Civil Engineering and Development Department

Trunk Road T2

Monthly Environmental Monitoring and Audit Report (under EP-451/2013)

June 2024

(Version 1.1)

Approved By	123
	(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.

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10 July 2024

By Post and Email

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

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

Monthly EM&A Report (June 2024) for EP-451/2013

Reference is made to the Environmental Team's submission of the Monthly EM&A Report for June 2024 (Version 1.1) certified by the ET Leader and provided to us via e-mail on 10 July 2024. We are pleased to inform you that we have no adverse comment on the captioned submission. We write to verify the captioned submission in accordance with Condition 3.4 of EP-451/2013.

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

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EXECUTIVE SUMMARY

Introduction

1. This is the 52nd Environmental Monitoring and Audit (EM&A) Report prepared by the Environmental Team (ET), Cinotech Consultants Ltd., for "Trunk Road T2". This report summarized the monitoring results and audits findings of the EM&A programme under the issued Environmental Permit (EP) No. EP-451/2013 and in accordance with the EM&A Manual (AEIAR-174/2013) during the reporting month of June 2024.

Summary of Main Works Undertaken and Key Measures Implemented

2. The main works of each works contracts undertaken during the reporting period are as follows:

Table I Summary of Key Construction Work in the Reporting Month

Contract No.	Project Title	Site Activities		
ED/2018/04	Trunk Road T2 and Infrastructure Works for Developments at South Apron	 West Ventilation Building RC Structure, ABWF, E&M Launching Shaft / Cut & Cover RC Structure Westbound TBM Tunnelling Eastbound TBM Tunnelling EB Service Gallery Installation WB Service Gallery Installation Eastbound cavern excavation CP Tympanum Construction Cross Passage Finishing Sub-sea Corbel Construction Sub-sea Corbel Construction Sub-sea Road Level Fire Board Sub-sea OHVD Soffit Fire Board Sub-sea OHVD Slab Installation Sub-sea Parapet Installation SUS Remaining Internal Wall SUS Fire Board installation SUS Skin Wall SUS Bracket installation Tunnel Segment delivery MiMEP Module Installation Sub-sea E&M Bracket drilling Sub-sea E&M Bracket drilling Sub-sea E&M installation 		
ED/2020/03	Trunk Road T2 - Traffic Control And Surveillance	 WVB Installation of cable containment FAT for Radio System FAT for CCTV System 		

Notes:

(1): No major construction work was undertaken during reporting month. N/A: Not applicable

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

of Key Mitigation Measures Implemented in the Reporting Month
Key Mitigation Measures Implemented
 Air Quality Water spraying regularly on construction site area to avoid dust generation. Excavated dusty materials were covered by impervious sheets. Noise Air compressor was operated with door closed and have valid noise labels.
 Use of Quality Powered Mechanical Equipment (QPME) Erecting noise barriers on site to minimize noise impact generated from breaking activities.
Water QualityWetSep was constructed to treat the surface runoff prior to discharge.
Landscape and Visual
• Tree protection zone was fenced off to protect the existing tree.
N/A

Table II Summary of Key Mitigation Measures Implemented in the Reporting Month

Notes:

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

N/A: Not applicable

Summary of Exceedances, Investigation and Follow-up

4. Exceedance of Action/Limit levels during the reporting month (June 2024) and the investigation results and/or follow-up actions:

Air Quality Monitoring

• No Action Level exceedance for 24-hour TSP was recorded.

• No Limit Level exceedance for 24-hour TSP was recorded.

Construction Noise Monitoring

- No Limit Level exceedance for day time construction noise was recorded in this reporting month.
- No Action Level exceedance was recorded in this reporting month.

Landscape and Visual Monitoring and Audit

• No non-compliance of the landscape and visual impact was recorded in the reporting month. The implementation of landscape and visual and mitigation measures was checked by a Registered Landscape Architect (RLA) during the environmental site inspections.

Complaint Handling, Prosecution and Public Engagement

Table III Summary of Complaint/Summons/Frosecution in the Reporting Wonth					
Event	Event Details		Follow-up/ Remedial Actions	Status/	
Event	Number	Brief Description		Remarks	
Complaints	0				
Received	0	-	-	-	
Notification of					
Summons and	0				
Prosecutions	0	-	-	-	
Received					
Public					
Engagement	0	-	-	-	
Activities					

Table III Summary of Complaint/Summons/Prosecution in the Reporting Month

Reporting Changes

5. No reporting change in this reporting month.

Future Key Issues

6. The key works or activities will be anticipated in the next reporting period are as follows:

Table IV Summary Table for Site Activities in the next Reporting Period

Contract No. and Project Title	Site Activities (July 2024)	Key Environmental Issues
ED/2018/04 - Trunk Road T2 and Infrastructure Works for Developments at South Apron	 ABWF, E&M Launching Shaft / Cut & Cover RC 	(A) / (B) / (C) / (D)

	 CP Tympanum Construction Cross Passage Finishing Sub-sea Corbel Construction Sub-sea Crown Fire Board Sub-sea Road Level Fire Board Sub-sea OHVD Soffit Fire Board Sub-sea OHVD Slab Installation Sub-sea Parapet Installation SUS Remaining Internal Wall SUS Fire Board installation SUS Skin Wall SUS Bracket installation SUS E&M installation Tunnel Segment delivery MiMEP Module Installation Sub-sea E&M Bracket installation Sub-sea E&M Bracket drilling
ED/2020/03 - Trunk Road T2 - Traffic Control And Surveillance System (TCSS) and Associated Works ⁽¹⁾	 Sub-sea Lecty Bracket drifting Tunnel: Site survey TKO-LTT: Installation of cable containment at Gantry Continue FAT for Radio System Commence FAT for CSS + MFCS Mockup installation inside Service Gallery – PA speaker

Notes:

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

N/A: Not applicable

- (A) Dust generation from haul road, stockpile of dusty materials, exposed site area, excavation works and rock breaking activities;
- (B) Noisy construction activity such as rock-breaking activities and piling works
- (C) Runoff from exposed slope or site area; and
- (D) Wastewater and runoff discharge from site.

Review of Status and Location of Monitoring Stations

7. According to the EM&A Manual (AEIAR-174/2013), the number and location of the monitoring stations and parameters should be reviewed in every six months, or on as -needed basis, in order to cater for any changes in the surrounding environmental and the nature of works in progress. The latest review was conducted in January 2024 and the review of status and location of monitoring stations are summarized as follow:

Table V	Summary	Table for	Review	of Status an	d Location	of Monitoring Stations
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Monitoring Station ID	Review Status	Follow-up Action/ Recommendation
KTD 2d	ET has reviewed the status and location of KER1, KTD 1, KTD2d, CKL1 and	NT/ A
KER1	CKL2. To conclude, the environmental monitoring conducted at KER1, KTD 1,	N/A

KTD 1	KTD2d, CKL 1 and CKL 2 are appropriate, and the monitoring results	
CKL 1	reflect how the sensitive receiver(s) is/are impacted by the construction activities of the Project.	
CKL 2	activities of the Project.	

N/A: Not Applicable

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 3.4km long with about 3.1km of the trunk road in form of tunnel; ventilation and administration buildings, environmental protection and mitigation works and etc. Moreover, the Contract No. ED/2020/03 is the other contract under Truck Road T2 Project which comprises mainly design and construction of the TCSS for this Project. The EM&A programme at Kai Tak area under the Contract ED/2018/04 and ED/2020/03 are governed by the EP-451/2013 and EM&A Manual (AEIAR-174/2013). The work areas of the Trunk Road T2 Project are shown in Figure 1 and the works to be executed under each Contract and corresponding EP are summarized as follows:

Environmental Permit	Works Description
EP-451/2013 – Trunk Road T2	<u>ED/2018/04</u>
	• Construction of highway and sub-sea tunnel connecting between
	Central Kowloon Route and Cha Kwo Ling Tunnel
	Western & Eastern Ventilation Buildings
	<u>ED/2020/03</u>
	Design and construction of TCSS for Trunk Road T2

Monitoring Works in Kai Tak under EP-451/2013

1.4 Under Contract No. KL/2014/03 - Kai Tak Development - Stage 3 Infrastructure Works for Development at the Southern Part of the Former Runway ("T2 Advance Works"), the baseline monitoring works in Kai Tak under the EM&A Manual (AEIAR-174/2013) were conducted by the Environmental Team (ET) for the Contract No. KL/2014/03 at the approved relocated monitoring locations (EPD reference: EP2/K19/A/21 pt.5), namely KTD1a, KTD2a & KER1a. During the impact monitoring period, monitoring locations KTD 2a and KER 1a were relocated to new locations, i.e. KTD 2b and KER 1b (EPD reference: () in EP2/K19/A/21 pt. 6 and () in EP2/K19/A/21 pt. 5) respectively. Location KTD2b was then further relocated to location KTD2c, the proposal of such relocation was submitted to EPD on 24 March 2020 and was approved by EPD on 6 April 2020 (EPD reference: () in EP2/K19/A/21 pt.7). The aforementioned relocation was effective from 9 April 2020. Since the major part of work under Contract No. KL/2014/03 has been completed and monitoring works conducted by the ET of Contract No. KL/2014/03 was determined to be ceased, the impact monitoring within the Kai Tak area was then handed over to the ET of Contract No. ED/2018/04 on 1 August 2020. The monitoring location has been reviewed and updated to obtain the data with higher representative based on several conditions, such as distance between monitoring location and the sensitive receiver, non-project related interference, obstruction to the construction works on site and the power supply problem. The monitoring location KTD1a and KER1b has been updated to the monitoring location KTD1 and KER1 on 3 August 2020, where are the original location as proposed in the EM&A manual (AEIAR-174/2013). And the monitoring location KTD2c was remained unchanged after the aforementioned review. Location KTD2c was then further relocated to location KTD2d, the proposal of such relocation was submitted on 9 March 2021 and was approved by EPD on 27 March 2021 (EPD reference: () in EP2/K19/A/21 pt.8). The aforementioned relocation was effective from 24 May 2021. The impact monitoring for the three stations KTD1, KTD2d and KER1 are currently conducted by the ET of T2 Main Works

Monitoring Works in Cha Kwo Ling under EP-451/2013

- 1.5 The environmental impact of the remaining works in Cha Kwo Ling, under EP-451/2013, shall be monitored at the two proposed stations, namely CKL1, CKL2, in accordance to the EM&A Manual (AEIAR-174/2013). The impact monitoring for the two proposed stations shall be conducted by the ET of T2 Main Works.
- 1.6 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") and "Trunk Road T2 –Traffic Control & Surveillance System (TCSS) and Associated Works".

Purpose of the Report

1.7 This is the 52nd Monthly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period in June 2024.

Project Organizations

- 1.8 Different Parties with different levels of involvement in the Project organization include:
 - Permit Holder Civil Engineering and Development Department (CEDD)
 - Supervisor Representative Hyder-Meinhardt Joint Venture (HMJV)
 - Environmental Team (ET) Cinotech Consultants Limited (Cinotech)
 - Independent Environmental Checker (IEC) Ramboll Hong Kong Limited (Ramboll)
 - Contractor Bouygues Travaux Publics (BTP) (For ED/2018/04) & GTECH Services (Hong Kong) Limited (For ED/2020/03)
- 1.9 The key contacts of the Project are shown in **Table 1.1**.

Table 1.1Key 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
Circotach		Mr. KS Lee (ETL)	2151 2091
Cinotech	Environmental Team	Ms. Karina Chan	2157 3880
Ramboll	Independent Environmental Checker	Mr. YH Hui	3465 2850
BTP	Contractor (ED/2018/04)	Mr. Roy Leung	6628 2685
GTECH	Contractor (ED/2020/03)	Mr. Deacon Choi	6038 3568

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

Construction Activities undertaken during the Reporting Month

1.11 The major site activities undertaken in the reporting month included:

 Table 1.2
 Summary of Key Construction Work in the Reporting Month

Contract No.	Project Title	Site Activities
ED/2018/04	Trunk Road T2 and Infrastructure Works for Developments at South Apron	8

ED/2020/03	Trunk Road T2 – Traffic Control And Surveillance System (TCSS) and	 Cross Passage Finishing Sub-sea Corbel Construction Sub-sea Crown Fire Board Sub-sea Road Level Fire Board Sub-sea OHVD Soffit Fire Board Sub-sea OHVD Slab Installation Sub-sea Parapet Installation SUS Remaining Internal Wall SUS Fire Board installation SUS Skin Wall SUS Bracket installation Tunnel Segment delivery MiMEP Module Installation Sub-sea E&M Bracket drilling Sub-sea E&M installation WVB Installation of cable containment FAT for Radio System
	System (TCSS) and Associated Works ⁽¹⁾	FAT for Radio SystemFAT for CCTV System

Notes:

(1): No major construction work was undertaken during reporting month. N/A: Not applicable

- 1.12 The EM&A programme requires construction noise, air quality monitoring and environmental site audit, etc. The EM&A requirements for each parameter are described in the following sections, including:
 - All monitoring parameters;
 - Action and Limit levels for all environmental parameters;
 - Event Action Plans;
 - Environmental mitigation measures, as recommended in the Project EIA Report.
- 1.13 The advice on the implementation status of environmental protection and pollution control/mitigation measures is summarized in **Section 10** of this report.
- 1.14 This report presents the monitoring results, observations, locations, equipment, period, methodology and QA/QC procedures of the monitoring parameters of the required environmental monitoring works and audit works for the Project in June 2024.

Status of Environmental Licensing and Permitting

1.15 All permits/licenses obtained for the Project are summarized in Table 1.3.

Contract		Valid Period		S 4 4
No.	Permit / License No.	From	То	Status
Environment	al Permit (EP)			
N/A	EP-451/2013	19 Sep 2013	N/A	Valid
Notification p	oursuant to Air Pollution (Construction	on Dust) Regula	tion	
ED/2018/04	Ref. No.: 451120	20 Nov 2019	N/A	Valid
ED/2020/03	Ref. No.: 483143	15 Aug 2022	N/A	Valid
Billing Accou	nt for Construction Waste Disposal			
ED/2018/04	A/C No.: 7036016	09 Dec 2019	N/A	Valid
ED/2020/03	A/C No.: 7043158	31 Jan 2022	N/A	Valid
Billing Accou	nt for Vessel Disposal			
ED/2018/04	A/C No.:7037747 (Application No.: CEDD01228)	11 Apr 2024	25 Jul 2024	Valid
Construction	Noise Permit			
ED/2018/04	CNP No. (For Portion Q): GW- RE0309-24	21 Mar 2024	31 Aug 2024	Valid
	CNP No. (For Launching Shaft and Barging Point): GW- RE0328-24	19 Mar 2024	13 Sep 2024	Valid
	CNP No. (For Depressed Road): GW-RE0447-24	30 Apr 2024	29 Oct 2024	Valid
	CNP No. (For Launching Shaft and Barging Point): GW-RE0701-24	14 Jun 2024	05 Dec 2024	Valid
Wastewater I	Discharge License			
	WT00036183-2020 (For Depressed Road Area)	27 Jul 2020	31 Jul 2025	Valid
ED/2018/04	WT00039117-2021 (For Site Office and Support Area)	28 Sep 2021	30 Sep 2026	Valid
ED/2010/04	WT00036228-2020 (For Launching Shaft)	10 Nov 2021	31 Jul 2025	Valid
	WT10001495-2023 (For TBM Consumable Storage Area)	12 Mar 2024	31 Mar 2029	Valid
Chemical Wa	ste Producer License			
ED/2018/04	WPN: 5213-286-B2557-03	09 Mar 2020	N/A	Valid
Marine Dum	ping Permit			
ED/2018/04	EP/MD/24-083	5 Apr 2024	4 Jul 2024	Valid

 Table 1.3
 Summary of Environmental License and Permit

9

2. AIR QUALITY

Monitoring Requirement

2.1 According to the EM&A Manual (AEIAR-174/2013), 24-hour Total Suspended Particulates (TSP) monitoring was conducted to monitor the air quality for this Project. For regular impact monitoring, a sampling frequency of at least once in every six days at all of the monitoring stations for 24-hour TSP monitoring. In case of complaints, 1-hour TSP monitoring should be conducted at least three times in every six days when the highest dust impacts are likely to occur. Appendix A shows the established Action/Limit Levels for the environmental monitoring works.

Monitoring Locations

- 2.2 Five designated monitoring stations were selected for air quality monitoring programme. Table2.1 describes the air quality monitoring locations, which are also depicted in Figure 2.
- 2.3 The monitoring location at Kai Tak area has been reviewed and updated to obtain the data with higher representative based on several conditions, such as distance between monitoring location and the sensitive receiver, non-project related interference, obstruction to the construction works on site and the power supply problem. The monitoring location KTD1a and KER1b has been updated to KTD1 and KER1 respectively, where are the original location as proposed in the EM&A manual (AEIAR-174/2013). And the monitoring location KTD2c was remained unchanged after the aforementioned review. Monitoring location KTD2c was then further relocated to KTD2d after the review of status and location of monitoring station conducted in between February and March 2021.

Monitoring Stations	Location	
KTD1	Centre of Excellence in Paediatrics (Children's Hospital)	
KTD2d	Next to the SOR Office of Trunk Road T2 in Kai Tak Area	
KER1	Future Residential Development at Kerry Godown	
CKL1	Flat 121 Cha Kwo Ling Village	
CKL2	Flat 103 Cha Kwo Ling Village	

Table 2.1 Air Quality Monitoring Locations

Monitoring Parameters and Frequency

2.4 **Table 2.2** summarizes the monitoring parameters, monitoring period and frequencies of impact air quality monitoring. The monitoring schedule is shown in **Appendix B**.

Monitoring Stations Parameter		Period Frequency	
KTD1, KTD2d, KER1, CKL1 & CKL2	1-hour TSP	0700 - 1900	3 times per 6 days (as required in case of complaints)
KTD1, KTD2d, KER1, CKL1 & CKL2	24-hour TSP	24 hours	Once every 6 days

Table 2.2 Frequency and Parameters of Air Quality Monitoring

Monitoring Equipment

- 2.5 High Volume Samplers (HVS) in compliance with the specification stipulated in the EM&A Manual (AEIAR-174/2013), Section 2.2.1.4, were used to carry out 24-hour TSP monitoring. Direct reading dust meter were also used to measure 1-hour average TSP levels. The 1-hour sampling was determined by HVS to check the validity and accuracy of the results measured by direct reading method.
- 2.6 Wind data monitoring equipment was set at rooftop (about 41/F) of Yau Lai Estate Bik Lai House, Lam Tin for logging wind speed and wind direction such that the wind sensors were clear of obstructions or turbulence caused by building. The wind data monitoring equipment was recalibrated at least once every six months and the wind directions were divided into 16 sectors of 22.5 degrees each. Wind data is attached in **Appendix D**.
- 2.7 **Table 2.3** summarizes the equipment used for air quality monitoring. Copies of calibration certificates are attached in **Appendix C**.

Equipment	Model	Quantity
HVS Sampler	TISCH Model: TE-5170 (Serial no. 0723, 1956, 10595, 1316, 5280)	5
Calibrator	TISCH Model: TE-5025A (Serial no. 3864)	1
Wind Anemometer	Davis Weather Monitor II, Model no. 7440 (Serial no. MC01010A44)	1

Table 2.3Air Quality Monitoring Equipment

Monitoring Methodology

1-hour TSP Monitoring

Measuring Procedures

2.8 The measuring procedures of the 1-hour dust meter are in accordance with the Manufacturer's Instruction Manual as follows:

(Sibata Model No.: LD-3B/LD-5R)

- The 1-hour dust meter is placed at least 1.3 meters above ground.
- Set POWER to "ON" and make sure that the battery level was not flash or in low level.
- Allow the instrument to stand for about 3 minutes and then the cap of the air sampling inlet has been released.
- Push the knob at MEASURE position.

- Set time/mode setting to [BG] by pushing the time setting switch. Then, start the background measurement by pushing the start/stop switch once. It will take 6 sec. to complete the background measurement.
- Push the time setting switch to change the time setting display to [MANUAL] at the bottom left of the liquid crystal display. Finally, push the start/stop switch to stop the measuring after 1 hour sampling.
- Information such as sampling date, time, count value and site condition were recorded during the monitoring period.

Maintenance/Calibration

- 2.9 The following maintenance/calibration is required for the 1-hour dust meter:
 - Check and calibrate the meter by HVS to check the validity and accuracy of the results measured by direct reading method at 2-month intervals throughout all stages of the air quality monitoring.

24-hour TSP Monitoring

Instrumentation

- 2.10 High volume samplers (HVS) (TISCH Model: TE-5170) complete with appropriate sampling inlets was employed for 24-hour TSP monitoring. The sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complied with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50). Moreover, the HVS also met all the requirements in Section 2.2 of the Annex II Specification.
- 2.11 The positioning of the HVS samplers are as follows:
 - A horizontal platform with appropriate support to secure the samplers against gusty wind shall be provided;
 - No two samplers shall be placed less than 2 meters apart;
 - The distance between the sampler and an obstacle, such as buildings, must be at least twice the height that the obstacle protrudes above the sampler;
 - A minimum of 2 metres of separation from walls, parapets and penthouses is required for rooftop samplers;
 - A minimum of 2 metres of separation from any supporting structure, measured horizontally is required;
 - No furnace or incinerator flue is nearby;
 - Airflow around the sampler is unrestricted;
 - The sampler is more than 20 metres from the dripline;
 - Any wire fence and gate, to protect the sampler, shall not cause any obstruction during monitoring;
 - Permission must be obtained to set up the samplers and to obtain access to the monitoring stations; and
 - A secured supply of electricity is needed to operate the samplers.

Operating/analytical procedures for the operation of HVS

- 2.12 Operating/analytical procedures for the air quality monitoring are highlighted as follows:
 - Prior to the commencement of the dust sampling, the flow rate of the high-volume sampler was properly set (between 0.6 m³/min. and 1.7 m³/min.) in accordance with the EM&A manual (AEIAR-174/2013). The flow rate shall be indicated on the flow rate chart.
 - For TSP sampling, fiberglass filters with a collection efficiency of > 99% for particles of 0.3µm diameter were used.
 - The power supply was checked to ensure the sampler worked properly. On sampling, the sampler was operated for 5 minutes to establish thermal equilibrium before placing any filter media at the designated air monitoring station.
 - The filter holding frame was then removed by loosening the four nuts and a weighted and conditioned filter was carefully centered with the stamped number upwards, on a supporting screen.
 - The filter was aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame was tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges.
 - The shelter lid was closed and secured with the aluminium strip.
 - The timer was then programmed. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).
 - After sampling, the filter was removed and sent to the HOKLAS laboratory (High Precision Chemical Testing Ltd.) for weighing. The elapsed time was also recorded.
 - Before weighing, all filters were equilibrated in a conditioning environment for 24 hours. The conditioning environment temperature should be between 25°C and 30°C and not vary by more than ±3°C; the relative humidity (RH) should be < 50% and not vary by more than ±5%. A convenient working RH is 40%.

Maintenance/Calibration

- 2.13 The following maintenance/calibration is required for the HVS:
 - The high-volume motors and their accessories were properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking were made to ensure that the equipment and necessary power supply are in good working condition.
 - High volume samplers were calibrated at bi-monthly intervals using TE-5025A Calibration Kit throughout all stages of the air quality monitoring.

Results and Observations

- 2.14 Impact air quality monitoring was conducted at five monitoring stations as scheduled. The monitoring schedule is shown in **Appendix B**.
- 2.15 No Action and no Limit Level exceedance was recorded for 24-hour TSP monitoring in the reporting month. No exceedance of 24-hour TSP were considered as **project related** and no exceedance of 24-hour TSP were considered as **non-project related**. Details of the exceedance are presented in **Appendix M**.
- 2.16 The air temperature, relative humidity, and the precipitation data were obtained from daily extracts of Hong Kong Observatory Climate Information Service. This weather information for the reporting month is summarized in **Appendix D**.
- 2.17 The monitoring data and graphical presentations of 24-hour TSP monitoring results are shown in **Appendix F**.
- 2.18 According to field observations observed in the reporting period, the major dust source identified at the designated air quality monitoring stations are as follows:

Monitoring Stations	Major Dust Source
KTD 1 - Centre of Excellence in Paediatrics (Children's Hospital)	 Project related construction activities (i.e., Loading and unloading of C&D wastes, drilling, crushing of material); Vehicle movement in the site;
KER 1 – Future Residential Development at Kerry Godown	 Construction activities at the nearby construction sites of New Acute Hospital; and, Road traffic along Shing Fung Road, Shing Cheong Road, Cheung Yip Street, Kai Hing Road and Kwun Tong Bypass.
KTD 2d – Next to the SOR Office of Trunk Road T2 in Kai Tak Area	 Project related construction activities (i.e., Loading and unloading of C&D material, crushing of material); Vehicle movement in the site; and, Non-project related construction activities (i.e excavating work, Loading and unloading of C&D wastes at the nearby construction site of Additional District Cooling System at Kai Tak Development, Paul Y. Engineering.)
CKL1 - Flat 121 Cha Kwo Ling Village	Road Traffic along Cha Kwo Ling Road
CKL2 - Flat 103 Cha Kwo Ling Village	Road Traffic along Cha Kwo Ling Road

Table 2.4 Major Dust Source during Air Quality Monitoring

Comparison of EM&A Result with EIA Prediction

2.19 The air monitoring data was compared with the predictions in Table 4.14 of EIA Report, AEIAR-174/2013 (as approved in 2013) as summarised in **Table 2.6** for 24-hour TSP.

 Table 2.6
 Comparison of 24-hr TSP Monitoring Data with Predictions in EIA Report

Monitoring Stations	ASR ID	Predicted Maximum 24-hr TSP Concentration in EIA Report (AEIAR- 174/2013), μg/m ³	Maximum 24-hr TSP Concentration in the Reporting Month (June 2024), µg/m ³
KTD 1 - Centre of Excellence in Paediatrics (Children's Hospital)	KTD3	126	91.3
KTD 2d – Next to the SOR Office of Trunk Road T2 in Kai Tak Area	N/A ⁽¹⁾	N/A ⁽¹⁾	42.6
KER 1 – Future Residential Development at Kerry Godown	KTD6	169	60.9
CKL1 - Flat 121 Cha Kwo Ling Village	N/A ⁽¹⁾	N/A ⁽¹⁾	84.7
CKL2 - Flat 103 Cha Kwo Ling Village	N/A ⁽¹⁾	N/A ⁽¹⁾	180.7

Remarks:

(1) No 24-hr TSP concentration was predicted in EIA Report (AEIAR-174/2013)

2.20 In the reporting month, the 24-hour TSP concentration at KER1 and KTD1 were lower than the prediction in the EIA Report, AEIAR-174/2013 (as approved in 2013). No Action and Limit level exceedance for 24-hour TSP was recorded in the reporting period.

3 NOISE

Monitoring Requirement

3.1 According to the EM&A Manual (AEIAR-174/2013), construction noise monitoring was conducted to monitor the construction noise arising from the construction activities. The regular monitoring frequency for each monitoring station shall be on a weekly basis and conduct one set of measurements between 0700 and 1900 hours on normal weekdays. **Appendix A** shows the established Action and Limit Levels for the environmental monitoring works.

Monitoring Locations

- 3.2 Noise monitoring was conducted at five designated monitoring stations, namely KTD1, KTD2d, KER1, CKL1 and CKL2 in the reporting period. **Table 3.1** and **Figure 2** show the locations of these stations.
- 3.3 The monitoring location at Kai Tak area has been reviewed and updated to obtain the data with higher representative based on several conditions, such as distance between monitoring location and the sensitive receiver, non-project related interference, obstruction to the construction works on site and the power supply problem. The monitoring location KTD1a and KER1b has been updated to KTD1 and KER1 respectively, where are the original location as proposed in the EM&A manual (AEIAR-174/2013). And the monitoring location KTD2c was remained unchanged after the aforementioned review. Monitoring location KTD2c was then further relocated to KTD2d after the review of status and location of monitoring station conducted in between February and March 2021.

Monitoring Stations	Location	
KTD1	Centre of Excellence in Paediatrics (Children's Hospital)	
KTD2d	Next to the SOR Office of Trunk Road T2 in Kai Tak Area	
KER1	Future Residential Development at Kerry Godown	
CKL1	Flat 121 Cha Kwo Ling Village	
CKL2	Flat 103 Cha Kwo Ling Village	

Table 3.1 Noise Monitoring Stations

Monitoring Parameters, Frequency and Duration

3.4 **Table 3.2** summarizes the monitoring parameters, frequency and total duration of monitoring. The noise monitoring schedule is shown in **Appendix B**.

1 abit 5.2	requency and rarameters of rouse monitoring				
Monitoring Stations	Time Period	Duration	Frequency	Parameter	Measurement
KTD1				L (20 · ·)	Façade Measurement
KTD2d	0700-1900 hrs on normal weekdays	30 minutes	Once per week	L ₁₀ (30 min.) dB(A)	Free Field Measurement
KER1				L ₉₀ (30 min.) dB(A)	Free Field Measurement
CKL1				$L_{eq}(30 \text{ min.})$	Free Field Measurement
CKL2				dB(A)	Free Field Measurement

Table 3.2 Frequency and Parameters of Noise Monitoring

Monitoring Equipment

3.5 Integrating Sound Level Meter was used for impact noise monitoring. The meters were Type 1 sound level meter capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level (L_{eq}) and percentile sound pressure level (L_x) that also complied with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications. **Table 3.3** summarizes the noise monitoring equipment being used within the reporting period. Copies of calibration certificates are attached in **Appendix G**.

Table 3.3	Noise Monitoring Equipment
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Equipment	Model	Quantity
Integrating Sound Level Meter	BSWA 308 (Serial no. 570188) SVAN 957 (Serial no. 21455) SVAN 979 (Serial no. 27189)	3
Calibrator	ST-120 (Serial no. 181001636) AWA6021A (Serial no. 1023253)	2

Monitoring Methodology and QA/QC Procedure

- 3.6 The monitoring procedures are as follows:
 - The monitoring station was normally be at a point 1m from the exterior of the sensitive receivers building façade and be at a position 1.2m above the ground.
 - For free field measurement, the meter was positioned away from any nearby reflective surfaces. All records for free field noise levels were adjusted with a correction of +3 dB(A).
 - The battery condition was checked to ensure the correct functioning of the meter.
 - Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
 - Frequency weighting: A
 - Time weighting: Fast
 - Time measurement: 30 minutes
 - Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement

was more than 1.0 dB, the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.

- The wind speed was frequently checked with the portable wind meter.
- At the end of the monitoring period, the L_{eq}, L₉₀ and L₁₀ were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
- Noise monitoring would be cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10 m/s. Supplementary monitoring would be provided to ensure sufficient data would be obtained.

Maintenance and Calibration

- 3.7 The microphone head of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals.
- 3.8 The sound level meter and calibrator were checked and calibrated at yearly intervals.
- 3.9 Immediately prior to and following each noise measurement the accuracy of the sound level meter was checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements were accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.

Results and Observations

- 3.10 Impact noise monitoring was conducted at five monitoring stations as scheduled. The monitoring schedule is shown in **Appendix B**. No Action and Level exceedance was recorded for day time construction noise monitoring in the reporting month.
- 3.11 Noise monitoring results and graphical presentations are shown in Appendix H.
- 3.12 According to field observations observed in the reporting period, the major noise sources identified at the noise monitoring stations are shown in **Table 3.4**.

Monitoring Stations	Major Noise Source
KTD 1	 Project related construction activities (Loading and unloading of C&D waste, travel of vehicles, use of PME and other plants, and other construction activities); Vehicle movement in the site; Road traffic along Shing Cheong Road; and, Non-project related construction activities at the nearby construction site of New Acute Hospital.
KTD 2d	 Project related construction activities (Loading and unloading of C&D waste, travel of vehicles, use of PME and other plants, and other construction activities); Vehicle movement in the site; and, Non-project related construction activities. (i.e excavating work, Loading and unloading of C&D wastes at the nearby construction site of Additional District Cooling System at Kai Tak Development, Paul Y. Engineering.)

Table 3.4Other Noise Source Identified during Noise Monitoring

Monitoring Stations	Major Noise Source	
KER 1	 Road traffic along Kai Hing Road. Project related construction activities (Travel of vehicles, use of PME and other plants, and other construction activities) 	
CKL1	Road traffic along Cha Kwo Ling Road.	
CKL2	Road traffic along Cha Kwo Ling Road	

3.13 The baseline noise level and the Noise Limit Level at each designated noise monitoring station are presented in **Table 3.5**.

1 adie 5.5 Baseline Noise Level and Noise Limit Level for Monitoring Station	Table 3.5	Baseline Noise Level and Noise Limit Level for Monitoring Stations
------------------------------------------------------------------------------	-----------	--------------------------------------------------------------------

Monitoring Stations	Baseline Noise Level, dB (A) (at 0700 – 1900 hrs on normal weekdays)	Noise Limit Level, dB (A) (at 0700 – 1900 hrs on normal weekdays)
KTD1	78	
KTD2d	64	
KER1	65	75
CKL1	72.4	
CKL2	71.4	

Comparison of EM&A Result with EIA Prediction

3.14 The noise monitoring data was compared with the predictions in Table 5.13 of EIA Report (AEIAR-174/2013) as summarised in **Table 3.6**.

 Table 3.6
 Maximum Predicted Mitigated Construction Noise Levels in EIA Report

Monitoring Stations	NSR ID	Maximum Predicted Mitigated Construction Noise Levels in EIA Report (AEIAR- 174/2013), dB(A)	Maximum Construction Noise Levels in the Reporting Month (June 2024), Leq (30min) dB(A)
KTD1 - Centre of Excellence in Paediatrics (Children's Hospital)	KTD1	74	70.3
KTD2d – Next to the SOR Office of Trunk Road T2 in Kai Tak Area	N/A ⁽¹⁾	N/A ⁽¹⁾	67
KER1 – Future Residential Development at Kerry Godown	KER1	75	74.7
CKL1 - Flat 121 Cha Kwo Ling Village	CKL4	71	71.5
CKL2 - Flat 103 Cha Kwo Ling Village	CKL5	69	74.6

Remarks:

(1): No Maximum Predicted Mitigated Construction Noise Levels was predicted in EIA Report (AEIAR-174/2013)

3.15 The results at CKL1 and CKL2 were higher than the maximum predicted mitigated construction noise level in the EIA Report, AEIAR-174/2013 (as approved in 2013), this may be due to fluctuations of traffic flow along the traffic flow along Cha Kwo Ling Road throughout the day. Besides, the result at KTD1 and KER1 were lower than the maximum predicted mitigated construction noise level in the EIA Report. No Action and Limit Level exceedance were recorded in the reporting period.

4 WATER QUALITY

Monitoring Requirement

- 4.1 According to Section 4.3.1.1 of EM&A Manual (AEIAR-174/2013), no water quality monitoring is required during the construction phase.
- 4.2 According to Section 4.3.1.5 of EM&A Manual (AEIAR-174/2013), compliance site audits are to be undertaken by the Engineer and ET and escorted by the Contractor to ensure that a valid discharge license has been issued by the EPD prior to the discharge of the effluent from the construction activities of the Project site. Monitoring of the quality of the treated effluent from the works areas should be carried out in accordance with the Water Pollution Control Ordinance (WPCO) license. The audit results reflect whether the effluent quality is in compliance with the discharge license requirements, the summaries of site audits are attached in **Appendix I**.
- 4.3 In the event of non-compliance, the responsibilities of the relevant parties are detailed in the Event / Action plan attached in **Appendix J**.

5 MARINE ECOLOGY

- 5.1 According to Section 5.3.1.1 of EM&A Manual (AEIAR-174/2013), ET will be required to undertake audit of good site practice for habitat protection as detailed below. The summaries of site audits are attached in **Appendix I**.
 - Avoid damage and disturbance to the remaining and surrounding natural habitat;
 - Ensure placement of equipment is within designated areas within the existing disturbed land;
 - Ensure construction activities are restricted to within the proposed works boundary;
 - Ensure spoil heaps are be covered at all times;
 - Ensure that disturbed areas are reinstated immediately after completion of the works; and
 - Ensure enhancement planting works undertaken.

6 FISHERIES

- 6.1 According to Section 6.3.1.2 of EM&A Manual (AEIAR-174/2013), no specific fisheries monitoring and audit programme is required during the construction phase.
- 6.2 The implementation of the water quality mitigation measures stated in the Water Quality Impact Assessment (Refer to Section 6 of the EIA Report (AEIAR-174/2013)) will be audited as part of the EM&A procedures during the construction period and the details are presented in Section 4.2 of this Report. The summaries of site audits are attached in Appendix I.

7 LANDSCAPE AND VISUAL

7.1 According to the EM&A Manual (AEIAR-174/2013), a series of mitigation measures were recommended to ameliorate the landscape and visual impacts of the Project. The mitigation measures for construction stage are summarized in Table 7.1 below and provided in Appendix K:

ID No.	Landscape and Visual Mitigation Measure	
CM1	All works shall be carefully designed to minimize impacts on existing landscape resources and visually sensitive receivers. Existing trees within works area shall be retained and protected.	
CM2	Existing trees of good quality and condition that are unavoidably affected by the works should be transplanted.	
CM3	Not used.	
CM4	Not used.	
CM5	Large temporary stockpiles of excavated material shall be covered with unobtrusive sheeting to prevent dust and dirt spreading to adjacent landscape areas and vegetation, and to create a neat and tidy visual appearance.	
CM6	Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance	
CM7	Erection of decorative screen hoarding should be designed to be compatible with the existing urban context.	
CM8	All lighting in construction site shall be carefully controlled to minimize light pollution and night-time glare to nearby residences and GIC user. The contractor shall consider other security measures, which shall minimize the visual impacts.	

 Table 7.1
 Construction Phase Landscape and Visual Mitigation Measures

7.2 A specialist Landscape Sub-Contractor should be employed by the Contractor for the implementation of landscape construction works and subsequent maintenance operations during the establishment period. It is proposed that the planting works will be on-site and the planting

should be completed during the construction contract. The monitoring of the planting establishment should be undertaken for a 12-month period which could extend throughout the Contractor's one-year maintenance period, which will be within the first operational year of the Project.

- 7.3 All measures undertaken by both the Contractor and the specialist Landscape Sub-Contractor during the construction phase and first year of the operational phase shall be audited by a Registered Landscape Architect (RLA), as a member of the Environmental Team (ET), on a regular basis to ensure compliance with the intended aims of the measures. To fulfil the aforementioned requirements, on-site landscape and visual mitigation measures were audited by RLA in the reporting month.
- 7.4 According to Section 7.3.1.2 of the EM&A Manual (AEIAR-174/2013), site audits shall be undertaken at least once every two weeks throughout the construction period to monitor and audit the timely implementation of landscape and visual mitigation measures within the site boundaries of this Project.
- 7.5 The broad scope of the audit is detailed below but should also be undertaken with reference to the more specific checklist provided in **Table 7.2**. The summaries of site audits are attached in **Appendix I**:
 - The extent of the agreed works areas should be regularly checked during the construction phase. Any trespass by the Contractor outside the limit of the works, including any damage to existing trees and soft landscape areas shall be prohibited;
 - the progress of the engineering works should be regularly reviewed on site to identify the earliest practical opportunities for the landscape works to be undertaken;
 - all existing trees and vegetation within the study area which are not directly affected by the works are retained and protected;
 - the methods of protecting existing vegetation proposed by the Contractor are acceptable and enforced;
 - preparation, lifting transport and re-planting operations for any transplanted trees;
 - all landscaping works are carried out in accordance with the specifications;
 - the planting of new trees, shrubs, groundcover, climbers, ferns, grasses and other plans, together with the replanting of any transplanted trees are carried out properly and within the right season; and
 - all necessary horticultural operations and replacement planting are undertaken throughout the Establishment Period to ensure the healthy establishment and growth of both transplanted trees and all newly established plants.

Measures	
Area of Works	Items to be Monitored
Advance planting	Monitoring of implementation and maintenance of planting, and against possible incursion, physical damage, fire, pollution, surface erosion, etc.
Protection of all trees and existing soft landscape areas to be retained	Identification and demarcation of trees / vegetation to be retained, erection of physical protection (e.g. fencing), monitoring against possible incursion, physical damage, fire, pollution, surface erosion, etc.
Clearance of existing vegetation	Identification and demarcation of trees / vegetation to be cleared, checking of extent of works to minimise damage, monitoring of adjacent areas against possible incursion, physical damage, fire, pollution, surface erosion, etc.
Pruning of trees	Identification and demarcation of trees / vegetation to be pruned, monitoring of extent of pruning to minimise damage, timing of operations, implementation of all stages of preparatory and pruning works, and maintenance of pruned vegetation, etc.
Plant supply	Monitoring of operations relating to the supply of specialist plant material (including the collecting, germination and growth of plants from seed) to ensure that plants will be available in time to be used within the construction works.
Soiling, planting, etc.	Monitoring of implementation and maintenance of soiling and planting works and against possible incursion, physical damage, fire, pollution, surface erosion, etc.
Site fencing and hoarding	Implementation and maintenance, to ensure compliance with agreed designs and check that it matches the surrounding environment and does not cause visual intrusion.
Architectural treatment of engineering works.	Implementation and maintenance of mitigation measures, to ensure compliance with agreed designs as applicable.
Establishment Works	Monitoring of implementation of maintenance operations during Establishment Period.

Table 7.2 Construction Phase Audit Checklist for Landscape and Visual Mitigation Measures

- 7.6 In the event of non-compliance, the responsibilities of the relevant parties is detailed in the Event / Action plan attached in **Appendix J**.
- 7.7 In the reporting month, no non-compliance of the landscape and visual mitigation measures was recorded by RLA.

8 CULTURAL HERITAGE

- 8.1 According to Section 8.3.1.1 of EM&A Manual (AEIAR-174/2013), as a precautionary measure, it is recommended that if any antiquity or supposed antiquity is discovered during the course of the excavation works undertaken by the Contractor, the discovery shall be reported to the AMO immediately and all necessary measures taken to preserve it.
- 8.2 According to Section 8.3.1.2 of EM&A Manual (AEIAR-174/2013), no EM&A is required during the construction and operational phase.

9 WASTE MANAGEMENT

- 9.1 According to Section 9.3.1.1 of EM&A Manual (AEIAR-174/2013), the effective management of waste arisings during the construction phase will be monitored through the site audit programme. Regular audits and site inspections should be carried out by the Engineer, ET and Contractor to ensure that the recommended good site practices and other mitigation measures are implemented by the Contractor. The summaries of site audits are attached in **Appendix I**.
- 9.2 According to Sections 9.3.1.3 and 9.3.1.4 of EM&A Manual (AEIAR-174/2013), documents including licenses, permits, disposal and recycling records should be reviewed and audited during site audits for the compliance with the legislation and contract requirements to ensure proper records are being maintained and procedures undertaken in accordance with the Waste Management Plan.
- 9.3 With reference to the relevant handing records of this Project, the quantities of different types of waste generated in the reporting month are summarized and presented in the **Appendix O**.

10 ENVIRONMENTAL AUDIT

Site Audits

- 10.1 Site audits were carried out on a weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site. The summaries of site audits are attached in **Appendix I**.
- 10.2 Site audits for each contract were conducted as follows.
 - ED/2018/04 Site audit was conducted on 06, 13, 20 & 27 June 2024 in the reporting month. Site inspection of the IEC was conducted on 27 June 2024. No non-compliances were observed during site audits.
 - ED/2020/03 Site audit was conducted on 06, 14, 20 & 27 June 2024 in the reporting month. Site inspection of the IEC was conducted on 14 June 2024. No non-compliance was observed during the site audits.

Implementation Status of Environmental Mitigation Measures

- 10.3 According to Environmental Permits, the approved EIA Reports (Register No.: AEIAR-174/2013 and AEIAR-173/2013), and the EM&A Manuals of the Project (AEIAR-174/2013 and AEIAR-173/2013), the mitigation measures detailed in the documents are recommended to be implemented during the construction phase. An Environmental Mitigation Implementation Schedule (EMIS) is provided in **Appendix K**.
- 10.4 The ET weekly site inspections were carried out during the reporting month and the observations and recommendations are summarized in **Table 10.1**. Refer to **Appendix I** for the site inspection summary reports in the reporting month.

Parameters	Date	Observations and Recommendations	Follow-up
Air Quality	29 May 2024	Water should be sprayed on ground to prevent dust. (West Tunnel)	Water has been sprayed to control dust.
An Quuny	20 June 2024	More than 20 bags of cement should be covered. (WVB G/F)	Cement bags are covered properly.
Noise	N/A	N/A	N/A
Water Quality	N/A	N/A	N/A
Ecology	N/A	N/A	N/A
Landscape and Visual	N/A	N/A	N/A

 Table 10.1
 Observations and Recommendations of Site Audit

Parameters	Date	Observations and Recommendations	Follow-up
Waste/ Chemical	29 May 2024	Drip trays should be provided for chemical/oil containers to prevent leakage. (West Tunnel)	Chemical container has been removed.
Chemicai Management	27 June 2024	Drip tray should be provided for chemical containers to prevent leakage. (Launching Shaft)	The chemical containers have been removed by contractor.
Permits /Licences	N/A	There was no observation in the reporting period.	N/A

Implementation Status of Event and Action Plans

10.5 The Event and Action Plans for air quality, construction noise, and landscape and visual are presented in **Appendix J**.

Air Quality Monitoring

• No Action and no Limit Level exceedance for 24-hour TSP monitoring was recorded.

Construction Noise Monitoring

• No Action and Limit Level exceedance was recorded in the reporting month.

Landscape and Visual

• No landscape and visual non-conformity were recorded.

Status of Required Submission under Environmental Permit

10.6 According the Section 11.3.2.1 (c) of the EM&A Manual (AEIAR-174/2013), status of required submission under EP-451/2013 during the reporting period are summarized in **Table 10.2**.

 Table 10.2
 Status of Required Submission under Environmental Permit

EP Condition	Submission	Submission Date
EP-451/2013		
Condition 2.3	Management Organization of Main Construction Companies for ED/2018/04	20 January 2020
Condition 2.3	Management Organization of Main Construction Companies for ED/2020/03	21 March 2023
Condition 2.4	Design Drawing of the Project	20 January 2020
Condition 2.5	Landscape Mitigation Plan (Rev. F)	25 November 2022
Condition 2.10 (a)	Supplementary Contamination Assessment Plan	18 December 2015
Condition 2.10	Supplementary Contamination Assessment Report	6 December 2016

EP Condition	Submission	Submission Date
(b)		
Condition 3.3	Updated Baseline Monitoring Report	3 November 2020
Condition 3.4	Monthly EM&A Report (May 2024) for ED/2018/04 and ED/2020/03	12 June 2024

11 ENVIRONMENTAL NON-CONFORMANCE

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

11.1 The summaries of environmental complaint, warning, summon and notification of successful prosecution for the Project is presented in **Appendix L**.

