System Administration Manual	11	27-Apr-24	10-May-24	13-May-25	24-May-25			DS3980: FS					
DS4020	Submit Training Manual	48	11-May-24	09-Jul-24	26-May-25	22-Jul-25			DS4010: FS					
Site Installation and Testing & Commissioning		235	01-Mar-24	09-Dec-24	23-May-24	31-Oct-26								
Installation & Testing Related to Stage 2 of Works		213	27-Mar-24	09-Dec-24	28-Jun-24	31-Oct-26								
Installation		213	27-Mar-24	09-Dec-24	28-Jun-24	31-Oct-26								
Portion 4 - TKO-LTT (LT Interchange)		78	06-Apr-24	10-Jul-24	28-Jun-24	16-Jan-25								
SW1930	Install Cable Containments	48	06-Apr-24	03-Jun-24	28-Jun-24	23-Aug-24			SW1030: FS, DS6560: FS, DS6402: FS					
SW1960	Install Equipment in Kiosk C	12	06-May-24	20-May-24	06-Nov-24	19-Nov-24			SW1050: FS, DS4340: FS, DS4440: FS					
SW1940	Install CCTV Camera	36	28-May-24	10-Jul-24	04-Dec-24	16-Jan-25			SW1040: SS 12, SW1930: SS 12, DS4090: FS, DS6440: FS					
Portion 1 - South Apron Up to SUS		66	06-Apr-24	25-Jun-24	03-Jul-24	17-Sep-24								
SW2000	Install Cable Containments - the 1st Section	48	06-Apr-24	03-Jun-24	03-Jul-24	27-Aug-24			SW1220: FS, SC2480: FF, DS6560: FS, DS6402: FS					
SW2010	Install CCTV Camera	24	28-May-24	25-Jun-24	21-Aug-24	17-Sep-24			SW2000: SS 42, SC1470: FF, DS4090: FS, DS6440: FS					
Portion 2 - Tunnel Section, Service Gallery, WVB & EVB		190	24-Apr-24	09-Dec-24	09-Sep-24	31-Oct-26								
SW2080	Install Cable Containments	190	24-Apr-24	09-Dec-24	09-Sep-24	31-Oct-26			SW2300: SS, SW2400: SS, SW2510: SS, SW2600: SS, SW2720: SS					
Portion 3 - CKL Branch Tunnel in TKO-LTT Site		79	27-Mar-24	02-Jul-24	28-Jan-25	20-Mar-25								
SW2230	Install Cable Containments	36	27-Mar-24	09-May-24	07-Feb-25	20-Mar-25			SW1860: FS, SC2480: FF, DS6560: FS, DS6402: FS					
SW2220	Install CCTV Camera	29	28-May-24	02-Jul-24	28-Jan-25	05-Mar-25			SW1860: SS 12, SC1470: FF, DS4090: FS, DS6440: FS					
Underpass S21		30	05-Apr-24	10-May-24	26-Apr-25	03-Jun-25								
SW2260	Install Cable Containment	14	05-Apr-24	20-Apr-24	26-Apr-25	14-May-25			AC1040: SS, SC2480: FF, DS6560: FS, DS6402: FS					
SW2280	Laying of Leaky Cable	30	05-Apr-24	10-May-24	26-Apr-25	03-Jun-25			SW2260: SS					
SW2290	Laying of Power Cable From TCSS Cabinet in T2 Area	14	13-Apr-24	29-Apr-24	17-May-25	03-Jun-25			SW2260: SS 7					
SW2270	Install YAGI Antenna	7	22-Apr-24	29-Apr-24	26-May-25	03-Jun-25			SW2260: FS					
Portion 4 - TKO-LTT (LT Interchange)		108	01-Mar-24	10-Jul-24	23-May-24	19-Nov-24								
SW1020	Inspect Civil Provisions & Submit Inspection Report	12	01-Mar-24	14-Mar-24	23-May-24	05-Jun-24			AC1030: SS, DS6600: FS, DS6680: FS, DS6760: FS, DS6840: FS					
SW1030	Rectify Civil Provision Defects by Others	18	15-Mar-24	05-Apr-24	06-Jun-24	27-Jun-24			SW1020: FS					
Installation Works		108	01-Mar-24	10-Jul-24	28-Jun-24	19-Nov-24								
SW1040	Install Cable Containments	48	01-Mar-24	26-Apr-24	28-Jun-24	23-Aug-24			DS6400: FS, DS6540: FS					
SW1050	Install Equipment Racks	24	06-Apr-24	04-May-24	07-Sep-24	07-Oct-24			SW1030: FS					
SW1100	Install Server Equipment	36	06-May-24	18-Jun-24	08-Oct-24	19-Nov-24			SW1050: FS, DS4440: FS, DS4340: FS					
SW1120	Install Equipment in Kiosk C	12	06-May-24	20-May-24	06-Nov-24	19-Nov-24			SW1050: FS, DS4340: FS, DS4440: FS					



■ Remaining Work ◆ Milestone
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■ Critical Activity

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Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details	2024			
										Feb 26	Mar 27	Apr 28	May 29
SW1060	Install CCTV Camera	36	28-May-24	10-Jul-24	10-Sep-24	24-Oct-24			SW1040: SS 12, SW1930: SS 12, DS4090: FS, DS6440: FS				
SW1090	Install Video Wall Equipment (Administration Building)	21	28-May-24	21-Jun-24	26-Oct-24	19-Nov-24			SW1040: FS 24, SW1930: SS 24, SC1330: FF, DS4440: FS, DS4340: FS, DS4440: FF				
