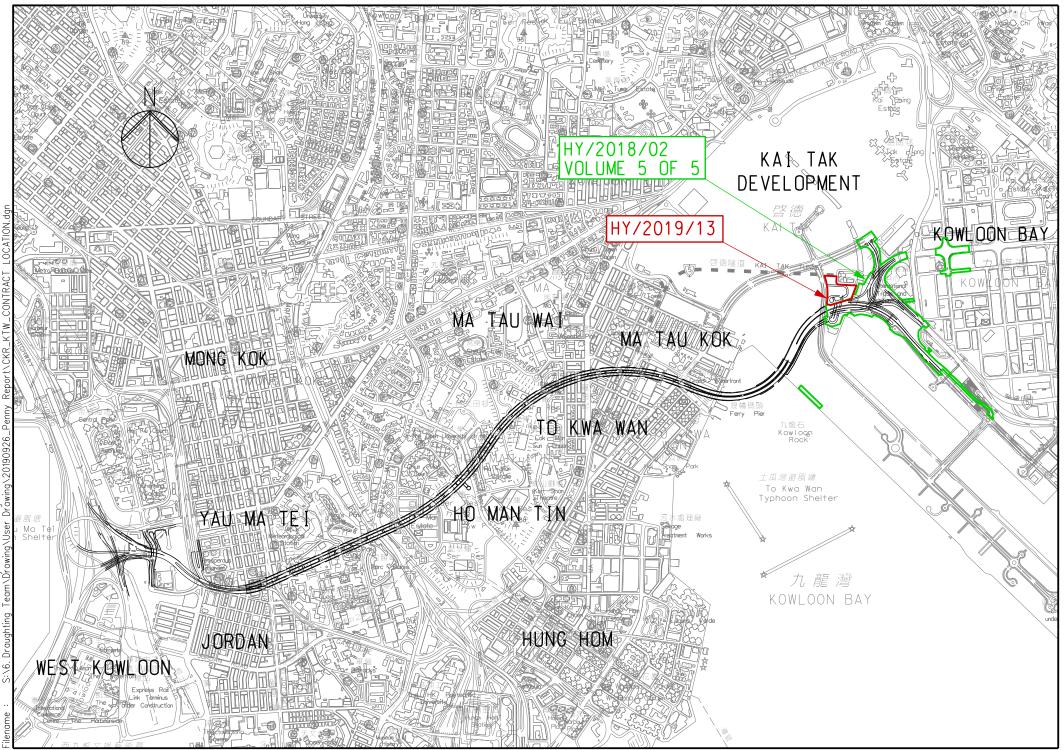
Vol. 5 of 5

EP-457/2013/D Central Kowloon Route Kai Tak East Contract No. HY/2018/02 &

Buildings, Electrical and Mechanical Works Contract No. HY/2019/13 (Kai Tak East Area) May 2024



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Central Kowloon Route Kai Tak East Contract No. HY/2018/02





Environmental Permit No. EP-457/2013/D

Central Kowloon Route

Independent Environmental Checker Verification

Works Contract:	Kai Tak East (HY/2018/02)

Reference Document/Plan

Document/Plan to be-Certified/ Verified:	Monthly EM&A Report No.57 (May 2024) (R1)
Date of Report:	11 Jun 2024
Date received by IEC:	11 Jun 2024

Reference EP Condition

Environmental Permit Condition: 3.4

Submission of Monthly EM&A Report of the Project

3.4 Four hard copies and one electronic copy of monthly EM&A Report shall be submitted to the Director within 2 weeks after the end of each reporting month throughout the entire construction period. The EM&A Reports shall include a summary of all non-compliance. The submissions shall be certified by the ET Leader and verified by the IEC as complying with the requirements as set out in the EM&A Manual before submission to the Director. Additional copies of the submission shall be provided to the Director upon request by the Director.

IEC Verification

I hereby verify that the above referenced document/plan complies with the above referenced condition of EP-457/2013/D.

Mandy 20.

Ms Mandy To Independent Environmental Checker Date:

11 Jun 2024

Our ref: 0436942_IEC Verification Cert_KTE_Monthly EM&A Rpt No.57.docx





Alchmex – Paul Y Joint Venture

Central Kowloon Route Contract HY/2018/02

Section of Kai Tak East

Monthly EM&A Report No. 57

(Period from 1 to 31 May 2024)

Rev. 1 (11 June 2024)

		Name	Signature
Prepared by		Kako Ho (Assistant Environmental Consultant)	Ho
Checked & Tandy Tse Reviewed by (Senior Environmental Consultant)		Tandy Tse (Senior Environmental Consultant)	here here here here here here here here
Approved Certified by	&	Kevin W. M. Li (Environmental Team Leader)	K.