Summary of Exceedance

- 11.2 The summary of exceedance record in the reporting month is shown in Appendix M.
- 11.3 No non-conformity was recorded for landscape and visual inspections conducted in the reporting month.

12 FUTURE KEY ISSUES

- 12.1 Tentative construction programmes for the next three months are provided in Appendix N.
- 12.2 Major site activities undertaken for the coming months and the key environmental issues are summarized as follows:

Contract No. and Project Title	Site Activities (July 2024)	Key Environmental Issues
ED/2018/04 - Trunk Road T2 and Infrastructure Works for Developments at South Apron	 West Ventilation Building RC Structure, ABWF, E&M Launching Shaft / Cut & Cover RC Structure Westbound TBM Tunnelling Eastbound TBM Tunnelling EB Service Gallery Installation WB Service Gallery Installation WB Service Gallery Installation Eastbound cavern excavation CP Tympanum Construction Sub-sea Corbel Construction Sub-sea Road Level Fire Board 	 Wheel washing bay at site exits; Temporary noise barriers for PMEs; Sedimentation tank for settling muddy water; and Make sure open stockpiles are covered during rainstorm.

Table 12.1Summary Table for Site Activities and the Key Environmental Issues in the
next Reporting Period

Monthly Entern Report - Sunc 202			
Contract No. and Project Title	Site Activities (July 2024)	Key Environmental Issues	
	 13. Sub-sea OHVD Soffit Fire Board 14. Sub-sea OHVD Slab Installation 15. Sub-sea Parapet Installation 16. SUS Remaining Internal Wall 17. SUS Fire Board installation 18. SUS Skin Wall 19. SUS Bracket installation 20. SUS E&M installation 21. Tunnel Segment delivery 22. MiMEP Module Installation 23. Sub-sea E&M Bracket installation 24. Sub-sea E&M Bracket drilling 		
ED/2020/03 - Trunk Road T2 - Traffic Control And Surveillance System (TCSS) and Associated Works ⁽¹⁾	 Tunnel: Site survey TKO-LTT: Installation of cable containment at Gantry Continue FAT for Radio System Commence FAT for CSS + MFCS Mockup installation inside Service Gallery – PA speaker 	 The waste should be removed regularly and litter free. The storage area should be kept tidy. Temporary noise barriers for PMEs. 	

Notes:

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

N/A: Not applicable

Monitoring Schedule

12.3 The tentative environmental monitoring schedule for the next three months are shown in **Appendix B**.

13 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

13.1 This is the 52nd Monthly EM&A Report which presents the EM&A works undertaken during the reporting month in accordance with the EM&A Manual (AEIAR-174/2013) and the requirement under EP.

Air Quality Monitoring

13.2 No Action and no Limit Level exceedance was recorded for 24-hour TSP monitoring in the reporting month.

Construction Noise Monitoring

- 13.3 No Limit Level exceedance was recorded for day-time construction noise monitoring in the reporting month.
- 13.4 No Action Level exceedance was recorded in the reporting month.

Site Audit

- 13.5 Four (4) ET joint weekly environmental site inspections were conducted for the Contact No. ED/2018/04 in the reporting month.
- 13.6 Four (4) ET joint environmental site inspections were conducted for the Contact No. ED/2020/03 in the reporting month.

Complaint, Notification of Summons and Successful Prosecution

13.7 No environmental complaint was received in the reporting month. No notifications of summons and successful prosecutions were received in the reporting month.

Recommendations

13.8 According to the environmental audit performed in the reporting month, the following recommendations was made:

ED/2018/04

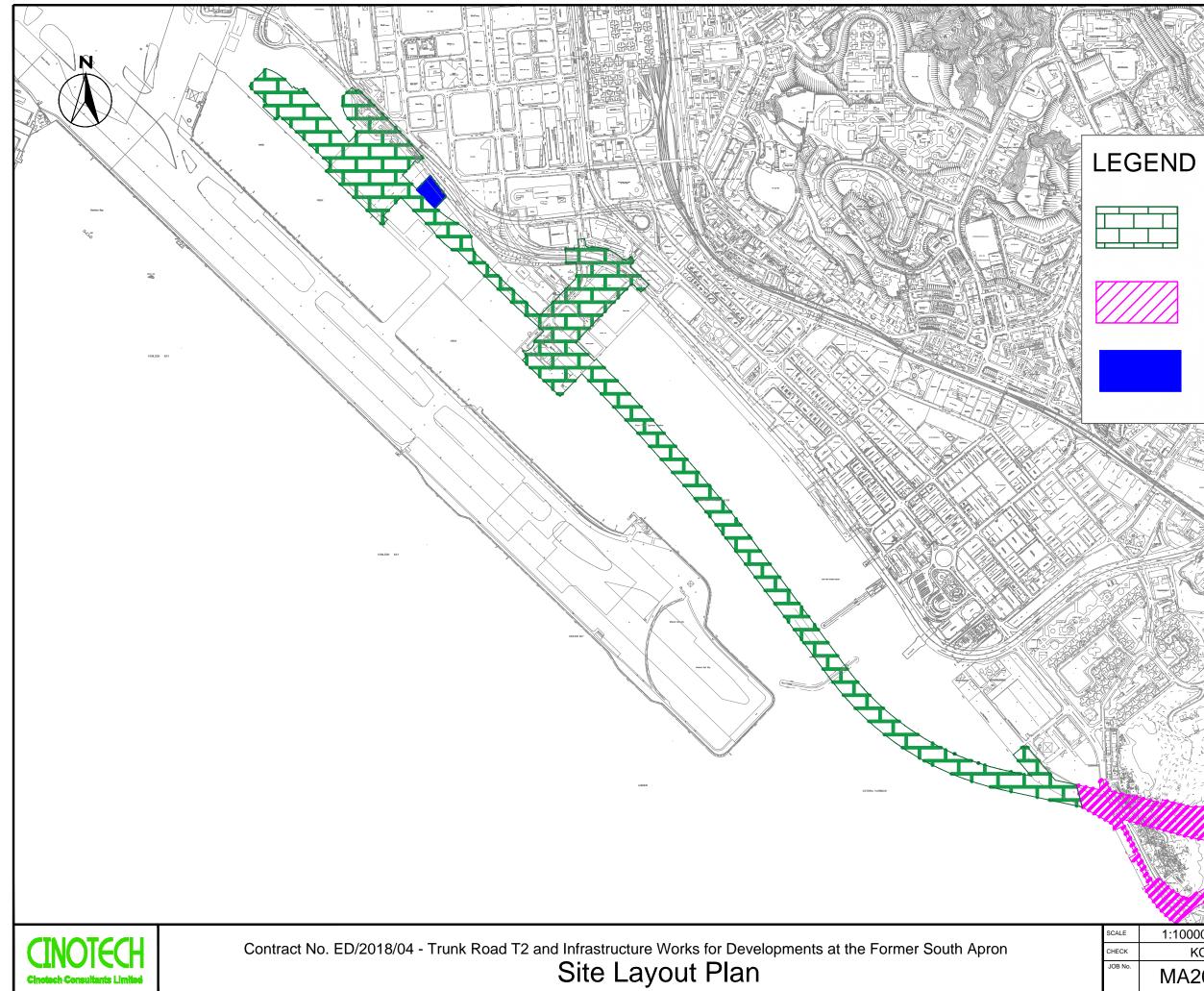
Air Quality

• More than 20 cement bags should be covered by impervious sheeting.

Waste / Chemical Management

• The drip tray should be provided for the chemical container / oil drums to avoid the chemical leakage and remove the used chemical containers / oil drums regularly.

FIGURES



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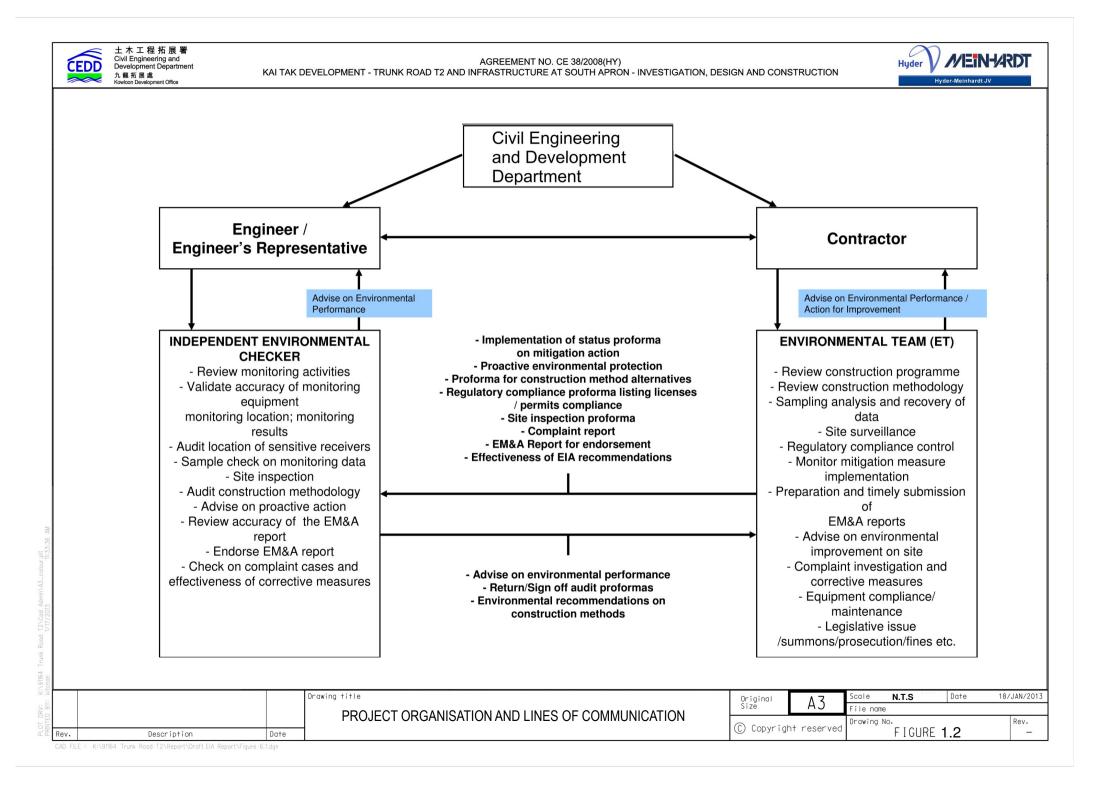
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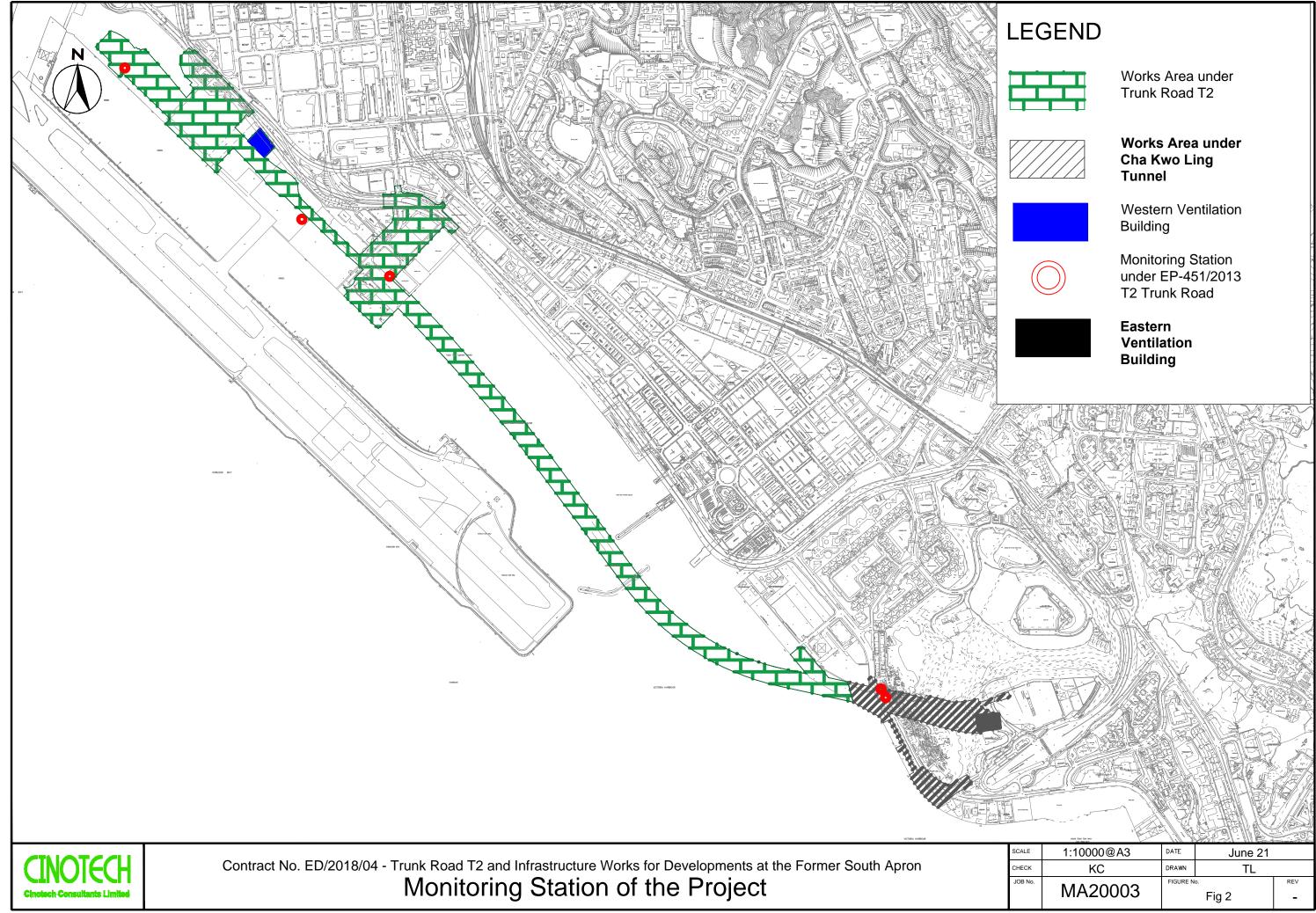
Works Area under Trunk Road T2

Works Area under Cha Kwo Ling Tunnel

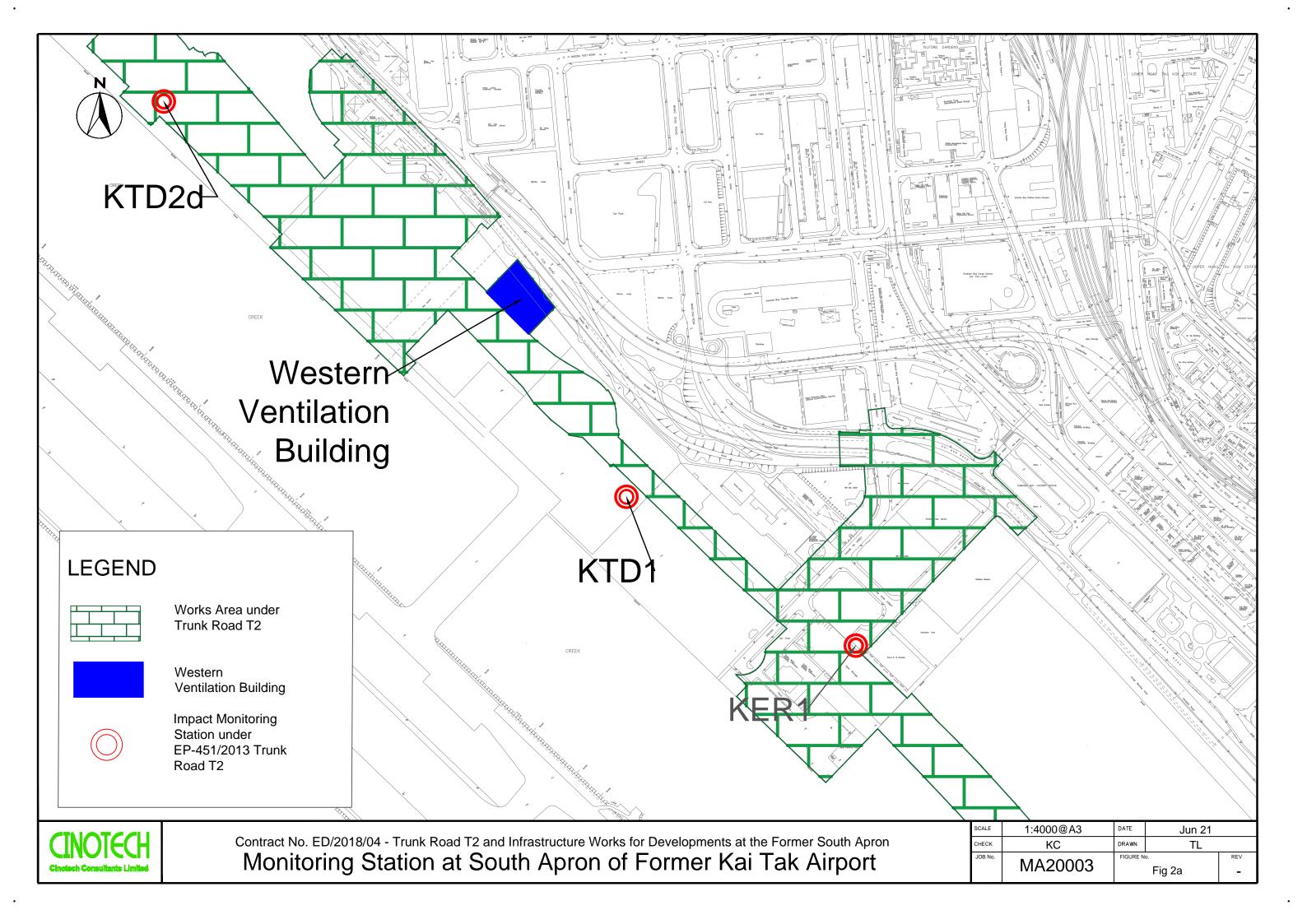
Ventilation Building

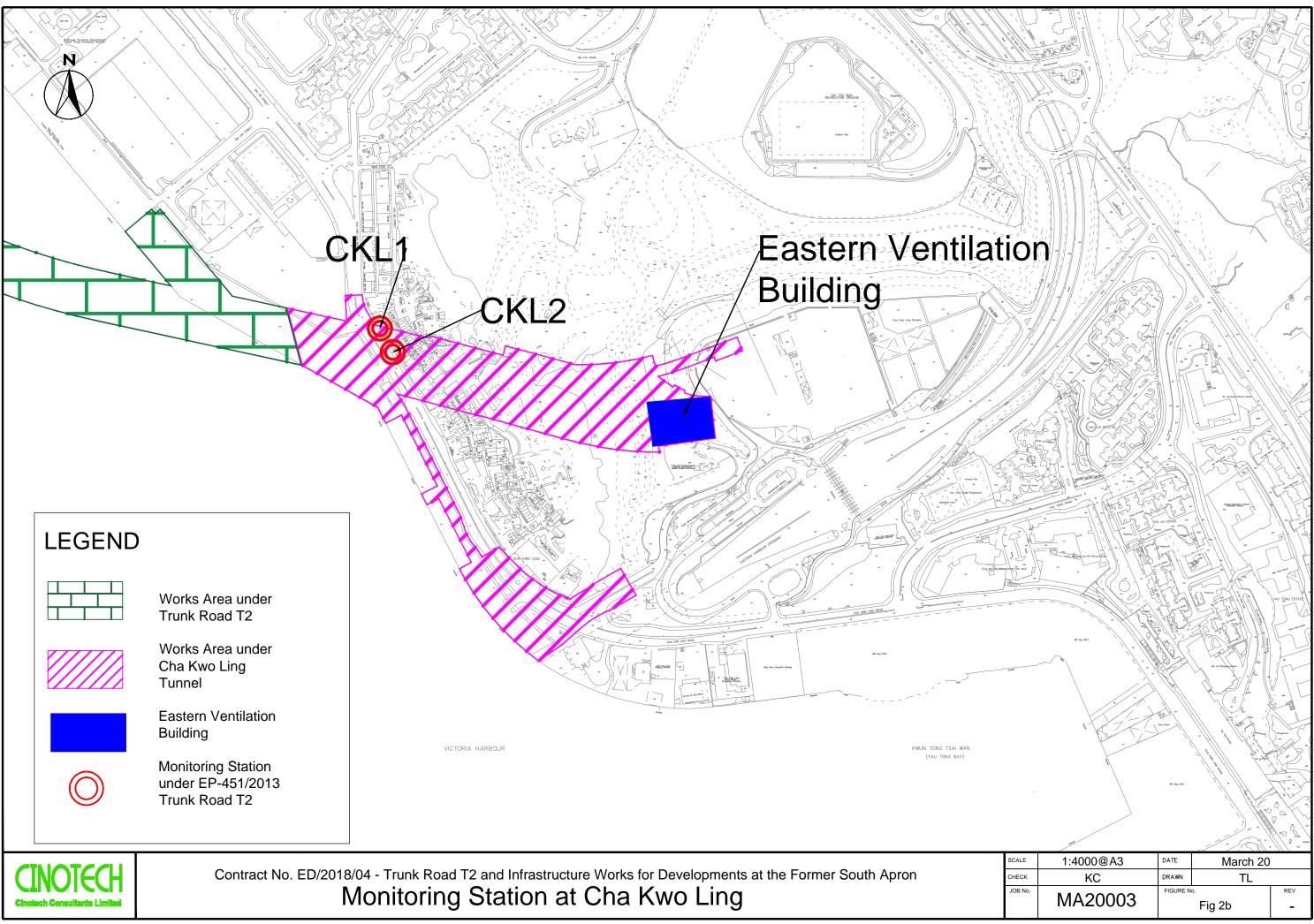
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LE CK 3 No.	1:10000@A3	DATE	TL	REV











APPENDIX A ACTION AND LIMIT LEVELS

Appendix A - Action and Limit Levels

Location	Action Level, μg/m ³	Limit Level, µg/m ³
KTD1	285	
KTD2d	279	
KER1	295	500
CKL1	323	
CKL2	327	

 Table A-1
 Action and Limit Levels for 1-hour TSP (in case of complaints)

Table A-2Action and Limit Levels for 24-hour TSP

Location	Action Level, µg/m ³	Limit Level, µg/m ³
KTD1	177	
KTD2d	157	
KER1	172	260
CKL1	191	
CKL2	183	

Table A-3 Action and Limit Levels for Noise during Construction Period

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

Note:

(1) If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

APPENDIX B ENVIRONMENTAL MONITORING SCHEDULES

Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Impact Air and Noise Monitoring Schedule (June 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Sunday	monday	raesday	Wednesday	Thurbduy	Triday	1-Jun
2-Jun	3-Jun	4-Jun	5-Jun	6-Jun	7-Jun	8-Jun
2 0 411	5 0 0	, bui	5 bun	0 bui	, oun	0 Vuii
			24-hr TSP	Noise		
			21 101			
9-Jun	10-Jun	11-Jun	12-Jun	13-Jun	14-Jun	15-Jun
		24-hr TSP	Noise			
16-Jun	17-Jun	18-Jun	19-Jun	20-Jun	21-Jun	22-Jun
	24-hr TSP	Noise				24-hr TSP
23-Jun	24-Jun	25-Jun	26-Jun	27-Jun	28-Jun	29-Jun
	Noise			24-hr TSP		
30-Jun						

*Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2) **24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

Air Quality Monitoring Station

24-hr TSP

KTD1 - Centre of Excellence in Paediatrics (Children's Hospital)

KTD2d - Next to the SOR Office of Trunk Road T2 in Kai Tak Area

KER1 - Future Residential Development at Kerry Godown

CKL1 - Flat 121 Cha Kwo Ling Village

CKL2 - Flat 103 Cha Kwo Ling Village

The schedule may be changed due to unforeseen circumstances (adverse weather, safety concerns, etc.)

*Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

**24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

Noise Monitoring Station

KTD1 - Centre of Excellence in Paediatrics (Children's Hospital) KER1 - Future Residential Development at Kerry Godown KTD2d - Next to the SOR Office of Trunk Road T2 in Kai Tak Area CKL1 - Flat 121 Cha Kwo Ling Village CKL2 - Flat 103 Cha Kwo Ling Village

Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Tentative Impact Air and Noise Monitoring Schedule (July 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday Friday		Saturday
	1-Jul	2-Jul	3-Jul	4-Jul	5-Jul	6-Jul
			24-hr TSP	Noise		
	8-Jul	9-Jul	10-Jul	11-Jul	12-Jul	13-Jul
		24-hr TSP	Noise			
14-Jul	15-Jul	16-Jul	17-Jul	18-Jul	19-Jul	20-Jul
	24-hr TSP	Noise				24-hr TSP
21-Jul	22-Jul	23-Jul	24-Jul	25-Jul	26-Jul	27-Jul
	Noise				24-hr TSP	
28-Jul	29-Jul	30-Jul	31-Jul			

The schedule may be changed due to unforeseen circumstances (adverse weather, safety concerns, etc.)

*Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

**24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

Air Quality Monitoring Station

24-hr TSP

KTD1 - Centre of Excellence in Paediatrics (Children's Hospital)

- KTD2d Next to the SOR Office of Trunk Road T2 in Kai Tak Area
- KER1 Future Residential Development at Kerry Godown
- CKL1 Flat 121 Cha Kwo Ling Village
- CKL2 Flat 103 Cha Kwo Ling Village

Noise Monitoring Station

KTD1 - Centre of Excellence in Paediatrics (Children's Hospital) KER1 - Future Residential Development at Kerry Godown KTD2d - Next to the SOR Office of Trunk Road T2 in Kai Tak Area CKL1 - Flat 121 Cha Kwo Ling Village CKL2 - Flat 103 Cha Kwo Ling Village

The schedule may be changed due to unforeseen circumstances (adverse weather, safety concerns, etc.) *Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2) **24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Tentative Impact Air and Noise Monitoring Schedule (August 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1-Aug	2-Aug	3-Aug
				24-hr TSP	Noise	
4-Aug	5-Aug	6-Aug	7-Aug	8-Aug	9-Aug	10-Aug
			24-hr TSP	Noise		
11-Aug	12-Aug	13-Aug	14-Aug	15-Aug	16-Aug	17-Aug
		24-hr TSP	Noise			
18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	23-Aug	24-Aug
	24-hr TSP	Noise				24-hr TSP
25-Aug	26-Aug	27-Aug	28-Aug	29-Aug	30-Aug	31-Aug
	Noise				24-hr TSP	

The schedule may be changed due to unforeseen circumstances (adverse weather, safety concerns, etc.)

*Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

**24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

Air Quality Monitoring Station

24-hr TSP

- KTD1 Centre of Excellence in Paediatrics (Children's Hospital)
- KTD2d Next to the SOR Office of Trunk Road T2 in Kai Tak Area
- KER1 Future Residential Development at Kerry Godown
- CKL1 Flat 121 Cha Kwo Ling Village
- CKL2 Flat 103 Cha Kwo Ling Village

Cha Kwo Ling Village

The schedule may be changed due to unforeseen circumstances (adverse weather, safety concerns, etc.)

*Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

**24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

- Noise Monitoring Station
- KTD1 Centre of Excellence in Paediatrics (Children's Hospital) KER1 - Future Residential Development at Kerry Godown KTD2d - Next to the SOR Office of Trunk Road T2 in Kai Tak Area CKL1 - Flat 121 Cha Kwo Ling Village CKL2 - Flat 103 Cha Kwo Ling Village

Contract No. ED/2018/04 Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Tentative Impact Air and Noise Monitoring Schedule (September 2024)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1-Sep	2-Sep	3-Sep	4-Sep	5-Sep	6-Sep	7-Sep
				24-hr TSP	Noise	
8-Sep	9-Sep	10-Sep	11-Sep	12-Sep	13-Sep	14-Sep
		· · · ·	24-hr TSP	Noise		
15-Sep	16-Sep	17-Sep	18-Sep	19-Sep	20-Sep	21-Sep
	24-hr TSP	Noise				24-hr TSP
22-Sep	23-Sep	24-Sep	25-Sep	26-Sep	27-Sep	28-Sep
	Noise				24-hr TSP	
29-Sep	30-Sep					

The schedule may be changed due to unforeseen circumstances (adverse weather, safety concerns, etc.)

*Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

**24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

Air Quality Monitoring Station

24-hr TSP

- KTD1 Centre of Excellence in Paediatrics (Children's Hospital)
- KTD2d Next to the SOR Office of Trunk Road T2 in Kai Tak Area
- KER1 Future Residential Development at Kerry Godown
- CKL1 Flat 121 Cha Kwo Ling Village
- CKL2 Flat 103 Cha Kwo Ling Village

Noise Monitoring Station

KTD1 - Centre of Excellence in Paediatrics (Children's Hospital) KER1 - Future Residential Development at Kerry Godown KTD2d - Next to the SOR Office of Trunk Road T2 in Kai Tak Area CKL1 - Flat 121 Cha Kwo Ling Village CKL2 - Flat 103 Cha Kwo Ling Village

The schedule may be changed due to unforeseen circumstances (adverse weather, safety concerns, etc.) *Noise: Noise Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2) **24-hr TSP:24-hr TSP Monitoring works in both Kai Tak and Cha Kwo Ling (KTD1, KTD2d, KER1, CKL1 and CKL2)

APPENDIX C COPIES OF CALIBRATION CERTIFICATES FOR AIR QUALITY MONITORING

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Certificate of Calibration - Wind Monitoring Station

Yau Lai Estate, Bik Lai House
Davis Instruments
<u>Davis7440</u>
<u>MC01010A44</u>
<u>SA-03-04</u>
<u>18-Feb-2024</u>
<u>18-Aug-2024</u>

1. Performance check of Wind Speed

Wind Sp	beed, m/s	Difference D (m/s)		
Wind Speed Reading (V1) Anemometer Value (V2)		D = V1 - V2		
0.0 0.0		0.0		
1.5	1.7	-0.2		
2.5 2.4		0.1		
4.0	3.8	0.2		

2. Performance check of Wind Direction

Wind Di	rection (°)	Difference D (°)		
Wind Direction Reading (W1)	Marine Compass Value (W2)	$\mathbf{D} = \mathbf{W1} - \mathbf{W2}$		
0 0		0.0		
90	90	0.0		
180	180	0.0		
270	270	0.0		

Test Specification:

1. Performance Wind Speed Test - The wind meter was on-site calibrated against the anemometer

2. Performance Wind Direction Test - The wind meter was on-site calibrated against the marine compass at four direction

15 viro	n m	ent	al	J			Di Janua	ALIBRATION UE DATE: ary 15, 2025
	Ge	rtifa	cate				tion	
			Calibration	Certificatio	on Informat	ion		
Cal. Date: Ja	nuary 15,	2024	Rootsr	neter S/N:	438320	Ta:	294	°К
Operator: Ji	m Tisch					Pa:	755.4	mm Hg
Calibration Mo	ndel #•	TE-5025A	Calib	orator S/N:	3864			0
	Juci III	12 30234	Cuin		0004			
		Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔΡ	ΔH	
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(in H2O)	
	1	1	2	1	1.4380	3.3	2.00	
	2	3	4	1	1.0270	6.4	4.00	
	3	5	6	1	0.9180	8.0	5.00	
	4	7	8	1	0.8750	8.9	5.50	
	5	9	10	1	0.7230	12.9	8.00	
			D	Data Tabula	tion			
	Vetd	Octd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right)}$			0-	$\sqrt{\Delta H(Ta/Pa)}$	
	Vstd	Qstd					/	
	(m3) 1.0031	(x-axis) 0.6975	(y-axi 1.419		Va 0.9956	(x-axis) 0.6924	(y-axis) 0.8823	
-	0.9989	0.9727	2.007		0.9915	0.9655	1.2477	
- F	0.9968	1.0858	2.244		0.9894	1.0778	1.3950	
F	0.9956	1.1378	2.353		0.9882	1.1294	1.4631	
	0.9903	1.3697	2.839	90	0.9829	1.3595	1.7645	
		m=	2.111	.96		m=	1.32248	
	QSTD	b=	-0.050		QA	b=	-0.03134	
		r=	0.999	98		r=	0.99998	
				Calculatio	าร			
	Vstd=	ΔVol((Pa-ΔP)	/Pstd)(Tstd/Ta			ΔVol((Pa-ΔF	P)/Pa)	
		Vstd/∆Time				Va/∆Time		
	For subsequent flow rate calculations:							
	Qstd=	1/m ((__H(Pa <u>Tstd</u> Pstd Ta))-b)	Qa=	1/m ((√ΔH	(Ta/Pa))-b)	
		Conditions						
Tstd:	298.15			[RECA	IBRATION	
Pstd:		mm Hg				mmondo		n non 1000
		ey er reading (i	n H2O)				nual recalibratio	· /
ΔH: calibrator							egulations Part 5 Reference Meth	
ΔP: rootsmeter manometer reading (mm Hg) Ta: actual absolute temperature (°K)							ended Particulate	1
Pa: actual baro							re, 9.2.17, page 3	
and the second se					UIR LIR	- Autospile	, c, J.z.r, page :	
b: intercept m: slope				L				

Tisch Environmental, Inc. 145 South Miami Avenue Village of Cleves, OH 45002

<u>www.tisch-env.com</u> TOLL FREE: (877)263-7610 FAX: (513)467-9009



File No. MA20003/18/026

Project No.	CKL 1 - Flat 1	21 Cha Kwo Lin							
Date:	4-May-24		Next Due Date:	4-Jul-24	Operator:	SK			
Equipment No.:	A-01-18		Model No.:	TE 5170	Serial No.	0723			
Ambient Condition									
Temperatu	re, Ta (K)	297	Pressure, Pa (mmH	Hg)	757				

Orifice Transfer Standard Information							
Serial No.	3864	Slope, mc	0.05976	Intercept, bc	-0.05018		
Last Calibration Date:	15-Jan-24	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$					
Next Calibration Date:	14-Jan-25		Qstd = $\{[\Delta H]$	$(Pa/760) \times (298/Ta)]^{1/2} - bc$	/ mc		

		Calibration of	TSP Sampler					
Calibration		Orfice			HVS			
Point	ΔH (orifice), in. of water	$[\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2} $ Y- axis			
1	13.8	3.71	62.98	9.3	3.05			
2	10.4	3.22	54.79	7.2	2.68			
3	8.7	2.95	50.18	5.4	2.32			
4	6.4	2.53	43.16	3.5	1.87			
5	3.8	1.95	33.45	2.0	1.41			
Slope , mw = Correlation	By Linear Regression of Y on X Slope , mw =0.0572 Intercept, bw :0.5326 Correlation coefficient* =0.9962							
*If Correlation C	Coefficient < 0.990), check and recalibrate.						
		Set Point (Calculation					
From the TSP Fi	eld Calibration C	urve, take Qstd = 43 CFM						
From the Regres	sion Equation, the	e "Y" value according to						
Therefore, Se	et Point; W = (mv	$\mathbf{mw} \mathbf{x} \mathbf{Qstd} + \mathbf{bw} = [\Delta \mathbf{W}]$ w x Qstd + bw) ² x (760 / Pa) x (760 / Pa) x (760 / Pa)						
Remarks:								
Conducted by:	Wong Shi	ng Kwai Signature:	k	y.L	Date: 4-May-24			
Checked by:	Henry I	Leung Signature:	-lem	j Xon j	Date: 4-May-24			



File No. MA20003/55/026

Project No.	CKL 2 - Flat 102					
Date:	4-Ma	ay-24	Next Due Date:	4-Jul-24	Operator:	SK
Equipment No.:	A-0	1-55	Model No.:	TE 5170	Serial No.	1956
			Ambient Condit	ion		
Temperatu	re, Ta (K)	297	Pressure, Pa (mmI	-Ig)	757	

Orifice Transfer Standard Information						
Serial No.	3864	Slope, mc	0.05976	Intercept, bc	-0.05018	
Last Calibration Date:	15-Jan-24	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$				
Next Calibration Date:	14-Jan-25		$\mathbf{Qstd} = \{ [\Delta \mathbf{H} \mathbf{x}] \}$	$\left(\text{Pa/760} \right) x \left(298/\text{Ta} \right) \right]^{1/2} \text{-bc} \} / $	mc	

Calibration of TSP Sampler							
Calibration		Orfice			HVS		
Point	ΔH (orifice), in. of water	[ΔH x (Pa/760) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \times (Pa/760) \times \mathbf{Y}$ -axis		
1	13.8	3.71	62.98	9.7	3.11		
2	11.5	3.39	57.57	7.7	2.77		
3	9.6	3.10	52.67	6.0	2.45		
4	5.8	2.41	41.13	3.0	1.73		
5	3.7	1.92	33.02	2.0	1.41		
By Linear Regression of Y on X Slope , mw =0.0578 Intercept, bw :0.5654 Correlation coefficient* =0.9965 *If Correlation Coefficient < 0.990, check and recalibrate.							
		Set Point C urve, take Qstd = 43 CFM e "Y" value according to mw x Qstd + bw = [ΔW x		98/Ta)] ^{1/2}			
Therefore, Se	et Point; W = (mv	$(x + bw)^2 x (760 / Pa) x ($	Ta / 298) =	3.70			
Remarks:	Remarks:						
Conducted by:	Wong Shi		X	Ŋ.	Date: 4-	May-24	
Checked by:	Henry I	Leung Signature:	-lem	1 X27	Date: 4-	May-24	

CIN@TECH 4

File No. MA20003/04/0024

Project No.	KER 1 - Future						
Date:	10-N	May-24	Next Due Date:	10-Jul-24	Operator:	SK	
Equipment No.:	A-(01-04	Model No.:	TE 5170	Serial No.	10595	
			Ambient Condition	on			
Temperatu	ire. Ta (K)	298.3	Pressure, Pa (mmH	(g)	761.4		

Orifice Transfer Standard Information							
Serial No. 3864 Slope, mc 0.05976 Intercept, bc -0.05018							
Last Calibration Date:	15-Jan-24]	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$				
Next Calibration Date:	14-Jan-25	Qstd = { $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$ -bc} / mc					

	Calibration of TSP Sampler							
Calibration		Orfice			HVS			
Point	ΔH (orifice), in. of water	$[\Delta H \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Y-axis			
1	13.5	3.68	62.35	9.1	3.02			
2	10.8	3.29	55.85	7.2	2.68			
3	8.7	2.95	50.22	5.4	2.32			
4	5.6	2.37	40.46	3.5	1.87			
5	3.8	1.95	33.47	2.2	1.48			
By Linear Regression of Y on X Slope , mw = 0.0529 Intercept, bw : -0.2864								
	coefficient* =	0.9991						
*If Correlation C	Coefficient < 0.990), check and recalibrate.						
			Calculation					
		urve, take Qstd = 43 CFM						
From the Regres	sion Equation, the	"Y" value according to						
		mw x Qstd + bw = $[\Delta W$	x (Pa/760) x (29	98/Ta)] ^{1/2}				
Therefore, Se	et Point; W = (mv	$(x + bw)^2 x (760 / Pa) x$	(Ta / 298) =	3.95	· <u>·····</u> ·····			
Remarks:								
Conducted by:	Wong Shi	ng Kwai Signatur		火.	Date: 10-May-24			
Checked by:	Henry I	Leung Signature	e: I-len	y May	Date: 10-May-24			



File No. MA20003/44/0023

Project No.	KTD1 - Centre					
Date:	10-1	May-24	Next Due Date:	10-Jul-24	Operator:	SK
Equipment No.:	A-4	01-44	Model No.:	TE-5170	Serial No.	1316
			Ambient Conditi	ion		
Temperatu	ire. Ta (K)	298.3	Pressure, Pa (mmH	Hg)	761.4	

Orifice Transfer Standard Information						
Serial No. 3864 Slope, mc 0.05976 Intercept, bc -0.05018						
Last Calibration Date:	15-Jan-24	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$				
Next Calibration Date:	14-Jan-25	Qstd = { $[\Delta H \times (Pa/760) \times (298/Ta)]^{1/2}$ -bc} / mc				

Calibration of TSP Sampler								
Calibration		Orfice			HVS			
Point	ΔH (orifice), in. of water	[ΔH x (Pa/760) x (298/Ta)] ^{1/2}	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Y-axis			
1	13.7	3.70	62.80	9.6	3.10			
2	11.4	3.38	57.36	7.4	2.72			
3	9.2	3.03	51.62	5.6	2.37			
4	6.5	2.55	43.52	3.8	1.95			
5	3.9	1.98	33.90	2.2	1.48			
Slope , mw = Correlation	By Linear Regression of Y on X Slope , mw = 0.0553 Intercept, bw = -0.4336 Correlation coefficient* = 0.9972 *If Correlation Coefficient < 0.990, check and recalibrate.							
			N N N /					
		Set Point (alculation					
		urve, take Qstd = 43 CFM						
	-	w x Qstd + bw = $[\Delta W$ w x Qstd + bw $)^2$ x (760 / Pa) x (
Remarks:								
Conducted by:	Wong Shi	ng Kwai Signature	: <u>k</u>	<u>у</u>	Date: 10-May-24			
Checked by:	Henry I	Leung Signature	: \-lem	, Xoy	Date: 10-May-24			



File No. MA20003/41/0024

Project No.	KTD 2D - Net	TD 2D - Next to the SOR Office of Trunk Road T2 in Kai Tak Area							
Date:	10-	May-24	Next Due Date:	10-Jul	-24	Operator:	SK		
Equipment No.:	А	-01-41	Model No.:	TE 51	.70	Serial No.	5280		
			Ambient Condit	tion					
Temperatu	ıre, Ta (K)	298.3	Pressure, Pa (mml	Hg)		761.4			
	Orifice Transfer Standard Information								
							i i		

	Ornice Transfer Standard Information						
Serial No.	3864	Slope, mc	0.05976	Intercept, bc	-0.05018		
Last Calibration Date:	15-Jan-24	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$					
Next Calibration Date:	14-Jan-25		$\mathbf{Qstd} = \{ [\Delta \mathbf{H} \mathbf{x}] \}$	$\left({Pa/760} \right) x \left({298/Ta} \right) \right]^{1/2} \mbox{-bc} \} \mbox{/}$	mc		

Calibration of TSP Sampler							
Calibration	Orfice				HVS		
Point	ΔH (orifice), in. of water	$[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	ΔW (HVS), in. of water	$[\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Y-axis		
1	14.2	3.77	63.92	9.5	3.08		
2	11.7	3.42	58.10	8.5	2.92		
3	9.7	3.12	52.98	6.3	2.51		
4	7.2	2.68	45.76	4.4	2.10		
5	4.0	2.00	34.32	2.1	1.45		
Slope , mw = Correlation	By Linear Regression of Y on X Slope , mw =0.0572 Intercept, bw :0.5068 Correlation coefficient* =0.9958 *If Correlation Coefficient < 0.990, check and recalibrate.						
From the Regres	sion Equation, the	Set Point C irve, take Qstd = 43 CFM "Y" value according to $mw x Qstd + bw = [\Delta W$	x (Pa/760) x (2				
Therefore, Set Point; $W = (mw x Qstd + bw)^2 x (760 / Pa) x (Ta / 298) = 3.81$ Remarks:							
·	Wong Shi Henry I	ng Kwai Signature Leung Signature	: :le	N. Janj	Date: 10-May-24 Date: 10-May-24		

APPENDIX D WEATHER INFORMATION

Date	Mean Air Temperature $(^{\circ}C)^{1}$	Mean Relative Humidity	Precipitation (mm) ³
		(%) ²	
1-Jun-24	27.1	88	54.2
2-Jun-24	28.0	84	3.2
3-Jun-24	25.3	91	8.6
4-Jun-24	24.1	86	2.9
5-Jun-24	24.4	90	8.5
6-Jun-24	26.5	88	Trace
7-Jun-24	25.6	92	1.6
8-Jun-24	26.3	90	6.8
9-Jun-24	26.6	93	33.5
10-Jun-24	28.5	85	0.2
11-Jun-24	29.1	84	0.6
12-Jun-24	29.5	83	8.3
13-Jun-24	29.9	83	4.9
14-Jun-24	29.7	82	32.0
15-Jun-24	28.2	86	28.3
16-Jun-24	28.8	86	17.5
17-Jun-24	30.1	80	Trace
18-Jun-24	29.9	81	4.6
19-Jun-24	30.0	80	9.4
20-Jun-24	30.0	82	5.0
21-Jun-24	30.8	76	0.0
22-Jun-24	31.2	75	0.0
23-Jun-24	30.5	78	4.7
24-Jun-24	30.8	77	0.3
25-Jun-24	30.1	79	19.0
26-Jun-24	30.4	79	0.0
27-Jun-24	30.7	79	1.4
28-Jun-24	31.0	75	1.6
29-Jun-24	29.2	82	15.5
30-Jun-24	30.3	79	8.7

Appendix D - Weather Conditions During Impact Monitoring Period

(Reporting Month: June 2024)

Remarks:

Source - Hong Kong Observatory

¹⁻³Retrieved from Manned Weather Station (Hong Kong Observatory) (22°18'07" N, 114°10'27" E)

June 2024					
	Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s		
1 Jun 2024	12:00 AM	WNW	3.7		
1 Jun 2024	1:00 AM	W	3.8		
1 Jun 2024	2:00 AM	W	2.6		
1 Jun 2024	3:00 AM	W	3.2		
1 Jun 2024	4:00 AM	SSW	1.7		
1 Jun 2024	5:00 AM	SSE	0.8		
1 Jun 2024	6:00 AM	SSW	1.4		
1 Jun 2024	7:00 AM	WSW	1.9		
1 Jun 2024	8:00 AM	SW	1.1		
1 Jun 2024	9:00 AM	S	1.5		
1 Jun 2024	10:00 AM	SSE	1.3		
1 Jun 2024	11:00 AM	SSE	1.5		
1 Jun 2024	12:00 PM	SSW	1.3		
1 Jun 2024	1:00 PM	S	1.2		
1 Jun 2024	2:00 PM	SSE	1.9		
1 Jun 2024	3:00 PM	SSE	2.1		
1 Jun 2024	4:00 PM	S	2.5		
1 Jun 2024	5:00 PM	SSE	2.4		
1 Jun 2024	6:00 PM	SSE	1.9		
1 Jun 2024	7:00 PM	S	1.8		
1 Jun 2024	8:00 PM	SSE	1.8		
1 Jun 2024	9:00 PM	SSE	1.6		
1 Jun 2024	10:00 PM	SSE	1.3		
1 Jun 2024	11:00 PM	SSE	1.1		
2 Jun 2024	12:00 AM	SE	1.0		
2 Jun 2024	1:00 AM	SSE	1.2		
2 Jun 2024	2:00 AM	SSE	1.0		
2 Jun 2024	3:00 AM	SE	0.7		
2 Jun 2024	4:00 AM	SE	0.4		