Portion 1 - South Apron Up to SUS		96	01-Mar-24	25-Jun-24	27-May-24	17-Sep-24							
SW1210	Inspect Civil Provisions & Submit Inspection Report	12	01-Mar-24	14-Mar-24	27-May-24	08-Jun-24			AC1000: SS				
SW1220	Rectify Civil Provision Defects by Others	18	15-Mar-24	05-Apr-24	11-Jun-24	02-Jul-24			SW1210: FS				
Installation Works		66	06-Apr-24	25-Jun-24	03-Jul-24	17-Sep-24							
SW1230	Install Cable Containments - the 1st Section	48	06-Apr-24	03-Jun-24	03-Jul-24	27-Aug-24			SW1220: FS, SC2480: FF, DS6560: FS, DS6402: FS				
SW1240	Install CCTV Camera	24	28-May-24	25-Jun-24	21-Aug-24	17-Sep-24			SW1230: SS 42, SC1470: FF, DS4090: FS, DS6440: FS				
Portion 2 - Tunnel Section, Service Gallery, WVB & EVB		85	01-Mar-24	12-Jun-24	29-Aug-24	31-Oct-26							
Tunnel Section		39	13-Apr-24	30-May-24	29-Aug-24	17-Oct-24							
Tunnel Section - CH 7+100 to CH 7+600		33	13-Apr-24	23-May-24	29-Aug-24	08-Oct-24							
SW2880	Inspect Civil Provisions & Submit Inspection Report	3	13-Apr-24	16-Apr-24	29-Aug-24	31-Aug-24			AC1060: SS				
SW2890	Rectify Civil Provision Defects by Others	6	17-Apr-24	23-Apr-24	02-Sep-24	07-Sep-24			SW2880: FS				
Installation Works		24	24-Apr-24	23-May-24	09-Sep-24	08-Oct-24							
SW2400	Install Cable Containment	24	24-Apr-24	23-May-24	09-Sep-24	08-Oct-24			SC2480: FF, SW2890: FS, DS6560: FS, DS6402: FS				
Tunnel Section - CH 7+600 to CH 8+100		3	28-May-24	30-May-24	15-Oct-24	17-Oct-24							
SW2900	Inspect Civil Provisions & Submit Inspection Report	3	28-May-24	30-May-24	15-Oct-24	17-Oct-24			AC1070: SS				
West Ventilation Building		85	01-Mar-24	12-Jun-24	16-Oct-24	31-Oct-26							
SW1360	Inspect Civil Provisions & Submit Inspection Report	12	01-Mar-24	14-Mar-24	24-Sep-26	09-Oct-26			AC1010: SS, KD1010: FS 359				
SW1370	Rectify Civil Provision Defects by Others	18	15-Mar-24	05-Apr-24	10-Oct-26	31-Oct-26			SW1360: FS				
Installation Works		85	01-Mar-24	12-Jun-24	16-Oct-24	20-Jan-25							
SW1650	Install Cable Containments	24	01-Mar-24	28-Mar-24	16-Oct-24	12-Nov-24			SC2480: FF, DS6400: FS, DS6540: FS				
SW1660	Position Equipment Rack	12	29-Mar-24	12-Apr-24	23-Nov-24	06-Dec-24			SW1650: FS				
SW1670	Install Network Equipment	36	29-Apr-24	12-Jun-24	07-Dec-24	20-Jan-25			SW1660: FS, SC1330: FF, DS4340: FS, DS4440: FS				
East Ventilation Building		85	01-Mar-24	12-Jun-24	16-Oct-24	31-Oct-26							
SW2960	Inspect Civil Provisions & Submit Inspection Report	12	01-Mar-24	14-Mar-24	24-Sep-26	09-Oct-26			AC1010: SS, KD1010: FS				
SW2970	Rectify Civil Provision Defects by Others	18	15-Mar-24	05-Apr-24	10-Oct-26	31-Oct-26			SW2960: FS				
Installation Works		85	01-Mar-24	12-Jun-24	16-Oct-24	20-Jan-25							
SW1750	Install Cable Containments	24	01-Mar-24	28-Mar-24	16-Oct-24	12-Nov-24			SC2480: FF, DS6400: FS, DS6540: FS				
SW1760	Position Equipment Rack	12	29-Mar-24	12-Apr-24	23-Nov-24	06-Dec-24			SW1750: FS				
SW1770	Install Network Equipment	36	29-Apr-24	12-Jun-24	07-Dec-24	20-Jan-25			SW1760: FS, SC1330: FF, DS4340: FS, DS4440: FS				
Portion 3 - CKL Branch Tunnel in TKO-LTT Site		101	01-Mar-24	02-Jul-24	04-Jan-25	14-Mar-25							
SW1850	Inspect Civil Provisions & Submit Inspection Report	3	01-Mar-24	04-Mar-24	04-Jan-25	07-Jan-25			AC1020: SS				
SW1860	Rectify Civil Provision Defects by Others	7	05-Mar-24	12-Mar-24	08-Jan-25	15-Jan-25			SW1850: FS				
Installation Works		79	27-Mar-24	02-Jul-24	16-Jan-25	14-Mar-25							
SW1890	Install Cable Containments	36	27-Mar-24	09-May-24	01-Feb-25	14-Mar-25			SW1860: FS, SC2480: FF, DS6560: FS, DS6402: FS				
SW1870	Install CCTV Camera	29	28-May-24	02-Jul-24	16-Jan-25	21-Feb-25			SW1860: FS, SC1470: FF, DS4090: FS, DS6440: FS				