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EXECUTIVE SUMMARY

- A.1 Alchmex Paul Y Joint Venture ("Contractor") commenced the construction works of Highway Department (HyD) Central Kowloon Route Contract No. HY/2018/02 – Section of Kai Tak East ("The Project") on 9 September 2019. This report is the 57th monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 May 2024 to 31 May 2024.
- A.2 A summary of major Construction activities provided by the Contractor for the Project during the reporting month is listed below.

Construction Activities undertaken

- S1, S2, S3, S4, S7, S8, S9, CKRE, CKRW Bridge Construction
- Retaining Wall Construction at U-Turn & Portion 2B
- Excavation Work at Portion 4A/4C
- A.3 A summary of regular construction dust monitoring activities in this reporting period is listed below:

Construction dust (24-hour TSP) monitoring	
E-A1a	6 times
Construction dust (1-hour TSP) monitoring	
E-A1a	18 times

- A.4 Joint weekly site inspections were conducted by representatives of the Environmental team (ET), the Contractor and the Engineer on 8, 14, 22 and 29 May 2024. A joint site inspection with the Independent Environmental Checker (IEC) was undertaken on 8 May 2024. Details of the audit findings and implementation status are presented in Section 5.
- A.5 Bi-weekly inspection of the implementation of landscape and visual mitigation measures by ET was conducted on 8 and 22 May 2024. Details of the audit findings and implementation status are presented in Section 5.
- A.6 Details of waste management are presented in Section 4.
- A.7 No exceedance of the Action and Limit Levels of 24-hour TSP and 1-hour TSP monitoring were recorded during the reporting month.
- A.8 No complaint was received in the reporting month.
- A.9 No non-compliance was received in the reporting month.
- A.10 No notification of summons and prosecution was received in the reporting period.

A.11 A summary of construction activities provided by the Contractor in next reporting month is listed below:

Construction Activities to be undertaken

- S1, S2, S3, S4, S7, S8, CKRE, CKRW Bridge Construction.
- Retaining Wall Construction at U-Turn & Portion 2B.
- Excavation Work at Portion 4A/4C.
- Backfilling at Portion 3B

1. BASIC PROJECT INFORMATION

- 1.1. Central Kowloon Route (CKR) is a 4.7 km long dual 3-lane trunk road in Central Kowloon linking Yau Ma Tei Interchange in West Kowloon with the road network on Kai Tak Development and Kowloon Bay in East Kowloon.
- 1.2. The Central Kowloon Route Design and Construction Environmental Impact Assessment Report (Register No.: AEIAR-171/2013) was approved with conditions by the Environmental Protection Department (EPD) on 11 July 2013. An Environmental Permit (EP 457/2013) was issued on 9 August 2013. Variations of EP (VEP) was subsequently applied for and the latest EP (EP-457/2013/D) was issued by EPD on 15 June 2021.
- 1.3. The construction of the CKR had been divided into different sections. This Contract No. HY/2018/02 Section of Kai Tak East (KTE) covers part of the construction activities located at Kai Tak under the EP which includes:
 - Section of Kai Tak East
 - i. construction of an approximately 700m long dual 2-lane Central Kowloon Route mainline at Kai Tak, including at-grade roads and bridges;
 - ii. construction of Kai Tak Interchange, including bridges, underpass, and associated at-grade slip roads, connecting the Central Kowloon Route with the existing road network;
 - iii. construction of a footbridge, and demolition/backfill of an existing subway across Kai Fuk Road;
 - iv. realignment of existing Kai Fuk Road, Kai Cheung Road and Kai Cheung Road/Kai Fuk Road loop road;
 - v. reconstruction of an approximately 30m long existing multi-cell box culvert;
 - vi. construction of an approximately 130m long underground ventilation and E&M audit;
 - vii. construction of Ring Road Underpass, connecting Central Kowloon Route mainline and Central Kowloon Route Administration Building;
 - viii. junction improvement works at existing Wang Kwong Road/Kai Cheung Road and Wang Kwong Road/Lam Hing Street junctions;
 - ix. arrangement and implementation of cross boundary disposal of construction and demolition materials; and
 - x. associated roadworks, drainage, waterworks, landscaping works, geotechnical works, and electrical and mechanical works.
- 1.4. The alignment and works area for the Contract No. HY/2018/02 are shown in Appendix A.