	June 2024				
	Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s		
2 Jun 2024	5:00 AM	SSE	0.9		
2 Jun 2024	6:00 AM	SSE	0.5		
2 Jun 2024	7:00 AM	SSE	0.4		
2 Jun 2024	8:00 AM	S	0.6		
2 Jun 2024	9:00 AM	SSE	1.1		
2 Jun 2024	10:00 AM	SSE	0.7		
2 Jun 2024	11:00 AM	SSE	1.1		
2 Jun 2024	12:00 PM	SSE	0.9		
2 Jun 2024	1:00 PM	SSE	1.0		
2 Jun 2024	2:00 PM	SSW	0.8		
2 Jun 2024	3:00 PM	SE	0.8		
2 Jun 2024	4:00 PM	SSW	0.6		
2 Jun 2024	5:00 PM	SW	0.8		
2 Jun 2024	6:00 PM	SW	1.1		
2 Jun 2024	7:00 PM	SE	0.8		
2 Jun 2024	8:00 PM	SSE	0.7		
2 Jun 2024	9:00 PM	S	0.4		
2 Jun 2024	10:00 PM	S	0.0		
2 Jun 2024	11:00 PM	S	0.0		
3 Jun 2024	12:00 AM	S	0.2		
3 Jun 2024	1:00 AM	S	0.1		
3 Jun 2024	2:00 AM	S	0.2		
3 Jun 2024	3:00 AM	S	0.0		
3 Jun 2024	4:00 AM	S	0.3		
3 Jun 2024	5:00 AM	SSW	0.4		
3 Jun 2024	6:00 AM	SW	1.2		
3 Jun 2024	7:00 AM	S	0.8		
3 Jun 2024	8:00 AM	S	1.0		
3 Jun 2024	9:00 AM	S	1.1		

June 2024					
	Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s		
3 Jun 2024	10:00 AM	SSE	0.4		
3 Jun 2024	11:00 AM	S	0.4		
3 Jun 2024	12:00 PM	S	0.2		
3 Jun 2024	1:00 PM	SE	0.3		
3 Jun 2024	2:00 PM	SSW	0.6		
3 Jun 2024	3:00 PM	SW	0.9		
3 Jun 2024	4:00 PM	SW	1.3		
3 Jun 2024	5:00 PM	WSW	1.3		
3 Jun 2024	6:00 PM	WSW	1.4		
3 Jun 2024	7:00 PM	W	1.6		
3 Jun 2024	8:00 PM	W	1.6		
3 Jun 2024	9:00 PM	W	2.2		
3 Jun 2024	10:00 PM	WSW	1.0		
3 Jun 2024	11:00 PM	WSW	1.1		
4 Jun 2024	12:00 AM	SW	1.2		
4 Jun 2024	1:00 AM	SW	1.5		
4 Jun 2024	2:00 AM	WSW	1.8		
4 Jun 2024	3:00 AM	SW	1.3		
4 Jun 2024	4:00 AM	WSW	1.6		
4 Jun 2024	5:00 AM	SW	0.9		
4 Jun 2024	6:00 AM	WSW	1.5		
4 Jun 2024	7:00 AM	SSW	0.9		
4 Jun 2024	8:00 AM	SSW	1.5		
4 Jun 2024	9:00 AM	S	1.4		
4 Jun 2024	10:00 AM	SSW	1.5		
4 Jun 2024	11:00 AM	WSW	2.0		
4 Jun 2024	12:00 PM	SW	1.1		
4 Jun 2024	1:00 PM	SSE	1.4		
4 Jun 2024	2:00 PM	S	1.2		

June 2024				
Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s	
4 Jun 2024	3:00 PM	S	1.7	
4 Jun 2024	4:00 PM	WSW	2.2	
4 Jun 2024	5:00 PM	SSW	1.7	
4 Jun 2024	6:00 PM	SW	0.9	
4 Jun 2024	7:00 PM	SW	1.4	
4 Jun 2024	8:00 PM	S	0.9	
4 Jun 2024	9:00 PM	SW	1.0	
4 Jun 2024	10:00 PM	W	1.7	
4 Jun 2024	11:00 PM	SW	1.0	
5 Jun 2024	12:00 AM	SW	1.4	
5 Jun 2024	1:00 AM	SW	1.0	
5 Jun 2024	2:00 AM	SSW	1.1	
5 Jun 2024	3:00 AM	S	0.6	
5 Jun 2024	4:00 AM	S	0.7	
5 Jun 2024	5:00 AM	SSW	0.5	
5 Jun 2024	6:00 AM	S	0.6	
5 Jun 2024	7:00 AM	S	0.5	
5 Jun 2024	8:00 AM	S	0.6	
5 Jun 2024	9:00 AM	WSW	1.1	
5 Jun 2024	10:00 AM	SSW	1.5	
5 Jun 2024	11:00 AM	SW	1.5	
5 Jun 2024	12:00 PM	SW	1.7	
5 Jun 2024	1:00 PM	WSW	1.5	
5 Jun 2024	2:00 PM	W	1.7	
5 Jun 2024	3:00 PM	WSW	1.2	
5 Jun 2024	4:00 PM	WSW	1.0	
5 Jun 2024	5:00 PM	SW	0.8	
5 Jun 2024	6:00 PM	W	1.2	
5 Jun 2024	7:00 PM	SSE	0.6	

June 2024					
	Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s		
5 Jun 2024	8:00 PM	SW	0.8		
5 Jun 2024	9:00 PM	S	0.7		
5 Jun 2024	10:00 PM	SSE	1.0		
5 Jun 2024	11:00 PM	SSE	0.8		
6 Jun 2024	12:00 AM	SSE	0.5		
6 Jun 2024	1:00 AM	S	0.4		
6 Jun 2024	2:00 AM	S	0.7		
6 Jun 2024	3:00 AM	S	0.7		
6 Jun 2024	4:00 AM	SSE	0.2		
6 Jun 2024	5:00 AM	SSE	0.6		
6 Jun 2024	6:00 AM	SSE	0.9		
6 Jun 2024	7:00 AM	S	1.0		
6 Jun 2024	8:00 AM	S	1.0		
6 Jun 2024	9:00 AM	S	0.9		
6 Jun 2024	10:00 AM	SSW	1.1		
6 Jun 2024	11:00 AM	W	1.4		
6 Jun 2024	12:00 PM	S	0.9		
6 Jun 2024	1:00 PM	S	1.4		
6 Jun 2024	2:00 PM	S	1.6		
6 Jun 2024	3:00 PM	SSW	1.0		
6 Jun 2024	4:00 PM	WSW	0.5		
6 Jun 2024	5:00 PM	SSW	0.4		
6 Jun 2024	6:00 PM	SW	0.7		
6 Jun 2024	7:00 PM	SE	0.3		
6 Jun 2024	8:00 PM	W	0.8		
6 Jun 2024	9:00 PM	SW	0.6		
6 Jun 2024	10:00 PM	SW	0.7		
6 Jun 2024	11:00 PM	S	0.6		
7 Jun 2024	12:00 AM	SSW	0.5		

	June 2024				
	Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s		
7 Jun 2024	1:00 AM	SW	0.3		
7 Jun 2024	2:00 AM	SSW	0.3		
7 Jun 2024	3:00 AM	S	0.3		
7 Jun 2024	4:00 AM	SSE	0.3		
7 Jun 2024	5:00 AM	SSE	0.6		
7 Jun 2024	6:00 AM	SSW	1.2		
7 Jun 2024	7:00 AM	SSW	1.1		
7 Jun 2024	8:00 AM	SSW	1.4		
7 Jun 2024	9:00 AM	SSW	1.6		
7 Jun 2024	10:00 AM	S	1.6		
7 Jun 2024	11:00 AM	SW	1.6		
7 Jun 2024	12:00 PM	S	1.5		
7 Jun 2024	1:00 PM	SSW	1.7		
7 Jun 2024	2:00 PM	SSW	1.5		
7 Jun 2024	3:00 PM	S	1.1		
7 Jun 2024	4:00 PM	S	1.0		
7 Jun 2024	5:00 PM	SSE	0.8		
7 Jun 2024	6:00 PM	S	1.1		
7 Jun 2024	7:00 PM	S	1.1		
7 Jun 2024	8:00 PM	SSE	0.7		
7 Jun 2024	9:00 PM	S	1.1		
7 Jun 2024	10:00 PM	S	0.8		
7 Jun 2024	11:00 PM	SSE	0.6		
8 Jun 2024	12:00 AM	S	1.0		
8 Jun 2024	1:00 AM	S	1.1		
8 Jun 2024	2:00 AM	S	0.7		
8 Jun 2024	3:00 AM	SE	0.4		
8 Jun 2024	4:00 AM	S	0.5		
8 Jun 2024	5:00 AM	SSE	0.2		

	June 2024			
Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s	
8 Jun 2024	6:00 AM	S	0.3	
8 Jun 2024	7:00 AM	SSE	0.4	
8 Jun 2024	8:00 AM	SSW	0.5	
8 Jun 2024	9:00 AM	SSW	0.7	
8 Jun 2024	10:00 AM	SE	0.6	
8 Jun 2024	11:00 AM	SE	0.7	
8 Jun 2024	12:00 PM	S	0.9	
8 Jun 2024	1:00 PM	SE	1.2	
8 Jun 2024	2:00 PM	SSE	1.0	
8 Jun 2024	3:00 PM	WSW	2.1	
8 Jun 2024	4:00 PM	WSW	1.8	
8 Jun 2024	5:00 PM	WSW	1.7	
8 Jun 2024	6:00 PM	W	1.6	
8 Jun 2024	7:00 PM	S	0.9	
8 Jun 2024	8:00 PM	S	1.0	
8 Jun 2024	9:00 PM	SE	0.4	
8 Jun 2024	10:00 PM	S	0.4	
8 Jun 2024	11:00 PM	S	0.6	
9 Jun 2024	12:00 AM	W	1.2	
9 Jun 2024	1:00 AM	S	0.6	
9 Jun 2024	2:00 AM	S	0.8	
9 Jun 2024	3:00 AM	SE	0.5	
9 Jun 2024	4:00 AM	SSE	0.3	
9 Jun 2024	5:00 AM	S	0.7	
9 Jun 2024	6:00 AM	S	0.3	
9 Jun 2024	7:00 AM	SE	1.1	
9 Jun 2024	8:00 AM	SSW	0.7	
9 Jun 2024	9:00 AM	S	0.7	
9 Jun 2024	10:00 AM	SW	0.4	

	June 2024				
	Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s		
9 Jun 2024	11:00 AM	S	0.5		
9 Jun 2024	12:00 PM	SSE	0.1		
9 Jun 2024	1:00 PM	S	0.2		
9 Jun 2024	2:00 PM	SSE	0.2		
9 Jun 2024	3:00 PM	S	0.3		
9 Jun 2024	4:00 PM	SSE	0.2		
9 Jun 2024	5:00 PM	SSE	0.2		
9 Jun 2024	6:00 PM	S	0.2		
9 Jun 2024	7:00 PM	SE	0.1		
9 Jun 2024	8:00 PM	S	0.0		
9 Jun 2024	9:00 PM	SSE	0.0		
9 Jun 2024	10:00 PM	S	0.1		
9 Jun 2024	11:00 PM	S	0.1		
10 Jun 2024	12:00 AM	SSE	0.0		
10 Jun 2024	1:00 AM	SSW	0.0		
10 Jun 2024	2:00 AM	ESE	0.0		
10 Jun 2024	3:00 AM	SSE	0.0		
10 Jun 2024	4:00 AM	S	0.4		
10 Jun 2024	5:00 AM	SE	0.1		
10 Jun 2024	6:00 AM	SSE	0.1		
10 Jun 2024	7:00 AM	SSE	0.1		
10 Jun 2024	8:00 AM	SW	0.8		
10 Jun 2024	9:00 AM	WSW	1.0		
10 Jun 2024	10:00 AM	W	1.2		
10 Jun 2024	11:00 AM	SW	1.8		
10 Jun 2024	12:00 PM	SW	1.5		
10 Jun 2024	1:00 PM	SW	1.4		
10 Jun 2024	2:00 PM	SW	1.2		
10 Jun 2024	3:00 PM	S	0.9		

	June 2024				
	Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s		
10 Jun 2024	4:00 PM	SSE	0.9		
10 Jun 2024	5:00 PM	WSW	1.2		
10 Jun 2024	6:00 PM	WSW	1.3		
10 Jun 2024	7:00 PM	SSW	0.8		
10 Jun 2024	8:00 PM	S	0.4		
10 Jun 2024	9:00 PM	SSE	0.4		
10 Jun 2024	10:00 PM	S	0.3		
10 Jun 2024	11:00 PM	SSE	0.3		
11 Jun 2024	12:00 AM	SSE	0.4		
11 Jun 2024	1:00 AM	SSE	0.4		
11 Jun 2024	2:00 AM	SSE	0.3		
11 Jun 2024	3:00 AM	S	0.2		
11 Jun 2024	4:00 AM	S	0.2		
11 Jun 2024	5:00 AM	S	0.1		
11 Jun 2024	6:00 AM	SSW	0.2		
11 Jun 2024	7:00 AM	SSW	0.5		
11 Jun 2024	8:00 AM	S	0.8		
11 Jun 2024	9:00 AM	S	1.0		
11 Jun 2024	10:00 AM	SSE	1.3		
11 Jun 2024	11:00 AM	SSE	1.6		
11 Jun 2024	12:00 PM	SSW	1.9		
11 Jun 2024	1:00 PM	SSE	1.3		
11 Jun 2024	2:00 PM	SSE	1.5		
11 Jun 2024	3:00 PM	SSE	1.5		
11 Jun 2024	4:00 PM	SSE	0.9		
11 Jun 2024	5:00 PM	SE	1.2		
11 Jun 2024	6:00 PM	SE	1.2		
11 Jun 2024	7:00 PM	SSE	0.8		
11 Jun 2024	8:00 PM	SE	0.8		

June 2024					
	Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s		
11 Jun 2024	9:00 PM	SW	0.7		
11 Jun 2024	10:00 PM	S	0.5		
11 Jun 2024	11:00 PM	S	0.7		
12 Jun 2024	12:00 AM	SW	0.8		
12 Jun 2024	1:00 AM	SW	0.7		
12 Jun 2024	2:00 AM	SSW	0.5		
12 Jun 2024	3:00 AM	SSW	0.8		
12 Jun 2024	4:00 AM	SSW	0.7		
12 Jun 2024	5:00 AM	W	1.0		
12 Jun 2024	6:00 AM	SSW	1.0		
12 Jun 2024	7:00 AM	SSW	1.1		
12 Jun 2024	8:00 AM	S	1.1		
12 Jun 2024	9:00 AM	SSE	1.3		
12 Jun 2024	10:00 AM	SSE	1.5		
12 Jun 2024	11:00 AM	SSE	1.5		
12 Jun 2024	12:00 PM	SE	1.9		
12 Jun 2024	1:00 PM	SSE	1.6		
12 Jun 2024	2:00 PM	S	1.8		
12 Jun 2024	3:00 PM	S	1.6		
12 Jun 2024	4:00 PM	SSE	1.0		
12 Jun 2024	5:00 PM	SSE	1.2		
12 Jun 2024	6:00 PM	SSE	1.0		
12 Jun 2024	7:00 PM	S	1.2		
12 Jun 2024	8:00 PM	SSE	1.3		
12 Jun 2024	9:00 PM	SE	1.1		
12 Jun 2024	10:00 PM	SSE	1.1		
12 Jun 2024	11:00 PM	SSE	1.0		
13 Jun 2024	12:00 AM	S	1.0		
13 Jun 2024	1:00 AM	S	0.7		

June 2024				
Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s	
13 Jun 2024	2:00 AM	S	0.7	
13 Jun 2024	3:00 AM	SSE	1.2	
13 Jun 2024	4:00 AM	S	1.0	
13 Jun 2024	5:00 AM	SSE	1.0	
13 Jun 2024	6:00 AM	S	0.9	
13 Jun 2024	7:00 AM	S	0.8	
13 Jun 2024	8:00 AM	SSE	1.2	
13 Jun 2024	9:00 AM	S	1.4	
13 Jun 2024	10:00 AM	SSE	1.6	
13 Jun 2024	11:00 AM	SE	1.5	
13 Jun 2024	12:00 PM	SE	1.5	
13 Jun 2024	1:00 PM	SSE	1.6	
13 Jun 2024	2:00 PM	SE	1.9	
13 Jun 2024	3:00 PM	SSE	1.9	
13 Jun 2024	4:00 PM	SSE	1.6	
13 Jun 2024	5:00 PM	SSE	1.4	
13 Jun 2024	6:00 PM	SSE	1.1	
13 Jun 2024	7:00 PM	SSE	1.0	
13 Jun 2024	8:00 PM	SSW	0.9	
13 Jun 2024	9:00 PM	S	0.4	
13 Jun 2024	10:00 PM	S	0.6	
13 Jun 2024	11:00 PM	S	0.5	
14 Jun 2024	12:00 AM	SW	0.5	
14 Jun 2024	1:00 AM	W	1.1	
14 Jun 2024	2:00 AM	SW	0.9	
14 Jun 2024	3:00 AM	S	0.7	
14 Jun 2024	4:00 AM	SSW	0.6	
14 Jun 2024	5:00 AM	S	0.7	
14 Jun 2024	6:00 AM	SSE	0.6	

June 2024				
Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s	
14 Jun 2024	7:00 AM	SSW	0.8	
14 Jun 2024	8:00 AM	WSW	1.0	
14 Jun 2024	9:00 AM	S	1.2	
14 Jun 2024	10:00 AM	S	1.0	
14 Jun 2024	11:00 AM	SW	0.9	
14 Jun 2024	12:00 PM	S	0.6	
14 Jun 2024	1:00 PM	S	0.6	
14 Jun 2024	2:00 PM	S	1.2	
14 Jun 2024	3:00 PM	S	1.0	
14 Jun 2024	4:00 PM	SSE	0.9	
14 Jun 2024	5:00 PM	SSE	0.9	
14 Jun 2024	6:00 PM	S	0.7	
14 Jun 2024	7:00 PM	SSE	0.7	
14 Jun 2024	8:00 PM	SSE	0.4	
14 Jun 2024	9:00 PM	SSE	0.4	
14 Jun 2024	10:00 PM	SSW	0.3	
14 Jun 2024	11:00 PM	S	0.3	
15 Jun 2024	12:00 AM	S	0.3	
15 Jun 2024	1:00 AM	S	0.4	
15 Jun 2024	2:00 AM	S	0.4	
15 Jun 2024	3:00 AM	S	0.6	
15 Jun 2024	4:00 AM	SW	0.8	
15 Jun 2024	5:00 AM	SSW	0.8	
15 Jun 2024	6:00 AM	S	1.7	
15 Jun 2024	7:00 AM	SSE	1.4	
15 Jun 2024	8:00 AM	WSW	1.3	
15 Jun 2024	9:00 AM	SW	0.7	
15 Jun 2024	10:00 AM	SSE	0.6	
15 Jun 2024	11:00 AM	SSW	0.6	

June 2024				
Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s	
15 Jun 2024	12:00 PM	SSW	0.9	
15 Jun 2024	1:00 PM	SSE	0.7	
15 Jun 2024	2:00 PM	S	1.0	
15 Jun 2024	3:00 PM	SSE	1.5	
15 Jun 2024	4:00 PM	SSW	0.7	
15 Jun 2024	5:00 PM	SSW	0.6	
15 Jun 2024	6:00 PM	S	1.7	
15 Jun 2024	7:00 PM	S	0.4	
15 Jun 2024	8:00 PM	SSE	0.8	
15 Jun 2024	9:00 PM	S	0.7	
15 Jun 2024	10:00 PM	S	0.5	
15 Jun 2024	11:00 PM	SSE	0.2	
16 Jun 2024	12:00 AM	SSE	0.1	
16 Jun 2024	1:00 AM	S	0.2	
16 Jun 2024	2:00 AM	S	0.0	
16 Jun 2024	3:00 AM	S	0.0	
16 Jun 2024	4:00 AM	SSE	0.2	
16 Jun 2024	5:00 AM	S	0.2	
16 Jun 2024	6:00 AM	SSE	0.1	
16 Jun 2024	7:00 AM	SSE	0.2	
16 Jun 2024	8:00 AM	SSW	0.3	
16 Jun 2024	9:00 AM	S	0.4	
16 Jun 2024	10:00 AM	SE	1.0	
16 Jun 2024	11:00 AM	SSE	1.2	
16 Jun 2024	12:00 PM	SE	0.7	
16 Jun 2024	1:00 PM	SSE	0.9	
16 Jun 2024	2:00 PM	SSE	1.2	
16 Jun 2024	3:00 PM	S	1.5	
16 Jun 2024	4:00 PM	S	1.5	

June 2024				
Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s	
16 Jun 2024	5:00 PM	SSE	1.3	
16 Jun 2024	6:00 PM	SSE	1.1	
16 Jun 2024	7:00 PM	SSE	0.8	
16 Jun 2024	8:00 PM	S	0.8	
16 Jun 2024	9:00 PM	SSW	0.9	
16 Jun 2024	10:00 PM	SSW	0.7	
16 Jun 2024	11:00 PM	SSE	0.7	
17 Jun 2024	12:00 AM	S	0.6	
17 Jun 2024	1:00 AM	SSE	0.5	
17 Jun 2024	2:00 AM	SSW	0.5	
17 Jun 2024	3:00 AM	SSE	0.3	
17 Jun 2024	4:00 AM	S	0.5	
17 Jun 2024	5:00 AM	S	0.3	
17 Jun 2024	6:00 AM	SSE	0.3	
17 Jun 2024	7:00 AM	SW	0.6	
17 Jun 2024	8:00 AM	SW	1.2	
17 Jun 2024	9:00 AM	SW	1.5	
17 Jun 2024	10:00 AM	WSW	2.5	
17 Jun 2024	11:00 AM	SW	1.6	
17 Jun 2024	12:00 PM	SSW	1.5	
17 Jun 2024	1:00 PM	SW	1.5	
17 Jun 2024	2:00 PM	SSW	1.4	
17 Jun 2024	3:00 PM	SW	1.6	
17 Jun 2024	4:00 PM	WSW	2.1	
17 Jun 2024	5:00 PM	SW	1.9	
17 Jun 2024	6:00 PM	WSW	1.8	
17 Jun 2024	7:00 PM	W	1.5	
17 Jun 2024	8:00 PM	W	1.5	
17 Jun 2024	9:00 PM	WSW	1.6	

June 2024					
	Wind Speed and Directions				
Date	Time	Direction	Wind Speed m-s		
17 Jun 2024	10:00 PM	SW	1.8		
17 Jun 2024	11:00 PM	SSW	1.2		
18 Jun 2024	12:00 AM	SW	1.4		
18 Jun 2024	1:00 AM	S	0.9		
18 Jun 2024	2:00 AM	SSW	0.8		
18 Jun 2024	3:00 AM	SSW	0.7		
18 Jun 2024	4:00 AM	WSW	1.2		
18 Jun 2024	5:00 AM	SW	0.8		
18 Jun 2024	6:00 AM	SSW	0.4		
18 Jun 2024	7:00 AM	S	0.7		
18 Jun 2024	8:00 AM	WSW	1.7		
18 Jun 2024	9:00 AM	SW	1.3		
18 Jun 2024	10:00 AM	SW	1.3		
18 Jun 2024	11:00 AM	SW	1.7		
18 Jun 2024	12:00 PM	SSW	1.4		
18 Jun 2024	1:00 PM	SW	1.6		
18 Jun 2024	2:00 PM	SSW	1.3		
18 Jun 2024	3:00 PM	S	1.4		
18 Jun 2024	4:00 PM	W	1.7		
18 Jun 2024	5:00 PM	W	1.8		
18 Jun 2024	6:00 PM	NW	2.0		
18 Jun 2024	7:00 PM	W	1.9		
18 Jun 2024	8:00 PM	W	1.7		
18 Jun 2024	9:00 PM	W	1.4		
18 Jun 2024	10:00 PM	WSW	1.4		
18 Jun 2024	11:00 PM	NW	1.5		
19 Jun 2024	12:00 AM	W	1.1		
19 Jun 2024	1:00 AM	SW	1.1		
19 Jun 2024	2:00 AM	WNW	1.6		

	June	2024			
	Wind Speed a	and Directions			
Date	Time	Direction	Wind Speed m-s		
19 Jun 2024	3:00 AM	SW	0.9		
19 Jun 2024	4:00 AM	SSW	0.7		
19 Jun 2024	5:00 AM	SE	0.5		
19 Jun 2024	6:00 AM	SSW	0.5		
19 Jun 2024	7:00 AM	SSE	0.8		
19 Jun 2024	8:00 AM	S	1.0		
19 Jun 2024	9:00 AM	WSW	1.9		
19 Jun 2024	10:00 AM	SW	1.6		
19 Jun 2024	11:00 AM	SW	2.4		
19 Jun 2024	12:00 PM	WSW	2.1		
19 Jun 2024	1:00 PM	W	2.1		
19 Jun 2024	2:00 PM	SW	1.7		
19 Jun 2024	3:00 PM	WSW	2.2		
19 Jun 2024	4:00 PM	W	2.4		
19 Jun 2024	5:00 PM	WNW	2.3		
19 Jun 2024	6:00 PM	W	2.2		
19 Jun 2024	7:00 PM	W	1.7		
19 Jun 2024	8:00 PM	WSW	1.7		
19 Jun 2024	9:00 PM	WNW	2.7		
19 Jun 2024	10:00 PM	SW	1.4		
19 Jun 2024	11:00 PM	WNW	2.0		
20 Jun 2024	12:00 AM	WSW	1.7		
20 Jun 2024	1:00 AM	W	1.5		
20 Jun 2024	2:00 AM	WNW	1.5		
20 Jun 2024	3:00 AM	W	1.1		
20 Jun 2024	4:00 AM	SW	0.8		
20 Jun 2024	5:00 AM	S	0.4		
20 Jun 2024	6:00 AM	SSW	0.4		
20 Jun 2024	7:00 AM	SW	1.2		

	June	2024			
	Wind Speed a	and Directions			
Date	Time	Direction	Wind Speed m-s		
20 Jun 2024	8:00 AM	SW	1.4		
20 Jun 2024	9:00 AM	SW	1.8		
20 Jun 2024	10:00 AM	S	1.4		
20 Jun 2024	11:00 AM	SW	1.7		
20 Jun 2024	12:00 PM	S	1.6		
20 Jun 2024	1:00 PM	SW	1.8		
20 Jun 2024	2:00 PM	SSW	1.6		
20 Jun 2024	3:00 PM	SW	1.6		
20 Jun 2024	4:00 PM	SW	1.6		
20 Jun 2024	5:00 PM	W	3.0		
20 Jun 2024	6:00 PM	WNW	3.0		
20 Jun 2024	7:00 PM	WNW	2.7		
20 Jun 2024	8:00 PM	SW	1.6		
20 Jun 2024	9:00 PM	SW	1.9		
20 Jun 2024	10:00 PM	SW	1.2		
20 Jun 2024	11:00 PM	WSW	2.0		
21 Jun 2024	12:00 AM	W	2.3		
21 Jun 2024	1:00 AM	W	1.4		
21 Jun 2024	2:00 AM	WNW	1.0		
21 Jun 2024	3:00 AM	SW	0.5		
21 Jun 2024	4:00 AM	W	1.0		
21 Jun 2024	5:00 AM	SSW	0.7		
21 Jun 2024	6:00 AM	SW	0.6		
21 Jun 2024	7:00 AM	SW	0.9		
21 Jun 2024	8:00 AM	W	1.6		
21 Jun 2024	9:00 AM	S	1.1		
21 Jun 2024	10:00 AM	SW	1.6		
21 Jun 2024	11:00 AM	W	2.3		
21 Jun 2024	12:00 PM	SSW	2.0		

	June	2024			
	Wind Speed a	and Directions			
Date	Time	Direction	Wind Speed m-s		
21 Jun 2024	1:00 PM	SSW	1.8		
21 Jun 2024	2:00 PM	WSW	2.1		
21 Jun 2024	3:00 PM	S	1.8		
21 Jun 2024	4:00 PM	SW	1.6		
21 Jun 2024	5:00 PM	WSW	1.8		
21 Jun 2024	6:00 PM	W	1.7		
21 Jun 2024	7:00 PM	NW	2.1		
21 Jun 2024	8:00 PM	WNW	1.9		
21 Jun 2024	9:00 PM	WNW	2.3		
21 Jun 2024	10:00 PM	W	2.0		
21 Jun 2024	11:00 PM	WNW	2.8		
22 Jun 2024	12:00 AM	WNW	2.5		
22 Jun 2024	1:00 AM	W	1.9		
22 Jun 2024	2:00 AM	W	2.4		
22 Jun 2024	3:00 AM	NW	2.2		
22 Jun 2024	4:00 AM	W	1.9		
22 Jun 2024	5:00 AM	W	1.3		
22 Jun 2024	6:00 AM	WSW	1.0		
22 Jun 2024	7:00 AM	WSW	1.3		
22 Jun 2024	8:00 AM	WSW	1.3		
22 Jun 2024	9:00 AM	SW	1.8		
22 Jun 2024	10:00 AM	SW	1.8		
22 Jun 2024	11:00 AM	WSW	2.1		
22 Jun 2024	12:00 PM	W	2.4		
22 Jun 2024	1:00 PM	WSW	1.8		
22 Jun 2024	2:00 PM	WSW	2.6		
22 Jun 2024	3:00 PM	SW	1.9		
22 Jun 2024	4:00 PM	WSW	2.0		
22 Jun 2024	5:00 PM	W	2.6		

	June	2024			
	Wind Speed a	and Directions			
Date	Time	Direction	Wind Speed m-s		
22 Jun 2024	6:00 PM	WSW	1.8		
22 Jun 2024	7:00 PM	WNW	2.0		
22 Jun 2024	8:00 PM	WNW	2.1		
22 Jun 2024	9:00 PM	W	1.8		
22 Jun 2024	10:00 PM	WSW	1.4		
22 Jun 2024	11:00 PM	WNW	1.7		
23 Jun 2024	12:00 AM	W	1.6		
23 Jun 2024	1:00 AM	SSW	1.3		
23 Jun 2024	2:00 AM	SSW	0.6		
23 Jun 2024	3:00 AM	SSE	0.6		
23 Jun 2024	4:00 AM	S	0.8		
23 Jun 2024	5:00 AM	SSE	0.4		
23 Jun 2024	6:00 AM	SSE	0.7		
23 Jun 2024	7:00 AM	W	1.5		
23 Jun 2024	8:00 AM	WNW	2.5		
23 Jun 2024	9:00 AM	W	2.4		
23 Jun 2024	10:00 AM	SSW	1.6		
23 Jun 2024	11:00 AM	SSW	1.8		
23 Jun 2024	12:00 PM	SSW	1.9		
23 Jun 2024	1:00 PM	S	1.7		
23 Jun 2024	2:00 PM	SSW	1.6		
23 Jun 2024	3:00 PM	SSW	1.6		
23 Jun 2024	4:00 PM	S	1.7		
23 Jun 2024	5:00 PM	SW	1.9		
23 Jun 2024	6:00 PM	WSW	1.8		
23 Jun 2024	7:00 PM	WSW	2.1		
23 Jun 2024	8:00 PM	W	1.8		
23 Jun 2024	9:00 PM	WSW	0.9		
23 Jun 2024	10:00 PM	W	1.8		

	June	2024				
	Wind Speed a	and Directions				
Date	Time	Direction	Wind Speed m-s			
23 Jun 2024	11:00 PM	W	1.8			
24 Jun 2024	12:00 AM	W	1.8			
24 Jun 2024	1:00 AM	W	1.9			
24 Jun 2024	2:00 AM	WNW	2.6			
24 Jun 2024	3:00 AM	WNW	2.7			
24 Jun 2024	4:00 AM	WSW	1.6			
24 Jun 2024	5:00 AM	W	1.9			
24 Jun 2024	6:00 AM	W	2.3			
24 Jun 2024	7:00 AM	SW	1.4			
24 Jun 2024	8:00 AM	WSW	1.9			
24 Jun 2024	9:00 AM	SSW	1.7			
24 Jun 2024	10:00 AM	SW	2.1			
24 Jun 2024	11:00 AM	SSW	1.6			
24 Jun 2024	12:00 PM	WSW	2.5			
24 Jun 2024	1:00 PM	SW	2.0			
24 Jun 2024	2:00 PM	W	2.3			
24 Jun 2024	3:00 PM	SSW	1.8			
24 Jun 2024	4:00 PM	SW	1.5			
24 Jun 2024	5:00 PM	S	1.3			
24 Jun 2024	6:00 PM	WNW	1.9			
24 Jun 2024	7:00 PM	W	1.8			
24 Jun 2024	8:00 PM	WNW	2.2			
24 Jun 2024	9:00 PM	WNW	2.4			
24 Jun 2024	10:00 PM	WNW	2.4			
24 Jun 2024	11:00 PM	WNW	2.1			
25 Jun 2024	12:00 AM	WNW	2.0			
25 Jun 2024	1:00 AM	W	2.4			
25 Jun 2024	2:00 AM	W	2.5			
25 Jun 2024	3:00 AM	WNW	2.4			

	June	2024			
	Wind Speed a	and Directions			
Date	Time	Direction	Wind Speed m-s		
25 Jun 2024	4:00 AM	WSW	1.7		
25 Jun 2024	5:00 AM	WNW	1.7		
25 Jun 2024	6:00 AM	S	0.9		
25 Jun 2024	7:00 AM	WSW	1.4		
25 Jun 2024	8:00 AM	W	1.6		
25 Jun 2024	9:00 AM	SW	1.6		
25 Jun 2024	10:00 AM	SSW	2.1		
25 Jun 2024	11:00 AM	SSW	1.9		
25 Jun 2024	12:00 PM	SW	2.3		
25 Jun 2024	1:00 PM	WSW	2.7		
25 Jun 2024	2:00 PM	SSW	1.7		
25 Jun 2024	3:00 PM	WSW	1.8		
25 Jun 2024	4:00 PM	W	2.2		
25 Jun 2024	5:00 PM	WNW	1.9		
25 Jun 2024	6:00 PM	WSW	2.1		
25 Jun 2024	7:00 PM	S	0.6		
25 Jun 2024	8:00 PM	WSW	1.1		
25 Jun 2024	9:00 PM	SW	1.2		
25 Jun 2024	10:00 PM	S	0.8		
25 Jun 2024	11:00 PM	S	0.6		
26 Jun 2024	12:00 AM	SSE	0.7		
26 Jun 2024	1:00 AM	S	0.6		
26 Jun 2024	2:00 AM	S	0.6		
26 Jun 2024	3:00 AM	S	0.9		
26 Jun 2024	4:00 AM	S	0.6		
26 Jun 2024	5:00 AM	S	0.5		
26 Jun 2024	6:00 AM	SSE	0.5		
26 Jun 2024	7:00 AM	S	1.0		
26 Jun 2024	8:00 AM	SSW	1.3		

	June 2024									
	Wind Speed a	and Directions								
Date	Time	Direction	Wind Speed m-s							
26 Jun 2024	9:00 AM	W	2.2							
26 Jun 2024	10:00 AM	W	2.4							
26 Jun 2024	11:00 AM	WSW	2.8							
26 Jun 2024	12:00 PM	SSW	1.7							
26 Jun 2024	1:00 PM	WSW	2.4							
26 Jun 2024	2:00 PM	S	1.3							
26 Jun 2024	3:00 PM	WSW	1.7							
26 Jun 2024	4:00 PM	WSW	1.4							
26 Jun 2024	5:00 PM	WSW	1.7							
26 Jun 2024	6:00 PM	WNW	2.0							
26 Jun 2024	7:00 PM	WNW	1.7							
26 Jun 2024	8:00 PM	SW	0.7							
26 Jun 2024	9:00 PM	SSW	0.7							
26 Jun 2024	10:00 PM	SSW	0.5							
26 Jun 2024	11:00 PM	SSW	0.5							
27 Jun 2024	12:00 AM	S	0.4							
27 Jun 2024	1:00 AM	S	0.1							
27 Jun 2024	2:00 AM	SSE	0.5							
27 Jun 2024	3:00 AM	SSE	0.6							
27 Jun 2024	4:00 AM	S	0.7							
27 Jun 2024	5:00 AM	S	0.7							
27 Jun 2024	6:00 AM	S	0.2							
27 Jun 2024	7:00 AM	SSW	0.5							
27 Jun 2024	8:00 AM	W	1.4							
27 Jun 2024	9:00 AM	S	1.4							
27 Jun 2024	10:00 AM	SSW	1.5							
27 Jun 2024	11:00 AM	SSW	1.2							
27 Jun 2024	12:00 PM	SSW	1.4							
27 Jun 2024	1:00 PM	SSW	1.6							

	June 2024									
	Wind Speed a	and Directions								
Date	Time	Direction	Wind Speed m-s							
27 Jun 2024	2:00 PM	SW	1.7							
27 Jun 2024	3:00 PM	S	1.5							
27 Jun 2024	4:00 PM	SW	1.7							
27 Jun 2024	5:00 PM	WSW	1.8							
27 Jun 2024	6:00 PM	WNW	2.7							
27 Jun 2024	7:00 PM	W	1.1							
27 Jun 2024	8:00 PM	W	1.2							
27 Jun 2024	9:00 PM	WNW	1.8							
27 Jun 2024	10:00 PM	WNW	1.9							
27 Jun 2024	11:00 PM	W	1.5							
28 Jun 2024	12:00 AM	WNW	1.6							
28 Jun 2024	1:00 AM	WNW	1.9							
28 Jun 2024	2:00 AM	WNW	2.0							
28 Jun 2024	3:00 AM	WNW	2.3							
28 Jun 2024	4:00 AM	W	2.1							
28 Jun 2024	5:00 AM	W	1.2							
28 Jun 2024	6:00 AM	SW	0.5							
28 Jun 2024	7:00 AM	WNW	1.2							
28 Jun 2024	8:00 AM	W	1.6							
28 Jun 2024	9:00 AM	SE	1.0							
28 Jun 2024	10:00 AM	SW	1.7							
28 Jun 2024	11:00 AM	SW	1.8							
28 Jun 2024	12:00 PM	SW	2.0							
28 Jun 2024	1:00 PM	SSW	2.3							
28 Jun 2024	2:00 PM	SSW	1.7							

	June 2024										
	Wind Speed a	and Directions									
Date	Time	Direction	Wind Speed m-s								
28 Jun 2024	3:00 PM	SW	1.9								
28 Jun 2024	4:00 PM	SW	1.8								
28 Jun 2024	5:00 PM	SW	1.8								
28 Jun 2024	6:00 PM	W	2.0								
28 Jun 2024	7:00 PM	WNW	2.2								
28 Jun 2024	8:00 PM	WNW	1.7								
28 Jun 2024	9:00 PM	WNW	2.7								
28 Jun 2024	10:00 PM	WNW	2.0								
28 Jun 2024	11:00 PM	W	2.6								
29 Jun 2024	12:00 AM	WNW	2.4								
29 Jun 2024	1:00 AM	WNW	2.2								
29 Jun 2024	2:00 AM	W	0.9								
29 Jun 2024	3:00 AM	S	0.6								
29 Jun 2024	4:00 AM	S	0.4								
29 Jun 2024	5:00 AM	SSW	0.7								
29 Jun 2024	6:00 AM	SSE	0.3								
29 Jun 2024	7:00 AM	SW	0.7								
29 Jun 2024	8:00 AM	SE	0.2								
29 Jun 2024	9:00 AM	SSW	1.2								
29 Jun 2024	10:00 AM	SSE	1.3								
29 Jun 2024	11:00 AM	SSE	1.8								
29 Jun 2024	12:00 PM	SSE	2.0								
29 Jun 2024	1:00 PM	S	2.0								
29 Jun 2024	2:00 PM	SSE	1.6								
29 Jun 2024	3:00 PM	SE	1.5								
29 Jun 2024	4:00 PM	SSE	1.7								
29 Jun 2024	5:00 PM	SE	1.3								
29 Jun 2024	6:00 PM	SSW	1.5								

	June	2024			
	Wind Speed a	and Directions			
Date	Time	Direction	Wind Speed m-s		
29 Jun 2024	7:00 PM	S	1.3		
29 Jun 2024	8:00 PM	SSE	1.3		
29 Jun 2024	9:00 PM	WSW	1.9		
29 Jun 2024	10:00 PM	SSW	1.1		
29 Jun 2024	11:00 PM	SSE	0.8		
30 Jun 2024	12:00 AM	SSE	1.1		
30 Jun 2024	1:00 AM	SSE	1.0		
30 Jun 2024	2:00 AM	SSE	1.3		
30 Jun 2024	3:00 AM	SE	1.3		
30 Jun 2024	4:00 AM	SSE	1.3		
30 Jun 2024	5:00 AM	S	1.0		
30 Jun 2024	6:00 AM	S	1.0		
30 Jun 2024	7:00 AM	SSE	1.1		
30 Jun 2024	8:00 AM	SSE	1.1		
30 Jun 2024	9:00 AM	S	1.2		
30 Jun 2024	10:00 AM	SSE	1.7		
30 Jun 2024	11:00 AM	SE	2.2		
30 Jun 2024	12:00 PM	SSE	2.2		
30 Jun 2024	1:00 PM	SSE	2.0		
30 Jun 2024	2:00 PM	SSE	1.9		
30 Jun 2024	3:00 PM	SSE	1.8		
30 Jun 2024	4:00 PM	S	1.9		
30 Jun 2024	5:00 PM	SSE	1.5		
30 Jun 2024	6:00 PM	SSE	1.1		
30 Jun 2024	7:00 PM	WSW	1.7		
30 Jun 2024	8:00 PM	WSW	1.5		
30 Jun 2024	9:00 PM	S	1.2		
30 Jun 2024	10:00 PM	S	1.1		
30 Jun 2024	11:00 PM	SSE	0.9		

APPENDIX F 24-HOUR TSP MONITORING RESULTS AND GRAPHICAL PRESENTATIONS

Appendix F - 24-hour TSP Impact Monitoring Results

Location CKL1 - Flat 121 Cha Kwo Ling Village

Start Date	Weather	Air Temp.	Atmospheric Pressure,	Filter W	'eight (g)	Particulate	Elaps	e Time	Sampling	Flow Rate	e (m ³ /min.)	Av. Flow	Total vol.	Conc.	Action Level	Limit Level
Otan Date	Condition	(K)	Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)	(µg/m3)	(µg/m3)
5-Jun-24	Cloudy	298.5	758.3	3.3386	3.4431	0.1045	7800.8	7824.8	24.0	1.22	1.21	1.22	1751.0	59.7		
11-Jun-24	Cloudy	302.3	756.6	3.3474	3.4948	0.1474	7824.8	7848.8	24.0	1.21	1.21	1.21	1740.7	84.7		
17-Jun-24	Fine	303.0	755.7	3.3168	3.3899	0.0731	7848.8	7872.8	24.0	1.21	1.21	1.21	1738.3	42.1	191.0	260.0
22-Jun-24	Cloudy	303.9	755.9	3.3481	3.4195	0.0714	7872.8	7896.8	24.0	1.21	1.21	1.21	1736.6	41.1		
27-Jun-24	Fine	303.9	758.4	3.3672	3.4542	0.0870	7896.9	7920.9	24.0	1.21	1.21	1.21	1738.9	50.0		
Note:	Bold Italic means A	Action Level exce	edance										Min	41.1		
	Bold Italic with une	derline means l	imit Level exceedance										Max	84.7		
													Average	55.5		

Location CKL2 - Flat 103 Cha Kwo Ling Village

Start Date	Weather	Air Temp.	Atmospheric Pressure,	Filter W	eight (g)	Particulate	Elaps	e Time	Sampling	Flow Rate	e (m³/min.)	Av. Flow	Total vol.	Conc.	Action Level	Limit Level
Otart Date	Condition	(K)	Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)	(µg/m3)	(µg/m3)
5-Jun-24	Fine	298.5	758.3	3.3400	3.5700	0.2300	20254.7	20278.7	24.0	1.22	1.22	1.22	1752.3	131.3		
11-Jun-24	Rainy	302.3	756.6	3.3262	3.6410	0.3148	20278.7	20302.7	24.0	1.21	1.21	1.21	1742.2	180.7		
17-Jun-24	Fine	303.0	755.7	3.3535	3.6070	0.2535	20302.7	20326.7	24.0	1.21	1.21	1.21	1739.8	145.7	183.0	260.0
22-Jun-24	Cloudy	303.9	755.9	3.3197	3.4698	0.1501	20326.7	20350.7	24.0	1.21	1.21	1.21	1738.1	86.4		
27-Jun-24	Fine	303.9	758.4	3.3745	3.5450	0.1705	20375.7	20399.7	24.0	1.21	1.21	1.21	1740.3	98.0		
Note:	Bold Italic means /	Action Level exce	edance										Min	86.4		
	Bold Italic with underline means Limit Level exceedance											Max	180.7			
													Average	128.4		

Location KTD1 - Centre of Excellence in Paediatrics (Children's Hospital)

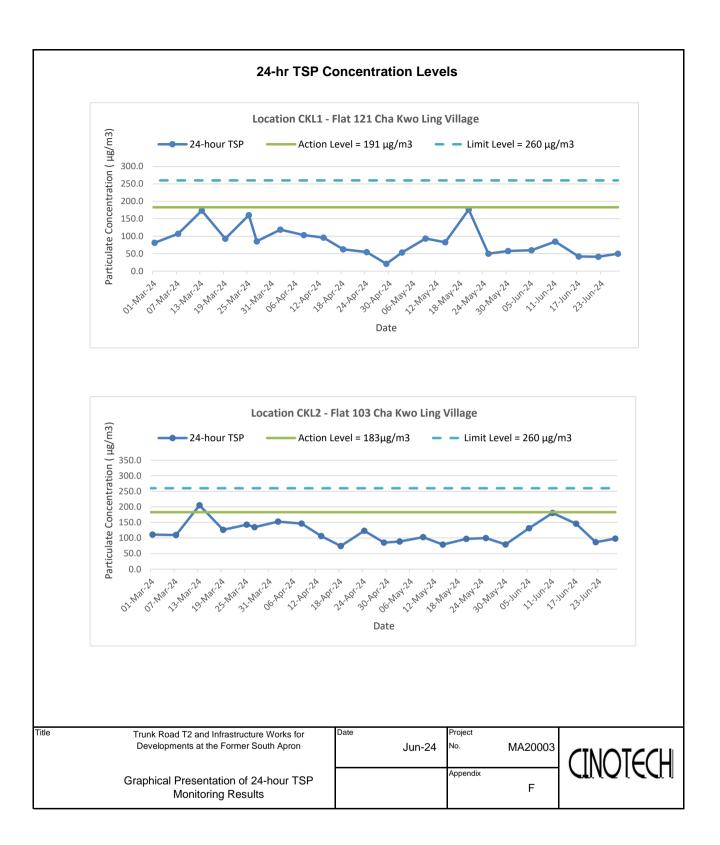
Start Date	Weather		Atmospheric Pressure,			Particulate	e Elapse Time Sampling		Flow Rate (m ³ /min.)		Av. Flow	Total vol.	Conc.	Action Level	Limit Level	
Otan Date	Condition	(K)	Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)	(µg/m3)	(µg/m3)
5-Jun-24	Rainy	298.5	758.3	3.3571	3.4025	0.0455	19148.1	19172.1	24.0	1.22	1.21	1.22	1749.6	26.0		
11-Jun-24	Cloudy	302.3	756.6	3.3128	3.3485	0.0357	19172.1	19196.1	24.0	1.21	1.21	1.21	1738.9	20.5		
17-Jun-24	Sunny	303.0	755.7	3.3435	3.5021	0.1586	19196.1	19220.1	24.0	1.21	1.21	1.21	1736.4	91.3	177.0	260.0
22-Jun-24	Fine	303.9	755.9	3.3434	3.3720	0.0286	19220.1	19244.1	24.0	1.20	1.21	1.20	1734.6	16.5		
27-Jun-24	Fine	303.9	758.4	3.3553	3.3852	0.0299	19244.1	19268.1	24.0	1.21	1.21	1.21	1736.9	17.2		
Note: Bold Italia means Action Level exceedance Min 16.5						16.5										
	Bold Italic with underline means Limit Level exceedance							Max	91.3							
													Average	41.4		

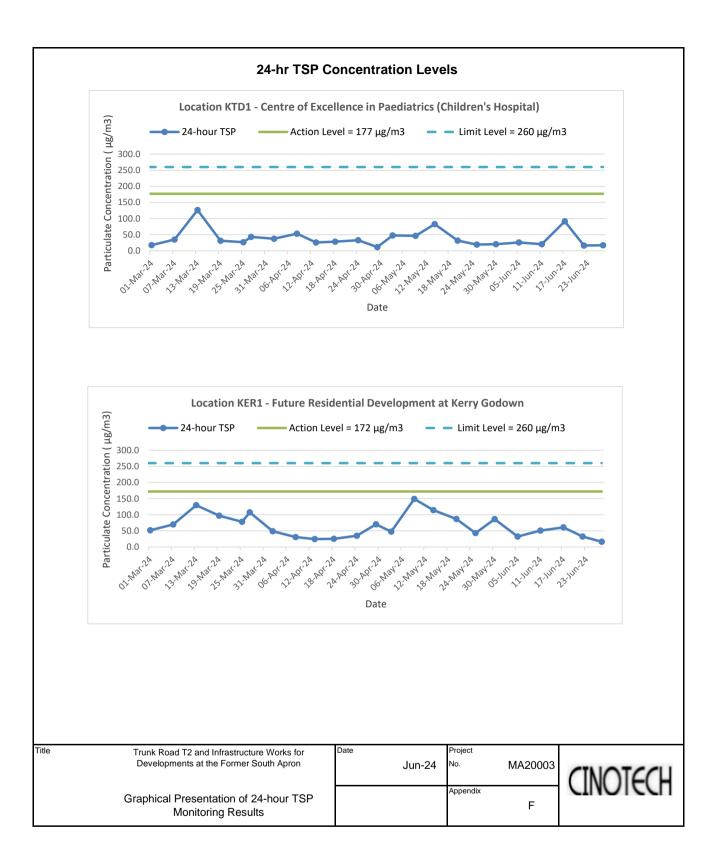
Location KER1 - Future Residential Development at Kerry Godown

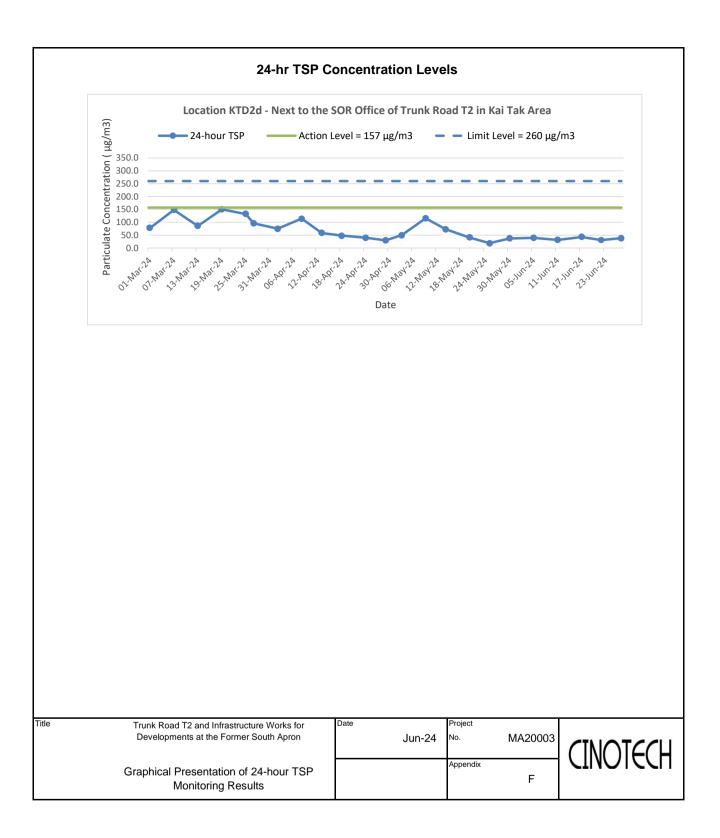
Start Date	Weather		Atmospheric Pressure,			Particulate			Flow Rate (m ³ /min.)		Av. Flow	Total vol.	Conc.	Action Level		
Otart Date	Condition	(K)	Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)	(µg/m3)	(µg/m3)
5-Jun-24	Cloudy	298.5	758.3	3.3575	3.4140	0.0566	16945.3	16969.3	24.0	1.22	1.21	1.21	1748.9	32.4		
11-Jun-24	Cloudy	302.3	756.6	3.3332	3.4219	0.0887	16969.3	16993.3	24.0	1.21	1.21	1.21	1737.4	51.0		
17-Jun-24	Fine	303.0	755.7	3.3685	3.4741	0.1056	16993.3	17017.3	24.0	1.20	1.20	1.20	1734.7	60.9	172.0	260.0
22-Jun-24	Fine	303.9	755.9	3.3056	3.3617	0.0560	17017.3	17041.3	24.0	1.20	1.20	1.20	1732.8	32.3		
27-Jun-24	Fine	303.9	758.4	3.3434	3.3720	0.0286	17041.3	17065.3	24.0	1.21	1.20	1.21	1735.3	16.5		
Note:	Bold Italic means A	Action Level exce	edance										Min	16.5		
	Bold Italic with underline means Limit Level exceedance							Max	60.9							
													Average	38.6		

Location KTD2d - Next to the SOR Office of Trunk Road T2 in Kai Tak Area

Start Date	Weather	Air Temp.	Atmospheric Pressure,	Filter W	Filter Weight (g) Part		Elaps	e Time	Sampling	Flow Rate	e (m³/min.)	Av. Flow	Total vol.	Conc.	Action Level	
Otart Date	Condition	(K)	Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)	(µg/m3)	(µg/m3)
5-Jun-24	Cloudy	298.5	758.3	3.3665	3.4358	0.0693	17679.9	17703.9	24.0	1.22	1.21	1.21	1749.2	39.6		
11-Jun-24	Cloudy	302.3	756.6	3.3330	3.3871	0.0541	17703.9	17727.9	24.0	1.21	1.21	1.21	1738.7	31.1		
17-Jun-24	Fine	303.0	755.7	3.3092	3.3832	0.0740	17727.9	17751.9	24.0	1.21	1.21	1.21	1736.3	42.6	157.0	260.0
22-Jun-24	Cloudy	303.9	755.9	3.3438	3.3971	0.0533	17751.9	17775.9	24.0	1.20	1.21	1.20	1734.5	30.7		
27-Jun-24	Fine	303.9	758.4	3.3092	3.3759	0.0667	17775.9	17799.9	24.0	1.21	1.21	1.21	1736.8	38.4		
Note: Bold Italic means Action Level exceedance Min 30.7																
	Bold Italic with underline means Limit Level exceedance					Max	42.6									
													Average	36.5		







APPENDIX G COPIES OF CALIBRATION CERTIFICATES FOR NOISE MONITORING

Report No.

Rm 1904, Technology Park 18 On Lai Street, Shatin NT, Hong Kong Tel: +852 3841 4388 Website: https://www.hpct.com.hk

: 00568



Issue Date : 14 Feb 2024

: HP00436 Application No. **Certificate of Calibration** Applicant : Cinotech Consultants Limited RM 1710, Technology Park, 18 On Lai Street, Shatin, N.T., Hong Kong Sample Description : Submitted equipment stated to be Integrating Sound Level Meter. Equipment No.: : N-12-03 Manufacturer: : BSWA Technology Other information : Model No. **BSWA 308** Serial No. 570188 Microphone No. 570608

Date Received	:	05 Feb 2024
Test Period	:	07 Feb 2024 to 07 Feb 2024
Test Requested	:	Performance checking for Sound Level Meter
Test Method	:	The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent.
Test conditions	:	Room Temperature: 22-25 degree Celsius Relative Humidity: 35-70%
Test Result	:	Refer to the test result(s) on page 2.

Remark : 1. Information of the sample description provided by the Applicant.2. The result(s) relate only to the items tested or calibrated.

The result(s) relate only to the items tested of camprated.

For and on behalf of HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit Laboratory Manager

Rm 1904, Technology Park 18 On Lai Street, Shatin NT, Hong Kong Tel: +852 3841 4388 Website: https://www.hpct.com.hk

:

:



Issue Date : 14 Feb 2024

Report No.:00568Application No.:HP00436

Certificate of Calibration

Measuring

equipment

Description	Sound Calibrator
Manufacturer	Brüel & Kjær
Model No.	TYPE 4231
Serial No.	2326353
Equipment No.	N-02-01

Test Result

Reference value, dB	Indication value, dB	Deviation, dB	Allowed deviation, dB
94.0	94.0	± 0.0	± 1.5
114.0	113.9	- 0.1	± 1.5

Note : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

2. The indication value was obtained from the average of ten replicated measurement.

- End of report -

Report No.

Rm 1904, Technology Park 18 On Lai Street, Shatin NT, Hong Kong Tel: +852 3841 4388 Website: https://www.hpct.com.hk

: 00396



: 02 Aug 2023

Issue Date

Application No. : HP00278 **Certificate of Calibration** Applicant : Cinotech Consultants Limited RM 1710, Technology Park, 18 On Lai Street, Shatin, N.T., Hong Kong Sample Description : Submitted equipment stated to be Sound Level Calibrator. Equipment No.: : N-13-02 Manufacturer: : SOUNDTEK Other information : Model No. ST-120 Serial No. 181001636 : 01 Aug 2023 Date Received Test Period : 01 Aug 2023 to 01 Aug 2023 : Performance checking for Sound Level Calibrator **Test Requested** Test Method : The Sound Level Meter and Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent. **Test conditions** : Room Temperature: 22-25 degree Celsius Relative Humidity: 35-70%

Test Result : Refer to the test result(s) on page 2.

Remark : 1. Information of the sample description provided by the Applicant.

2. The result(s) relate only to the items tested or calibrated.

For and on behalf of HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit

Lee Wal Kit Laboratory Manager

Rm 1904, Technology Park 18 On Lai Street, Shatin NT, Hong Kong Tel: +852 3841 4388 Website: https://www.hpct.com.hk

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Report No.:00396Application No.:HP00278

<u>Certificate of Calibration</u>

Measuring equipment

Description	Sound Calibrator
Manufacturer	Brüel & Kjær
Model No.	TYPE 4231
Serial No.	2326353
Equipment No.	N-02-01
Description	Sound Meter
Manufacturer	SVANTEK
Model No.	SVAN 977
Serial No.	92677
Microphone No.	10352
Equipment No.	N-14-01

Test Result

Reference value, dB	Indication value, dB	Deviation, dB	Allowed deviation, dB
94.0	94.1	+ 0.1	± 0.3
114.0	114.3	+ 0.3	± 0.5

- Note : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.
 - 2. The indication value was obtained from the average of ten replicated measurement.

- End of report -

Issue Date : 02 Aug 2023

Rm 1904, Technology Park 18 On Lai Street, Shatin NT, Hong Kong Tel: +852 3841 4388 Website: https://www.hpct.com.hk

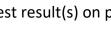


: 00389 Issue Date : 20 Jul 2023 Report No. Application No. : HP00262 **Certificate of Calibration** Applicant : Cinotech Consultants Limited RM 1710, Technology Park, 18 On Lai Street, Shatin, N.T., Hong Kong Sample Description : Submitted equipment stated to be Sound Level Calibrator. Equipment No.: : N-16-01 Manufacturer: : Hangzhou Aihua Instruments Co., Ltd. Other information : Model No. AWA6021A Serial No. 1023253 : 18 Jul 2023 Date Received Test Period : 19 Jul 2023 to 19 Jul 2023 : Performance checking for Sound Level Calibrator **Test Requested** Test Method : The Sound Level Meter and Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent. **Test conditions** : Room Temperature: 22-25 degree Celsius Relative Humidity: 35-70% Test Result : Refer to the test result(s) on page 2.

Remark : 1. Information of the sample description provided by the Applicant. 2. The result(s) relate only to the items tested or calibrated.

> For and on behalf of HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit Laboratory Manager



Rm 1904, Technology Park 18 On Lai Street, Shatin NT, Hong Kong Tel: +852 3841 4388 Website: https://www.hpct.com.hk

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Issue Date : 20 Jul 2023

Report No.:00389Application No.:HP00262

<u>Certificate of Calibration</u>

Measuring equipment

Description	Sound Calibrator
Manufacturer	Brüel & Kjær
Model No.	TYPE 4231
Serial No.	2326353
Equipment No.	N-02-01
Description	Sound Meter
Manufacturer	BSWA Technology
Model No.	BSWA 308
Serial No.	570183
Microphone No.	570605
	N 40.04
Equipment No.	N-12-01

Test Result

Reference value, dB	Indication value, dB	Deviation, dB	Allowed deviation, dB
94.0	94.2	+ 0.2	± 0.3
114.0	114.2	+ 0.2	± 0.5

- Note : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.
 - 2. The indication value was obtained from the average of ten replicated measurement.

- End of report -

Rm 1904, Technology Park 18 On Lai Street, Shatin NT, Hong Kong Tel: +852 3841 4388 Website: https://www.hpct.com.hk



Issue Date : 03 May 2024

Report No. : 00676 : HP00537 Application No.

Certificate of Calibration

Applicant

: Cinotech Consultants Limited RM 1710, Technology Park, 18 On Lai Street, Shatin, N.T., Hong Kong

Sample Description : Submitted equipment stated to be Integrating Sound Level Meter.

Equipment No.: : SN-01-01

Manufacturer: : SVANTEK

Other information	:	Model No.	SVAN 979
		Serial No.	27189
		Microphone No.	25202

Date Received	:	02 May 2024
Test Period	:	02 May 2024 to 02 May 2024
Test Requested	:	Performance checking for Sound Level Meter
Test Method	:	The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent.
Test conditions	:	Room Temperature: 22-25 degree Celsius Relative Humidity: 35-70%
Test Result	:	Refer to the test result(s) on page 2.

: 1. Information of the sample description provided by the Applicant. Remark

2. The result(s) relate only to the items tested or calibrated.

For and on behalf of HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit Laboratory Manager

Rm 1904, Technology Park 18 On Lai Street, Shatin NT, Hong Kong Tel: +852 3841 4388 Website: https://www.hpct.com.hk

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Issue Date : 03 May 2024

Report No.:00676Application No.:HP00537

Certificate of Calibration

Measuring

equipment

Description	Sound Calibrator
Manufacturer	Brüel & Kjær
Model No.	TYPE 4231
Serial No.	2326353
Equipment No.	N-02-01

Test Result

Reference value, dB	Indication value, dB	Deviation, dB	Allowed deviation, dB
94.0	94.0	± 0.0	± 1.5
114.0	114.1	+ 0.1	± 1.5

Note : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

2. The indication value was obtained from the average of ten replicated measurement.

- End of report -

Rm 1904, Technology Park 18 On Lai Street, Shatin NT, Hong Kong Tel: +852 3841 4388 Website: https://www.hpct.com.hk



Issue Date : 16 Feb 2024

Report No.:00583Application No.:HP00452

Certificate of Calibration

Applicant : Cinotech Consultants Limited RM 1710, Technology Park, 18 On Lai Street, Shatin, N.T., Hong Kong

Sample Description : Submitted equipment stated to be Integrating Sound Level Meter.

Equipment No.: : N-08-07

Manufacturer: : SVANTEK

Other information:Model No.SVAN 957Serial No.21455Microphone No.17204

Date Received	:	14 Feb 2024
Test Period	:	15 Feb 2024 to 15 Feb 2024
Test Requested	:	Performance checking for Sound Level Meter
Test Method	:	The Sound Level Calibrator has been calibrated in accordance with the documented procedures and using standard and instrument which are recommended by the manufacturer, or equivalent.
Test conditions	:	Room Temperature: 22-25 degree Celsius Relative Humidity: 35-70%
Test Result	:	Refer to the test result(s) on page 2.

Remark : 1. Information of the sample description provided by the Applicant.

2. The result(s) relate only to the items tested or calibrated.

For and on behalf of HIGH PRECISION CHEMICAL TESTING LIMITED

Lee Wai Kit Laboratory Manager

Rm 1904, Technology Park 18 On Lai Street, Shatin NT, Hong Kong Tel: +852 3841 4388 Website: https://www.hpct.com.hk

:

:



Issue Date : 16 Feb 2024

Report No.:00583Application No.:HP00452

Certificate of Calibration

Measuring

equipment

Description	Sound Calibrator
Manufacturer	Brüel & Kjær
Model No.	TYPE 4231
Serial No.	2326353
Equipment No.	N-02-01

Test Result

Reference value, dB	Indication value, dB	Deviation, dB	Allowed deviation, dB	
94.0	94.1	+ 0.1	± 1.5	
114.0	114.1	+ 0.1	± 1.5	

Note : 1. "Instrument Readings" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

2. The indication value was obtained from the average of ten replicated measurement.

- End of report -

APPENDIX H NOISE MONITORING RESULTS AND GRAPHICAL PRESENTATIONS

Appendix H - Noise Monitoring Results

(0700-1900 hrs on Normal Weekdays)

line Level Construction Noise Level
L _{eq} L _{eq}
72.4 68
72.4 71.5 Measured ≦ Baseline
72.4 61
72.4 62

Location CKL2 - Flat 103 Cha Kwo Ling Village

		Unit: dB (A)					
Date	Time	Weather	Meas	sured Noise	Level	Baseline Level	Construction Noise Level
Date	11110	weather			_	_	
			L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}
6-Jun-24	12:55	Fine	75.8	80.5	64.3	71.4	74
12-Jun-24	13:18	Cloudy	75.7	79.1	68.8	71.4	74
18-Jun-24	14:21	Fine	69.1	72.9	60.7	71.4	69.1 Measured ≦ Baseline
24-Jun-24	13:26	Sunny	76.3	79.9	64.1	71.4	75

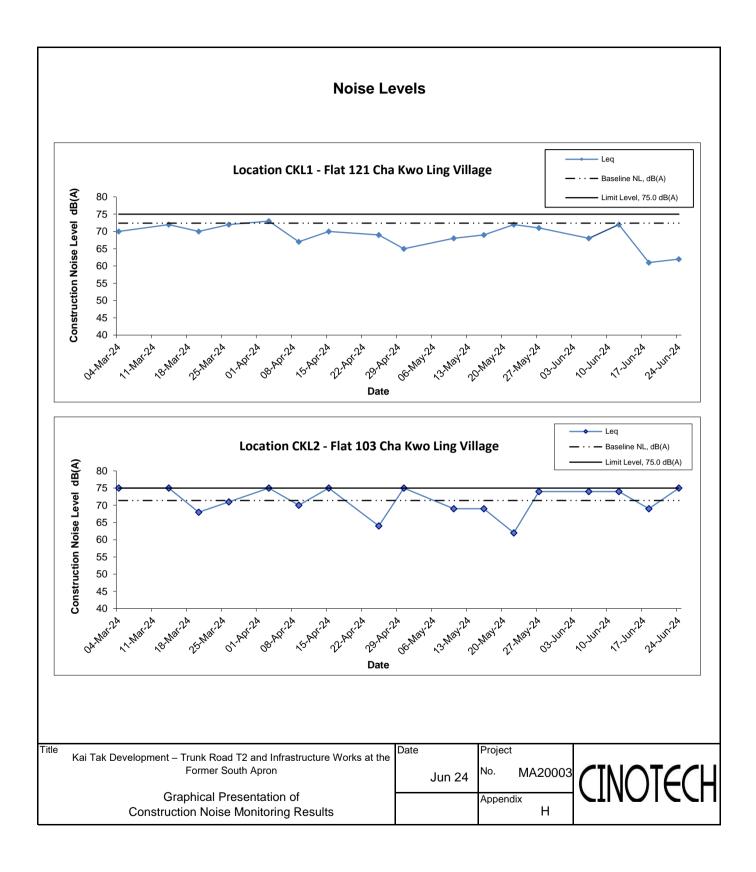
Location KTD1 - Centre of Excellence in Paediatrics (Rooftop of Children's Hospital)

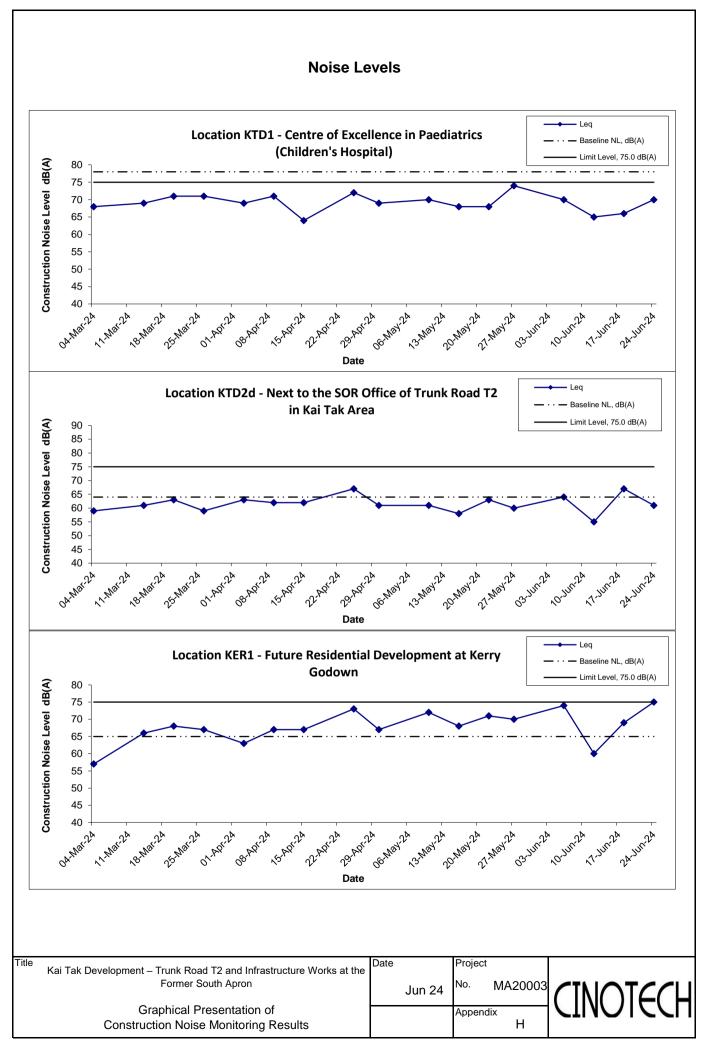
					Unit:	dB (A) (30-min)	
Date	Time	Weather	Meas	sured Noise I	_evel	Baseline Level	Construction Noise Level
Duto	Time	weather					
			L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}
6-Jun-24	14:52	Fine	70.3	71.5	69.0	78.0	70.3 Measured ≦ Baseline
12-Jun-24	15:59	Cloudy	64.6	65.2	63.8	78.0	64.6 Measured \leq Baseline
18-Jun-24	12:39	Fine	66.2	66.6	65.1	78.0	66.2 Measured \leq Baseline
24-Jun-24	11:28	Fine	69.5	70.0	68.0	78.0	69.5 Measured \leq Baseline

Location KER1 - Future Residential Development at Kerry Godown

				Unit: d			dB (A) (30-min)		
Date	Time	Weather	Measured Noise Le		Level	Baseline Level	Construction Noise Level		
Date	Time	weather							
			L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}		
6-Jun-24	16:16	Fine	74.3	77.9	65.5	65.0	74		
12-Jun-24	14:24	Cloudy	66.1	67.5	64.7	65.0	60		
18-Jun-24	11:44	Sunny	70.7	71.7	66.3	65.0	69		
24-Jun-24	10:30	Cloudy	75.1	77.8	70.1	65.0	75		

Location KTD2	ocation KTD2d - Next to the SOR Office of Trunk Road T2 in Kai Tak Area									
				Unit: dB (A) (30-min)						
Date	ate Time	Time Weather		Measured Noise Level			Construction Noise Level			
Duto		Time	Time	11110	11110					
			L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}			
6-Jun-24	17:33	Fine	63.8	66.3	55.1	64.0	64 Measured ≦ Baseline			
12-Jun-24	17:27	Cloudy	54.7	55.6	54.0	64.0	55 Measured \leq Baseline			
18-Jun-24	10:42	Fine	69.1	72.9	61.1	64.0	67			
24-Jun-24	9:37	Fine	61.1	62.9	58.5	64.0	61 Measured ≦ Baseline			





APPENDIX I SITE AUDIT SUMMARY

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

Weekly Site Inspection Record Summary Inspection Information Checklist Reference Number 240606 Date 06 June 2024 (Thursday) Time 09:30 – 16:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	D. Construction Noise Impact	
	• No environmental deficiency was identified during site inspection.	
	E. Waste/Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	F. Visual and Landscape	
	• No environmental deficiency was identified during site inspection.	
	G. Permits/Licences	
	• No environmental deficiency was identified during site inspection.	
	H. Marine Ecology	
	• No environmental deficiency was identified during site inspection.	
	I. Others	
	• Follow up on the previous session (Ref No.:240529), all the items have been rectified.	

	Name	Signature	Date
Recorded by	Eric Hung	UMA-	06 June 2024
Checked by	Karina Chan	Zelle	07 June 2024

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

Weekly Site Inspection Record Summary Inspection Information 240613 Checklist Reference Number 240613 Date 13 June 2024 (Thursday) Time 09:30 – 16:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	D. Construction Noise Impact	
	• No environmental deficiency was identified during site inspection.	
	E. Waste/Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	F. Visual and Landscape	
	• No environmental deficiency was identified during site inspection.	
	G. Permits/Licences	
	• No environmental deficiency was identified during site inspection.	
	H. Marine Ecology	
	• No environmental deficiency was identified during site inspection.	
	I. Others	
	• No environmental deficiency was identified in previous session (Ref No.: 240606)	

	Name	Signature	Date
Recorded by	Charles Fung	Chrom	13 June 2024
Checked by	Karina Chan	Zelle	14 June 2024

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

Weekly Site Inspection Record Summary Inspection Information

Checklist Reference Number	240620
Date	20 June 2024 (Thursday)
Time	09:30 - 16:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	B. Water QualityNo environmental deficiency was identified during site inspection.	
240620-EP451-R1	<i>C. Air Quality</i>More than 20 bags of cement should be covered. (WVB G/F)	C20
	<i>D. Construction Noise Impact</i>No environmental deficiency was identified during site inspection.	
	<i>E. Waste/Chemical Management</i>No environmental deficiency was identified during site inspection.	
	<i>F. Visual and Landscape</i>No environmental deficiency was identified during site inspection.	
	<i>G. Permits/Licences</i>No environmental deficiency was identified during site inspection.	
	<i>H. Marine Ecology</i>No environmental deficiency was identified during site inspection.	
	<i>I. Others</i>No environmental deficiency was identified in previous session (Ref No.: 240613)	

	Name	Signature	Date
Recorded by	Eric Hung	UMA-	20 June 2024
Checked by	Karina Chan	Julle	21 June 2024

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

Weekly Site Inspection Record Summary Inspection Information

Checklist Reference Number	240627
Date	27 June 2024 (Thursday)
Time	09:30 - 16:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	 <i>B. Water Quality</i> No environmental deficiency was identified during site inspection. 	
	<i>C. Air Quality</i>No environmental deficiency was identified during site inspection.	
	<i>D. Construction Noise Impact</i>No environmental deficiency was identified during site inspection.	
240627-EP451-R1	<i>E. Waste/Chemical Management</i>Drip tray should be provided for chemical containers to prevent leakage. (Launching Shaft)	<i>E9</i>
	<i>F. Visual and Landscape</i>No environmental deficiency was identified during site inspection.	
	<i>G. Permits/Licences</i>No environmental deficiency was identified during site inspection.	
	<i>H. Marine Ecology</i>No environmental deficiency was identified during site inspection.	
	<i>I. Others</i>Follow up on the previous session (Ref No.:240620), all the items have been rectified.	

	Name	Signature	Date
Recorded by	Eric Hung	UM-	27 June 2024
Checked by	Karina Chan	Zelle	28 June 2024

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

Site Inspection Record Summary Inspection Information

Checklist Reference Number	240606	
Date	06 June 2024 (Thursday)	
Time	09:30 - 12:30	

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	D. Construction Noise Impact	
	• No environmental deficiency was identified during site inspection.	
	E. Waste/Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	F. Visual and Landscape	
	• No environmental deficiency was identified during site inspection.	
	G. Permits/Licences	
	 No environmental deficiency was identified during site inspection 	
	I. Others	
	• Follow up on the previous session (Ref No.:240529), no major environmental deficiency was	
	identified during site inspection.	

	Name	Signature	Date
Recorded by	Eric Hung	UM -	06 June 2024
Checked by	Karina Chan	Julle	07 June 2024

Contract No. ED/2020/03 Environmental Team for Trunk Road T2 – Traffic Control and Surveillance System (TCSS) and Associated Works

Site Inspection Record Summary Inspection Information

Checklist Reference Number	240614
Date	14 June 2024 (Friday)
Time	09:30 - 12:00

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	D. Construction Noise Impact	
	• No environmental deficiency was identified during site inspection.	
	E. Waste/Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	F. Visual and Landscape	
	• No environmental deficiency was identified during site inspection.	
	G. Permits/Licences	
	No environmental deficiency was identified during site inspection	
	I. Others	
	• Follow up on the previous session (Ref No.:240606), no major environmental deficiency was	
	identified during site inspection.	

	Name	Signature	Date
Recorded by	Charles Fung	Chrom	14 June 2024
Checked by	Karina Chan	Julle	15 June 2024

Contract No. ED/2020/03 Environmental Team for Trunk Road T2 – Traffic Control and Surveillance System (TCSS) and Associated Works

Site Inspection Record Summary Inspection Information

Checklist Reference Number	240620
Date	20 June 2024 (Thursday)
Time	09:30 - 12:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	D. Construction Noise Impact	
	• No environmental deficiency was identified during site inspection.	
	E. Waste/Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	F. Visual and Landscape	
	• No environmental deficiency was identified during site inspection.	
	G. Permits/Licences	
	No environmental deficiency was identified during site inspection	
	I. Others	
	• Follow up on the previous session (Ref No.:240614), no major environmental deficiency was identified during site inspection.	

	Name	Signature	Date
Recorded by	Eric Hung	UNE-	20 June 2024
Checked by	Karina Chan	Julle	21 June 2024

Contract No. ED/2020/03 Environmental Team for Trunk Road T2 – Traffic Control and Surveillance System (TCSS) and Associated Works

Site Inspection Record Summary Inspection Information Checklist Reference Number

Checklist Reference Number	240627
Date	27 June 2024 (Thursday)
Time	09:30 - 12:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-

Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during site inspection.	
	D. Construction Noise Impact	
	• No environmental deficiency was identified during site inspection.	
	E. Waste/Chemical Management	
	• No environmental deficiency was identified during site inspection.	
	F. Visual and Landscape	
	• No environmental deficiency was identified during site inspection.	
	G. Permits/Licences	
	No environmental deficiency was identified during site inspection	
	I. Others	
	• Follow up on the previous session (Ref No.:240620), no major environmental deficiency was	
	identified during site inspection.	

	Name	Signature	Date
Recorded by	Eric Hung		27 June 2024
Checked by	Karina Chan	Julle	28 June 2024

APPENDIX J EVENT AND ACTION PLANS

.		Construction Dust Monitor Ac	tion	
Event	ET	IEC	ER	Contractor
Action Level				
 Exceedance for one sample 	 Identify source, investigate the causes of complaint and propose remedial measures; Inform IEC and ER; Repeat measurement to confirm finding; Increase monitoring frequency. 	 Check monitoring data submitted by ET; Check Contractor's working method. 	1. Notify Contractor.	 Rectify any unacceptable practice; Amend working methods agreed with the ER as appropriate.
2. Exceedance by two or more consecutive samples	 Identify source; Inform IEC and ER; Advise the ER on the effectiveness of the proposed remedial measures; Repeat measurements to confirm findings; Increase monitoring frequency to daily; Discuss with IEC, ER and Contractor on remedial actions required; 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET, ER and Contractor on possible remedial measures if required; Advise the ER on the effectiveness of the proposed remedial measures; 	 Notify Contractor; Ensure remedial measures properly implemented. 	 Submit proposals for remedial actions to IEC within three working days of notification; Implement the agreed proposals; Amend proposal if appropriate.

Table J-1Event/Action Plan for Air Construction Dust Monitoring

		Ac	tion	
Event	ET	IEC	ER	Contractor
Limit level 1. Exceedance for one sample	 7. If exceedance continues, arrange meeting with IEC, Contractor and ER; 8. If exceedance stops, cease additional monitoring. 1. Identify source, investigate the causes of exceedance and propose remedial measures; 2. Inform the IEC, ER, and Contractor; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET, ER and Contractor on possible remedial measures; Advise the ER and ET on the effectiveness of the proposed remedial measures; 	1. Confirm receipt of notification of exceedance in writing; 2. Notify Contractor; 3. Ensure remedial measures properly implemented.	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to the ER and copy to the ET and IEC within three working days of notification; Implement the agreed proposals; Amend proposal if
	Contractor's remedial actions and keep IEC and ER informed of the results.	5. Supervise implementation of remedial measures.		appropriate.
2. Exceedance for two or more	1. Notify IEC, ER and Contractor;	1. Discuss amongst ER, ET, and Contractor on the potential	1. Confirm receipt of notification of exceedance in	 Take immediate action to avoid further exceedance;
consecutive	2. Identify source;	remedial actions;	writing;	2. Submit proposals for remedial

E		Α	ction	
Event	ET	IEC	ER	Contractor
samples	3. Repeat measurement to	2. Review Contractor's	2. Notify Contractor;	actions to ER and copy to the
	confirm findings;	remedial actions whenever	3. In consolidation with the IEC	IEC and ET within three
	4. Increase monitoring	necessary to assure their	and ET, agree with the	working days of notification;
	frequency to daily;	effectiveness and advise the	Contractor on the remedial	3. Implement the agreed
	5. Carry out analysis of	ER and ET accordingly;	measures to be implemented;	proposals;
	Contractor's working	3. Supervise the	4. Ensure remedial measures	4. Resubmit proposals if
	procedures with the ER to	implementation of remedial	properly implemented;	problem still not under
	determine possible mitigation	measures.	5. If exceedance continues,	control;
	to be implemented;		consider what portion of the	5. Stop the relevant portion of
	6. Arrange meeting with IEC		work is responsible and	works as determined by the
	and ER to discuss the		instruct the Contractor to	ER until the exceedance is
	remedial actions to be taken;		stop that portion of work	abated.
	7. Assess effectiveness of		until the exceedance is	
	Contractor's remedial actions		abated.	
	and keep IEC, EPD and ER			
	informed of the results;			
	8. If exceedance stops, cease			
	additional monitoring.			

Table J-2		struction Noise Monitoring		
Event		Act	tion	
Event	ET	IEC	ER	Contractor
Action Level	1. Notify IEC, ER and	1. Review the monitoring data	1. Notify Contractor;	1. Submit noise mitigation
	Contractor;	submitted by the ET;	2. Require Contractor to propose	proposals to the ER and copy
	2. Carry out investigation;	2. Review the construction	remedial measures for	to the IEC and ET;
	3. Report the results of	methods and proposed redial	implementation if required.	2. Implement noise mitigation
	investigation to the IEC and	measures by the Contractor,		proposals.
	Contractor;	and advise the ET and ER if		
	4. Discuss jointly with the ER	the proposed remedial		
	and formulate remedial	measures would be		
	measures;	sufficient.		
	5. Increase monitoring			
	frequency to check			
	mitigation effectiveness.			
Limit Level	1. Notify IEC, ER and	1. Discuss amongst ER, ET, and	1. Confirm receipt of	1. Take immediate action to
	Contractor;	Contractor on the potential	notification of failure in	avoid further exceedance;
	2. Identify source;	remedial actions;	writing;	2. Submit proposals for
	3. Repeat measurements to	2. Review the Contractor's	2. Notify Contractor;	remedial actions to the ER
	confirm findings;	remedial actions whenever	3. Require Contractor to	and copy to the ET and IEC
	4. Carry out analysis of	necessary to assure their	propose remedial measures	within 3 working days of
	Contractor's working	effectiveness and advise the	for the analysed noise	notification;

Table J-2Event/Action Plan for Construction Noise Monitoring

E		Act	tion	
Event	ET	IEC	ER	Contractor
	procedures to determine	ER accordingly;	problem;	3. Implement the agreed
	possible mitigation to be	3. Supervise the	4. Ensure remedial measures	proposals;
	implemented;	implementation of remedial	properly implemented;	4. Resubmit proposals if
	5. Record the causes and action	measures.	5. If exceedance continues,	problem still not under
	taken for the exceedances;		consider what portion of the	control;
	6. Increase the monitoring		work is responsible and	5. Stop the relevant portion of
	frequency;		instruct the Contractor to stop	works as determined by the
	7. Assess the effectiveness of		that portion of work until the	ER until the exceedance is
	the Contractor's remedial		exceedance is abated.	abated.
	action with the ER and keep			
	the IEC informed of the			
	results;			
	8. If exceedance stops, cease			
	additional monitoring.			