1.5. A summary of major construction activities provided by the Contractor in this reporting period is shown in **Table 1.1**. The construction programme is presented in **Appendix B**.

 Table 1.1
 Summary of Construction Activities during the Reporting Month

 Construction Activities undertaken

- S1, S2, S3, S4, S7, S8, S9, CKRE, CKRW Bridge Construction
- Retaining Wall Construction at U-Turn & Portion 2B
- Excavation Work at Portion 4A/4C
- 1.6. The project organisational chart specifying management structure and contact details are shown in **Appendix C**.
- 1.7. A summary of the valid permits, licences, and /or notifications on environmental protection for this Project is presented in **Table 1.2**.

Table 1.2 Summary of the Environmental Licence, Notification, Permit and Documentations

Permit/ Licences/	Valid I	Period		Remark				
Notification /Reference No.	From	То	Status					
Environmental Permit								
EP-457/2013/D	15-Jun-21		Valid	-				
Wastewater Discharge Lie								
WT00035029-2019	17-Dec-19	31-Dec-24	Valid	-				
Notification of Construction Regulation	on Works under	the Air Pollution	on Control (Constr	ruction Dust)				
445001	Apr-19		Notified	-				
Chemical Waste Producer								
WPN5113-247-A2940-01	17-May-19		Valid	-				
Billing Account for Dispos	sal of Construction	on Waste						
7034073	15-Jun-19		Valid	-				
Construction Noise Permi	t		1					
GW-RE0117-24	1-Mar-24	31-Aug-24	Valid	Portion 2B				
GW-RE0116-24	1-Mar-24	31-Aug-24	Valid	General Work at Area B and Site Office				
GW-RE0115-24	1-Mar-24	31-Aug-24	Valid	Kai Cheung U Turns				
GW-RE0114-24	1-Mar-24	31-Aug-24	Valid	Kai Cheung near Kai Shing Street				
GW-RE0409-24	8-Apr-24	6-Oct-24	Valid	Construction Work at 4A/4C				
GW-RE0318-24	3-Apr-24	14-May-24	Superseded by GW-RE0574-24	CLP Kai Fuk Road				
GW-RE0574-24	20-May-24	15-Jun-24	Valid	Night Work				

Permit/ Licences/	Valid I	Valid Period		
Notification /Reference No.	From	То	Status	Remark
GW-RE0513-24	7-May-24	10-Jul-24	Valid	T4 Night Work
GW-RE0241-24	1-Mar-24	16-May-24 Expired during reporting month		Portal installation and demolition at Kai Cheung & Kai Fuk Road
GW-RE0302-24	21-Mar-24	15-Jun-24	Valid	Pipe Laying Work at Trademart Drive
GW-RE0366-24			Superseded by GW-RE0520-24	Portal installation and demolition at
GW-RE0520-24	3-May-24	20-Jun-24	Valid	Kai Cheung & Kai Fuk Rd
GW-RE0504-23	1-May-24	31-Oct-24	Valid	General Work at Area A
GW-RE0518-24	25-Apr-24	14-Jun-24	Valid	Pipe Laying Work at Trademart Drive
GW-RE0546-24	12-May-24	4-Aug-24	Valid	Kai Cheung Road Sign Gantry G72 Night Work

2. ENVIRONMENTAL STATUS

2.1. Environmental permit (EP) conditions under the EIAO, submission status under the EP and implementation status of mitigation measures had been reviewed and implemented on schedule. The status of required submissions under the EP (EP-457/2013/D) as of the reporting period for the Project are summarised in **Table 2.1**.