Event		-	Action	
	ET	IEC	ER	Contractor
Non-conformity	1. Identify Source;	1. Check report;	1. Notify Contractor;	1. Amend working methods;
on one occasion	2. Inform the IEC and the ER;	2. Check Contractor's working	2. Ensure remedial measures	2. Rectify damage and undertake
	3. Discuss remedial actions with	method;	are properly implemented.	any necessary replacement.
	IEC, ER and Contractor	3. Discuss with ET and the		
	4. Monitor remedial actions until	Contractor on possible		
	rectification has been	remedial measures;		
	completed.	4. Advise ER on effectiveness		
		of proposed remedial		
		measures;		
		5. Check implementation of		
		remedial measures		

Table J-3Event/Action Plan for Landscape and Visual

Event		1	Action	
	ET	IEC	ER	Contractor
Repeated	1. Identify source;	1. Check monitoring report;	1. Notify Contractor;	1. Amend working methods;
Non-conformity	2. Inform the IEC and the ER;	2. Check Contractor's working	2. Ensure remedial measures	2. Rectify damage and undertake
	3. Increase monitoring frequency;	method;	are properly implemented.	any necessary replacement.
	4. Discuss remedial actions with	3. Discuss with ET and the		
	the IEC, the ER and the	Contractor on possible		
	Contractor;	remedial measures;		
	5. Monitor remedial actions until	4. Advise ER on effectiveness		
	rectification has been	of proposed remedial		
	completed;	measures;		
	6. If exceedance stops, cease	5. Check implementation of		
	additional monitoring.	remedial measures		

APPENDIX K ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	led Main	ing Implementation Agent	Relevant Standard or Requirement	Implementation Stages		Status	
						D	С	0	
Air Quality Imp	act								
	The specific mitigation comprises the following: watering of the construction areas 12 times per day to reduce dust emissions by 91.7%, with reference to the "Control of Open Fugitive Dust Sources" (USEPA AP-42). The amount of water to be applied would be 0.91L/m ² for the respective watering frequency;	To minimize dust emission during construction works	All relevant works sites, conveyor belts and stockpiles	Contractor and Sub- contractors	APCO / EIAO	Y	Y		٨
	Dust enclosures with watering would be provided along the loading ramps and conveyor belts for unloading the C&D materials to the barge for dust suppression; and 3-sided barriers around the stockpiling areas WA3 and WA4.							-	N/A(1)
\$2.3.1.2	The dust control measures detailed below shall also be incorporated into the Contract Specification where practicable as an integral part of good construction practice: Use of regular watering to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather;	To minimize dust emission during construction works	All relevant works sites	Contractor and Sub- contractors	APCO / EIAO	Y	Y		۸
	Use of frequent watering for particularly dusty construction areas and areas close to ASRs;								٨
	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;								٨
	Open stockpiles shall be avoided or covered. Prevent placing dusty material storage piles near ASRs;							-	۸
	Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations;							۸	
	Establishment and use of vehicle wheel and body washing facilities at the exit points of the site;								۸
	Imposition of speed controls for vehicles on unpaved site roads, 8 km per hour is the recommended limit;								N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		n Stages	Status
						D	С	0	
	Routing of vehicles and position of construction plant should be at the maximum possible distance from ASRs;								۸
	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;								*
	Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed; and								N/A(1)
	Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system.								N/A(1)
Noise Impact									
\$3.4.1.1	 (QPME) is specified for the list of equipment: Concrete lorry mixer Dump Truck, 5.5 tonne < gross vehicle weight ≤ 38 tonne Generator, Super Silenced, 70 dB(A) at 7m Poker, vibratory, Hand-held (electric) Water Pump, Submersible (Electric) Mobile Crane - KOBELCO CKS900 Excavator, wheeled/tracked - HYUNDAI R80CR-9 	To minimise air- borne noise impacts	All relevant works sites	Contractor and Sub- contractors	NCO / EIAO		Y		٨
\$3.4.1.1	Use of temporary or fixed noise barriers with a surface density of at least 10kg/m ² to screen noise from movable and stationary plant.	To minimise air- borne noise impacts	All relevant works sites	Contractor and Sub- contractors	NCO / EIAO		Y		۸
\$3.4.1.1	Use of enclosures with covers at top and three sides and a surface density of at least 10kg/m ² to screen noise from generally static noisy plant such as air compressors.	To minimise air- borne noise impacts	All relevant works sites	Contractor and Sub- contractors	NCO / EIAO		Y		N/A(1)
\$3.4.1.1	Use of acoustic fabric for the silent piling system, drill rigs, rock drills etc.	To minimise air- borne noise impacts	All relevant works sites	Contractor and Sub-contractors	NCO / EIAO		Y		٨
\$3.4.1.1	Proper fitting of silencers and mufflers on the ventilation fans.	To minimise air- borne noise impacts	All relevant works sites	Contractor and Sub-contractors	NCO / EIAO		Y		N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Recommended Age Measures & Main	mended Agent or Requirer	I Agent o	· ·	Relevant Standard or Requirement	Impler	Implementation Stages		Status
						D	C	0			
S3.4.1.1	Implementation of good site practice: Only well-maintained plant should be operated on-site and plants should be serviced regularly during the construction period; Mobile plant, if any, should be sited as far from NSRs as possible; Plant known to emit noise strongly in one direction should, wherever possible, be properly orientated so that the noise is directed away from the nearby NSRs; Use of site hoarding as a noise barrier to screen noise at low level NSRs; Machines and plant that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum; and Any material stockpiles and other structures should be effectively utilised, wherever practicable, to screen the noise from on-site construction activities. The advancing speed of the TBM should be restricted to 2m/hr in order to ensure compliance with the daytime ground-borne noise limits.	To minimise air- borne noise impacts	All relevant works sites	Contractor and Sub- contractors	NCO / EIAO		Y		^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^		
Water Quality S4.2.1.1	In accordance with the Practice Note for Professional Persons on Construction Site Drainage, Environmental Protection Department, 1994 (ProPECC PN 1/94), construction phase mitigation measures shall include the following: Surface run-off from the construction site, including all Works Areas, will be discharged into storm drains via adequately designed sand/silt removal facilities such as sand traps, silt traps and sedimentation basins. At the establishment of works sites and works areas including the barging point, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided to divert the storm water to the silt removal facilities. The design of the temporary on-site drainage system will be undertaken by the Contractor prior to the commencement of construction and the catch-pits and perimeter channels would be constructed in advance of site formation works and earthworks;	To control water quality impact from construction site runoff and general construction activities	All works sites	Contractor and Sub- contractors	Water Pollution Control Ordinance / ProPECC PN 1/94		Y		Α		

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implen	Implementation Stages		nplementation Stages Stat		Status
						D	С	0			
	Dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas and Works Areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a site/sediment trap;								۸		
	The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/sand traps should be 5 minutes under maximum flow conditions. The sizes may vary depending upon the flow rate, but for a flow rate of 0.1m^3 /s, a sedimentation basin of 30m^3 would be required and for a flow rate of 0.5m^3 /s the basin would be 150m^3 . All effluent discharged from the construction site should comply with the standards stipulated in the TM-DSS. The detailed design of the sand/silt traps shall be undertaken by the Contractor prior to the commencement of construction;								N/A(1)		
	In accordance with ProPECC PN 1/94, the construction works should be programmed to minimise surface excavation works during rainy seasons (April to September), as far as practicable. All exposed earth areas should be completed and vegetated as soon as possible after the 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;								٨		
	The overall slope of works sites should be kept to a minimum to reduce the erosive potential of surface water flows, and all trafficked areas and access roads should be protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during the prolonged periods of inclement weather and the reduction of surface sheet flows;								٨		
	All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure their proper and efficient operation at all times particularly following rainstorms. Deposited silts and grits should be removed regularly and disposed of by spreading evenly over stable, vegetated areas;								٨		
	Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of trenches in wet season is inevitable, they should be dug and backfilled in short sections wherever practicable. The water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities;								٨		

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Impler	Implementation Stages		Status
						D	С	0	
	Open stockpiles of construction materials (for example, aggregates, sand and fill material) 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;								^
	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;								۸
	Precautions to be taken at any time of the year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted and 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;								N/A(1)
	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 sited wheel washing facilities should be provided at the exit of every construction site where practicable. Wash- water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-washing bay to public roads should be paved with sufficient backfall toward the wheel- washing bay to prevent vehicle tracking of soil and silty water to public roads and drains;								^
	Oil interceptors should be provided in the drainage system downstream of any oil/fuel pollution sources, specifically Works Areas WA1, WA2, WA4 and WA5 where plant maintenance is proposed. Oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for oil interceptors to prevent flushing during heavy rain;								N/A(1)
	The construction solid waste, debris and rubbish on-site should be collected, handled and disposed of properly to avoid causing any water quality impacts. The requirements for solid waste management are detailed in Section 11 Waste Management of this EIA report; and								^
	All fuel tanks and storage areas should be provided with locks and sited 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 nearby WSRs.								*

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Recommended Measures & Main	Location/Timing	1	Implementation Agent	-		l Implementation Sta			Status
						D	С	0				
S4.2.1.1 and 4.3.1.5	There is a need to apply to the EPD for a discharge licence for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge licence. All the runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS. Minimum distances of 100m should be maintained between the discharge points of construction site effluent and the existing seawater intakes. The beneficial uses of the treated effluent for other on- site activities such as dust suppression, wheel washing and general cleaning etc, can minimise water consumption and reduce the effluent discharge volume. If monitoring of the treated effluent quality from the works areas is required during the construction phase of the Project, the monitoring should be carried out in accordance with the WPCO license	To control water quality impact from effluent discharge from construction site	All works sites	Contractor and Sub- contractors	Water Pollution Control Ordinance		Y		N/A(1)			
\$4.2.1.1	Specific mitigation measures for the tunnelling works using TBM, soft ground and mechanical excavation techniques should include the following: The cut-and-cover tunnelling works should be conducted sequentially as far as practicable to limit the amount of construction wastewater generated from the exposed areas during the wet season (April to September);	To minimize construction water quality impact from tunnelling and excavation works	All tunnelling and excavation portion	Contractor and Sub- contractors	TMEIA TMwater ProPECC PN 1/94 WPCO		Y		N/A			
	Uncontaminated discharge should pass through settlement tanks prior to discharge;	-							N/A			
	If contaminated groundwater is found during the course of the works, no direct discharge of groundwater from contaminated areas should be adopted. Any contaminated groundwater should be properly treated in compliance with the requirements of the TM-DSS. If wastewater treatment is to be deployed for treating the contaminated groundwater, the wastewater treatment unit should deploy suitable treatment processes (e.g. oil interceptor/activated carbon) to reduce the pollution level to an acceptable standard and remove any prohibited substances (such as TPH) to an undetectable range;								N/A			
	If groundwater recharging wells are deployed, recharging wells should be installed as appropriate for recharging the contaminated groundwater back into the ground. The recharging wells should be selected at places where the groundwater quality will not be affected by the recharge operation as indicated in the Section 2.3 of TM-DSS;								N/A			

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement			Implementation Stages		n Stages	Status
						D	С	0			
	The baseline groundwater quality shall be determined prior to the selection of the recharge wells, and submit a working plan (including the laboratory analytical results showing the quality of groundwater at the proposed recharge location(s) as well as the pollutant levels of groundwater to be recharged) to EPD for agreement. Pollution levels of groundwater to be recharged shall not be higher than pollutant levels of ambient groundwater at the recharge well. Prior to recharge, any prohibited substances such as TPH products should be removed as necessary by installing the petrol interceptor;								N/A		
	The wastewater with high concentrations of SS should be treated such as by settlement in tanks with sufficient retention time before discharge. Oil interceptors would also be required to remove the oil, lubricants and grease from the wastewater.								N/A		

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Impler			Implementation Stages		Status
						D	C	0			
S4.2.1.1	In order to prevent any accidental release of bentonite slurry from getting into the surrounding environment, the following specific control measures shall be followed to reduce the risk and impacts of accidental spillage: All bentonite slurry should be stored in a container that resistant to corrosion, maintained in good conditions and securely closed; The container should be labelled in English and Chinese and note that the container is for storage of bentonite slurry only; The storage container should be placed on an area of impermeable flooring and bunded with capacity to accommodate 110% of the volume of the container size or 20% by volume stored in the area and enclosed with at least 3 sides; The storage container should be sufficiently covered to prevent rainfall entering the container or bunded area (water collected within the bund must be tested and disposed of as chemical waste, if necessary); An emergency clean up kit shall be readily available where bentonite fluid will be stored or used; and The handling and disposal of bentonite slurries should be undertaken in accordance within ProPECC PN 1/94. Surplus bentonite slurries used in construction works shall be reconditioned and reused wherever practicable. Residual bentonite slurry shall be disposed of from the site as soon as possible as stipulated in Clause 8.56 of the General Specification for Civil Engineering Works. The Contractor should explore alternative disposal outlets for the residual bentonite slurry (dewatered bentonite slurry to be disposed to a public filling area and liquid bentonite slurry, if mixed with inert fill material, to be disposed to a public filling area and liquid bentonite slurry, if mixed with inert fill material, to be disposed to a public filling area	quality impact from bentonite slurry	All relevant works sites	Contractor and Sub- contractors	WPCO		Y		^ ^ N/A(1) ^ N/A(1) N/A(1)		

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement			n Stages	Status
						D	С	0	
	The proposed barging point at South Apron will not involve marine works like dredging or modifying the submerged portion of the existing seawall. As such, no direct adverse water quality impacts are anticipated during its construction or operation. However, mitigation measures as outlined above should be applied to minimise water quality impacts from site run-off and temporary open stockpiles of spoil at the proposed barging point, where appropriate. Other good site practices include:	To minimize construction water quality impact from barging point	Barging Point	Contractor and Sub- contractors	EIAO-TM WPCO		Y		N/A(1)
	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;								٨
	Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site; and								N/A(1)
	Loading of barges and hoppers should be controlled to prevent splashing of 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.								N/A
S4.2.1.1	If chemical toilets and sewage holding tanks are required for handling sewage generated by the construction workforce, a licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	To minimize construction water quality impact from sewage and effluent	All works sites	Contractor	WPCO		Y		٨
\$4.2.1.1	In order to protect against impacts to the surrounding marine waters of the KTTS and Victoria Harbour in the event of an accidental spillage of fuel or oil, the Contractor will be required to prepare a spill response plan to the satisfaction of AFCD, EPD, FSD, Police, TD and WSD to define procedures for the control, containment and clean-up of any spillage that could occur on the construction site.	To control water quality impact from accidental chemical spillage	All works sites	Contractor	EIAO-TM WPCO WDO		Y		N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement					mplementation Stages	
						D	С	0			
\$4.2.1.1	The Contractor must, also, 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.	To control water quality impact from accidental chemical spillage	All works sites	Contractor	EIAO-TM WPCO WDO		Y		N/A(1)		
S4.2.1.1	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.	To control water quality impact from accidental chemical spillage	All works sites	Contractor	EIAO-TM WPCO WDO		Y		N/A(1)		
S4.2.1.1	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:	To control water quality impact from accidental chemical spillage	All works sites	Contractor	EIAO-TM WPCO WDO		Y		٨		
	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	-							N/A(1)		
	Storage area should be selected at a safe location on site and adequate space should be allocated to the storage area.								٨		
S4.2.1.1	The road drainage in the tunnel should pass through oil interceptors to remove oil, and grease before being discharged into the public storm water drainage system;	To mitigate runoff from tunnel during the operational phase	Tunnel	CEDD	WPCO			Y	N/A		
	Silt traps and oil interceptors should be cleaned and maintained regularly; and	1							N/A		
	The oily contents of oil interceptors should be transferred to an appropriate disposal facility, or to be collected for reuse, if possible.								N/A		

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implen			Implementation Stages		Implementation Stages		implementation Stages		Status
						D	С	0							
Marine Ecology															
	Good construction practice measures have been recommended to be implemented as follows:	Minimize waste generation during construction	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3		Y		N/A(1)						
	Avoid damage and disturbance to the remaining and surrounding natural habitat;														
	Placement of equipment in designated areas within the existing disturbed land;								N/A(1)						
	Spoil heaps should be covered at all times;								N/A(1)						
	Construction activities should be restricted to the designated works areas; and								N/A(1)						
	Disturbed areas to be reinstated immediately after completion of the works.								N/A(1)						
Fisheries															
\$6.2.1.2	No fisheries specific mitigation measures.														

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement			n Stages	Status
						D	С	0	
Landscape and V	Visual						<u> </u>		
\$7.2.1.2	All works shall be carefully designed to minimize impacts on existing landscape resources and visually sensitive receivers. Existing trees within works area shall be retained and protected.	To minimise impact on existing trees	All relevant works sites	CEDD's Contractor	EIAO TM	Y	Y		۸
\$7.2.1.2	Existing trees of good quality and condition that are unavoidably affected by the works should be transplanted.	To minimise impact on existing trees	All relevant works sites	CEDD's Contractor	EIAO TM	Y	Y		N/A
\$7.2.1.2	Large temporary stockpiles of excavated material shall be covered with unobtrusive sheeting to prevent dust and dirt spreading to adjacent landscape areas and vegetation, and to create a neat and tidy visual appearance.	To prevent unnecessary dust and dirt contaminating the air and adjacent areas.	All relevant works sites	CEDD's Contractor	EIAO TM		Y		^
\$7.2.1.2	Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance.	To mitigate potential visually obtrusive areas	All relevant works sites	CEDD's Contractor	EIAO TM		Y		٨
\$7.2.1.2	Erection of decorative screen hoarding should be designed to be compatible with the existing urban context.	To mitigate and screen any potential visually obtrusive areas and enhance urban environment	All relevant works sites	CEDD's Contractor	EIAO TM		Y		۸
\$7.2.1.2	All lighting in construction site shall be carefully controlled to minimize light pollution and night-time glare to nearby residences and GIC user. The contractor shall consider other security measures, which shall minimize the visual impacts.	To mitigate light pollution and adverse visual impacts on surrounding environment	All relevant works sites	CEDD's Contractor	EIAO TM		Y		۸
\$7.2.1.2	Compensatory tree planting shall be incorporated along all roadside amenity areas affected by the construction works. The required numbers and locations of compensatory trees shall be determined and agreed with the Government during Tree Removal Application process under ETWB TCW No. 3/2006.	To reinstate and maximise compensatory tree numbers to equal or greater conditions	All relevant works sites	CEDD's Contractor	EIAO TM		Y		N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Loca Measures & Main Concern to Address	Location/Timing	Implementation Agent	-	-	-	-	Relevant Standard or Requirement	Impler	nentatio	n Stages	Status
						D	С	0					
\$7.2.1.2	Compensatory tree planting shall be incorporated by the Project. The required numbers of compensatory trees shall follow the requirements of ETWB TCW No. 3/2006. Loss of amenity area adjacent to the Kwun Tong By-pass and planting areas in KTD South Apron will be mitigated by the creation of the Kai Tak South Apron: Amenity Area, which will be equal to or larger than the current provision.	To reinstate and maximise compensatory tree	All relevant works sites	CEDD's Contractor	EIAO TM		Y		N/A(1)				
\$7.2.1.2	Trees and shrubs and climbers etc. shall be planted to soften and screen proposed roads, central strip and associated structure, and to enhance streetscape greening effect where appropriate.	To mitigate hard surfaces and hard standing landscape areas and to soften and enhance proposed design features	All relevant works sites	CEDD's Contractor	EIAO TM	Y		Y	N/A				
\$7.2.1.2	All works area, excavated area and disturbed area for tunnel construction and temporary road diversion or any other proposed works shall be reinstated to former conditions or better, with reasonable landscape treatment and to the satisfaction of the relevant Government departments.	To reinstate and maximise hard and soft landscape areas to equal or greater conditions	All relevant works sites	CEDD's Contractor	EIAO TM	Y		Y	N/A				
\$7.2.1.2	Tunnel portals and all above ground structures shall be sensitively designed to ensure the element with colour, texture and tonal quality being compatible to the existing urban context. Trees and shrub planting to minimize the potential adverse landscape and visual impacts shall be included where space permits. Roof top greening and vertical greening shall also be provided.	To mitigate hard surfaces and hard standing landscape areas and to soften and enhance proposed design features	All relevant works sites	CEDD's Contractor	EIAO TM	Y		Y	N/A				
\$7.2.1.2	All works shall be carefully designed to minimize impacts on existing landscape resources and visually sensitive receivers. Existing trees within works area shall be retained and protected.	To minimise impact on existing trees	All relevant works sites	CEDD's Contractor	EIAO TM	Y		Y	N/A				
\$7.2.1.2	Existing trees of good quality and condition that are unavoidably affected by the works should be transplanted.	To minimise impact on existing trees	All relevant works sites	CEDD's Contractor	EIAO TM	Y		Y	N/A				

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Location/Timing Implementation Agent Relevant Standard Implement or Requirement				Status	
						D	C	0	
Cultural Heritag	le l					<u> </u>		<u> </u>	
\$8.2.1.1 and 8.2.1.2	No culture heritage specific mitigation measures								
Waste Managem									
\$9.2.1.2	The requirements as stipulated in the ETWB TC(W) No.19/2005 Environmental Management on Construction Sites and the other relevant guidelines should be included in the Particular Specification for the future contractor as appropriate.	To keep trace of the generation, minimization, reuse and disposal of C&D materials	All areas / throughout construction period	Contractor	ETWB TC(W) No.19/2005		Y		N/A
S9.2.1.2	The future contractor should be requested to submit an outline Waste Management Plan (WMP) prior to the commencement of construction work, in accordance with the ETWB TC(W) No.19/2005 so as to provide an overall framework of waste management and reduction. The WMP should include: - Waste management policy; - Record of generated waste; - Waste reduction target; - Waste reduction programme; - Role and responsibility of waste management team; - Benefit of waste management; - Analysis of waste materials; - Reuse, recycling and disposal plans; - Transportation process of waste products; and - Monitoring and action plan.	To keep trace of the generation, minimization, reuse and disposal of C&D	All areas / throughout construction period	Contractor	ETWB TC(W) No.19/2005		Y		N/A(1)
\$9.2.1.2	The waste management hierarchy should be strictly followed. This hierarchy should be adopted to evaluate the waste management options in order to maximise the extent of waste reduction and cost reduction. The records of quantities of waste generated, recycled and disposed (locations) should be properly documented.	To keep trace of the generation, minimization, reuse and disposal of C&D	All areas / throughout construction period	Contractor	ETWB TC(W) No.19/2005		Y		N/A(1)
\$9.2.1.2	A trip-ticket system should be established in accordance with DevB TC(W) No. 6/2010 and Waste Disposal (Charges for Disposal of Construction Waste) Regulation to monitor the disposal of public fill and solid wastes at public filling facilities and landfills, and to control fly-tipping. A trip-ticket system would be included as one of the contractual requirements for the future contractor to strictly implement. The Engineer would also regularly audit the effectiveness of the system.	To monitor disposal of waste and control fly-tipping	All areas / throughout construction period	Contractor	DEVB TC(W) No. 6/2010		Y		N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	1		n Stages	Status
						D	С	0	
\$9.2.1.2	A recording system for the amount of waste generated, recycled and disposed (locations) should be established. The future contractor should also provide proper training to workers regarding the appropriate concepts of site cleanliness and waste management procedures, e.g. waste reduction, reuse and recycling all the time.	To monitor disposal of waste and control fly-tipping	All areas / throughout construction period	Contractor	DEVB TC(W) No. 6/2010		Y		N/A(1)
\$9.2.1.2	The CEDD should be timely notified of the estimated spoil volumes to be generated and the PFC should be notified and agreement sort on the disposal of surplus inert C&D materials e.g. good quality rock during detailed design of the Trunk Road T2 Project. Wherever practicable, C&D materials should be segregated from other wastes to avoid contamination and to ensure acceptability at public filling areas or reclamation sites.	To monitor disposal of waste and control fly-tipping	All areas / throughout construction period	Contractor	DEVB TC(W) No. 6/2010		Y		N/A(1)
\$9.2.1.2	The extent of cutting operation should be optimised where possible. Earth retaining structures and bored pile walls should be proposed to minimise the extent of cutting.	To minimize, reuse and disposal of C&D materials	All areas / throughout construction period	Contractor	DevB TC(W) No.6/2010		Y		N/A(1)
\$9.2.1.2	Inert C&D materials from road pavement would be reused for backfilling where possible	To minimize, reuse and disposal of C&D materials	All areas / throughout construction period	Contractor	DevB TC(W) No.6/2010		Y		N/A(1)
\$9.2.1.2	TBM generated alluvium and other C&D materials should be treated at a slurry treatment plant prior to transferring to Public Fill Reception Facilities.	To minimize, reuse and disposal of C&D materials	TMB works area / during TBM works	Contractor	DevB TC(W) No.6/2010		Y		^
\$9.2.1.2	The site and surroundings should be kept tidy and litter free.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	ded Main	Implementation Agent	-	-	Relevant Standard or Requirement	Impler	nentatio	n Stages	Status
						D	С	0			
\$9.2.1.2	No waste is allowed to be burnt on site.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		۸		
\$9.2.1.2	Make provisions in contract documents to allow and promote the use of recycled aggregates where appropriate.	To implement good site practice for handling, sorting reuse and recycling of wastes	Detailed Design	Design Consultant	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010	Y			N/A(1)		
\$9.2.1.2	Prohibit the future contractor to dispose of C&D materials at any sensitive locations e.g. natural habitat, etc. The future contractor should propose the final disposal sites in the WMP for approval before implementation.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		N/A(1)		
\$9.2.1.2	Stockpiled C&D materials should be covered by tarpaulin and/or watered as appropriate to prevent windblown dust and surface run off.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		٨		
\$9.2.1.2	Excavated C&D materials in trucks should be covered by tarpaulins to reduce the potential for spillage and dust generation.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		٨		
\$9.2.1.2	Wheel washing facilities should be used by all trucks leaving the site to prevent transferring mud trails onto public roads.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		٨		
\$9.2.1.2	Excavated marine deposit (sediment) should be disposed of in a gazetted marine disposal ground under the requirements of the DASO or treated for backfilling.	To ensure proper disposal of marine sediment	All areas / throughout construction period	Contractor	ETWB TC(W) No.34/2002		Y		N/A(1)		

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implen	nentatio	n Stages	Status
						D	С	0	
\$9.2.1.2	Standard formwork or pre-fabrication should be used as far as practicable to minimise the C&D materials arising. The use of more durable formwork or plastic facing for construction works should also be considered. The use of wooden hoardings should be avoided and metal hoarding should be used to facilitate recycling. Purchasing of construction materials should be carefully planned in order to avoid over-ordering and wastage.	To minimize, reuse and disposal of C&D materials	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		N/A(1)
\$9.2.1.2	The future contractor should recycle as many C&D materials as possible on-site. The public fill and C&D waste should be segregated and stored in separate containers or skips to facilitate the reuse or recycling of materials and proper disposal. Where practicable, the concrete and masonry should be crushed and used as fill materials. Steel reinforcement bar should be collected for use by scrap steel mills. Different areas of the sites should be considered for segregation and storage activities.	To minimize, reuse and disposal of C&D materials	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		^
\$9.2.1.2	All falsework should be steel instead of wood as far as practicable.	To minimize, reuse and disposal of C&D materials	All areas / throughout construction period	Contractor	DevB TC(W) No.6/2010		Y		N/A(1)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	-		mplementation Stages	
						D	C	0	
\$9.2.1.2	Chemical waste producers should register with the EPD and chemical waste should be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes as follows: - Suitable for the substance to be held, resistant to corrosion, maintained in good conditions and securely closed; - Having a capacity of <450L unless the specifications have been approved by the EPD; and - Displaying a label in English and Chinese according to the instructions prescribed in Schedule 2 of the Regulations. - Clearly labelled and used solely for the storage of chemical wastes; - Enclosed with at least 3 sides; - Impermeable floor and bund with capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in the area, whichever is greatest; - Adequate ventilation; - Sufficiently covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary); and - Incompatible materials are adequately separated.	chemical waste within works sites and works areas	All areas / throughout construction period	Contractor	Code of Practice on the Packaging, Handling and Storage of Chemical Wastes		Y		Α
\$9.2.1.2	Waste oils, chemicals or solvents should not be disposed of to drain.	To implement good site practice for handling, sorting reuse and recycling of wastes	All areas / throughout construction period	Contractor	EIAO TM		Y		^

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		I I I I I I I I I I		n Stages	Status
						D	C	0					
\$9.2.1.2	Adequate numbers of portable toilets should be provided for on-site workers. Portable toilets should be maintained in reasonable states, which will not deter the workers from utilising them. Night soil should be regularly collected by licensed collectors.	To ensure proper disposal of sewage sludge	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance, DevB TC(W) No. 6/2010		Y		N/A(1)				
\$9.2.1.2	General refuse arising on-site should be stored in enclosed bins or compaction units separately from C&D and chemical wastes. Sufficient dustbins should be provided for storage of waste as required under the Public Cleansing and Prevention of Nuisances By- laws. In addition, general refuse should be cleared daily and disposed of to the nearest licensed landfill. Burning of refuse on construction sites is prohibited.	To separate the general refuse from other waste types and proper disposal of the refuse	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance		Y		٨				
\$9.2.1.2	All waste containers should be in a secure area on hardstanding.		All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance		Y		^				
\$9.2.1.2	Aluminium cans should be collected and recovered from the waste stream by reputable collectors if they are segregated and easily accessible. Separately labelled bins for their deposition should be provided as far as practicable.	To implement on-site sorting facilitating reuse and recycling of materials as well as proper disposal of waste	All areas / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance		Y		N/A(1)				
\$9.2.1.2	future contractor should be advocated. Waste separation facilities for paper, aluminium cans, plastic bottles, etc should be provided on-site.	To separate the general refuse from other waste types and proper disposal of the refuse	Site Offices / throughout construction period	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance		Y		N/A(1)				

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Location/Timing	Implementation Agent	Relevant Standard or Requirement	Implementation Stages		• 8		n Stages Status	Status
						D	С	0			
\$9.2.1.2	Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedure, including waste reduction, reuse and recycling.	To implement good site practice for handling, sorting reuse and recycling of wastes	Contract Mobilisation	Contractor	WDO, Land (Miscellaneous Provisions) Ordinance		Y		N/A(1)		
\$9.2.1.2	During construction phase, regular site inspections and supervision of the waste management procedures shall be undertaken as part of the EM&A procedures.	• •	All areas / throughout construction period	Contractor	EIAO TM		Y		^		

Remarks: EM&A Programme under EP-451/2013						
D	Design					
С	Construction					
Y	Yes					
0	Operation					
^	Compliance of mitigation measure;					
N/A	Not applicable at this stage;					
N/A(1)	Not observed;					
*	Recommendation was made during site audit but improved/retified by the contractor;					
#	Recommendation was made during site audit but not yet improved/retified by the contractor;					
Х	Non-compliance of mitigation measure;					
•	Non-compliance but rectified by the contractor.					

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

Environmental Permit No.: EP-451/2013 Environmental Team for Trunk Road T2

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

Reporting Month: June 2024

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

Remarks:

No environmental complaint/warning/summon and prosecution were received in the reporting period.

Environmental Permit No.: EP-451/2013 Environmental Team for Trunk Road T2

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

Table L2 Cumulative Log for Environmental Complaint, Warning, Summon and Notification of Successful Prosecution	

Log Ref.	Location	Received Date	Details of Complaint/w arning/summ on and prosecution	Investigation/Mitigation Action	Nature	Status
#A01	The Launching Shaft	24 June 2020	A complaint regarding dust nuisance possible caused by the construction works at the Launching Shaft area was received.	 Training regarding the loading and unloading height control was provided to the labourers to ensure dusty materials are transported under a minimum practical height. Water sprays system was installed around the location of complaint to prevent dust generated from wind erosion on the stockpile. Contractor was reminded to further enhance the dust mitigation measures to minimize the dust nuisance. 	Air	Closed
#N01	The Launching Shaft	03 & 13 July 2020	The verbal complaint regarding the noise nuisance generated from D-wall cutter operation nearby the PWCL	 Noise barrier was erected between noise source and the PWCL building. Construction programme was reviewed as to minimize operation of PME nearby the PWCL building Contractor was recommended to implement the noise mitigation measures and other good site practices to minimize the noise nuisance. 	Noise	Closed

Environmental Permit No.: EP-451/2013 Environmental Team for Trunk Road T2

Log Ref.	Location	Received Date	Details of Complaint/w arning/summ on and prosecution	Investigation/Mitigation Action	Nature	Status
			building was received by CEDD			
#N03	The Launching Shaft	03 December 2020	A verbal complaint regarding the noise nuisance, generated from the construction works nearby PWCL building, was received by CEDD.	 Contractor has taken the remedial action (i.e. Some of the breakers in which were operated nearby the concerned area were wrapped up with the acoustic insulation sheets) and noise mitigation measures (i.e. Noise barrier was installed adjoining the building to minimize the influence of construction noise, maintenance for all Powered Mechanical Equipment was conducted regularly, review on the construction programme to minimize the operations of PMEs near the PWCL) to minimize the noise impact generated from breaking activities. 	Noise	Closed
#N10	Launching Shaft and Barging Point	28 February 2023	A Complaint of Noise Nuisance caused by the nighttime construction	 The cause of the noise nuisance may cause by the operation of Derrick Barge and the Conveyors. No limit level exceedance was recorded for additional noise monitoring and the weekly construction noise monitoring. 	Noise	Closed

Appendix L – Summary	v of anvironmental	complaint y	vorning summon	and notification	of supposeful	procontion
Appendix L – Summar	y of chivit official	complaint, v	wai ming, summon	and nouncation	UI SUCCESSIUI	prosecution

Log Ref.	Location	Received Date	Details of Complaint/w arning/summ on and prosecution	Investigation/Mitigation Action	Nature	Status
			activities was received.	 In addition, the Contractor shall review the construction schedule, priorities the work sequence and maintain good site practices, such as erecting noise barrier as close as possible to the noise source, replace damaged semi- enclosure/noise barrier and provide regularly maintenance for PMEs. 		
		7 March 2023	Follow up complaint from the same complainant was received and he/she informed that the construction noise nuisance at 09:50pm.	 The cause of the noise nuisance may cause by the operation of Derrick Barge and the Conveyors. No limit level exceedance was recorded for additional noise monitoring and the weekly construction noise monitoring. In addition, the Contractor shall review the construction schedule, priorities the work sequence and maintain good site practices, such as erecting noise barrier as close as possible to the noise source, replace damaged semi-enclosure/noise barrier and provide regularly maintenance for PMEs. 	Noise	Closed

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

Log Ref.	Location	Received Date	Details of Complaint/w arning/summ on and prosecution	Investigation/Mitigation Action	Nature	Status
#W01	Launching Shaft and Barging Point	13 March 2023	A complaint regarding to the silt/dirt being swept into the sea from the operation of barge under Trunk Road T2.	 There is no direct evidence that the Silt/ Dirt being swept into the sea from the barge of T2. The following recommendations are made to further enhance the mitigation measures: Provide regular training to site personnel on proper waste management and appropriate handling procedures. Provide sufficient waste disposal points and regular collection for disposal. Closely monitor the barge operation. The Contractor has implemented the above environmental mitigation measures (As mentioned in Section 2.6) on site to ensure that no silt and household waste being swept into any water body. 	Water	Closed
#N12	Launching Shaft Area, Barging Point, Cheung Yip Street	17 November 2023	A verbal complaint regarding the noise nuisance, generated from the	 The cleaning work using the water jetting unit may be the cause of noise nuisance. No limit level exceedance was recorded for additional noise monitoring and the weekly construction noise monitoring. In addition, the Contractor shall review the construction schedule, priorities the work 	Noise	Closed

Appendix L – Summary	v of environmental	complaint wa	arning summon a	nd notification o	f successful prosecution
Appendix L – Summar	y ul chivil uninchitai	complaint, we	ai ming, summon a	nu nouncauon o	i successiui prosecution

Log Ref.	Location	Received Date	Details of Complaint/w arning/summ on and prosecution	Investigation/Mitigation Action	Nature	Status
			construction works near Cheung Yip Street after 21:00.	sequence and maintain good site practices, such as erecting noise barrier as close as possible to the noise source, replace damaged semi- enclosure/noise barrier and provide regularly maintenance for PMEs.		
#W02	Launching Shaft Area	22 November 2023	A complaint regarding to the number of fish die-off at the Kwun Tong Typhoon Shelter.	 There is no direct evidence that the dead fish floating near the Kwun Tong Pier were caused by the construction activities. The following recommendations are made to contractor to further enhance the mitigation measures: 1) Conduct regular maintenance for wastewater treatment facilities to maintain the quality of effluent. 2) Conduct regular water quality monitoring 3) Carry out regular visual inspection to the Kai Tak Approach Channel (near the outfall of discharge point) to prevent illegal discharge of untreated water. 	Water	Closed
#N13	Portion Q1	23 April 2024	A verbal complaint regarding the	 The complaint is considered as project-related. Despite the lifting operation being carried out at the site during the night, the contractor was in 	Noise	Closed

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

Log Ref.	Location	Received Date	Details of Complaint/w arning/summ on and prosecution	Investigation/Mitigation Action	Nature	Status
			noise nuisance, generated from the construction works nearby the Wai Lok Street building at 10:20 pm, was received by EPD	 possession of a valid construction noise permit (GW-RE0328-24). All construction activities were performed in accordance with legal regulations, and no violations of the law were found. In addition, the Contractor shall review the construction schedule, priorities the work sequence and maintain good site practices, such as erecting noise barrier as close as possible to the noise source, replace damaged semi enclosure/noise barrier and provide regularly maintenance for PMEs. As the complaint was considered as project related, the contractor had implemented the relevant mitigation measures to minimize the noise impact including:1) Conduct regular noise monitoring.2) Conduct regular maintenance for all Powered Mechanical Equipment to minimize the noise generated from engines. Displayed the CNP at the gates of Portion Q. 		

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

APPENDIX M SUMMARY OF EXCEEDANCE

Appendix M – Summary of Exceedance

Reporting Month: June 2024

(A) Exceedance Report for Air Quality

No Action Level and No Limit Level exceedance of 24hr TSP monitoring was recorded in this reporting month.

(B) Exceedance Report for Construction Noise

Action Level for Construction Noise

No Action Level exceedance was recorded due to no documented complaint received in this reporting month.

Limit Level for Construction Noise

No exceedance for daytime construction noise monitoring was recorded in the reporting month.

(C) Summary of Landscape and Visual Non-Conformity (NIL in the reporting month)

APPENDIX N TENTATIVE CONSTRUCTION PROGRAMME

#	# Activity Name		Start	Finish						2024					
					vpril 14	21			05	May 12	19	26		00	June
1	ED/2018/04 TRUNK ROAD T2	98	02-Apr-24	30-Jul-24	14	21	4	28	05	12	[19	26	02	09	
2	SUPPORTING UNDERGROUND STRUCTURE [SUS]	97	03-Apr-24	30-Jul-24				 							
3	Skin Wall Construction	97	03-Apr-24	30-Jul-24											
4	Westbound	73	03-Apr-24	02-Jul-24				 ; ;							
5	Road level CH6+259 to CH6+567 (308m; 15m/bay; 21 bays)	73	03-Apr-24	02-Jul-24											
6	Bay 9	25	03-Apr-24	03-May-24	-			E	Bay 9				:		
7	Bay 10	4	04-May-24	08-May-24	1				🔲 Ba	y 10					
8	Bay 11	4	09-May-24	13-May-24				 - 		Bav	11				
9	Bay 12	4	14-May-24	18-May-24				1			Bay 12	2			
10	Bay 13	4	20-May-24	23-May-24				/				Bay 13			
11	Bay 14	4	24-May-24	28-May-24	+						[Bay io Ba	iy 14		
12	Bay 15	4	29-May-24	01-Jun-24									🗖 Bay 15		
13	Bay 16	4	03-Jun-24	06-Jun-24										Bay 16	
14	Bay 17	4	07-Jun-24	12-Jun-24	+			: 							Bay 17
15	Bay 18	4	13-Jun-24	17-Jun-24				: / : :					: 		
16	Bay 19	4	18-Jun-24	21-Jun-24	+			- 							
17	Bay 20	4	22-Jun-24	26-Jun-24				: { : :					: 		
18	Bay 21	4	27-Jun-24	02-Jul-24											
19	Eastbound	79	25-Apr-24	30-Jul-24				, ,							
20	Road level CH6+236 to CH6+567 (331m; 15m/bay; 22 bays)	64	14-May-24	30-Jul-24											
21	Bay 3	4	14-May-24	18-May-24*							Bay 3				
22	Bay 4	4	20-May-24	23-May-24	+			: 				Ray /	·		
23	Bay 5	4	24-May-24	28-May-24				: } :				Ba	iy 5		
24	Bay 6	4	29-May-24	01-Jun-24											
25	Bay 7	4	03-Jun-24	06-Jun-24	+			: { : :						Bav 7	
26	Bay 8	4	07-Jun-24	12-Jun-24											Bay 8
27	Bay 9	4	13-Jun-24	17-Jun-24				, ,						 1	
28	Bay 10	4	18-Jun-24	21-Jun-24				: {					: 		
20		4	22-Jun-24	21-Jun-24 26-Jun-24				: : :					: 		
30	Bay 11	· ·						: : 4					: : 		
30	Bay 1	4	27-Jun-24*	02-Jul-24									- 		
	Bay 2	4	03-Jul-24	06-Jul-24				; ; ;					: : :		
32	Bay 3	4	08-Jul-24	11-Jul-24			ا ا لہ ـ ـ ـ ـ ـ ـ ـ ـ ـ ـ						 - 		
33	Bay 4	4	12-Jul-24	16-Jul-24											
34	Bay 5	4	17-Jul-24	20-Jul-24	ļ										
35	Bay 6	4	22-Jul-24	25-Jul-24	 			: ; ;					: : :		
36	Bay 7	4	26-Jul-24	30-Jul-24				: : ; ;					: : : 		
37	Crown level CH6+236 to CH6+567 (331m; 40m/bay; 9 bays)	48	25-Apr-24	22-Jun-24	ļ			: : : :	De. 4				: : :		
38	Bay 4	8	25-Apr-24	04-May-24*	ļ				Bay 4	<u> </u>			: : : 		
39	Bay 5	8	06-May-24	14-May-24											
40	Bay 6	8	16-May-24	24-May-24				: : :				Bay 6	·		
41	Bay 7	8	25-May-24	03-Jun-24									Bay	7	
42	Bay 8	8	04-Jun-24	13-Jun-24	[,							Bay

Page 1 of 5

MilestonesPlanned Bar

Critcial Bar

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



Three Months Rolling Programme (May24 - Jul24)

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#	Act	ivity Name	Dur	Start	Finish	voril					Maria			20	24	1
						14	21	2	8	05	May 12	19	26	02	09	June
43		Bay 9	8	14-Jun-24	22-Jun-24				<u> </u>							
44		Tunnel Internal Structure & Finishing	43	13-May-24	04-Jul-24											
45		Westbound	32	13-May-24	20-Jun-24											
46		CPS	32	13-May-24	20-Jun-24									: : :		
47		SUS - WB CPS E&M Bracket 420m leadtime	32	13-May-24*	20-Jun-24									1		
48		SUS - WB CPS TCSS Access Date	0		20-Jun-24									:		
49		Eastbound	32	27-May-24	04-Jul-24									· · · · · · · · · · · · · · · · · · ·		
50		CPS	32	27-May-24	04-Jul-24									· · ·		
51		SUS - EB CPS E&M Bracket 420m leadtime	32	27-May-24*	04-Jul-24									1		
52		SUS - EB CPS TCSS Access Date	0		04-Jul-24											
53		WEST VENTILATION BUILDING [WVB]	74	02-May-24	30-Jul-24											
54		WVB Construction	66	11-May-24	30-Jul-24											
55		External Works / EVA	66	11-May-24	30-Jul-24											
56		Access Road Construction	36	11-May-24	24-Jun-24					[5		
57		Fire Hydrants confirmation from FSD for FSI inspection	0		09-Jul-24			:						1 1 1		
58		EVA Construction	24	25-Jun-24	23-Jul-24											
59		Available CKR access for FSD inspection	36	18-Jun-24	30-Jul-24											
60		Essential Criteria for FSI	71	02-May-24	26-Jul-24											
61		Power Engerization	45	13-May-24	06-Jul-24									·		
62		CLP Installation	45	13-May-24*	06-Jul-24									1		
63		CLP Tx Rm - Power On	0		06-Jul-24											
64		Dangerous Goods Licenses	36	08-Jun-24	22-Jul-24	-										
65		Receipt of report of compliance	0		17-Jun-24											•
66		Submission of Application	7	08-Jun-24	17-Jun-24											
67		DG Licenses Inspection (Vent) by FSD	0		25-Jun-24											
68		DG Licenses Inspection (Layout) by FSD	0		15-Jul-24											
69		Issuance of Certificate from FSD	0		22-Jul-24											
70		Fireman Lift	36	02-May-24	14-Jun-24	-										
71		T&C (by OTIS) & Issue WR1 / Submisison of LE5	24	02-May-24*	30-May-24									T&C (by O	TIS) & Is	ssue W
72		EMSD Inspection	12	31-May-24	14-Jun-24								[EM
73		Issuance of Permit by EMSD	0	or May 21	14-Jun-24											Issu
74		Water Supply	41	06-Jun-24	26-Jul-24	-								- 		
75		FS Water (Inside WVB)	37	06-Jun-24	20-Jul-24 22-Jul-24											
76		Submission of WW046 Part IV for FS Water	0	00001124	06-Jun-24									• (Submiss	ion of \
77		Inspection for FS Water & Issuance of WW046 part V (a) by WSD	12	22-Jun-24	06-Jul-24									 		
78		Pipe Sterilization & Water Sampling	6	08-Jul-24	13-Jul-24									· 		
79				15-Jul-24	17-Jul-24									; ;		
		Water Sample Testing	3	15-J ul-24										: : 		
80		Issuance of WW046 Part V(b) from WSD	0		17-Jul-24											
81		Issuance of WWO1005 Certificate for FS Water from WSD	0		22-Jul-24											
82		Connect pipe insde WVB to Master Meter Cabinet	4	18-Jul-24	22-Jul-24											
83		FS Lead-in Watermain	22	29-Jun-24	26-Jul-24	.										
84		Submission WW046 Part IV for water connection	0		29-Jun-24*											
85		Inspection for FS Lead-in watermain & issuance of WW046 part V (a	12	13-Jul-24	26-Jul-24									1 1 1		
86		Final T&C and FSI Inspection	0	23-Jul-24	23-Jul-24			1								
Page	e 2 (Planned Bar		E	D/2018/04	l Trun	k Ro	ad T2	and	l Infra	structu	ire Wo	orks			
		Critcial Bar									Apron					

Three Months Rolling Programme (May24 - Jul24)

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Submit Application Form (FS501) LAUNCHING SHAFT Cell 1 & 2 OHVD & Top Slab Waterproofing + Backfilling stage 1 (-10.5 mPD) Cut & Cover Roof Slab RC Roof Slab formworks dismantling + waterproofing LSCC Manhole and Gully construction TBM TUNNELLING S1282 Eastbound	0 62 32 32 32 60 30 18 12	02-Apr-24 09-May-24 09-May-24 09-May-24 02-Apr-24 02-Apr-24	23-Jul-24 17-Jun-24 17-Jun-24 17-Jun-24 17-Jun-24 14-Jun-24	<u>pril</u> 1421	2	8 0	05	May 12	19	26	02		June)9
LAUNCHING SHAFT Cell 1 & 2 OHVD & Top Slab Waterproofing + Backfilling stage 1 (-10.5 mPD) Cut & Cover Roof Slab RC Roof Slab formworks dismantling + waterproofing LSCC Manhole and Gully construction TBM TUNNELLING	62 32 32 32 60 30 18	09-May-24 09-May-24 09-May-24 02-Apr-24	17-Jun-24 17-Jun-24 17-Jun-24 17-Jun-24			<u> </u>							
LAUNCHING SHAFT Cell 1 & 2 OHVD & Top Slab Waterproofing + Backfilling stage 1 (-10.5 mPD) Cut & Cover Roof Slab RC Roof Slab formworks dismantling + waterproofing LSCC Manhole and Gully construction TBM TUNNELLING	32 32 32 60 30 18	09-May-24 09-May-24 09-May-24 02-Apr-24	17-Jun-24 17-Jun-24 17-Jun-24										
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Waterproofing + Backfilling stage 1 (-10.5 mPD) Cut & Cover Roof Slab RC Roof Slab formworks dismantling + waterproofing LSCC Manhole and Gully construction TBM TUNNELLING	32 32 60 30 18	09-May-24 09-May-24 02-Apr-24	<mark>17-Jun-24</mark> 17-Jun-24		· · · · · · · · · · · · · · · · · · ·								
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LSCC Manhole and Gully construction TBM TUNNELLING			08-May-24				Roof	Slab RC			2 2 2 2		
TBM TUNNELLING	12	09-May-24	30-May-24								Roof Sla	ab formw	vorks dism
		31-May-24	14-Jun-24										💻 LSC
S1282 Eastbound	78	15-Apr-24	18-Jul-24										
	78	15-Apr-24	18-Jul-24		· · · · · · · · · · · · · · · · · · ·						·		
CKL Seawall removal	43	30-May-24	11-Jul-24										
Bay 3b-4 seawall and spoil removal	43	30-May-24	11-Jul-24		:						- -		
Utilities Relocation	72	15-Apr-24	11-Jul-24										
EB Tunnel Slurry pipe relocation up to CP16 @ 1CP / week	30	15-Apr-24	21-May-24						EB	Tunnel S	lurry pipe	e relocati	on up to (
EB Tunnel Slurry pipe relocation up to CP21 @ 1CP / week	42	22-May-24	11-Jul-24										
TBM Excavation	49	31-May-24	18-Jul-24		1						1 1 1		
15 May 24 EB TBM re-start CH8632 R0900	0	31-May-24*								•	15 May	24 EB 1	TBM re-sta
CH 8632-8661 R0913 - Rock excavation 28.6m @ 1.4m/d	20	31-May-24	19-Jun-24							[1		
CH 8661-8687 R0925 - Rock excavation 26.4m @ 1.4m/d	19	30-Jun-24	18-Jul-24										
S1281 Westbound	0	31-May-24	31-May-24								1		
TBM Excavation	0	31-May-24	31-May-24										
31 May 24 WB TBM re-start CH8612 R0891	0	31-May-24								•	31 May	24 WB	TBM re-st
INTERNAL STRUCTURES	41	31-May-24	19-Jul-24								: : :		
Service Gallery B	32	12-Jun-24	19-Jul-24								1 1 1		
Eastbound	32	12-Jun-24	19-Jul-24										
EB ISIG re-start at SG0820E	0	02-Jul-24											
EB SG0820 - SG0833 13 nos installation 28.6m	20	12-Jun-24	05-Jul-24								·		
EB SG850 completion for CP2.2 installation	0	08-Jul-24											
EB SG0833E - SG0845E 12 nos installation 26.4m	11	08-Jul-24	19-Jul-24								: 		
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Eastbound													
Type A1/A2 Lining	8										· · · · · · · · · · · · · · · · · · ·		
EB Type A1 to C1-C2 fwks adjustment 2nd stage	8	20-May-24*	28-May-24							EE EE	3 Type A1	1 to C1-(C2 fwks a
Type C Wall & Crown	12	17-Apr-24	30-Apr-24		ر ۱ ۱ ۱								
5		E	fo	r Developr	ments	at Sou	uth Ap	oron					
	Westbound WB ISIG re-start at SG0814W Thermal Barrier Crown Westbound @ 7.5 R/day EB Crown Fire Board transfer to WB Road Level Eastbound NCPS EB NCP Fire Board up to CP11 @ 13.2m/d CHA KVVO LING TUNNEL Eastbound Type A1/A2 Lining EB Type A1 to C1-C2 fwks adjustment 2nd stage Type C Wall & Crown 15	Westbound0WB ISIG re-start at SG0814W0Thermal Barrier40Crown12Westbound @ 7.5 R/day12EB Crown Fire Board transfer to WB12Road Level38Eastbound38Eastbound38CPS38EB NCP Fire Board up to CP11 @ 13.2m/d38CHA KWO LING TUNNEL95Eastbound34Type A1/A2 Lining8EB Type A1 to C1-C2 fwks adjustment 2nd stage8Type C Wall & Crown125	Westbound 0 12-Jun-24 WB ISIG re-start at SG0814W 0 12-Jun-24 Thermal Barrier 40 31-May-24 Crown 12 31-May-24 Westbound @ 7.5 R/day 12 31-May-24 EB Crown Fire Board transfer to WB 12 31-May-24 Road Level 38 03-Jun-24 Eastbound 38 03-Jun-24 NCPS 38 03-Jun-24 EB NCP Fire Board up to CP11 @ 13.2m/d 38 03-Jun-24 Eastbound 34 17-Apr-24 Type A1/A2 Lining 8 20-May-24* EB Type A1 to C1-C2 fwks adjustment 2nd stage 8 20-May-24* Type C Wall & Crown 12 17-Apr-24	Westbound 0 12-Jun-24 12-Jun-24 WB ISIG re-start at SG0814W 0 12-Jun-24 18-Jul-24 Thermal Barrier 40 31-May-24 18-Jul-24 Crown 12 31-May-24 14-Jun-24 Westbound @ 7.5 R/day 12 31-May-24 14-Jun-24 EB Crown Fire Board transfer to WB 12 31-May-24 14-Jun-24 Road Level 38 03-Jun-24 18-Jul-24 Eastbound 38 03-Jun-24 18-Jul-24 NCPS 38 03-Jun-24 18-Jul-24 EB NCP Fire Board up to CP11@ 13.2m/d 38 03-Jun-24* 18-Jul-24 Eastbound 34 17-Apr-24 28-May-24 EB NCP Fire Board up to CP11@ 13.2m/d 38 03-Jun-24* 18-Jul-24 Eastbound 34 17-Apr-24 28-May-24 28-May-24 EB Type A1 (A2 Lining 8 20-May-24* 28-May-24 28-May-24 EB Type A1 to C1-C2 fwks adjustment 2nd stage 12 17-Apr-24 30-Apr-24 5	Westbound 0 12-Jun-24 12-Jun-24 WB ISIG re-start at SG0814W 0 12-Jun-24 18-Jul-24 Thermal Barrier 40 31-May-24 18-Jul-24 Crown 12 31-May-24 14-Jun-24 Westbound @ 7.5 R/day 12 31-May-24 14-Jun-24 EB Crown Fire Board transfer to WB 12 31-May-24 14-Jun-24 Road Level 38 03-Jun-24 18-Jul-24 Eastbound 38 03-Jun-24 18-Jul-24 Eastbound 38 03-Jun-24 18-Jul-24 EB NCP Fire Board up to CP11 @ 13.2m/d 38 03-Jun-24* 18-Jul-24 Eastbound 38 03-Jun-24* 18-Jul-24 Eastbound 38 03-Jun-24* 18-Jul-24 EB NCP Fire Board up to CP11@ 13.2m/d 38 03-Jun-24* 18-Jul-24 Eastbound 34 17-Apr-24 28-May-24 Type A1/A2 Lining 8 20-May-24* 28-May-24 EB Type A1 to C1-C2 fwks adjustment 2nd stage 12 17-Apr-24 30-Apr-24 5 Milestones Planned Bar	Westbound 0 12-Jun-24 12-Jun-24 WB ISIG re-start at SG0814W 0 12-Jun-24 18-Jul-24 Thermal Barrier 40 31-May-24 18-Jul-24 Crown 12 31-May-24 14-Jun-24 Westbound @ 7.5 R/day 12 31-May-24 14-Jun-24 EB Crown Fire Board transfer to WB 12 31-May-24 14-Jun-24 Road Level 38 03-Jun-24 18-Jul-24 Eastbound 38 03-Jun-24 18-Jul-24 Eastbound 38 03-Jun-24 18-Jul-24 Eastbound 38 03-Jun-24 18-Jul-24 EB NCP Fire Board up to CP11 @ 13.2m/d 38 03-Jun-24* 18-Jul-24 EB NCP Fire Board up to CP11 @ 13.2m/d 38 03-Jun-24* 18-Jul-24 EB TUNNEL 95 06-Apr-24 30-Jul-24 EB Type A1 to C1-C2 fwks adjustment 2nd stage 8 20-May-24* 28-May-24 Type CWall & Crown 12 17-Apr-24 30-Apr-24 5 Milestones 9 12 17-Apr-24 5 Planned Bar Critcial	Westbound 0 12-Jun-24 12-Jun-24 WB ISIG re-start at SG0814W 0 12-Jun-24 18-Jul-24 Thermal Barrier 40 31-May-24 18-Jul-24 Crown 12 31-May-24 14-Jun-24 Westbound @ 7.5 R/day 12 31-May-24 14-Jun-24 EB Crown Fire Board transfer to WB 12 31-May-24 14-Jun-24 Road Level 38 03-Jun-24 18-Jul-24 Eastbound 38 03-Jun-24 18-Jul-24 KOPS 38 03-Jun-24 18-Jul-24 EB NCP Fire Board up to CP11 @ 13.2m/d 38 03-Jun-24 18-Jul-24 EB NCP Fire Board up to CP11 @ 13.2m/d 38 03-Jun-24 18-Jul-24 EB Type A1 to C1-C2 fwks adjustment 2nd stage 8 20-May-24 28-May-24 EB Type A1 to C1-C2 fwks adjustment 2nd stage 12 17-Apr-24 30-Apr-24 '5 Image: Planned Bar 12 17-Apr-24 30-Apr-24 '5 Image: Planned Bar Image: Planned Bar Image: Planned Bar Image:	Westbound 0 12-Jun-24 12-Jun-24 WB ISIG re-start at SG0814W 0 12-Jun-24 18-Jul-24 Thermal Barrier 40 31-May-24 18-Jul-24 Crown 12 31-May-24 14-Jun-24 Westbound @ 7.5 R/day 12 31-May-24 14-Jun-24 EB Crown Fire Board transfer to WB 12 31-May-24 14-Jun-24 Road Level 38 03-Jun-24 18-Jul-24 Eastbound 38 03-Jun-24 18-Jul-24 CHA KWO LING TUNNEL 95 06-Apr-24 30-Jul-24 Eastbound 34 17-Apr-24 28-May-24 Type A1/A2 Lining 8 20-May-24 28-May-24 EB Type A1 to C1-C2 fwks adjustment 2nd stage 12 17-Apr-24 28-May-24 5 Milestones 12 17-Apr-24 30-Apr-24 5 Milestones 12 17-Apr-24 30-Apr-24	Westbound 0 12-Jun-24 12-Jun-24 12-Jun-24 WB ISIG re-start at SG0814W 0 12-Jun-24 Image: Construction of the start at SG0814W Image: Construction of the start at South Apron Image: Construction of the start at South Apron	Westbound 0 12-Jun-24 12-Jun-24 WB ISIG re-start at SG0814W 0 12-Jun-24 18-Jul-24 Thermal Barrier 40 31-May-24 18-Jul-24 Crown 12 31-May-24 14-Jun-24 Westbound @ 7.5 R/day 12 31-May-24 14-Jun-24 EB Crown Fire Board transfer to WB 12 31-May-24 14-Jun-24 Road Level 38 03-Jun-24 18-Jul-24 Eastbound 38 03-Jun-24 18-Jul-24 KCPS 38 03-Jun-24 18-Jul-24 EB NCP Fire Board up to CP11 @ 13.2m/d 38 03-Jun-24* 18-Jul-24 Eastbound 34 17-Apr-24 28-May-24 Eastbound 34 17-Apr-24 28-May-24 EB Type A1 to C1-C2 fwks adjustment 2nd stage 8 20-May-24* 28-May-24 EB Type A1 to C1-C2 fwks adjustment 2nd stage 12 17-Apr-24 30-Apr-24 5 Milestones Planned Bar Chile Bar 30-Apr-24	Westbound 0 12.Jun-24 12.Jun-24 WB ISIG re-start at SG0814W 0 12.Jun-24 18.Jul-24 Thermal Barrier 40 31-May-24 18.Jul-24 Crown 12 31-May-24 14.Jun-24 Westbound @ 7.5 R/day 12 31-May-24 14.Jun-24 EB Crown Fire Board transfer to WB 12 31-May-24 14.Jun-24 Road Level 38 03.Jun-24 18.Jul-24 Eastbound 38 03.Jun-24 18.Jul-24 MCPS 38 03.Jun-24 18.Jul-24 Eastbound 38 03.Jun-24 18.Jul-24 CHA KWO LING TUNNEL 95 06.Apr-24 30.Jul-24 Eastbound 34 17.Apr-24 28.May-24 Type A1/A2 Lining 8 20.May-24* 28.May-24 EB Type A1 to C1-C2 fivks adjustment 2nd stage 8 20.May-24* 28.May-24 '5 Imaed Bar Critcial Bar 2 17.Apr-24 30.Apr-24	Westbound 0 12-Jun-24 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#	Activity Name	Dur	Start	Finish			2024
Tr.		Dui		1 mon	vpril	May	June
132	EB Type C1 Crown (1 bay 8d/bay)	12	17-Apr-24	30-Apr-24	14 21	28 05 12 19 26 i: EB Type C1 Crown (1 bay 8d/bay) : :	02 09
132	Westbound	69	11-Apr-24	04-Jul-24			
133	Type A	69	11-Apr-24 11-Apr-24	04-Jul-24 04-Jul-24			
135	WB Type A1 OHVD Slab	45	11-Apr-24	04-Jun-24		· · · · · · · · · · · · · · · · · · ·	WB Type A1 OH\
136	WB Pilot TBM bulkhead construction 2nd bulkhead (alap)	48	16-Apr-24	13-Jun-24			WB
137	WB Type A1 OHVD Slab fwk dismantling	24	05-Jun-24	04-Jul-24			
137	CKL Internal Structures						
138	Fire Board - Crown (TBC)	95 22	06-Apr-24 06-Apr-24	30-Jul-24 02-May-24			
140	EB Type A Fire Board (to be deleted)	22	06-Apr-24	02-May-24		EB Type A Fire Board (to be deleted)	
141	Fire Board - Road Level (TBC)	51	30-May-24	30-Jul-24			
142	Branch Tunnel Fire Board	22	30-May-24*	25-Jun-24		;; ;	
143	EB Type A Fire Board	22	04-Jul-24	29-Jul-24		· · · · · · · · · · · · · · · · · · ·	
144	WB Type A Fire Board	22	05-Jul-24	30-Jul-24		<u>.</u>	
	Footbridge - FB-03						
145 146	FT-03 - Bearing Manufacturing	72 72	26-Apr-24	23-Jul-24 23-Jul-24		{}	
140	EAST VENTILATION BUILDING [EVB]		26-Apr-24				
		52	20-May-24	20-Jul-24		ļ	
148 149	EVB Construction E&M	35	20-May-24	29-Jun-24			
149	EVB - E&M works (LG2)	24 24	20-May-24 20-May-24*	17-Jun-24 17-Jun-24			
	Footbridge FB03						
151 152	Installation of Structural Frames	30 30	25-May-24 25-May-24	29-Jun-24 29-Jun-24		<u>.</u>	
152	Essential Criteria for FSI	31	14-Jun-24	29-Jul-24			
153	Power Engerization	18	14-Jun-24 14-Jun-24	20-Jul-24 05-Jul-24		<u>}</u>	
155	CLP Rm - ABWF works	18	14-Jun-24	05-Jul-24			
156	Dangerous Goods Licenses	18	29-Jun-24	20-Jul-24		<u> </u>	
157	Fuel Tank Room - ABWF works	18	29-Jun-24	20-Jul-24			
158	E&M INSTALLATION	73	29-Apr-24	26-Jul-24			
159	E&M	73	29-Apr-24	26-Jul-24			
	1st section CH6703-7109 - (406m) WB CPS & NCPS + EB CPS						
160	· · ·	67	29-Apr-24	19-Jul-24			
161	E&M Installation (BYME)	67	29-Apr-24	19-Jul-24			
162	CP side	24	21-Jun-24	19-Jul-24			
163	2nd Fixing	24	21-Jun-24	19-Jul-24			
164	Cable Fixing - CPS	24	21-Jun-24	19-Jul-24			
165	OHVD Soffit	39	29-Apr-24	15-Jun-24			
166	1st Fixing	39	29-Apr-24	15-Jun-24			
167	Black paint painting	11	29-Apr-24*	11-May-24		Black paint painting	
168	Linear Heat Detection Cable bracket, Containment Installation - O	28	13-May-24	15-Jun-24			
169	Non CP side	24	21-Jun-24	19-Jul-24			
170	2nd Fixing	24	21-Jun-24	19-Jul-24			
171	Cable Laying - NCPS	10	21-Jun-24	03-Jul-24			
172	Cable Fixing - NCPS	14	04-Jul-24	19-Jul-24			
172	2nd section CH7109-7607 - (498m) WB CPS & NCPS + EB CPS	62		26-Jul-24			
	E&M Installation (BYME)		13-May-24				
174		62	13-May-24	26-Jul-24			
175	CP side	34	17-Jun-24	26-Jul-24			
Page	 ♦ ♦ Milestones Planned Bar Critcial Bar 			fo	r Developments	2 and Infrastructure Works s at South Apron	
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Linear He	eat Detection	on Cable b	racket, C	ontainmen	t Installatio	on - OHV
		Cal	ole Laying	- NCPS		· · · · · · · · · · · · · · · · · · ·
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						pril 14	21	28	05		May 2	19	26	02		June 09
176		2nd Fixing	34	17-Jun-24	26-Jul-24	<u> </u>		 		·		10		02		
177		Cable Laying - CPS	10	17-Jun-24*	27-Jun-24			 								
178		Cable Fixing - CPS	24	28-Jun-24	26-Jul-24			 								
179		OHVD Soffit	6	13-May-24	20-May-24			 								
180		1st Fixing	6	13-May-24	20-May-24			 								
181		Black paint painting	6	13-May-24	20-May-24			 				Black	paint pair	nting		
182		Non CP side	35	03-Jun-24	15-Jul-24			 								
183		2nd Fixing	35	03-Jun-24	15-Jul-24			 								
184		HV Cable Pulling - NCPS (Parapet location)	30	03-Jun-24*	09-Jul-24											
185		Cable Laying - NCPS	10	04-Jul-24	15-Jul-24			 								
186		3rd section CH7607-8107 - (500m) WB CPS & NCPS + EB CPS	56	21-May-24	26-Jul-24			 								
187		E&M Installation (BYME)	56	21-May-24	26-Jul-24			 								
188		CP side	10	28-Jun-24	10-Jul-24			 								
189		2nd Fixing	10	28-Jun-24	10-Jul-24			 								
190		Cable Laying - CPS	10	28-Jun-24	10-Jul-24			 								
191		OHVD Soffit	36	21-May-24	03-Jul-24											
192		1st Fixing	36	21-May-24	03-Jul-24			 								
193		Black paint painting	6	21-May-24	27-May-24								🔲 Black	k paint pai	nting	
194		Linear Heat Detection Cable bracket, Containment Installation - O	30	28-May-24	03-Jul-24			 								
195		Non CP side	10	16-Jul-24	26-Jul-24			 								
196		2nd Fixing	10	16-Jul-24	26-Jul-24								:			
197		Cable Laying - NCPS	10	16-Jul-24	26-Jul-24			 1					2 2 2 1			
198		TCSS Access Date	24	28-Jun-24	27-Jul-24			 1					1 1 1 1 1			
199		CP7 - CP16	24	28-Jun-24	27-Jul-24			 								
200		CPS	0	28-Jun-24	28-Jun-24			 					1			
201		TCSS access date CPS	0	28-Jun-24												
202		OHVD	0	27-Jul-24	27-Jul-24			 								
203		TCSS access date OHVD soffit	0	27-Jul-24				 								
204		NCPS	0	16-Jul-24	16-Jul-24			 								
205		TCSS access date NCPS	0	16-Jul-24				 								

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MilestonesPlanned Bar

Critcial Bar

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

Three Months Rolling Programme (May24 - Jul24)

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	 Ca	ble Laying - CPS
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		Cable Laying - NCPS
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# /	Activity Name	Dur	Start	Start Finish	2024									
	,				01	08	July 15	22		29	05	Aug 12	gust	19
1	HKT2 P65 Rev. B 3-mth rolling (Jul24 - Sep24)	84	02-Jul-24	28-Sep-24	01	00	10			29 [05	12		19
2	SUPPORTING UNDERGROUND STRUCTURE [SUS]	71	05-Jul-24	17-Sep-24										
3	Skin Wall Construction	49	05-Jul-24	24-Aug-24										
4	Westbound	9	05-Jul-24	13-Jul-24										
5	Road level CH6+259 to CH6+567 (308m; 15m/bay; 21 bays)	9	05-Jul-24	13-Jul-24										
6	Bay 20	4	05-Jul-24	09-Jul-24		Bay 2	20							
7	Bay 21	4	10-Jul-24	13-Jul-24			Bay 21							
8	Eastbound	49	05-Jul-24	24-Aug-24										
9	Road level CH6+236 to CH6+567 (331m; 15m/bay; 22 bays)	49	05-Jul-24	24-Aug-24										
10	Bay 1	4	05-Jul-24*	09-Jul-24		🔲 Bay 1			نی					
11	Bay 2	4	10-Jul-24	13-Jul-24			Bay 2							
12	Bay 3	4	15-Jul-24	18-Jul-24			Ba	ay 3						
13	Bay 4	4	19-Jul-24	23-Jul-24				Bay 4	F					
14	Bay 5	4	24-Jul-24	27-Jul-24										
15	Bay 6	4	29-Jul-24	01-Aug-24					·····	Bay	6			
16	Bay 7	4	02-Aug-24	06-Aug-24							🗖 Bay	7		
17	Bay 8	4	07-Aug-24	10-Aug-24								Bay 8		
18	Bay 9	4	12-Aug-24	15-Aug-24									Bay	9
19	Bay 10	4	16-Aug-24	20-Aug-24										🗖 Bay
20	Bay 11	4	21-Aug-24	24-Aug-24										
21	Tunnel Internal Structure & Finishing	66	10-Jul-24	17-Sep-24										
22	Westbound	2	10-Jul-24	12-Jul-24										
23	CPS	0	10-Jul-24	10-J ul-24										
24	SUS - WB CPS TCSS Access Date	0		10-J ul-24		♦ SUS	S - WB CPS	TCSS Acce	ss Date					
5	NCPS	0	12-Jul-24	12-J ul-24					·					
26	SUS - WB NCPS TCSS Access Date	0		12-J ul-24		•	SUS - WB N	CPS TCSS	Access	Date				
27	Eastbound	52	24-Jul-24	17-Sep-24										
28	CPS	0	24-Jul-24	24-J ul-24										
29	SUS - EB CPS TCSS Access Date	0		24-Jul-24				♦ SU:	S - EB (CPS TC	SS Acce	ss Date		
30	NCPS	36	12-Aug-24	17-Sep-24										
31	SUS - EB NCPS Fire Board 420m @ 13.2m/d	36	12-Aug-24	17-Sep-24										
32	WEST VENTILATION BUILDING [WVB]	73	02-Jul-24	17-Sep-24										
33	WVB Construction	27	10-Jul-24	06-Aug-24					-					
34	External Works / EVA	27	10-Jul-24	06-Aug-24										
35	Fire Hydrants confirmation from FSD for FSI inspection	0		23-J ul-24								m FSD fo		inspecti
36	EVA Construction	27	10-Jul-24	06-Aug-24]							Construct	ion	
37	Essential Criteria for FSI	33	02-Jul-24	06-Aug-24										
38	Power Engerization	0	06-Jul-24	06-Jul-24										
39	CLP Tx Rm - Power On	0		06-Jul-24	•	CLP Tx Rn	n - Power Or	1						
10	Dangerous Goods Licenses	32	02-Jul-24	05-Aug-24					1					
41	Receipt of report of compliance	0		02-Jul-24	♦ Recei		of complianc	е						
42	DG Licenses Inspection (Vent) by FSD	0		10-J ul-24		♦ DG	Licenses Ins	spection (Ve	nt) by F	SD				
Page	 1 of 5 Milestones Planned Bar Critcial Bar 			ED/2018/0- fo			Γ2 and I ts at So			Wor	ks			BOU

Three Months Rolling Programme (Jul24 - Sep24)

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					01 08 15 22 29 05 12 19
43	DG Licenses Inspection (Layout) by FSD	0		29-Jul-24	◆ DG Licenses Inspection (Layout) by FSD
44	Issuance of Certificate from FSD	0		05-Aug-24	 Issuance of Certificate from FSI
45	Water Supply	29	08-Jul-24	06-Aug-24	
46	FS Water (Inside WVB)	28	08-Jul-24	05-Aug-24	
47	Inspection for FS Water & Issuance of WW046 part V (a) by WSD	13	08-Jul-24	20-Jul-24	Inspection for FS Water & Issuance of WW046 part V (a) by
48	Pipe Sterilization & Water Sampling	7	22-Jul-24	27-Jul-24	Pipe Sterilization & Water Sampling
49	Water Sample Testing	3	29-Jul-24	31-Jul-24	Water Sample Testing
50	Issuance of WW046 Part V(b) from WSD	0		31-Jul-24	 Issuance of WW046 Part V(b) from WSD
51	Issuance of WWO1005 Certificate for FS Water from WSD	0		05-Aug-24	♦ Issuance of WWO1005 Certifica
52	Connect pipe insde WVB to Master Meter Cabinet	4	01-Aug-24	05-Aug-24	Connect pipe insde WVB to Mas
53	FS Lead-in Watermain	23	13-Jul-24	06-Aug-24	
54	Inspection for FS Lead-in watermain & issuance of WW046 part V (;	13	13-Jul-24	26-Jul-24	Inspection for FS Lead-in watermain & issuance of
55	Pipe Sterilization & Water Sampling	7	27-Jul-24	02-Aug-24	Pipe Sterilization & Water Sampling
56	Issuance of WW046 Part V(b) from WSD	0		06-Aug-24	◆ Issuance of WW046 Part V(b)
57	Water Sample Testing	3	03-Aug-24	06-Aug-24	Water Sample Testing
58	Final T&C and FSI Inspection	69	08-Jul-24	17-Sep-24	
59	Submit Application Form (FS501)	0		06-Aug-24	 Submit Application Form (FS5
60	WVB - Overall T&C	29	08-Jul-24	06-Aug-24	WVB - Overall T&C
61	FSI Acceptance Inspection	27	21-Aug-24	17-Sep-24	
62	Issuance of FS Certificate	0		17-Sep-24	
63	SUB-SEA TUNNEL CROSS PASSAGE [CP]	31	27-Jul-24	28-Aug-24	
64	Tympanum Civil Works	31	27-Jul-24	28-Aug-24	
65	Westbound	31	27-Jul-24	28-Aug-24	
66	CP25 - WB - Tympanum Civil works CH8499	31	27-Jul-24	28-Aug-24	
67	INTERNAL STRUCTURES	42	19-Jul-24	31-Aug-24	
68	Thermal Barrier	42	19-Jul-24	31-Aug-24	
69	Road Level	42	19-Jul-24	31-Aug-24	
70	Eastbound	42	19-Jul-24	31-Aug-24	
71	NCPS	42	19-Jul-24	31-Aug-24	
72	EB NCP Fire Board up to CP16 @ 13.2m/d	42	19-Jul-24	31-Aug-24	
73	CHA KWO LING TUNNEL	56	02-Jul-24	28-Aug-24	
74	Eastbound	20	29-Jul-24	17-Aug-24	
75	Type C OHVD	20	29-Jul-24	17-Aug-24	
76	EB Type C1 & 2 OHVD slab fwks assembly	20	29-Jul-24	17-Aug-24	ЕВ Туре С
77	CKL Internal Structures	56	02-Jul-24	28-Aug-24	
78	Fire Board - Crown (TBC)	27	02-Jul-24	29-Jul-24	
79	WB Type A Fire Board (to be deleted)	27	02-Jul-24	29-Jul-24	WB Type A Fire Board (to be deleted)
80	Fire Board - Road Level (TBC)	56	02-Jul-24	28-Aug-24	
81	Branch Tunnnel Fire Board (to be deleted)	24	02-Jul-24*	26-Jul-24	Branch Tunnnel Fire Board (to be deleted)
82	WB Type A Fire Board (to be deleted)	24	27-Jul-24	21-Aug-24	WB
83	EB Type A Fire Board (to be deleted)	24	03-Aug-24	28-Aug-24	
84	EAST VENTILATION BUILDING [EVB]	78	02-Jul-24	23-Sep-24	
Page	 2 of 5 Milestones Planned Bar Critcial Bar 			fo	4 Trunk Road T2 and Infrastructure Works or Developments at South Apron onths Rolling Programme (Jul24 - Sep24)

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#	Acti	ivity Name	Dur	Start	Finish							20	24	
						01	0.0	July	22	20	05	Aug	gust	10
85		EVB Construction	77	02-Jul-24	20-Sep-24		08	15	22	29	05	12		19
86		E&M	72	02-Jul-24	14-Sep-24									
87		EVB - E&M works (LG1)	72	02-Jul-24	14-Sep-24									
88		Footbridge FB03	73	05-Jul-24	20-Sep-24									
89		Installation of Structural Frames	33	05-Jul-24	08-Aug-24						ln	stallation	of Struc	ctural Fra
90		Bridge Deck Construction + Bearing Installation	40	09-Aug-24	20-Sep-24									
91		Essential Criteria for FSI	78	02-Jul-24	23-Sep-24									
92		Power Engerization	20	29-Aug-24	19-Sep-24									
93		CLP Rm - ABWF works	20	29-Aug-24	19-Sep-24									
94		Dangerous Goods Licenses	20	29-Aug-24	19-Sep-24									
95		Fuel Tank Room - ABWF works	20	29-Aug-24	19-Sep-24									
96		Water Supply	78	02-Jul-24	23-Sep-24									
97		FS Lead-in Watermain	78	02-Jul-24	23-Sep-24									
98		External Watermain (TBC)	53	02-Jul-24*	27-Aug-24									
99		Submission WW046 Part IV for water connection	0		27-Aug-24									
100		Inspection for FS Lead-in watermain & issuance of WW046 part V(a	13	07-Sep-24	23-Sep-24									
101	-	E&M INSTALLATION	84	02-Jul-24	28-Sep-24									
102		E&M	84	02-Jul-24	28-Sep-24									
103		1st section CH6703-7109 - (406m) WB CPS & NCPS + EB CPS	69	11-Jul-24	21-Sep-24									
104		E&M Installation (BYME)	69	11-Jul-24	21-Sep-24									
105		CP side	38	11-Jul-24	19-Aug-24									
106		2nd Fixing	38	11-Jul-24	19-Aug-24									
107		Cable Fixing - CPS	27	11-Jul-24	07-Aug-24							le Fixing		
108		Cable Joint works - CPS	22	27-Jul-24	19-Aug-24					· · · · · · · · · · · · · · · · · · ·				Cable J
109		OHVD Soffit	42	08-Aug-24	21-Sep-24									
110		2nd Fixing	42	08-Aug-24	21-Sep-24									
111		Tunnel Damper Wiring Works - OHVD	33	08-Aug-24	11-Sep-24									
112		Final Circuit Installation - OHVD	27	24-Aug-24	21-Sep-24									
113		Non CP side	64	11-Jul-24	16-Sep-24									
114		2nd Fixing	64	11-Jul-24	16-Sep-24									
115		Cable Laying - NCPS	11	11-Jul-24	22-Jul-24				🗖 Cable La	ying - NCP	S			
116		Cable Fixing - NCPS	16	23-Jul-24	07-Aug-24						Cat	le Fixing	- NCPS	\$
117		Smartone / CSL / GOFS by others	27	08-Aug-24	04-Sep-24									
118		Cable Joint works - NCPS	22	24-Aug-24	16-Sep-24	[								
119		2nd section CH7109-7607 - (498m) WB CPS & NCPS + EB CPS	84	02-Jul-24	28-Sep-24									
120		E&M Installation (BYME)	78	02-Jul-24	21-Sep-24									
121		CP side	22	27-Jul-24	19-Aug-24	[								
122		2nd Fixing	22	27-Jul-24	19-Aug-24	[								
123		Cable Joint works - CPS	22	27-Jul-24	19-Aug-24	[								Cable J
124		OHVD Soffit	76	02-Jul-24	19-Sep-24									
125		1st Fixing	33	02-Jul-24	05-Aug-24									
126		Linear Heat Detection Cable bracket, Containment Installation - O	33	02-Jul-24*	05-Aug-24						🗖 Linear	leat Dete	ction C	able bra
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Three Months Rolling Programme (Jul24 - Sep24)

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127       128       129       130       131       132       133       134       135       136       137	2nd Fixing Tunnel Damper Wiring Works - OHVD Final Circuit Installation - OHVD Non CP side 2nd Fixing Cable Laying - NCPS Cable Laying - NCPS Cable Fixing - NCPS Cable Joint works - NCPS Smartone / CSL / GOFS by others TCSS (Gtech) OHVD Soffit	Dur 42 33 27 58 58 58 11 16 22 27 60	Start           06-Aug-24           06-Aug-24           22-Aug-24           23-Jul-24           23-Jul-24           23-Jul-24           23-Jul-24           23-Jul-24           23-Jul-24           23-Jul-24           23-Jul-24           23-Jul-24           23-Jul-24	Finish 19-Sep-24 09-Sep-24 19-Sep-24 21-Sep-24 21-Sep-24 02-Aug-24 23-Aug-24	01	08	July 15	22	29		A 1.	· · · · · · · · · · · · · · · · · · ·	19
128         129         130         131         132         133         134         135         136	Tunnel Damper Wiring Works - OHVD         Final Circuit Installation - OHVD         Non CP side         2nd Fixing         Cable Laying - NCPS         Cable Fixing - NCPS         Cable Joint works - NCPS         Smartone / CSL / GOFS by others         TCSS (Gtech)	33 27 58 58 11 16 22 27	06-Aug-24 22-Aug-24 23-Jul-24 23-Jul-24 23-Jul-24 08-Aug-24	09-Sep-24 19-Sep-24 21-Sep-24 21-Sep-24 02-Aug-24								· · · · · · · · · · · · · · · · · · ·	
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131       132       133       134       135       136	Non CP side         2nd Fixing         Cable Laying - NCPS         Cable Fixing - NCPS         Cable Joint works - NCPS         Smartone / CSL / GOFS by others         TCSS (Gtech)	58 11 16 22 27	23-Jul-24 23-Jul-24 23-Jul-24 08-Aug-24	21-Sep-24 21-Sep-24 02-Aug-24						able Lavia		· · · · · · · · · · · ·	
132       133       134       135       136	Cable Laying - NCPS Cable Fixing - NCPS Cable Joint works - NCPS Smartone / CSL / GOFS by others TCSS (Gtech)	11 16 22 27	23-Jul-24 08-Aug-24	21-Sep-24 02-Aug-24						abla Lavia			
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136	TCSS (Gtech)			16-Sep-24									
	TCSS (Gtech)	60	24-Aug-24	21-Sep-24									
137	OHVD Soffit	00	27-Jul-24	28-Sep-24									
		53	27-Jul-24	21-Sep-24									
138	TCSS installation OHVD soffit	53	27-Jul-24	21-Sep-24									
139	NCPS	53	03-Aug-24	28-Sep-24									
140	TCSS installation OHVD NCPS	53	03-Aug-24	28-Sep-24									
141	3rd section CH7607-8107 - (500m) WB CPS & NCPS + EB CPS	82	04-Jul-24	28-Sep-24									
142	E&M Installation (BYME)	76	11-Jul-24	28-Sep-24									
143	CP side	49	11-Jul-24	30-Aug-24									
144	2nd Fixing	49	11-Jul-24	30-Aug-24									
145	Cable Fixing - CPS	27	11-Jul-24	07-Aug-24						Ca	ble Fixinq	J-CPS	\$
146	Cable Joint works - CPS	22	08-Aug-24	30-Aug-24									
147	OHVD Soffit	42	08-Aug-24	21-Sep-24									
148	2nd Fixing	42	08-Aug-24	21-Sep-24									
149	Tunnel Damper Wiring Works - OHVD	33	08-Aug-24	11-Sep-24									
150	Final Circuit Installation - OHVD	27	24-Aug-24	21-Sep-24									
151	Non CP side	53	03-Aug-24	28-Sep-24									
152	2nd Fixing	53	03-Aug-24	28-Sep-24									
153	Cable Laying - NCPS	11	03-Aug-24	14-Aug-24								Cable	Laying
154	Cable Fixing - NCPS	16	15-Aug-24	30-Aug-24							[		
155	Smartone / CSL / GOFS by others	27	31-Aug-24	28-Sep-24									
156	TCSS (Gtech)	60	04-Jul-24	04-Sep-24									
157	CPS	53	11-Jul-24	04-Sep-24									
158	TCSS installation CPS	53	11-Jul-24	04-Sep-24									
159	OHVD Soffit	53	04-Jul-24	28-Aug-24									
160	TCSS installation OHVD soffit	53	04-Jul-24	28-Aug-24									
161	Sub-sea Eastbound NCPS	53	19-Jul-24	12-Sep-24									
162	1st section CH6703-7109 - (406m)	53	19-Jul-24	12-Sep-24									
163	E&M Installation (BYME)	53	19-Jul-24	12-Sep-24									
164	Non CP side	53	19-Jul-24	12-Sep-24									
165	1st Fixing	27	19-Jul-24	15-Aug-24									
166	E&M Bracket	27	19-Jul-24	15-Aug-24								E&M	Bracke
167	2nd Fixing	27	16-Aug-24	12-Sep-24									
168	Cable Laying - NCPS	11	16-Aug-24	27-Aug-24									
Page 4 c	of 5			ED/2018/04 fc Three Mo	or Develo	opmen	ts at Sou	uth Apro	n			G	BOU

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#	Activity Name	Dur	Start	Finish	2024													
							July				August			September			)r	
					01	08	15	22	29	05	12	19	26	02	09	16	23	30
169	Cable Fixing - NCPS	16	28-Aug-24	12-Sep-24											Ca	ble Fixing -	NCPS	
170	TCSS Access Date	7	27-Jul-24	03-Aug-24														
171	CP7 - CP16	7	27-Jul-24	03-Aug-24														
172	OHVD	0	27-Jul-24	27-J ul-24					1					* 6 7				
173	TCSS access date OHVD soffit	0	27-Jul-24											4				
174	NCPS	0	03-Aug-24	03-Aug-24														
175	TCSS access date NCPS	0	03-Aug-24						•	TCSS acces	s date NCPS							

Page 5 of 5

MilestonesPlanned BarCritcial Bar

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



Three Months Rolling Programme (Jul24 - Sep24)

	Date	Revision	Checked	Approved
	31-Jan-24	Rev.A	SPa	
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# CONTRACT NO. ED/2020/03 **TRUNK ROAD T2** TRAFFIC CONTROL SURVEILLANCE SYSTEM AND ASSOCIATED WORKS

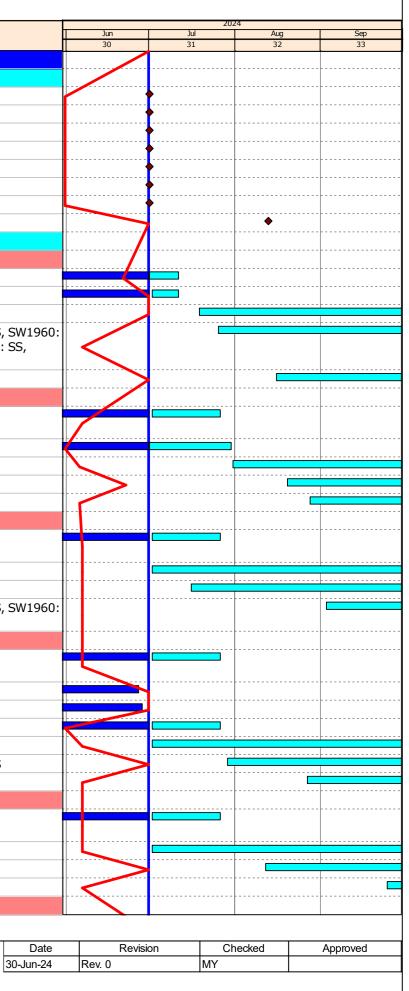
THREE MC									
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
Trunk Road T2	2 - Traffic Control & Surveillance System & Associated Works	466	01-Jul-24	20-Feb-25	03-Aug-23	20-Nov-26	01-Mar-23		
Access Dates		43	01-Jul-24	13-Aug-24	12-Jun-24	11-Nov-26			
AC1000	Portion 1 - South Apron Up to SUS	0	01-Jul-24		12-Jun-24				
AC1020	Portion 3 - CKL Branch Tunnel in TKO-LTT Site	0	01-Jul-24		11-Jan-25				
AC1030	Portion 4 - TKO-LTT (LT Interchange)	0	01-Jul-24		17-Aug-24				
AC1040	Underpass S21	0	01-Jul-24		26-Apr-25				
AC1050	Portion 2 - LS - CKL Tunnel CH 6+568 to CH 7+100	0	01-Jul-24		11-Nov-26				
AC1060	Portion 2 - LS - CKL Tunnel CH 7+100 to CH 7+600	0	01-Jul-24		29-Aug-24				
AC1070	Portion 2 - LS - CKL Tunnel CH 7+600 to CH 8+100	0	01-Jul-24		15-Oct-24				
AC1080	Portion 2 - LS - CKL Tunnel CH 8+100 to CH 8+750	0	13-Aug-24		04-Oct-24				
Summary by		466	01-Jul-24	20-Feb-25	03-Aug-23	20-Nov-26	01-Mar-23		
	B - Central System	316	01-Jul-24	18-Nov-24	01-Nov-23	11-Apr-25	01-Aug-23		
SC1060	Configuration for Central System	76	01-Jul-24	11-Jul-24	30-Sep-24	30-Sep-24	01-Aug-23		EM1150: SS
SC1050	FAT of Central System	59	02-Jul-24	11-Jul-24	01-Nov-23	30-Sep-24	31-Oct-23		EM1150: FS
SC1070	SCT Plan Submission & Approval for Central System	84	19-Jul-24	28-Oct-24	02-Dec-24	14-Mar-25			DS2940: SS
SC1080	Site Installation of Central System	87	26-Jul-24	07-Nov-24	23-Oct-24	17-Feb-25			SW1100: SS, SW1120: SS, SW SS, SW1090: SS, SW1670: SS, SW1770: SS
SC1090	SAT Plan Submission & Approval for Central System	78	16-Aug-24	18-Nov-24	07-Jan-25	11-Apr-25			DS3500: SS
Cost Center	C - Traffic Control Devices	378	01-Jul-24	12-Feb-25	30-Aug-24	07-May-25	31-Aug-23		
SC1150	Installation Drawing Preparation, Submission & Approval for Traffic Control Devices	72	02-Jul-24	26-Jul-24	30-Aug-24	30-Aug-24	31-Aug-23		DS5890: SS
SC1190	Equipment Manufacturing & Delivery for Traffic Control Devices	135	01-Jul-24	30-Jul-24	30-Aug-24	30-Aug-24	16-Sep-23		EM1320: SS
SC1200	SCT Plan Submission & Approval for Traffic Control Devices	84	31-Jul-24	08-Nov-24	12-Nov-24	22-Feb-25			DS2980: SS
SC1210	Site Installation of Traffic Control Devices	144	20-Aug-24	12-Feb-25	31-Aug-24	07-May-25			SW1110: SS
SC1220	SAT Plan Submission & Approval for Traffic Control Devices	84	28-Aug-24	06-Dec-24	30-Dec-24	11-Apr-25			DS3540: SS
Cost Center	D - Communication System	132	02-Jul-24	07-Nov-24	07-Oct-24	14-Mar-25	22-Apr-24		
SC1280	Installation Drawing Preparation, Submission & Approval for Communication System	60	02-Jul-24	26-Jul-24	07-Oct-24	07-Oct-24	22-Apr-24		DS5930: SS
SC1340	SCT Plan Submission & Approval for Communication System	84	02-Jul-24	09-Oct-24	24-Oct-24	14-Mar-25			DS3020: SS
SC1350	SAT Plan Submission & Approval for Communication System	80	16-Jul-24	19-Oct-24	07-Nov-24	13-Feb-25			DS3580: SS
SC1330	Site Installation of Communication System	54	03-Sep-24	07-Nov-24	23-Oct-24	17-Feb-25			SW1100: SS, SW1120: SS, SW
									SS
	E - CCTV System	383	02-Jul-24	09-Jan-25	25-Sep-24	20-Nov-26	01-Mar-23		
SC1410	Installation Drawing Preparation, Submission & Approval for CCTV System	99	02-Jul-24	26-Jul-24	20-Nov-26	20-Nov-26	01-Mar-23		DS5970: SS
SC1450	Equipment Manufacturing & Delivery for CCTV System	89					01-Aug-23	27-Jun-24	EM1050: SS
SC1440	FAT of CCTV System	96					31-Oct-23	28-Jun-24	EM1050: FS
SC1430	FAT Plan Submission & Approval for CCTV System	72	02-Jul-24	26-Jul-24	20-Nov-26	20-Nov-26	13-Dec-23		DS4050: SS
SC1460	SCT Plan Submission & Approval for CCTV System	84	02-Jul-24	09-Oct-24	15-0ct-24	03-Feb-25			DS3060: SS
SC1470	Site Installation of CCTV System	137	29-Jul-24	09-Jan-25	25-Sep-24	12-Mar-25			SW1060: SS, SW1940: SS
SC1480	SAT Plan Submission & Approval for CCTV System	84	27-Aug-24	05-Dec-24	10-Dec-24	22-Mar-25			DS3620: SS
	F - PABX System	389	02-Jul-24	16-Jan-25	08-Oct-24	15-May-25	27-Jul-23		
SC1560	Installation Drawing Preparation, Submission & Approval for PABX System	68	02-Jul-24	26-Jul-24	08-Oct-24	08-Oct-24	27-Jul-23		DS6010: SS
SC1600	SCT Plan Submission & Approval for PABX System	84	02-Jul-24	09-Oct-24	06-Nov-24	31-Mar-25			DS3100: SS
SC1590	Site Installation of PABX System	131	12-Aug-24	16-Jan-25	27-Nov-24	03-Mar-25			SW2380: SS
SC1610	SAT Plan Submission & Approval for PABX System	84	25-Sep-24	04-Jan-25	04-Feb-25	15-May-25			DS3660: SS
Cost Center	G - ET System	215	02-Jul-24	16-Jan-25	08-Oct-24	31-Mar-25	26-Mar-24		
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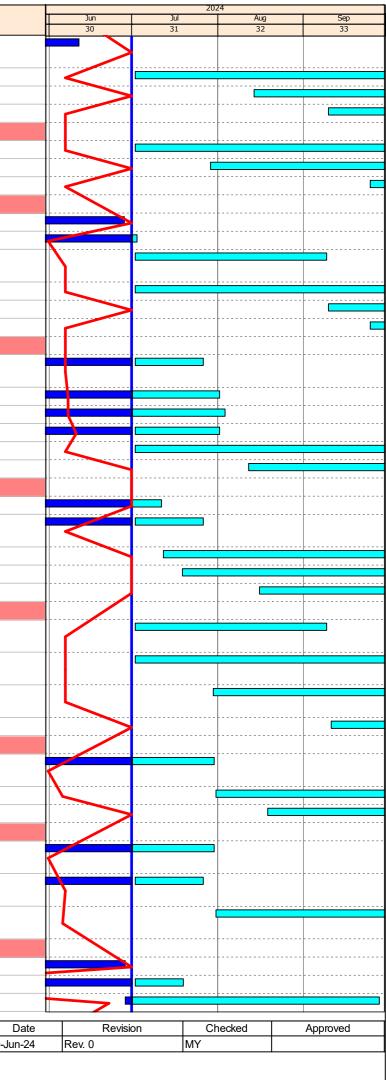
Milestone