Table 2.1Summary of Status of Required Submission for EP-457/2013/D for the Project

EP Condition (EP-457/2013/D)	Submission	Submission date
Condition 3.4	Monthly EM&A Report (April 2024)	13 May 2024

2.2. The drawing showing the project layout and the location of the monitoring station and environmental sensitive receivers are attached in **Appendix A** and **Appendix J**. Co-ordinates of the monitoring locations are shown in below:

Monitoring Location	Location ID	Latitude	Longitude	Remark
Hong Kong International Trade and Exhibition Centre	E-A1	22.323912	114.203512	No longer available due to redevelopment of the location
Fire Services Department Kowloon Bay Workshop	E-A1a	22.324455	114.205243	Alternative location for air quality monitoring station since 25 March 2024

Table 2.2Summary for the location of monitoring station

3. AIR QUALITY MONITORING RESULTS

Monitoring Parameters

- 3.1. The impact monitoring had been carried out in accordance with section 5.8 of the approved EM&A Manual to determine the 1-hour and 24-hour total suspended particulates (TSP) levels at the monitoring locations in the reporting month.
- 3.2. The sampling frequency of at least once in every 6 days, shall be strictly observed at the monitoring stations for 24-hour TSP monitoring. For 1-hour TSP monitoring, the sampling frequency of at least 3 times in every 6 days should be undertaken when the highest dust impact occurs.
- 3.3. General meteorological conditions (wind speed, direction and precipitation) and notes regarding any significant adjacent dust producing sources had also been recorded throughout the impact monitoring period.

Monitoring Equipment

- 3.4. 1-hour TSP levels and 24-hour TSP had been measured with direct reading dust meter and High-Volume Samplers respectively. It has been demonstrated its capability in achieving comparable results with high volume sampling method as set out in the Title 40 of the Code of Federal Regulations, Chapter 1 (Part 50).
- 3.5. The 1-hour TSP meter was calibrated by the manufacturer prior to purchasing. Zero response of the instrument was checked before and after each monitoring event. Operation of the 1-hour TSP meter followed manufacturer's Operation and Service Manual. The 24-hour TSP meter was calibrated against firmware 80570-8100-V1.0.4, annually. Operation of the 24-hour TSP meter followed manufacturer's Operation and Service Manual. Valid calibration certificate of dust monitoring equipment is attached in **Appendix H**.
- 3.6. A summary of the equipment that was deployed for the 24- hour averaged monitoring is shown in **Table 3.1**. The TSP monitoring was conducted as per the schedule presented in **Appendix G**.
- 3.7. The equipment used for 1-hour TSP and 24-hour TSP measurement and calibration are summarised in **Table 3.1**.

Monitoring Parameter	Monitoring Equipment	Serial Number	Date of Calibration
1-hour TSP	LD-5R Digital Dust Indicator	761172	28 November 2023
	TE-5170X High Volume Sampler	1049	2 May 2024
24-hour TSP			16 May 2024
	TE-5028A Calibration Kit	3465	15 January 2024

Table 3.1Construction Dust Monitoring Equipment

Monitoring Methodology and QA/QC results

- 3.8. The 1-hour TSP monitor, portable dust meters (Sibata Digital Dust Indicator Model LD-5R) was used for the impact monitoring. The 1-hour TSP meters provides a real time 1-hour TSP measurement based on 90° light scattering. Three 1-hour TSP level were logged per every six days.
- 3.9. The 24-hour TSP monitor, High Volume Samplers (Tisch TE-5170x High Volume Air Sampler) were used for the impact monitoring. The 24-hour TSP monitoring consists of the following:
 - The HVS was set at the monitoring location, with electricity supply connected and secured;
 - HVS was calibrated before commencing the 1st measurement;
 - The filter paper was weight and provided by HOKLAS lab (Acumen Laboratory and Testing Limited and ALS Technichem (HK) Pty Ltd) before and after the sampling. Certificate of HOKLAS accredited laboratory can be referred to Appendix I;
 - The airflow over time during sampling process was recorded by the HVS.
- 3.10. HVSs were free-standing with no obstruction. The following criteria were considered in the installation of the HVS:
 - Appropriate support to secure the samples against gusty wind needed to be provided the monitoring station;
 - A minimum of 2m separation from walls, parapets and penthouses was required for rooftop samplers;
 - No furnace or incinerator flues was nearby;
 - Airflow around the sampler was unrestricted; and
 - Permission could be obtained to set up the samplers and gain access to the monitoring station.
 - Any wire fence and gate, to protect the sampler, should not cause any obstruction during monitoring
 - A secured supply of electricity is needed to operate the samplers.