Critical Activity

# Appendix III B - Three Month Rolling Programme



Activ	ity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
	SC1690	Installation Drawing Preparation, Submission & Approval for ET System	72					26-Mar-24	11-Jun-24	DS6050: SS
	SC1730	SCT Plan Submission & Approval for ET System	84	02-Jul-24	09-Oct-24	08-Oct-24	03-Feb-25			DS3140: SS
	SC1720	Site Installation of ET System	129	14-Aug-24	16-Jan-25	17-Jan-25	10-Mar-25			SW2340: SS
	SC1740	SAT Plan Submission & Approval for ET System	84	10-Sep-24	19-Dec-24	18-Dec-24	31-Mar-25			DS3700: SS
		H - PA System	156	02-Jul-24	04-Jan-25	23-0ct-24	29-Apr-25			
	SC1850	SCT Plan Submission & Approval for PA System	84	02-Jul-24	09-Oct-24	23-0ct-24	03-Mar-25			DS3180: SS
	SC1860	Site Installation of PA System	131	29-Jul-24	02-Jan-25	13-Nov-24	17-Feb-25			SW2370: SS
	SC1870	SAT Plan Submission & Approval for PA System	84	25-Sep-24	04-Jan-25	17-Jan-25	29-Apr-25			DS3740: SS
		I - Radio System	359	01-Jul-24	23-Jan-25	01-Feb-24	24-Mar-25	01-Aug-23	20.1 24	51410000 000
	SC1970	Equipment Manufacturing & Delivery for Radio System	119	04.1.1.0.4	00.1.1.0.4	04 5 1 04	46.0.1.24	01-Aug-23	28-Jun-24	EM1090: SS
	SC1960	FAT of Radio System	14	01-Jul-24	02-Jul-24	01-Feb-24	16-Oct-24	31-Jan-24		EM1090: FS
	SC1930	Installation Drawing Preparation, Submission & Approval for Radio System	60	02-Jul-24	09-Sep-24	12-Aug-24	23-Oct-24			DS6130: SS
	SC1980	SCT Plan Submission & Approval for Radio System	84	02-Jul-24	09-Oct-24	14-Sep-24	15-Mar-25			DS3220: SS
	SC1990	Site Installation of Radio System	112	10-Sep-24	23-Jan-25	26-Dec-24	15-Mar-25			SW2390: SS
	SC2000	SAT Plan Submission & Approval for Radio System	84	25-Sep-24	04-Jan-25	11-Dec-24	24-Mar-25			DS3780: SS
	Cost Center	J - Detection System	364	01-Jul-24	23-Jan-25	01-Nov-23	20-Nov-26	24-May-23		
	SC2060	Installation Drawing Preparation, Submission & Approval for Detection System	124	02-Jul-24	26-Jul-24	20-Nov-26	20-Nov-26	24-May-23		DS6170: SS
	SC2100	Equipment Manufacturing & Delivery for Detection System	90	01-Jul-24	01-Aug-24	09-Jan-25	09-Jan-25	01-Aug-23		EM1100: SS, EM1660: SS
	SC2090	FAT of Detection System	87	01-Jul-24	03-Aug-24	01-Nov-23	28-Aug-24	31-Oct-23		EM1100: FS, EM1660: FS
	SC2080	FAT Plan Submission & Approval for Detection System	66	02-Jul-24	01-Aug-24	09-Jan-25	09-Jan-25	19-Apr-24		DS4450: SS, DS8420: SS
	SC2110	SCT Plan Submission & Approval for Detection System	84	02-Jul-24	09-Oct-24	09-Sep-24	17-Jan-25			DS3260: SS
	SC2120	Site Installation of Detection System	137	12-Aug-24	23-Jan-25	05-Sep-24	12-Mar-25			SW1070: SS, SW1250: SS
		K - Manual Fallback System	245	01-Jul-24	25-Nov-24	30-Sep-24	14-Mar-25	01-Aug-23		
	SC2220	FAT of Manual Fallback System	60	01-Jul-24	11-Jul-24	30-Sep-24	30-Sep-24	01-Aug-23		EM1640: SS
	SC2190	Installation Drawing Preparation, Submission & Approval for Manual Fallback System	60	02-Jul-24	26-Jul-24	27-Jan-25	27-Jan-25	31-Aug-23		DS6210: SS
	SC2200	Post FAT Configuration for Manual Fallback System	90	12-Jul-24	09-Oct-24	01-Oct-24	27-Jan-25			EM1540: FS
	SC2250	SCT Plan Submission & Approval for Manual Fallback System	84	19-Jul-24	28-Oct-24	08-Oct-24	14-Mar-25			DS3300: SS
	SC2270	SAT Plan Submission & Approval for Manual Fallback System	84	16-Aug-24		06-Nov-24				DS3860: SS
	SC2340	L - Speed Enforcement System Installation Drawing Preparation, Submission & Approval for Speed	178 60	02-Jul-24 02-Jul-24	03-Feb-25 09-Sep-24	30-Nov-24 17-Dec-24	07-May-25 01-Mar-25			DS6290: SS
	SC2340	Enforcement System SCT Plan Submission & Approval for Speed Enforcement System	84	02-Jul-24	09-Sep-24	30-Nov-24	22-Mar-25			DS3380: SS
	SC2380	Reliability Test Plan Submission & Approval for Speed Enforcement System	84	30-Jul-24	07-Nov-24	30-Dec-24	11-Apr-25			DS3940: SS
	SC2390	Site Installation of Speed Enforcement System	117	11-Sep-24	03-Feb-25	03-Mar-25	07-May-25	27 6 22		SW2330: SS
		M - Power Distribution System	336	01-Jul-24	20-Feb-25	28-Sep-23	14-May-25	27-Sep-23		DC2502, 50
	SC2470	Equipment Manufacturing & Delivery for Power Distribution System	98	01-Jul-24	30-Jul-24	28-Sep-23	12-Aug-24	27-Sep-23		DS2592: FS
	SC2490 SC2480	SCT Plan Submission & Approval for Power Distribution System Site Installation of Power Distribution System	84 152	31-Jul-24 19-Aug-24	08-Nov-24 20-Feb-25	13-Aug-24 11-Mar-25	21-Nov-24 14-May-25			DS3420: SS SW1920: SS, SW2250: SS
		N - Government Optical Fibre System	382	01-Jul-24	08-Nov-24	03-Aug-23	28-Apr-25	02-Aug-23		5W1920: 55, 5W2250: 55
	SC2560	Equipment Manufacturing & Delivery for Government Optical Fibre System	111	01-Jul-24	30-Jul-24	03-Aug-23	03-Dec-24	02-Aug-23		DS2650: FS 200
	SC2550	Installation Drawing Preparation, Submission & Approval for Government Optical Fibre System	60	02-Jul-24	26-Jul-24	20-Nov-24	20-Nov-24	22-Apr-24		DS6330: SS
	SC2580	SCT Plan Submission & Approval for Government Optical Fibre System	84	31-Jul-24	08-Nov-24	16-Jan-25	28-Apr-25			DS3460: SS
	Operation Fa	•	210	01-Jul-24	28-Sep-24	29-Jun-24	11-Feb-25	01-Aug-23		
	SC2660	FAT of Operation Facilities	78					01-Aug-23	28-Jun-24	EM1560: SS
	SC2650	FAT Plan Submission & Approval for Operation Facilities	81	02-Jul-24	19-Jul-24	29-Nov-24	29-Nov-24	13-Dec-23		DS4600: SS
	SC2670	Equipment Manufacturing & Delivery for Operation Facilities	90	01-Jul-24	28-Sep-24	29-Jun-24	29-Nov-24	28-Jun-24		EM1550: FS
		Actua	aining Work 🔶 Il Work al Activity	♦ Milestone	9					Bage 2 of 12



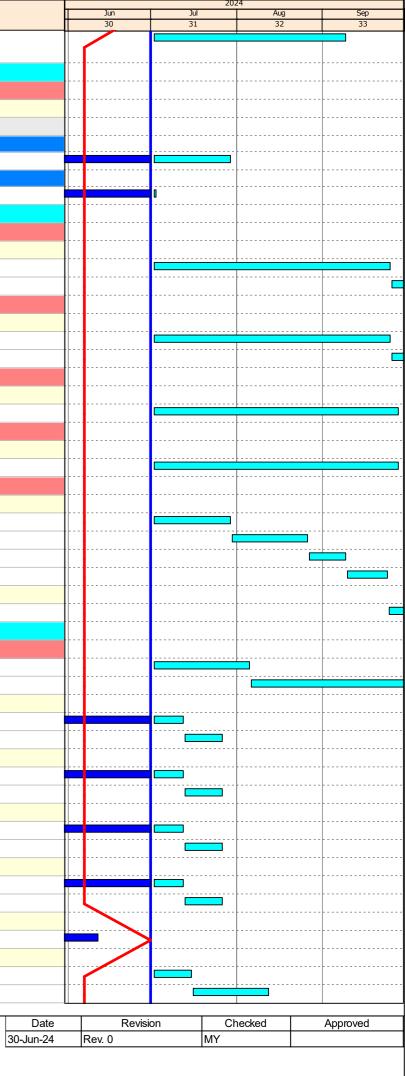
Activi	ity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
	SC2630	Installation Drawing Preparation, Submission & Approval for Operation Facilities	60	02-Jul-24	09-Sep-24	28-Nov-24	11-Feb-25			DS6250: SS
	Design & Sub	missions	304	02-Jul-24	29-Jul-24	02-Nov-24	25-Jun-25	29-Aug-23		
	FSP Submiss	sions (42 Working Days after Commencement of FSP)	304	02-Jul-24	29-Jul-24	02-Nov-24	25-Jun-25	29-Aug-23		
	FSP Batch 1	Submission	304	02-Jul-24	29-Jul-24	02-Nov-24	25-Jun-25	29-Aug-23		
	Central Sys	stem	304	02-Jul-24	29-Jul-24	02-Nov-24	25-Jun-25	29-Aug-23		
	Traffic Plan	Review & Combine	140	02-Jul-24	29-Jul-24	02-Nov-24	29-Nov-24	28-Dec-23		
		Traffic Plan Review & Combine Workshop	140	02-Jul-24	29-Jul-24	02-Nov-24	29-Nov-24	28-Dec-23		DS1830: FS 22
		Risk Assessment Plan	30	02-Jul-24	02-Jul-24	25-Jun-25	25-Jun-25	29-Aug-23		
		Approval on IT Security Risk Assessment Plan	30	02-Jul-24	02-Jul-24	25-Jun-25	25-Jun-25	29-Aug-23		DS7430: FS
		rdination & Integration with Other Parties	96	02-Jul-24	24-Oct-24	01-Jun-26	24-Oct-26			
		oordination with CKR (KTE)	90	02-Jul-24	17-0ct-24	09-Jul-26	24-Oct-26			
		acing Management Plan (DIMP)	90	02-Jul-24	17-Oct-24	09-Jul-26	24-Oct-26			
		Prepare & Submit DIMP with CKR (KTE)	73	02-Jul-24	25-Sep-24	09-Jul-26	03-Oct-26			DS6600: FS 96
	DS6620	Comment on DIMP with CKR (KTE)	17	26-Sep-24	17-Oct-24	05-Oct-26	24-Oct-26			DS6610: FS
		oordination with CKR (BEM)	90	02-Jul-24	17-Oct-24	09-Jul-26	24-Oct-26			
		acing Management Plan (DIMP)	90	02-Jul-24	17-Oct-24	09-Jul-26	24-Oct-26			
	DS6690	Prepare & Submit DIMP with CKR (BEM)	73	02-Jul-24	25-Sep-24	09-Jul-26	03-Oct-26			DS6600: FS 96
	DS6700	Comment on DIMP with CKR (BEM)	17	26-Sep-24	17-Oct-24	05-Oct-26	24-Oct-26			DS6690: FS
		oordination with TKO-LTT (Civil)	76	02-Jul-24	28-Sep-24	04-Jul-26	02-Oct-26			
		acing Management Plan (DIMP)	76	02-Jul-24	28-Sep-24	04-Jul-26	02-Oct-26			
		Prepare & Submit DIMP with TKO-LTT (Civil)	76	02-Jul-24	28-Sep-24	04-Jul-26	02-Oct-26			DS6760: FS 96
		oordination with TKO-LTT (TCSS)	76	02-Jul-24	28-Sep-24	08-Jul-26	06-Oct-26			
		acing Management Plan (DIMP)	76	02-Jul-24	28-Sep-24	08-Jul-26	06-0ct-26			DC(040, FC 100
		Prepare & Submit DIMP with TKO-LTT (TCSS)	76	02-Jul-24	28-Sep-24	08-Jul-26	06-Oct-26			DS6840: FS 108
		oordination with T2 Interfacing Management Plan (PIMP)	96 72	02-Jul-24	24-Oct-24	01-Jun-26	22-Sep-26			
			72 24	02-Jul-24	24-Sep-24	01-Jun-26	25-Aug-26			DS2690, EC 211
	DS6890	Prepare & Submit PIMP with T2		02-Jul-24	29-Jul-24	01-Jun-26	29-Jun-26			DS2680: FS 211
	DS6900 DS6910	Comment on PIMP with T2	24	30-Jul-24	26-Aug-24	30-Jun-26	28-Jul-26			DS6890: FS
	DS6910 DS6920	Resubmit PIMP with T2	12 12	27-Aug-24	09-Sep-24 24-Sep-24	29-Jul-26	11-Aug-26 25-Aug-26			DS6900: FS DS6910: FS
		Approval of PIMP with T2 acing Management Plan (DIMP)	24	10-Sep-24 25-Sep-24	24-Sep-24 24-Oct-24	12-Aug-26 26-Aug-26	23-Aug-26 22-Sep-26			D30910: FS
		Prepare & Submit DIMP with T2	24	25-Sep-24	24-0ct-24 24-0ct-24	26-Aug-26	22-Sep-20 22-Sep-26			DS6920: FS
		stallation Method Statement Submissions	262	02-Jul-24	04-Oct-24	05-Aug-24	22-Sep-20 20-Nov-26	10-Aug-23		030920.13
		rawing Submission	259	02-Jul-24	04-Oct-24	06-Aug-24	20-Nov-20	08-Sep-23		
	DS2695	Prepare & Submit Schedule of Installation Drawing	30	02-Jul-24	05-Aug-24	17-Aug-26	19-Sep-26	00 Sep 25		DS1050: FS 103
	DS2705	Approval of Schedule of Installation Drawing	50	02-5ul-24 06-Aug-24	03-Aug-24 04-Oct-24	21-Sep-26	20-Nov-26			DS2695: FS
	Traffic Cont		199	02-Jul-24	26-Jul-24	06-Aug-24	30-Aug-24	04-May-24		
Г	DS8240	Resubmit Installation Drawing for Traffic Control Devices	12	02-Jul-24	12-Jul-24	06-Aug-24	16-Aug-24	04-May-24		DS5920: FS
	DS8250	Approval of Installation Drawing for Traffic Control Devices	12	13-Jul-24	26-Jul-24	17-Aug-24	30-Aug-24			DS8240: FS, SC1150: FF
	Communica		14	02-Jul-24	26-Jul-24	10-Sep-24	07-Oct-24	17-May-24		
Γ	DS5950	Resubmit Installation Drawing for Communication System	12	02-Jul-24	12-Jul-24	10-Sep-24	21-Sep-24	17-May-24		DS5940: FS
	DS5960	Approval of Installation Drawing for Communication System	12	13-Jul-24	26-Jul-24	23-Sep-24	07-Oct-24	- /		DS5950: FS, SC1280: FF
	CCTV Syste		132	02-Jul-24	26-Jul-24	27-Oct-26	20-Nov-26	13-Dec-23		-,
Γ	DS8020	Resubmit Installation Drawing for CCTV System	26	02-Jul-24	12-Jul-24	27-Oct-26	06-Nov-26	13-Dec-23		DS8010: FS
	DS8030	Approval of Installation Drawing for CCTV System	12	13-Jul-24	26-Jul-24	07-Nov-26	20-Nov-26			DS8020: FS, SC1410: FF
	PABX Syste		201	02-Jul-24	26-Jul-24	11-Sep-24	08-Oct-24	08-Sep-23		
Γ	DS6030	Resubmit Installation Drawing for PABX System	12	02-Jul-24	12-Jul-24	11-Sep-24	23-Sep-24	08-Sep-23		DS6020: FS
	DS6040	Approval of Installation Drawing for PABX System	12	13-Jul-24	26-Jul-24	24-Sep-24	08-Oct-24			DS6030: FS, SC1560: FF
	ET System	· · · · · · · · · · · · · · · · · · ·	12					11-May-24	11-Jun-24	
Γ	DS6080	Approval of Installation Drawing for ET System	12					11-May-24	11-Jun-24	DS6070: FS, SC1690: FF
	Radio Syste		60	02-Jul-24	09-Sep-24	12-Aug-24	23-0ct-24			
Γ	DS6130	Prepare & Submit Installation Drawing for Radio System	12	02-Jul-24	15-Jul-24	12-Aug-24	24-Aug-24			DS2154: FS
	DS6140	Comment on Installation Drawing for Radio System	24	16-Jul-24	12-Aug-24	26-Aug-24				DS6130: FS
	and the second se	Rem	aining Work 🔶	Milestone	<u>_</u>					]



Remaining Work 

 Milestone
 Actual Work

Actual Work
Critical Activity

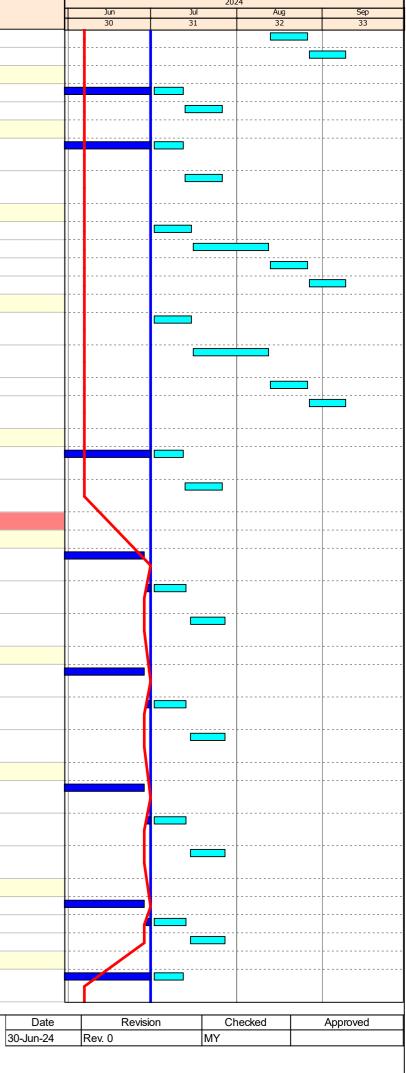


	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
DS6150	Resubmit Installation Drawing for Radio System	12	13-Aug-24	26-Aug-24	24-Sep-24	08-Oct-24			DS6140: FS
DS6160	Approval of Installation Drawing for Radio System	12	27-Aug-24	09-Sep-24	09-Oct-24	23-Oct-24			DS6150: FS, SC1930: FF
Detection S	ystem	46	02-Jul-24	26-Jul-24	27-Oct-26	20-Nov-26	09-Dec-23		
DS8280	Resubmit Installation Drawing for Detection System	24	02-Jul-24	12-Jul-24	27-Oct-26	06-Nov-26	09-Dec-23		DS6200: FS
DS8290	Approval of Installation Drawing for Detection System	12	13-Jul-24	26-Jul-24	07-Nov-26	20-Nov-26			DS8280: FS, SC2060: FF
Manual Fall	back Control System	45	02-Jul-24	26-Jul-24	02-Jan-25	27-Jan-25	04-May-24		
DS8300	Resubmit Installation Drawing for Manual Fallback Control System	12	02-Jul-24	12-Jul-24	02-Jan-25	13-Jan-25	04-May-24		DS6240: FS
DS8310	Approval of Installation Drawing for Manual Fallback Control System	12	13-Jul-24	26-Jul-24	14-Jan-25	27-Jan-25			DS8300: FS, SC2190: FF
<b>Operation F</b>	acility	60	02-Jul-24	09-Sep-24	28-Nov-24	11-Feb-25			
DS6250	Prepare & Submit Installation Drawing for Operation Facility	12	02-Jul-24	15-Jul-24	28-Nov-24	11-Dec-24			DS2532: FS
DS6260	Comment on Installation Drawing for Operation Facility	24	16-Jul-24	12-Aug-24	12-Dec-24	10-Jan-25			DS6250: FS
DS6270	Resubmit Installation Drawing for Operation Facility	12	13-Aug-24	26-Aug-24	11-Jan-25	24-Jan-25			DS6260: FS
DS6280	Approval of Installation Drawing for Operation Facility	12	27-Aug-24	09-Sep-24	25-Jan-25	11-Feb-25			DS6270: FS, SC2630: FF
Speed Enfo	rcement System	60	02-Jul-24	09-Sep-24	17-Dec-24	01-Mar-25			
DS6290	Prepare & Submit Installation Drawing for Speed Enforcement System	12	02-Jul-24	15-Jul-24	17-Dec-24	31-Dec-24			DS2472: FS
DS6300	Comment on Installation Drawing for Speed Enforcement System	24	16-Jul-24	12-Aug-24	02-Jan-25	01-Feb-25			DS6290: FS
DS6310	Resubmit Installation Drawing for Speed Enforcement System	12	13-Aug-24	26-Aug-24	03-Feb-25	15-Feb-25			DS6300: FS
DS6320	Approval of Installation Drawing for Speed Enforcement System	12	27-Aug-24	09-Sep-24	17-Feb-25	01-Mar-25			DS6310: FS, SC2340: FF
Governmen	t Optical Fibre System	14	02-Jul-24	26-Jul-24	26-0ct-24	20-Nov-24	17-May-24		
DS6350	Resubmit Installation Drawing for Government Optical Fibre System	12	02-Jul-24	12-Jul-24	26-Oct-24	06-Nov-24	17-May-24		DS6340: FS
					07.01	20 No. 24			DS6350: FS, SC2550: FF
DS6360	Approval of Installation Drawing for Government Optical Fibre System	12	13-Jul-24	26-Jul-24	07-Nov-24	20-Nov-24			50000010,002000.11
		12 234	13-Jul-24 02-Jul-24	26-Jul-24 29-Jul-24	07-Nov-24 05-Aug-24	20-1NOV-24 01-Mar-25	10-Aug-23		555550.113, 5625550.11
	System Aethod Statement Submission						10-Aug-23 29-May-24		555550.113, 5625550.11
Installation N	System Aethod Statement Submission	234	02-Jul-24	29-Jul-24	05-Aug-24	01-Mar-25		28-Jun-24	DS2780: FS
nstallation M Traffic Cont	System Acthod Statement Submission Comment on Installation Method Statement for Installation of TCSS	234 24	02-Jul-24	29-Jul-24	05-Aug-24	01-Mar-25	29-May-24	28-Jun-24	
Installation M Traffic Cont DS2790	System         Method Statement Submission         trol Devices         Comment on Installation Method Statement for Installation of TCSS         Field Equipment         Resubmit Installation Method Statement for Installation of TCSS	234 24 24	02-Jul-24 02-Jul-24	29-Jul-24 27-Jul-24	05-Aug-24 05-Aug-24	01-Mar-25 30-Aug-24	29-May-24 29-May-24	28-Jun-24	DS2780: FS
nstallation N Traffic Conf DS2790 DS2800 DS2810	System         Method Statement Submission         trol Devices         Comment on Installation Method Statement for Installation of TCSS         Field Equipment         Resubmit Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS	234 24 24 12	02-Jul-24 02-Jul-24 02-Jul-24	29-Jul-24 27-Jul-24 13-Jul-24	05-Aug-24 05-Aug-24 05-Aug-24	01-Mar-25 30-Aug-24 16-Aug-24	29-May-24 29-May-24	28-Jun-24	DS2780: FS DS2790: FS
Installation M Traffic Conf DS2790 DS2800 DS2810 CCTV Came	System         Method Statement Submission         Interview of Statement Submission         Interview of Devices         Comment on Installation Method Statement for Installation of TCSS         Field Equipment         Resubmit Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment	234 24 24 12 12	02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24	29-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24	05-Aug-24 05-Aug-24 05-Aug-24 17-Aug-24	01-Mar-25 30-Aug-24 16-Aug-24 30-Aug-24	29-May-24 29-May-24 29-Jun-24	28-Jun-24	DS2780: FS DS2790: FS DS2800: FS
<b>Installation N</b> Traffic Conf DS2790 DS2800 DS2810	System         Method Statement Submission         trol Devices         Comment on Installation Method Statement for Installation of TCSS         Field Equipment         Resubmit Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         Comment on Installation Method Statement for CCTV Camera & VD         Comment on Installation Method Statement for CCTV Camera & VD	234 24 24 12 12 24	02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24	29-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24	05-Aug-24 05-Aug-24 05-Aug-24 17-Aug-24	01-Mar-25 30-Aug-24 16-Aug-24 30-Aug-24	29-May-24 29-May-24 29-Jun-24 29-May-24		DS2780: FS DS2790: FS DS2800: FS
Installation N Traffic Cont DS2790 DS2800 DS2810 CCTV Came DS6420	System         Method Statement Submission         Introd Devices         Comment on Installation Method Statement for Installation of TCSS         Field Equipment         Resubmit Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         Comment on Installation Method Statement for CCTV Camera & VD         Camera         Resubmit Installation Method Statement for CCTV Camera & VD         Resubmit Installation Method Statement for CCTV Camera & VD	234 24 24 12 12 12 24 24	02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24 02-Jul-24	29-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24	05-Aug-24 05-Aug-24 05-Aug-24 17-Aug-24 09-Aug-24	01-Mar-25 30-Aug-24 16-Aug-24 30-Aug-24 04-Sep-24	29-May-24 29-May-24 29-Jun-24 29-May-24 29-May-24		DS2780: FS DS2790: FS DS2800: FS DS6410: FS
Installation M Traffic Cont DS2790 DS2800 DS2810 CCTV Came DS6420 DS6430 DS6440	System         Method Statement Submission         trol Devices         Comment on Installation Method Statement for Installation of TCSS         Field Equipment         Resubmit Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         Comment on Installation Method Statement for CCTV Camera & VD         Camera         Resubmit Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera	234 24 24 12 12 24 24 24 24 12	02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24 02-Jul-24	29-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24	05-Aug-24 05-Aug-24 05-Aug-24 17-Aug-24 09-Aug-24	01-Mar-25 30-Aug-24 16-Aug-24 30-Aug-24 04-Sep-24 21-Aug-24	29-May-24 29-May-24 29-Jun-24 29-May-24 29-May-24		DS2780: FS DS2790: FS DS2800: FS DS6410: FS DS6420: FS
Installation M Traffic Cont DS2790 DS2800 DS2810 CCTV Came DS6420 DS6430 DS6440	System         Wethod Statement Submission         trol Devices         Comment on Installation Method Statement for Installation of TCSS         Field Equipment         Resubmit Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         Comment on Installation Method Statement for CCTV Camera & VD         Camera         Resubmit Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera	234 24 24 12 12 24 24 24 12 12	02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24	29-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24	05-Aug-24 05-Aug-24 05-Aug-24 17-Aug-24 09-Aug-24 09-Aug-24 22-Aug-24	01-Mar-25 30-Aug-24 16-Aug-24 30-Aug-24 04-Sep-24 21-Aug-24 04-Sep-24	29-May-24 29-May-24 29-Jun-24 29-May-24 29-May-24 29-Jun-24	28-Jun-24	DS2780: FS DS2790: FS DS2800: FS DS6410: FS DS6420: FS
Installation N Traffic Cont DS2790 DS2800 DS2810 CCTV Cam DS6420 DS6430 DS6440 PABX, ET &	System         Method Statement Submission         Introd Devices         Comment on Installation Method Statement for Installation of TCSS         Field Equipment         Resubmit Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for CCTV Camera & VD         Camera         Resubmit Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera         PA Systems         Comment on Installation Method Statement for PABX, ET & PA	234 24 24 12 12 12 24 24 12 12 12 24	02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24	29-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24	05-Aug-24 05-Aug-24 05-Aug-24 17-Aug-24 09-Aug-24 09-Aug-24 22-Aug-24	01-Mar-25 30-Aug-24 16-Aug-24 30-Aug-24 04-Sep-24 21-Aug-24 04-Sep-24	29-May-24 29-May-24 29-Jun-24 29-May-24 29-May-24 29-Jun-24	28-Jun-24	DS2780: FS DS2790: FS DS2800: FS DS6410: FS DS6420: FS DS6430: FS
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Installation N           Traffic Cont           DS2790           DS2800           DS2810           CCTV Came           DS6420           DS6430           DS6440           PABX, ET &           DS6460           DS6480           Radio Syste           DS6500	System         Method Statement Submission         trol Devices         Comment on Installation Method Statement for Installation of TCSS         Field Equipment         Resubmit Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         era & VD Camera         Comment on Installation Method Statement for CCTV Camera & VD         Camera         Resubmit Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera         Resubmit Installation Method Statement for CCTV Camera & VD         Camera         PA Systems         Comment on Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems	234 24 24 12 12 24 24 24 12 12 24 24 24 24 24 12 12 12 12 12 29 24	02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24 02-Jul-24 02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24 15-Jul-24	29-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24	05-Aug-24 05-Aug-24 05-Aug-24 17-Aug-24 09-Aug-24 22-Aug-24 22-Aug-24 27-Aug-24 27-Aug-24 09-Sep-24	01-Mar-25 30-Aug-24 16-Aug-24 30-Aug-24 04-Sep-24 21-Aug-24 04-Sep-24 23-Sep-24 23-Sep-24 23-Sep-24 23-Oct-24	29-May-24 29-Jun-24 29-Jun-24 29-May-24 29-May-24 29-Jun-24 29-May-24 29-Jun-24 29-Jun-24 29-Jun-24	28-Jun-24	DS2780: FS DS2790: FS DS2790: FS DS2800: FS DS6410: FS DS6420: FS DS6420: FS DS6430: FS DS6450: FS DS6450: FS DS6460: FS
Installation N           Traffic Cont           DS2790           DS2800           DS2810           CCTV Cam           DS6420           DS6430           DS6440           PABX, ET &           DS6460           DS6470           DS6480           PABS, ET \$           DS6480           DS64500           DS6500           DS6510	System         Method Statement Submission         trol Devices         Comment on Installation Method Statement for Installation of TCSS         Field Equipment         Resubmit Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         era & VD Camera         Comment on Installation Method Statement for CCTV Camera & VD         Camera         Resubmit Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Comment on Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Comment on Installation Method Statement for PABX, ET & PA         Systems         Comment on Installation Method Statement for Radio System         Resubmit Installation Method Statement for Radio System	234 24 24 12 12 24 24 24 12 12 24 24 24 12 12 12 12 29 24 12	02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24 02-Jul-24 02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24 02-Jul-24 02-Jul-24	29-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24 27-Jul-24 27-Jul-24 27-Jul-24	05-Aug-24 05-Aug-24 05-Aug-24 17-Aug-24 09-Aug-24 09-Aug-24 22-Aug-24 22-Aug-24 27-Aug-24 09-Sep-24 09-Sep-24	01-Mar-25 30-Aug-24 16-Aug-24 30-Aug-24 30-Aug-24 04-Sep-24 21-Aug-24 04-Sep-24 23-Sep-24 23-Sep-24 23-Sep-24 23-Sep-24	29-May-24 29-Jun-24 29-Jun-24 29-May-24 29-May-24 29-Jun-24 29-May-24 29-Jun-24 29-Jun-24	28-Jun-24	DS2780: FS DS2790: FS DS2790: FS DS2800: FS DS6410: FS DS6420: FS DS6420: FS DS6430: FS DS6450: FS DS6460: FS DS6460: FS DS6470: FS
Installation N Traffic Cont DS2790 DS2800 DS2810 CCTV Came DS6420 DS6420 DS6440 PABX, ET & DS6460 DS6460 DS6470 DS6480 Radio Syste DS6500 DS6510 DS6520	System         Method Statement Submission         trol Devices         Comment on Installation Method Statement for Installation of TCSS         Field Equipment         Resubmit Installation Method Statement for Installation of TCSS         Field Equipment         Approval of Installation Method Statement for Installation of TCSS         Field Equipment         era & VD Camera         Comment on Installation Method Statement for CCTV Camera & VD         Camera         Resubmit Installation Method Statement for CCTV Camera & VD         Camera         Approval of Installation Method Statement for CCTV Camera & VD         Camera         Resubmit Installation Method Statement for CCTV Camera & VD         Camera         PA Systems         Comment on Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems         Resubmit Installation Method Statement for PABX, ET & PA         Systems	234 24 24 12 12 24 24 24 12 12 24 24 24 24 24 12 12 12 12 12 29 24	02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24 02-Jul-24 02-Jul-24 02-Jul-24 02-Jul-24 15-Jul-24 15-Jul-24	29-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24 13-Jul-24 27-Jul-24 27-Jul-24	05-Aug-24 05-Aug-24 05-Aug-24 17-Aug-24 09-Aug-24 22-Aug-24 22-Aug-24 27-Aug-24 27-Aug-24 09-Sep-24	01-Mar-25 30-Aug-24 16-Aug-24 30-Aug-24 04-Sep-24 21-Aug-24 04-Sep-24 23-Sep-24 23-Sep-24 23-Sep-24 23-Oct-24	29-May-24 29-Jun-24 29-Jun-24 29-May-24 29-May-24 29-Jun-24 29-May-24 29-Jun-24 29-Jun-24 29-Jun-24	28-Jun-24	DS2780: FS DS2790: FS DS2790: FS DS2800: FS DS6410: FS DS6420: FS DS6420: FS DS6430: FS DS6450: FS DS6450: FS DS6460: FS DS6460: FS



ng Actual Work

Critical Activity



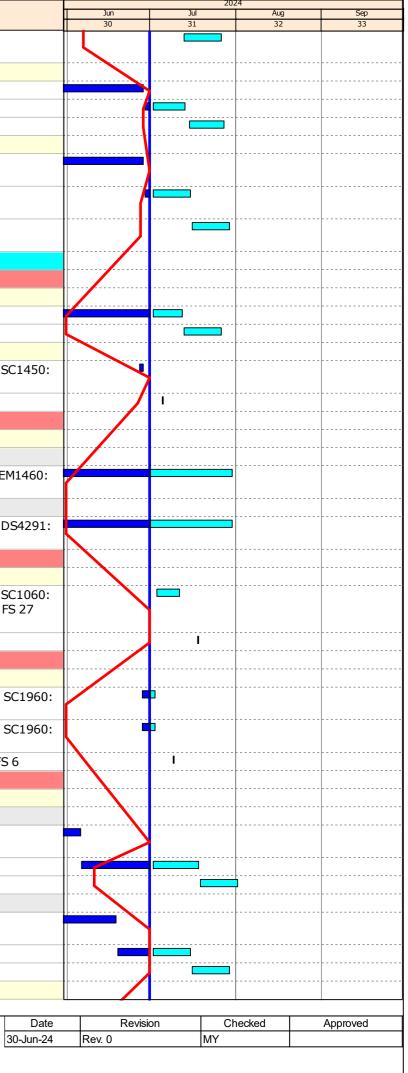
Act	tivity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
	DS6560	Approval of Installation Method Statement for Power Distribution System	12	13-Jul-24	26-Jul-24	08-Oct-24	22-Oct-24			DS6550: FS
	SEC System		82	02-Jul-24	27-Jul-24	04-Feb-25	01-Mar-25	29-May-24		
	DS7390	Comment on Installation Method Statement for SEC System	24					29-May-24	28-Jun-24	DS7380: FS
	DS7400	Resubmit Installation Method Statement for SEC System	12	02-Jul-24	13-Jul-24	04-Feb-25	15-Feb-25	29-Jun-24		DS7390: FS
	DS7410	Approval of Installation Method Statement for SEC System	12	15-Jul-24	27-Jul-24	17-Feb-25	01-Mar-25			DS7400: FS
	Detection S	ystem	24	02-Jul-24	29-Jul-24	08-Aug-24	04-Sep-24	29-May-24		
	DS7480	Comment on Installation Method Statement for Detection System	24					29-May-24	28-Jun-24	DS7470: FS
	DS7490	Resubmit Installation Method Statement for Detection System	12	02-Jul-24	15-Jul-24	08-Aug-24	21-Aug-24	29-Jun-24		DS7480: FS
	DS7500	Approval of Installation Method Statement for Detection System	12	16-Jul-24	29-Jul-24	22-Aug-24	04-Sep-24			DS7490: FS
		nissions, Equipment Procurement & Manufacturing	232	01-Jul-24	09-Oct-24	14-Jul-24	20-Nov-26	10-Oct-23		
	CCTV Syster	_	27	02-Jul-24	26-Jul-24	04-Sep-24	20-Nov-26	23-May-24		
	FAT Plan Su		26	02-Jul-24	26-Jul-24	27-Oct-26	20-Nov-26	23-May-24		
	DS8340	Resubmission of FAT Plan for CCTV System	12	02-Jul-24	12-Jul-24	27-Oct-26	06-Nov-26	23-May-24		DS8150: FS
	DS8350	Approval of FAT Plan for CCTV System	12	13-Jul-24	26-Jul-24	07-Nov-26	20-Nov-26			DS8340: FS, SC1430: FF
		FAT & Manufacturing	20	05-Jul-24	05-Jul-24	04-Sep-24	04-Sep-24	27-Jun-24		
	EM1480	FAT of CCTV System	2					27-Jun-24	28-Jun-24	SC1440: FF, EM1050: FS, SC145 FS, DS8350: FS
		Submit CCTV System FAT Test Report	1	05-Jul-24	05-Jul-24	04-Sep-24	04-Sep-24			EM1480: FS 6
	Traffic Contro	_	117	01-Jul-24	30-Jul-24	01-Aug-24	30-Aug-24	10-0ct-23		
		FAT & Manufacturing	117	01-Jul-24	30-Jul-24	01-Aug-24	30-Aug-24	10-Oct-23		
	PVMS		85	01-Jul-24	30-Jul-24	01-Aug-24	30-Aug-24	10-Oct-23		
		Post-FAT Manufacturing & Delivery of Traffic Control Devices (PVMS)	85	01-Jul-24	30-Jul-24	01-Aug-24	30-Aug-24	10-Oct-23		DS4290: FF, SC1190: FF, EM146 FS
	LED Signag		85	01-Jul-24	30-Jul-24	01-Aug-24	30-Aug-24	12-Mar-24		
		Post-FAT Manufacturing & Delivery of Traffic Control Devices (LED Signage)	85	01-Jul-24	30-Jul-24	01-Aug-24	30-Aug-24	12-Mar-24		EM1461: FS, SC1190: FF, DS429 FS, DS8160: FS
	Central Syste		14	03-Jul-24	18-Jul-24	22-Sep-24	22-Oct-24			
	· · ·	FAT & Manufacturing	14	03-Jul-24	18-Jul-24	22-Sep-24	22-Oct-24			
	EM1580	FAT of Central System	9	03-Jul-24	11-Jul-24	22-Sep-24	30-Sep-24			SC1050: FF, EM1150: FS, SC106 FF, DS8130: FS, DS8230: FS 27
	DS4340	Submit Central System FAT Test Report	1	18-Jul-24	18-Jul-24	22-0ct-24	22-0ct-24			EM1580: FS 6
	Radio System	· ·	7	01-Jul-24	09-Jul-24	15-0ct-24	23-0ct-24	28-Jun-24		
	Equipment F	FAT & Manufacturing	7	01-Jul-24	09-Jul-24	15-0ct-24	23-0ct-24	28-Jun-24		
	EM1520	FAT of Radio Distribution Network	5	01-Jul-24	02-Jul-24	15-Oct-24	16-0ct-24	28-Jun-24		EM1090: FS, SC1970: FS, SC196 FF, DS8210: FS
	EM1610	FAT of Radio O&M (Mobile & Portable)	5	01-Jul-24	02-Jul-24	15-Oct-24	16-Oct-24	28-Jun-24		EM1090: FS, SC1970: FS, SC196 FF, DS8210: FS
	DS4390	Submit Radio System FAT Test Report	1	09-Jul-24	09-Jul-24	23-0ct-24	23-0ct-24			EM1610: FS 6, EM1520: FS 6
	Detection Sy	stem	41	02-Jul-24	10-Aug-24	26-Jul-24	18-Jan-25	11-May-24		
	FAT Plan Su		33	02-Jul-24	01-Aug-24	26-Jul-24	09-Jan-25	11-May-24		
	VD & HMD		33	02-Jul-24	01-Aug-24	26-Jul-24	26-Aug-24	11-May-24		
	DS4460	Comment on FAT Plan/ Workshops (System Briefing & Comment Discussion)	24					11-May-24	05-Jun-24	
	DS4470	Resubmission of FAT Plan for Detection System	12	02-Jul-24	18-Jul-24	26-Jul-24	12-Aug-24	06-Jun-24		DS4460: FS
	DS4480	Approval of FAT Plan for Detection System	12	19-Jul-24	01-Aug-24	13-Aug-24	26-Aug-24			DS4470: FS, SC2080: FF
	OHVD		30	02-Jul-24	29-Jul-24	11-Dec-24	09-Jan-25	25-May-24		
	DS8430	Comment on FAT Plan/ Workshops (System Briefing & Comment Discussion)	24					25-May-24	18-Jun-24	DS8420: FS
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	DS8440	Resubmission of FAT Plan for Detection System	12	02-Jul-24	15-Jul-24	11-Dec-24	24-Dec-24	19-Jun-24		DS8430: FS
	DS8450	Approval of FAT Plan for Detection System	12	16-Jul-24	29-Jul-24	26-Dec-24	09-Jan-25	19-Jun-24		DS8430: FS DS8440: FS, SC2080: FF
	DS8450	•						19-Jun-24		
	DS8450	Approval of FAT Plan for Detection System FAT & Manufacturing	12	16-Jul-24	29-Jul-24 10-Aug-24	26-Dec-24	09-Jan-25	19-Jun-24		



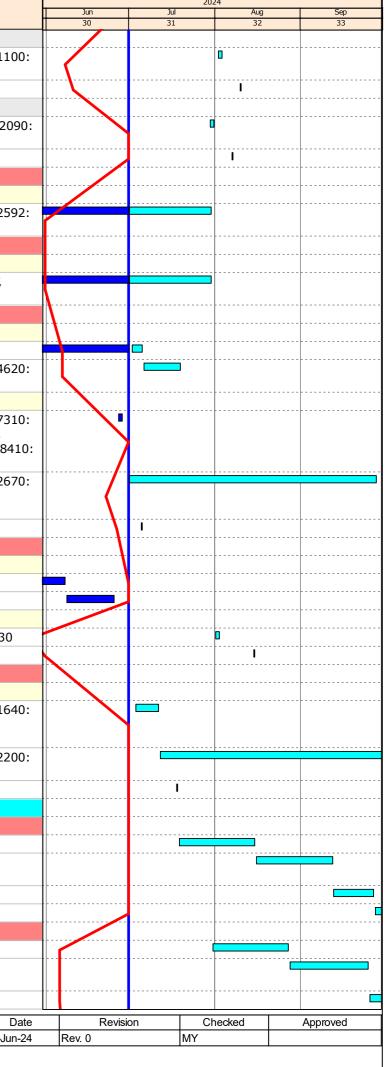
Milestone

Critical Activity

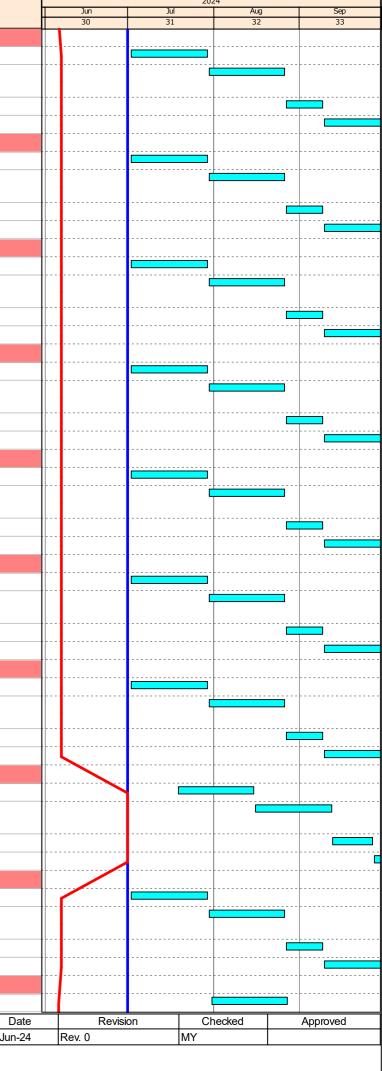
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Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
VD & HMD		8	02-Aug-24	10-Aug-24	27-Aug-24	04-Sep-24			
EM1530	FAT of Detection System - VD & HMD	2	02-Aug-24	03-Aug-24	27-Aug-24	28-Aug-24			DS4480: FS, SC2090: FF, EM110 FS, SC2100: FS
DS4490	Submit Detection System FAT Test Report	1	10-Aug-24	10-Aug-24	04-Sep-24	04-Sep-24			EM1530: FS 6
OHVD		8	30-Jul-24	07-Aug-24	10-Jan-25	18-Jan-25			
EM1670	FAT of Detection System - OHVD	2	30-Jul-24	31-Jul-24	10-Jan-25	11-Jan-25			EM1660: FS, DS8450: FS, SC209 SS, SC2100: FS
DS8460	Submit Detection System FAT Test Report	1	07-Aug-24	07-Aug-24	18-Jan-25	18-Jan-25			EM1670: FS 6
Power Distrik	bution System	89	01-Jul-24	30-Jul-24	14-Jul-24	12-Aug-24	01-Dec-23		
Equipment N	Anufacturing	89	01-Jul-24	30-Jul-24	14-Jul-24	12-Aug-24	01-Dec-23		
EM1620	Manufacturing & Delivery of Power Distribution System Equipment	89	01-Jul-24	30-Jul-24	14-Jul-24	12-Aug-24	01-Dec-23		SC2470: FF, DS7650: FS, DS259 FS
<b></b>	Optical Fibre System	105	01-Jul-24	30-Jul-24	04-Nov-24	03-Dec-24	01-Dec-23		
	Anufacturing	105	01-Jul-24	30-Jul-24	04-Nov-24	03-Dec-24	01-Dec-23		
	Manufacturing & Delivery of Government Optical Fibre System Equipment	105	01-Jul-24	30-Jul-24	04-Nov-24	03-Dec-24	01-Dec-23		DS2650: FS 200, SC2560: FF, DS7660: FS
Operation Fa	-	76	01-Jul-24	28-Sep-24	01-Sep-24	29-Nov-24	23-May-24		
FAT Plan Sul		50	02-Jul-24	19-Jul-24	12-Nov-24	29-Nov-24	23-May-24		
DS8400	Resubmission of FAT Plan for Operation Facility	12	02-Jul-24	05-Jul-24	12-Nov-24	15-Nov-24	23-May-24		DS8390: FS
DS8410	Approval of FAT Plan for Operation Facility	12	06-Jul-24	19-Jul-24	16-Nov-24	29-Nov-24			DS8400: FS, SC2650: FF, DS462 FS
	AT & Manufacturing	76	01-Jul-24	28-Sep-24	01-Sep-24	29-Nov-24	27-Jun-24		
EM1550	FAT of Operation Facilities	2					27-Jun-24	28-Jun-24	DS4630: FS, SC2660: FF, DS731 FS, EM1560: FS, DS7550: FS, DS7670: FS, DS8410: FS, DS841 FF
EM1120	Post-FAT Manufacturing & Delivery of Operation Facilities	90	01-Jul-24	28-Sep-24	01-Sep-24	29-Nov-24			EM1550: FS, DS4640: FF, SC267 FF, DS2530: FS, DS2532: FS
DS4640	Submit Operation Facilities FAT Test Report	1	05-Jul-24	05-Jul-24	29-Nov-24	29-Nov-24			EM1550: FS 6, DS7550: FS
Speed Enforce	ement System	41	01-Aug-24	15-Aug-24	06-Nov-26	20-Nov-26	29-May-24		
FAT Plan Sul	bmission	15					29-May-24	25-Jun-24	
DS8360	Resubmission of SES Bench Test Plan	12					29-May-24	07-Jun-24	DS4720: FS
DS8370	Approval of SES Bench Test Plan	12					08-Jun-24	25-Jun-24	DS8360: FS
	AT & Manufacturing	13	01-Aug-24	15-Aug-24	06-Nov-26	20-Nov-26			
	SEC System Bench Test	2	01-Aug-24	02-Aug-24	06-Nov-26	07-Nov-26			EM1570: FS 60, DS8370: FS 30
	Submit SEC System Bech Test Report	1		15-Aug-24	20-Nov-26	20-Nov-26			EM1600: FS 12
	ack Control System	83	03-Jul-24	09-Oct-24	22-Sep-24	27-Jan-25			
	AT & Manufacturing	83	03-Jul-24	09-Oct-24	22-Sep-24	27-Jan-25			
EM1540	FAT of Manual Fallback Control System	9	03-Jul-24	11-Jul-24	22-Sep-24	30-Sep-24			DS4780: FS, SC2220: FF, EM164 FS, DS7690: FS, EM1580: SS
EM1110	Post-FAT Configuration of Manual Fallback Control System	90	12-Jul-24	09-Oct-24	30-Oct-24	27-Jan-25			EM1540: FS, DS4790: FF, SC220 FF
DS4790	Submit Manual Fallback Control System FAT Test Report	1	18-Jul-24	18-Jul-24	07-Oct-24	07-Oct-24			EM1540: FS 6
SCT Plan Sub		99	02-Jul-24	28-Oct-24	13-Aug-24	31-Mar-25			
Central Syste	T. Contract of the second s	84	19-Jul-24	28-Oct-24	02-Dec-24	14-Mar-25			
DS2940	Submission of Central System SCT Plan	24	19-Jul-24	15-Aug-24	02-Dec-24	30-Dec-24			DS4340: FS
DS2950	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	16-Aug-24	12-Sep-24	31-Dec-24	28-Jan-25			DS2940: FS
DS2960	Resubmission of SCT Plan for Central System	12	13-Sep-24	27-Sep-24	01-Feb-25	14-Feb-25			DS2950: FS
DS2970	Approval of SCT Plan for Central System	24	28-Sep-24	28-Oct-24	15-Feb-25	14-Mar-25			DS2960: FS, SC1070: FF
Traffic Contro		60	31-Jul-24	10-Oct-24	12-Nov-24	22-Jan-25			
DS2980	Submission of Traffic Control Devices SCT Plan	24	31-Jul-24	27-Aug-24	12-Nov-24	09-Dec-24			EM1030: FS, EM1650: FS
DS2990	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	28-Aug-24	25-Sep-24	10-Dec-24	08-Jan-25			DS2980: FS
DS3000	Resubmission of SCT Plan for Traffic Control Devices	12	26-Sep-24	10-Oct-24	09-Jan-25	22-Jan-25			DS2990: FS
	Actua	aining Work 🔶 al Work al Activity	♦ Milestone	•					D 30-Jun Page 6 of 12



Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
Communica	tion System	84	02-Jul-24	09-Oct-24	24-0ct-24	14-Mar-25			1
DS3020	Submission of Communication System SCT Plan	24	02-Jul-24	29-Jul-24	24-0ct-24	20-Nov-24			EM1040: FS
DS3030	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	30-Jul-24	26-Aug-24	31-Dec-24	28-Jan-25			DS3020: FS
DS3040	Resubmission of SCT Plan for Communication System	12	27-Aug-24	09-Sep-24	01-Feb-25	14-Feb-25			DS3030: FS
DS3050	Approval of SCT Plan for Communication System	24	10-Sep-24	09-Oct-24	15-Feb-25	14-Mar-25			DS3040: FS, SC1340: FF
CCTV Syste	m	84	02-Jul-24	09-Oct-24	15-Oct-24	03-Feb-25			
DS3060	Submission of CCTV System SCT Plan	24	02-Jul-24	29-Jul-24	15-0ct-24	11-Nov-24			EM1050: FS
DS3070	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	30-Jul-24	26-Aug-24	20-Nov-24	17-Dec-24			DS3060: FS
DS3080	Resubmission of SCT Plan for CCTV System	12	27-Aug-24	09-Sep-24	18-Dec-24	02-Jan-25			DS3070: FS
DS3090	Approval of SCT Plan for CCTV System	24	10-Sep-24	09-Oct-24	03-Jan-25	03-Feb-25			DS3080: FS, SC1460: FF
PABX System		84	02-Jul-24	09-Oct-24	06-Nov-24	31-Mar-25			
DS3100	Submission of PABX System SCT Plan	24	02-Jul-24	29-Jul-24	06-Nov-24	03-Dec-24			EM1060: FS
DS3110	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	30-Jul-24	26-Aug-24	17-Jan-25	17-Feb-25			DS3100: FS
DS3120	Resubmission of SCT Plan for PABX System	12	27-Aug-24	09-Sep-24	18-Feb-25	03-Mar-25			DS3110: FS
DS3130	Approval of SCT Plan for PABX System	24	10-Sep-24	09-Oct-24	04-Mar-25	31-Mar-25			DS3120: FS, SC1600: FF
ET System	Culturations of FT Curtains CCT Plan	84	02-Jul-24	09-Oct-24	08-Oct-24	03-Feb-25			EM1070, EC
DS3140	Submission of ET System SCT Plan	24	02-Jul-24	29-Jul-24	08-Oct-24	05-Nov-24			EM1070: FS
DS3150	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	30-Jul-24	26-Aug-24	20-Nov-24	17-Dec-24			DS3140: FS
DS3160	Resubmission of SCT Plan for ET System	12	27-Aug-24	09-Sep-24	18-Dec-24	02-Jan-25			DS3150: FS
DS3170	Approval of SCT Plan for ET System	24	10-Sep-24	09-Oct-24	03-Jan-25	03-Feb-25			DS3160: FS, SC1730: FF
PA System	Culturation of DA Customs CCT New	84	02-Jul-24	09-Oct-24	23-0ct-24	03-Mar-25			EM1000, EC
DS3180 DS3190	Submission of PA System SCT Plan	24 24	02-Jul-24	29-Jul-24	23-0ct-24	19-Nov-24 16-Jan-25			EM1080: FS DS3180: FS
	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)		30-Jul-24	26-Aug-24	18-Dec-24				
DS3200	Resubmission of SCT Plan for PA System	12	27-Aug-24	09-Sep-24	17-Jan-25	03-Feb-25			DS3190: FS
DS3210	Approval of SCT Plan for PA System	24	10-Sep-24	09-Oct-24	04-Feb-25	03-Mar-25			DS3200: FS, SC1850: FF
Radio System		84	02-Jul-24	09-Oct-24	14-Sep-24	15-Mar-25			EM1000; CC 20
DS3220 DS3230	Submission of Radio System SCT Plan Comment on SCT Plan/ Workshops (System Briefing & Comment	24 24	02-Jul-24 30-Jul-24	29-Jul-24 26-Aug-24	14-Sep-24 02-Jan-25	15-Oct-24 01-Feb-25			EM1090: SS 30 DS3220: FS
	Discussion)								
DS3240	Resubmission of SCT Plan for Radio System	12	27-Aug-24	09-Sep-24	03-Feb-25	15-Feb-25			DS3230: FS
DS3250 Detection Sy	Approval of SCT Plan for Radio System	24	10-Sep-24	09-Oct-24	17-Feb-25	15-Mar-25			DS3240: FS, SC1980: FF
Detection Sy DS3260	Submission of Detection System SCT Plan	84 24	02-Jul-24 02-Jul-24	09-Oct-24 29-Jul-24	09-Sep-24 09-Sep-24	17-Jan-25 08-Oct-24			EM1100: FS, EM1660: FS
DS3260 DS3270	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	30-Jul-24	29-Jul-24 26-Aug-24	07-Nov-24	04-Dec-24			DS3260: FS
DS3280	Resubmission of SCT Plan for Detection System	12	27-Aug-24	09-Sep-24	05-Dec-24	18-Dec-24			DS3270: FS
DS3290	Approval of SCT Plan for Detection System	24	10-Sep-24	09-Oct-24	19-Dec-24	17-Jan-25			DS3280: FS, SC2110: FF
	pack Control System	84	19-Jul-24	28-Oct-24	08-Oct-24	14-Mar-25			000200110,002110111
DS3300	Submission of Manual Fallback Control System SCT Plan	24	19-Jul-24	15-Aug-24	08-Oct-24	05-Nov-24			DS4790: FS
DS3310	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	16-Aug-24	12-Sep-24	31-Dec-24	28-Jan-25			DS3300: FS
DS3320	Resubmission of SCT Plan for Manual Fallback Control System	12	13-Sep-24	27-Sep-24	01-Feb-25	14-Feb-25			DS3310: FS
DS3330	Approval of SCT Plan for Manual Fallback Control System	24	28-Sep-24	28-Oct-24	15-Feb-25	14-Mar-25			DS3320: FS, SC2250: FF
Speed Enfor	cement System	84	02-Jul-24	09-Oct-24	30-Nov-24	22-Mar-25			
DS3380	Submission of Speed Enforcement System SCT Plan	24	02-Jul-24	29-Jul-24	30-Nov-24	28-Dec-24			EM1130: FS
DS3390	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	30-Jul-24	26-Aug-24	09-Jan-25	08-Feb-25			DS3380: FS
DS3400	Resubmission of SCT Plan for Speed Enforcement System	12	27-Aug-24	09-Sep-24	10-Feb-25	22-Feb-25			DS3390: FS
DS3410	Approval of SCT Plan for Speed Enforcement System	24	10-Sep-24	09-Oct-24	24-Feb-25	22-Mar-25			DS3400: FS, SC2370: FF
	ibution System	60	31-Jul-24	10-Oct-24	13-Aug-24	24-Oct-24			
DS3420	Submission of Power Distribution System SCT Plan	24	31-Jul-24	27-Aug-24	13-Aug-24	09-Sep-24			EM1620: FS, DS2592: FS
		aining Work 🔶 al Work	<ul> <li>Milestone</li> </ul>	9					C 30-Jur
	GTECH Services (Hong Kong) Limited	al Activity							Page 7 of 12

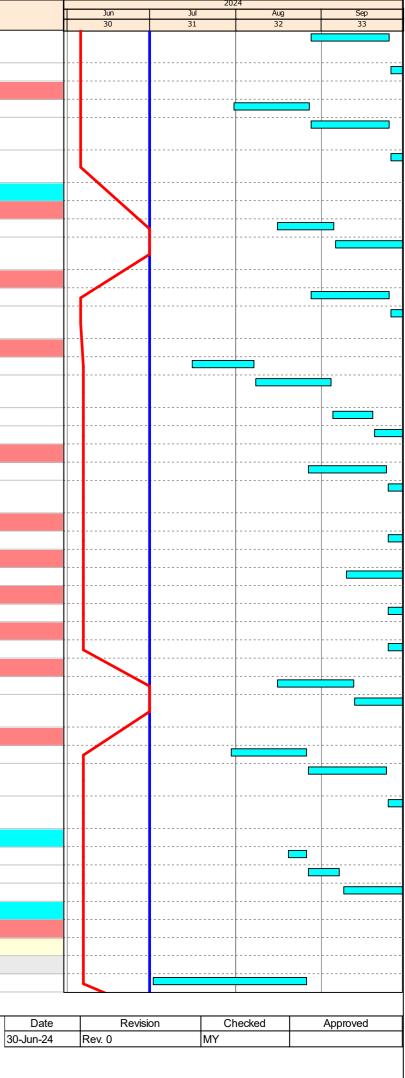


Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
DS3430	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	28-Aug-24	25-Sep-24	10-Sep-24	09-Oct-24			DS3420: FS
DS3440	Resubmission of SCT Plan for Power Distribution System	12	26-Sep-24	10-Oct-24	10-Oct-24	24-0ct-24			DS3430: FS
Governmen	nt Optical Fibre System	60	31-Jul-24	10-Oct-24	16-Jan-25	29-Mar-25			
DS3460	Submission of Government Optical Fibre System SCT Plan	24	31-Jul-24	27-Aug-24	16-Jan-25	15-Feb-25		ĺ	EM1630: FS
DS3470	Comment on SCT Plan/ Workshops (System Briefing & Comment Discussion)	24	28-Aug-24	25-Sep-24	17-Feb-25	15-Mar-25			DS3460: FS
DS3480	Resubmission of SCT Plan for Government Optical Fibre System	12	26-Sep-24	10-Oct-24	17-Mar-25	29-Mar-25			DS3470: FS
SAT Plan Sul	bmissions	85	16-Jul-24	25-Oct-24	06-Nov-24	13-Mar-25			
Central Sys	tem	42	16-Aug-24	05-Oct-24	07-Jan-25	27-Feb-25			
DS3500	Submission of Central System SAT Plan	18	16-Aug-24	05-Sep-24	07-Jan-25	27-Jan-25			DS2940: FS
DS3510	Comment on SAT Plan/ Workshops (System Briefing & Comment Discussion)	24	06-Sep-24	05-Oct-24	28-Jan-25	27-Feb-25			DS3500: FS
Traffic Cont	•	48	28-Aug-24	25-0ct-24	30-Dec-24	27-Feb-25			
DS3540	Submission of Traffic Control Devices System SAT Plan	24	28-Aug-24	25-Sep-24	30-Dec-24	27-Jan-25			DS2980: FS
DS3550	Comment on SAT Plan/ Workshops (System Briefing & Comment	24	26-Sep-24	25-Oct-24	28-Jan-25	27-Feb-25			DS3540: FS
	Discussion)	<u> </u>	_0 00p 2 i						
Communica	ation System	80	16-Jul-24	19-0ct-24	07-Nov-24	13-Feb-25			
DS3580	Submission of Communication System SAT Plan	20	16-Jul-24	07-Aug-24	07-Nov-24	29-Nov-24			DS3020: SS 12
DS3590	Comment on SAT Plan/ Workshops (System Briefing & Comment Discussion)	24	08-Aug-24	04-Sep-24	30-Nov-24	28-Dec-24			DS3580: FS
DS3600	Resubmission of SAT Plan for Communication System	12	05-Sep-24	19-Sep-24	30-Dec-24	13-Jan-25			DS3590: FS
DS3610	Approval of SAT Plan for Communication System	24	20-Sep-24	19-0ct-24	14-Jan-25	13-Feb-25			DS3600: FS, SC1350: FF
CCTV Syste		48	27-Aug-24	24-Oct-24	10-Dec-24	08-Feb-25			
DS3620	Submission of CCTV System SAT Plan	24	27-Aug-24	24-Sep-24	10-Dec-24	08-Jan-25			DS3060: FS 24
DS3630	Comment on SAT Plan/ Workshops (System Briefing & Comment Discussion)	24	25-Sep-24	24-Oct-24	09-Jan-25	08-Feb-25			DS3620: FS
PABX Syste	-	24	25-Sep-24	24-Oct-24	04-Feb-25	03-Mar-25			
DS3660	Submission of PABX System SAT Plan	24	25-Sep-24	24-0ct-24	04-Feb-25	03-Mar-25			DS3100: FS 48
ET System		24	10-Sep-24	09-Oct-24	18-Dec-24	16-Jan-25			
DS3700	Submission of ET System SAT Plan	24	10-Sep-24	09-Oct-24	18-Dec-24	16-Jan-25			DS3140: FS 36
PA System		24	25-Sep-24	24-Oct-24	17-Jan-25	17-Feb-25			
DS3740	Submission of PA System SAT Plan	24	25-Sep-24		17-Jan-25	17-Feb-25			DS3180: FS 48
Radio Syste	·	24	25-Sep-24	24-Oct-24	11-Dec-24	09-Jan-25			
DS3780	Submission of Radio System SAT Plan	24	25-Sep-24	24-Oct-24	11-Dec-24	09-Jan-25			DS3220: FS 48
	back Control System	48	16-Aug-24	14-Oct-24	06-Nov-24	02-Jan-25			
DS3860	Submission of Manual Fallback Control System SAT Plan	24	16-Aug-24	12-Sep-24	06-Nov-24	03-Dec-24			DS3300: FS
DS3870	Comment on SAT Plan/ Workshops (System Briefing & Comment	24	13-Sep-24	14-Oct-24	04-Dec-24	02-Jan-25			DS3860: FS
	Discussion)								
Speed Enfo	rcement System	60	30-Jul-24	09-Oct-24	30-Dec-24	13-Mar-25			
DS3940	Submission of Speed Enforcement System Reliability Test Plan	24	30-Jul-24	26-Aug-24	30-Dec-24	27-Jan-25			DS3380: FS
DS3950	Comment on Reliability Test Plan/ Workshops (System Briefing & Comment Discussion)	24	27-Aug-24	24-Sep-24	28-Jan-25	27-Feb-25			DS3940: FS
DS3960	Resubmission of Reliability Test Plan for Speed Enforcement System	12	25-Sep-24	09-Oct-24	28-Feb-25	13-Mar-25			DS3950: FS
Training Doc	cument & O&M Manual Submission for T2/TKOLTT TCSS	65	20-Aug-24	06-Nov-24	24-May-25	09-Aug-25			
DS3980	Submit Document for System Description	6	20-Aug-24	26-Aug-24	24-May-25	30-May-25			DS3580: SS 30
DS4010	Submit System Administration Manual	11	27-Aug-24	07-Sep-24	, 02-Jun-25	, 13-Jun-25			DS3980: FS
DS4020	Submit Training Manual	48	09-Sep-24	06-Nov-24	14-Jun-25	09-Aug-25			DS4010: FS
	ion and Testing & Commissioning	242	02-Jul-24	20-Feb-25	12-Jun-24	20-Nov-26	01-Apr-24		
	& Testing Related to Stage 2 of Works	193	02-Jul-24	20-Feb-25	13-Jul-24	20-Nov-26			
Installation		193	02-Jul-24	20-Feb-25	13-Jul-24	20-Nov-26			
Portion 4	- TKO-LTT (LT Interchange)	93	02-Jul-24	21-Oct-24	13-Jul-24	03-Feb-25			
	Install Cable Containments	48	02-Jul-24	26-Aug-24	13-Jul-24	06-Sep-24			DS6404: FS, DS6540: FS
		I	1		1			1	



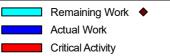
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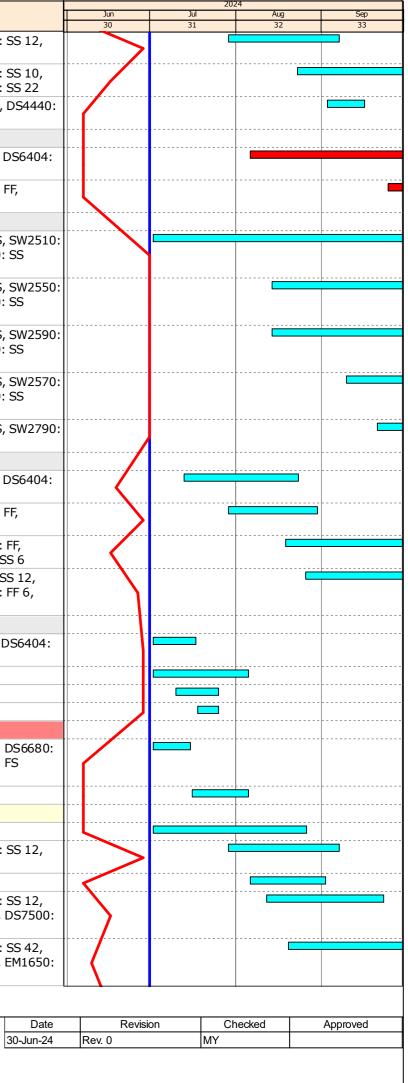


Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
SW1940	Install CCTV Camera	36	29-Jul-24	07-Sep-24	18-Dec-24	03-Feb-25			SW1040: SS 12, SW1930: SS 12 DS4090: FS, DS6440: FS
SW1950	Laying of Signal Cable - the 1st Section	48	23-Aug-24	21-Oct-24	08-Oct-24	03-Dec-24			SW1040: SS 22, SW1060: SS 10 SW1070: SS 10, SW1930: SS 22
SW1960	Install Equipment in Kiosk C	12	03-Sep-24	16-Sep-24	20-Nov-24	03-Dec-24			SW1050: FS, DS4340: FS, DS44 FS
Portion 1 -	South Apron Up to SUS	66	06-Aug-24	24-Oct-24	18-Jul-24	04-Oct-24			
SW2000	Install Cable Containments - the 1st Section	48	06-Aug-24	02-Oct-24	18-Jul-24	11-Sep-24			SW1220: FS, SC2480: FF, DS640 FS, DS6540: FS
SW2010	Install CCTV Camera	24	25-Sep-24	24-Oct-24	05-Sep-24	04-Oct-24			SW2000: SS 42, SC1470: FF, DS4090: FS, DS6440: FS
Portion 2 -	Tunnel Section, Service Gallery, WVB & EVB	193	02-Jul-24	20-Feb-25	09-Sep-24	20-Nov-26			
SW2080	Install Cable Containments	135	02-Jul-24	09-Dec-24	09-Sep-24	20-Nov-26			SW2300: SS, SW2400: SS, SW25 SS, SW2600: SS, SW2720: SS
SW2090	Install CCTV Camera	123	14-Aug-24	09-Jan-25	17-0ct-24	20-Nov-26			SW2310: SS, SW2430: SS, SW2 SS, SW2640: SS, SW2760: SS
SW2100	Install ET	129	14-Aug-24	16-Jan-25	17-Jan-25	20-Nov-26			SW2340: SS, SW2480: SS, SW25 SS, SW2680: SS, SW2820: SS
SW2110	Install Radio System in Service Gallery	112	10-Sep-24	23-Jan-25	24-Oct-24	20-Nov-26			SW2390: SS, SW2470: SS, SW25 SS, SW2660: SS, SW2800: SS
SW2120	Signal Cable Laying	124	21-Sep-24	20-Feb-25	13-Nov-24	20-Nov-26			SW2500: SS, SW2710: SS, SW27 SS
Portion 3 -	CKL Branch Tunnel in TKO-LTT Site	73	13-Jul-24	08-Oct-24	07-Feb-25	22-Apr-25			
	Install Cable Containments	36	13-Jul-24	23-Aug-24	13-Feb-25	26-Mar-25			SW1860: FS, SC2480: FF, DS640 FS, DS6540: FS
SW2220	Install CCTV Camera	29	29-Jul-24	30-Aug-24	07-Feb-25	12-Mar-25			SW1860: SS 12, SC1470: FF, DS4090: FS, DS6440: FS
	Signal Cable Laying	36	19-Aug-24	30-Sep-24	11-Mar-25	22-Apr-25			SW2230: SS 18, SW1900: FF, SW2220: SS 6, SW1880: SS 6
SW2240	Laying of Leaky Cable	36	26-Aug-24	08-Oct-24	21-Feb-25	03-Apr-25			SW2230: SS 6, SW2220: SS 12, SW1880: SS 12, SW1900: FF 6, SW1870: SS 22
Underpass	S21	30	02-Jul-24	05-Aug-24	26-Apr-25	03-Jun-25			
SW2260	Install Cable Containment	14	02-Jul-24	17-Jul-24	26-Apr-25	14-May-25			AC1040: SS, SC2480: FF, DS640 FS, DS6540: FS
SW2280	Laying of Leaky Cable	30	02-Jul-24	05-Aug-24	26-Apr-25	03-Jun-25			SW2260: SS
	Laying of Power Cable From TCSS Cabinet in T2 Area	14	10-Jul-24	25-Jul-24	17-May-25	03-Jun-25			SW2260: SS 7
	Install YAGI Antenna	7	18-Jul-24	25-Jul-24	26-May-25	03-Jun-25			SW2260: FS
	KO-LTT (LT Interchange)	114	02-Jul-24	14-Nov-24	13-Jul-24	03-Feb-25			
SW1020	Inpect Civil Provisions & Submit Inspection Report	12	02-Jul-24	15-Jul-24	17-Aug-24	30-Aug-24			AC1030: SS, DS6600: FS, DS668 FS, DS6760: FS, DS6840: FS
SW1030	Rectify Civil Provision Defects by Others	18	16-Jul-24	05-Aug-24	31-Aug-24	21-Sep-24			SW1020: FS
		114	02-Jul-24	14-Nov-24	13-Jul-24	03-Feb-25			
SW1040	Install Cable Containments	48	02-Jul-24	26-Aug-24	13-Jul-24	06-Sep-24			DS6400: FS, DS6540: FS
SW1060	Install CCTV Camera	36	29-Jul-24	07-Sep-24	25-Sep-24	07-Nov-24			SW1040: SS 12, SW1930: SS 12 DS4090: FS, DS6440: FS
SW1050	Install Equipment Racks	24	06-Aug-24	02-Sep-24	23-Sep-24	22-0ct-24			SW1030: FS
SW1070	Install Detection Camera	36	12-Aug-24	23-Sep-24	25-Sep-24	07-Nov-24			SW1040: SS 12, SW1930: SS 12 DS4490: FS, DS6440: FS, DS750 FS
SW1110	Install Traffic Control Devices	48	20-Aug-24	17-0ct-24	31-Aug-24	29-0ct-24			SW1040: SS 42, SW1930: SS 42 EM1030: FS, DS2810: FS, EM165 FS, DS8250: FS





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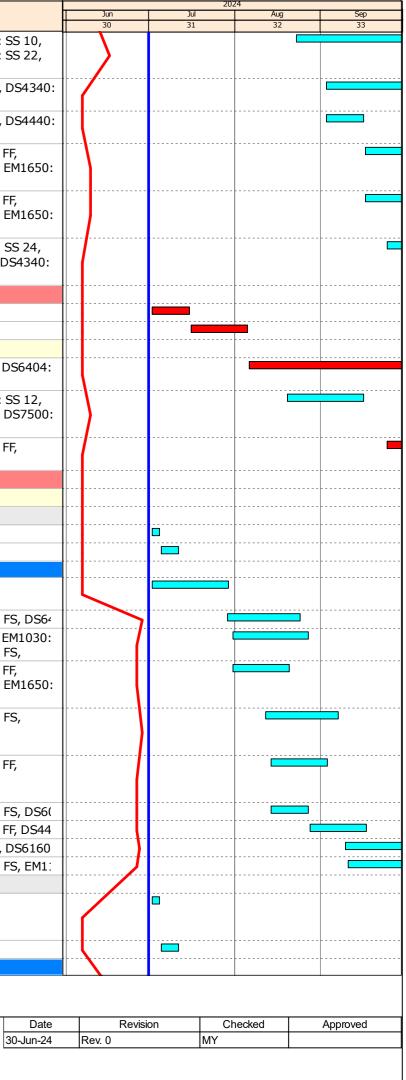
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
SW1080	Laying of Signal Cable - the 1st Section	48	23-Aug-24	21-Oct-24	08-Oct-24	03-Dec-24			SW1040: SS 22, SW1060: SS 10 SW1070: SS 10, SW1930: SS 22 DS5960: FS
SW1100	Install Server Equipment	36	03-Sep-24	17-Oct-24	23-Oct-24	03-Dec-24			SW1050: FS, DS4440: FS, DS43 FS
SW1120	Install Equipment in Kiosk C	12	03-Sep-24	16-Sep-24	20-Nov-24	03-Dec-24			SW1050: FS, DS4340: FS, DS44 FS
SW1130	Install VSLS on Gantry	24	17-Sep-24	17-0ct-24	08-Nov-24	05-Dec-24			SW1110: SS 24, SC1210: FF, EM1030: FS, DS2810: FS, EM16 FS, DS8250: FS
SW1140	Install PVMS on Gantry	48	17-Sep-24	14-Nov-24	04-Dec-24	03-Feb-25			SW1110: SS 24, SC1210: FF, EM1030: FS, DS2810: FS, EM16 FS, DS8250: FS
SW1090	Install Video Wall Equipment (Administration Building)	21	25-Sep-24	21-Oct-24	09-Nov-24	03-Dec-24			SW1040: FS 24, SW1930: SS 24 SC1330: FF, DS4440: FS, DS434 FS, DS4440: FF
Portion 1 - S	outh Apron Up to SUS	96	02-Jul-24	24-Oct-24	12-Jun-24	04-Oct-24			
SW1210	Inspect Civil Provisions & Submit Inspection Report	12	02-Jul-24	15-Jul-24	12-Jun-24	25-Jun-24			AC1000: SS
SW1220	Rectify Civil Provision Defects by Others	18	16-Jul-24	05-Aug-24	26-Jun-24	17-Jul-24			SW1210: FS
		66	06-Aug-24		18-Jul-24	04-Oct-24			
SW1230	Install Cable Containments - the 1st Section	48	06-Aug-24		18-Jul-24	11-Sep-24			SW1220: FS, SC2480: FF, DS64 FS, DS6540: FS
SW1250	Install Detection Cameras	24	20-Aug-24	16-Sep-24	05-Sep-24	04-Oct-24			SW1230: SS 12, SW2000: SS 12 DS4490: FS, DS6440: FS, DS75 FS
SW1240	Install CCTV Camera	24	25-Sep-24	24-Oct-24	05-Sep-24	04-Oct-24			SW1230: SS 42, SC1470: FF, DS4090: FS, DS6440: FS
	unnel Section, Service Gallery, WVB & EVB	163	02-Jul-24	14-Nov-24	29-Aug-24	20-Nov-26	01-Apr-24		
Tunnel Sect		114	02-Jul-24	14-Nov-24	29-Aug-24	20-Nov-26			
	ction - CH 6+568 to CH 7+100	84	02-Jul-24	09-Oct-24	25-Oct-24	20-Nov-26			101050 00
	Inspect Civil Provisions & Submit Inspection Report	3	02-Jul-24	04-Jul-24	11-Nov-26	13-Nov-26			AC1050: SS
Svv2870	Rectify Civil Provision Defects by Others	6 84	05-Jul-24 02-Jul-24	11-Jul-24 09-Oct-24	14-Nov-26 25-Oct-24	20-Nov-26 22-Mar-25			SW2860: FS
	) Install Cable Containment	24	02-Jul-24			21-Nov-24			SC2480: FF, DS6540: FS
SW2370	) Install PA in Service Gallery	24	29-Jul-24	24-Aug-24	13-Nov-24	10-Dec-24			SW2300: SS 12, DS4240: FS, D
SW2350	) Install Traffic Control Devices	24	31-Jul-24	27-Aug-24	03-Jan-25	03-Feb-25			SW2300: FS, SC1210: FF, EM10 FS, DS2810: FS, EM1650: FS,
SW2360	) Install VSLS	18	31-Jul-24	20-Aug-24	28-Nov-24	18-Dec-24			SW2300: SS 18, SC1210: FF, EM1030: FS, DS2810: FS, EM16 FS, DS8250: FS
SW2380	) Install PABX in Service Gallery	24	12-Aug-24	07-Sep-24	27-Nov-24	24-Dec-24			SW2370: SS 12, DS4140: FS, DS6040: FS, DS6480: FS
SW2310	) Install CCTV Camera	18	14-Aug-24	03-Sep-24	12-Dec-24	03-Jan-25			SW2360: SS 12, SC1470: FF, DS4090: FS, DS6440: FS
SW2340	) Install ET	12	14-Aug-24	27-Aug-24	17-Jan-25	03-Feb-25			SW2350: SS 12, DS4190: FS, D
SW2320	) Install Detection Camera	18	28-Aug-24		27-Dec-24	17-Jan-25			SW2310: SS 12, SC2120: FF, DS
	) Install Radio System in Service Gallery	24	10-Sep-24	09-Oct-24	26-Dec-24	23-Jan-25			SW2380: FS, DS4390: FS, DS61
SW2390		18	11-Sep-24	03-Oct-24	03-Mar-25	22-Mar-25			SW2320: SS 12, DS6320: FS, E
	) Install SEC Camera	10							
SW2330	) Install SEC Camera ction - CH 7+100 to CH 7+600	84	02-Jul-24	09-Oct-24	29-Aug-24	03-Feb-25			
SW2330 Tunnel Sec			02-Jul-24 02-Jul-24	09-Oct-24 04-Jul-24	29-Aug-24 29-Aug-24	03-Feb-25 31-Aug-24			AC1060: SS
SW2330 Tunnel Sec SW2880	ction - CH 7+100 to CH 7+600	84			29-Aug-24				AC1060: SS SW2880: FS



Remaining Work 🔶 Milestone

Actual Work Critical Activity

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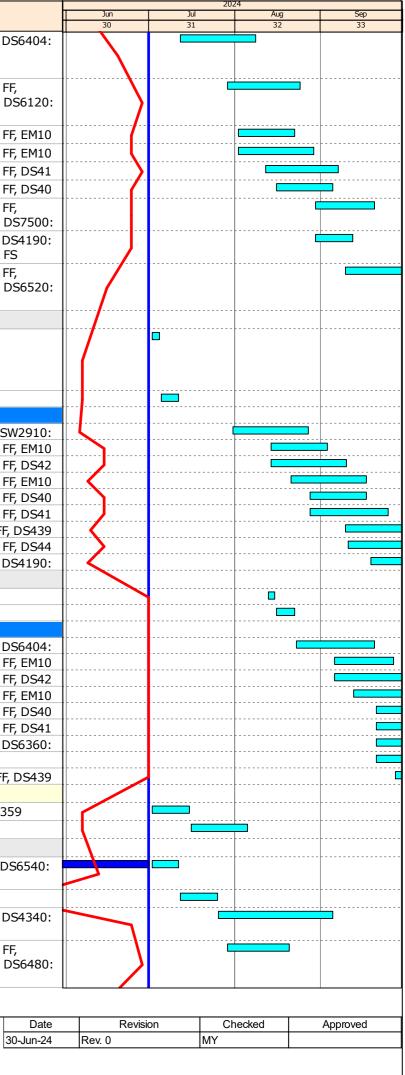


ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
SW2400	D Install Cable Containment	24	12-Jul-24	08-Aug-24	09-Sep-24	08-Oct-24			SC2480: FF, SW2890: FS, DS64
				_					FS, DS6540: FS
SW2410	) Install PA in Service Gallery	24	29-Jul-24	24-Aug-24	24-Sep-24	23-0ct-24			SW2400: SS 12, SC1860: FF,
				5					DS4240: FS, DS6480: FS, DS61 FS
SW2420	) Install VSLS	18	02-Aug-24	22-Aug-24	02-Oct-24	23-0ct-24			SW2400: SS 18, SC1210: FF, EI
SW2460	D Install Traffic Control Devices	24	02-Aug-24		18-Dec-24	16-Jan-25			SW2400: SS 18, SC1210: FF, EI
SW2440	D Install PABX in Service Gallery	24	12-Aug-24		09-Oct-24	06-Nov-24			SW2410: SS 12, SC1590: FF, D
	D Install CCTV Camera	18	16-Aug-24	· ·	17-0ct-24	06-Nov-24			SW2420: SS 12, SC1470: FF, D
SW2450	D Install Detection Camera	18	30-Aug-24	20-Sep-24	31-Oct-24	20-Nov-24			SW2430: SS 12, SC2120: FF, DS4490: FS, DS6440: FS, DS7
SW2480	) Install ET	12	30-Aug-24	12-Sep-24	17-Jan-25	03-Feb-25			SW2460: FS, SC1720: FF, DS41 FS, DS6080: FS, DS6480: FS
SW2470	) Install Radio System in Service Gallery	24	10-Sep-24	09-Oct-24	24-0ct-24	20-Nov-24			SW2440: SS 12, SC1990: FF,
									DS4390: FS, DS6160: FS, DS65 FS
Tunnel Se	ction - CH 7+600 to CH 8+100	84	02-Jul-24	09-Oct-24	15-0ct-24	03-Feb-25			
SW2900	Inspect Civil Provisions & Submit Inspection Report	3	02-Jul-24	04-Jul-24	15-0ct-24	17-0ct-24			AC1070: SS
SW2910	Rectify Civil Provision Defects by Others	6	05-Jul-24	11-Jul-24	18-Oct-24	24-0ct-24			SW2900: FS
Installatio	· · ·	59	31-Jul-24	09-Oct-24	25-Oct-24	03-Feb-25			
SW2510	) Install Cable Containment	24	31-Jul-24	27-Aug-24	25-Oct-24				SC2480: FF, EM1620: FS, SW29
SW2520	) Install VSLS	18	14-Aug-24	03-Sep-24	28-Nov-24	18-Dec-24			SW2510: SS 12, SC1210: FF, E
SW2530	D Install PA in Service Gallery	24	14-Aug-24	10-Sep-24	04-Dec-24	02-Jan-25			SW2510: SS 12, SC1860: FF, D
SW2540	D Install Traffic Control Devices	24	21-Aug-24	17-Sep-24	18-Dec-24	16-Jan-25			SW2510: SS 18, SC1210: FF, E
SW2550	D Install CCTV Camera	18	28-Aug-24	17-Sep-24	12-Dec-24	03-Jan-25			SW2520: SS 12, SC1470: FF, D
	D Install PABX in Service Gallery	24	28-Aug-24	25-Sep-24	18-Dec-24	16-Jan-25			SW2530: SS 12, SC1590: FF, D
	D Install Radio System in Service Gallery	24	10-Sep-24		26-Dec-24	23-Jan-25			SW2560: SS 6, SC1990: FF, DS
	D Install Detection Camera	18	11-Sep-24		27-Dec-24	17-Jan-25			SW2550: SS 12, SC2120: FF, D
	D Install ET	12	19-Sep-24		17-Jan-25	03-Feb-25			SW2540: FS, SC1720: FF, DS41
	ction - CH 8+100 to CH 8+750	78		14-Nov-24		28-Apr-25			
	Inspect Civil Provisions & Submit Inspection Report	3		15-Aug-24		1			AC1080: SS
	Rectify Civil Provision Defects by Others	6		22-Aug-24					SW2920: FS
		69		14-Nov-24		28-Apr-25			
	0 Install Cable Containment	24		20-Sep-24		1			SC2480: FF, SW2930: FS, DS64
	) Install VSLS ) Install PA in Service Gallery	18 24	06-Sep-24 06-Sep-24	27-Sep-24 05-Oct-24	28-Nov-24 04-Dec-24	18-Dec-24 02-Jan-25			SW2600: SS 12, SC1210: FF, E SW2600: SS 12, SC1860: FF, D
	D Install Traffic Control Devices	24	13-Sep-24	1	18-Dec-24	16-Jan-25			SW2600: SS 18, SC1210: FF, E
	D Install CCTV Camera	18		14-0ct-24 14-0ct-24	12-Dec-24	03-Jan-25			SW2610: SS 12, SC1470: FF, D
	D Install PABX in Service Gallery	24	21-Sep-24		12 Dec 24	16-Jan-25			SW2620: SS 12, SC1590: FF, D
	D Install GOFS (CH 7+600 to CH 8+750)	45	21-Sep-24	1	06-Mar-25	28-Apr-25			SW2600: FS, SC2570: FF, DS63
	O Signal Cable Laying and Termination (CH 7+600 to CH 8+750)	45	21-Sep-24		13-Nov-24	06-Jan-25			SW2600: FS, SC2480: FF
	D Install Radio System in Service Gallery	24	28-Sep-24		26-Dec-24	23-Jan-25			SW2650: SS 6, SC1990: FF, DS
	lation Building	133	02-Jul-24	09-Oct-24	25-Nov-24	20-Nov-26	01-Apr-24		· · · ·
SW1360	Inspect Civil Provisions & Submit Inspection Report	12	02-Jul-24	15-Jul-24	16-Oct-26	30-Oct-26			AC1010: SS, KD1010: FS 359
	Rectify Civil Provision Defects by Others	18	16-Jul-24	05-Aug-24	31-Oct-26	20-Nov-26			SW1360: FS
Installation		133	02-Jul-24	09-Oct-24	25-Nov-24	11-Feb-25	01-Apr-24		
SW1650	Install Cable Containments	24	02-Jul-24	11-Jul-24	25-Nov-24	04-Dec-24	01-Apr-24		SC2480: FF, DS6400: FS, DS65 FS
SW1660	Position Equipment Rack	12	12-Jul-24	25-Jul-24	12-Dec-24	26-Dec-24			SW1650: FS
	Install Network Equipment	36	26-Jul-24	05-Sep-24	27-Dec-24	11-Feb-25			SW1660: FS, SC1330: FF, DS43 FS, DS4440: FS
SW1690	Install PABX Equipment	20	29-Jul-24	20-Aug-24	25-Nov-24	17-Dec-24			SW1650: SS 18, SC1590: FF, DS4140: FS, DS6040: FS, DS64 FS

Critical Activity

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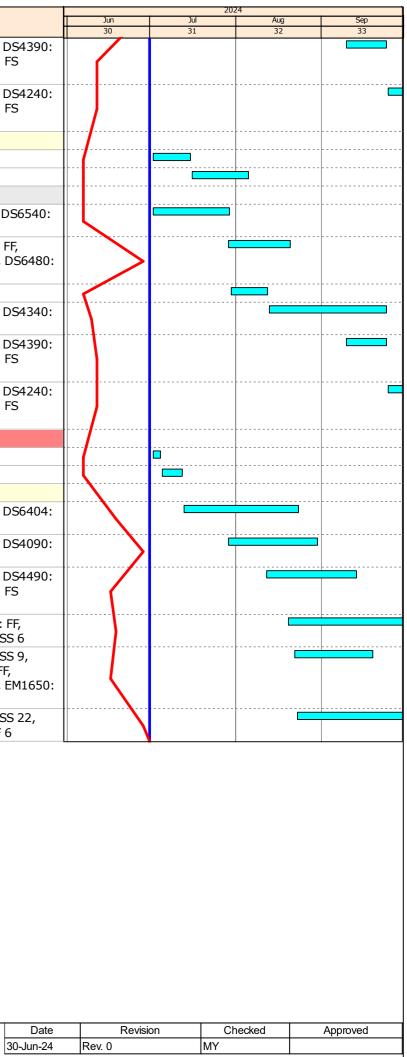
Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Late Start	Late Finish	Actual Start	Actual Finish	Predecessor Details
SW1710	Install Radio Equipment	12	10-Sep-24	24-Sep-24	18-Dec-24	02-Jan-25			SW1690: FS, SC1990: FF, DS439 FS, DS6160: FS, DS6520: FS
SW1720	Install PA Equipment	12	25-Sep-24	09-Oct-24	03-Jan-25	16-Jan-25			SW1710: FS, SC1860: FF, DS424 FS, DS6480: FS, DS6120: FS
East Ventila	tion Building	84	02-Jul-24	09-Oct-24	04-Nov-24	20-Nov-26			
SW2960	Inspect Civil Provisions & Submit Inspection Report	12	02-Jul-24	15-Jul-24	16-Oct-26	30-Oct-26			AC1010: SS, KD1010: FS
SW2970	Rectify Civil Provision Defects by Others	18	16-Jul-24	05-Aug-24	31-Oct-26	20-Nov-26			SW2960: FS
Installation	Works	84	02-Jul-24	09-Oct-24	04-Nov-24	11-Feb-25			
SW1750	Install Cable Containments	24	02-Jul-24	29-Jul-24	04-Nov-24	30-Nov-24			SC2480: FF, DS6400: FS, DS654 FS
SW1790	Install PABX Equipment	20	29-Jul-24	20-Aug-24	25-Nov-24	17-Dec-24			SW1750: SS 18, SC1590: FF, DS4140: FS, DS6040: FS, DS64 FS
SW1760	Position Equipment Rack	12	30-Jul-24	12-Aug-24	12-Dec-24	26-Dec-24			SW1750: FS
SW1770	Install Network Equipment	36	13-Aug-24	24-Sep-24	27-Dec-24	11-Feb-25			SW1760: FS, SC1330: FF, DS434 FS, DS4440: FS
SW1810	Install Radio Equipment	12	10-Sep-24	24-Sep-24	18-Dec-24	02-Jan-25			SW1790: FS, SC1990: FF, DS439 FS, DS6160: FS, DS6520: FS
SW1820	Install PA Equipment	12	25-Sep-24	09-Oct-24	03-Jan-25	16-Jan-25			SW1810: FS, SC1860: FF, DS424 FS, DS6480: FS, DS6120: FS
Portion 3 - Cl	L Branch Tunnel in TKO-LTT Site	81	02-Jul-24	05-Oct-24	11-Jan-25	22-Apr-25			
SW1850	Inspect Civil Provisions & Submit Inspection Report	3	02-Jul-24	04-Jul-24	11-Jan-25	14-Jan-25			AC1020: SS
SW1860	Rectify Civil Provision Defects by Others	7	05-Jul-24	12-Jul-24	15-Jan-25	22-Jan-25			SW1850: FS
Installation \	Vorks	71	13-Jul-24	05-Oct-24	23-Jan-25	22-Apr-25			
SW1890	Install Cable Containments	36	13-Jul-24	23-Aug-24	01-Feb-25	14-Mar-25			SW1860: FS, SC2480: FF, DS640 FS, DS6540: FS
SW1870	Install CCTV Camera	29	29-Jul-24	30-Aug-24	23-Jan-25	28-Feb-25			SW1860: FS, SC1470: FF, DS409 FS, DS6440: FS
SW1880	Install Detection Camera	29	12-Aug-24	13-Sep-24	07-Feb-25	12-Mar-25			SW1860: FS, SC2120: FF, DS449 FS, DS6440: FS, DS7500: FS
SW1920	Signal Cable Laying	36	20-Aug-24	02-Oct-24	11-Mar-25	22-Apr-25			SW1890: SS 32, SW1900: FF, SW1870: SS 6, SW1880: SS 6
SW1900	Install Traffic Control Devices	24	22-Aug-24	19-Sep-24	28-Feb-25	27-Mar-25			SW1870: SS 9, SW1880: SS 9, SW2220: SS 9, SC1210: FF, EM1030: FS, DS2810: FS, EM16 FS, DS8250: FS
SW1910	Laying of Leaky Cable	36	23-Aug-24	05-Oct-24	22-Feb-25	04-Apr-25			SW1890: SS 6, SW1870: SS 22, SW1880: SS, SW1900: FF 6

Remaining Work 🔶 Actual Work Critical Activity

Milestone

GTECH Services (Hong Kong) Limited

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APPENDIX O WASTE GENERATED IN THE REPORTING MONTH



Name of Department: CEDD Monthly Summary Waste Flow Table for 2024 (KT) Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron Contract No. ED/2018/04

	Ac	tual Quantiti	es of Inert Ca	&D Materials Gen	erated Month	nly	Actual	Quantities of	C&D Waste	s Generated I	Monthly
Month	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		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	10.162	0.000	0.000	10.162	0.000	0.000	131.520	0.609	0.008	0.000	0.101
February	6.052	0.000	0.000	6.052	0.000	0.000	49.890	0.670	0.010	0.000	0.104
March	0.888	0.000	0.000	0.888	0.000	0.000	4.000	0.008	0.008	0.000	0.089
April	0.716	0.000	0.000	0.000	0.716	0.000	99.870	0.008	0.006	0.000	0.088
May	0.564	0.006	0.551	0.000	0.013	0.000	172.480	0.011	0.007	0.000	0.101
June	6.446	0.009	1.418	4.825	0.204	0.000	0.000	0.500	0.000	0.000	0.071
Sub-total	24.828	0.016	1.968	21.927	0.932	0.000	457.760	1.806	0.039	0.000	0.554
July											
August											
September											
October											
November											
December											
Total	24.828	0.016	1.968	21.927	0.932	0.000	457.760	1.806	0.039	0.000	0.554

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).

		Actual Quan	tities of Inert C&	D Materials Gener	ated Monthly		Actual Quantities of C&D Waste Generated Monthly									
Month	Total Quantity Generated	Broken Concrete (see Note 4)	Estimated Quantities (Broken Concrete)	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Metals	Estimated Quantities (Metals)	Paper/ cardboard packaging	Estimated Quantities (Paper/ cardboard packaging)	Plastics (see Note 3)	Estimated Quantities (Plastics)	Chemical Waste	Others, e.g. general refuse		
	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000m ³ )	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(tonne)		
Jan-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	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jun-24	0	0	0	0	0	0	0	0	0	0	0	0	0	30.55		
Sub-total	0	0	0	0	0	0	0	0	0	0	0	0	0	30.55		
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	30.55		

## Monthly Summary Waste Flow Table For 2024

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.