3.11. Preparation of Filter Papers:

- Glass fiber filters were labelled and sufficient filters that were clean and without pinholes were selected;
- ♦ All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25°C and not varied by more than ±3°C; the relative humidity (RH)was 40%; and
- Acumen Laboratory and Testing Limited and ALS Technichem (HK) Pty Limited, as HOKLAS accredited laboratory, implemented comprehensive quality assurance and quality control programmes on the filters.

3.12. Field Monitoring:

- The power supply was checked to ensure that the HVS was working properly;
- The filter holder and area surrounding the filter were cleaned;
- The filter holder was removed by loosening the foul bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully;
- The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter;

- The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied should be sufficient to avoid air leakage at the edges;
- The shelter lid was closed and secured with an aluminum strip;
- The HVS was warmed- up for about 5 minutes to establish run- temperature conditions;
- A new flow rate record sheet was inserted into the flow recorder;
- The flow rates of the HVS was checked and adjusted to between 1.13-1.19 m3min-1, which was within the range specified in the EM&A Manual (i.e. 0.6- 1.7 m3min-1);
- The programmable timer was set for a sampling period of 24 hours ±hour, and the starting time, weather condition and filter number were recorded;
- The initial elapsed time was recorded;
- At the end of sampling, the sampled filter was removed carefully and folded in half so that only surfaces with collected particulate matter were in contact;
- The filter paper was placed in a clean plastic envelope and sealed; all monitoring information was recorded on a standard data sheet and
- The filters were sent to (Acumen Laboratory and Testing Ltd) for analysis.

3.13. Maintenance and Calibration:

- The HVS and their accessories were maintained in a good working condition. For example, motor brushes were replaced routinely and electrical wiring was checked to ensure a continuous power supply; and
- ◆ The flow rate of each HVS with mass flow controller was calibrated using an orifice calibrator, Initial calibrations of the dust monitoring equipment were conducted upon installation and prior to commissioning. Five-point calibration was carried out for HVS using TE-5025A Calibration Kit and TE-5028A Calibration KIT. HVS is calibrated in fortnightly Intervals. The calibration records for the HVS is given in **Appendix H**.
- 3.14. Wind Data Monitoring:
 - The wind speed has been recorded from Hong Kong Observatory- King's Park meteorological station, along with portable wind speed meter stand by as back up if malfunction occurred or data was not recorded from HKO.

Monitoring Locations

3.15. As informed by the Contractor, the Hong Kong International Trade and Exhibition Centre will undergo redevelopment in 2024. The original air monitoring station (E-A1) is no longer available. Therefore, the air quality monitoring station has been relocated to the Fire Services Department Kowloon Bay Workshop (E-A1a) since 25 March 2024. The relocation of monitoring station was identified and agreed with IEC, and EPD was notified on 12 March 2024. The details of the air monitoring stations are described in Table 3.2. The location plan of air quality monitoring stations is shown in Appendix J.

Monitoring Station Monitoring Location		Remark	
E-A1	Hong Kong International Trade and Exhibition Centre	No longer available due to redevelopment of the location	
E-A1a	Fire Services Department Kowloon Bay Workshop	Alternative location for air quality monitoring station since 25 March 2024	

Table 3.2Location of the Air Quality Monitoring Station

Monitoring Date, Time, Frequency and Duration

3.16. A summary of impact monitoring duration, sampling parameter and frequency is presented in **Table 3.3**.

Table 3.3Summary of Impact Monitoring Programme

Impact Monitoring	Duration	Parameter Frequency	
Dust	1-hour continuous measurement		3 times per six days
Dust	24-hour continuous sampling	24-hour TSP	Once per six days

Result Summary

3.17. According to our field observations, the major dust source identified at the designated air quality monitoring station in the reporting month are summarised in **Table 3.4**.

Table 3.4Observation at Air Quality Monitoring Station

Monitoring Station	Major Dust Source
E-A1a	Nearby traffic

- 3.18. Air quality impact monitoring for the reporting month was carried out on at E-A1a on 3, 7, 13, 17, 22 and 28 May 2024.
- 3.19. The results for 1-hour TSP and 24-hour TSP are summarized in **Table 3.5** and **Table 3.6**. The measurement data and details of influencing factors such as weather conditions and site observation are presented in **Appendix K**.

Table 3.5Summary of 1-hour TSP Monitoring Results

Monitoring Location	Range	Action	Limit
	(µg/m ³)	Level(μg/m ³)	Level(µg/m ³)
E-A1a	42 - 68	279	500

Table 3.6Summary of 24-hour TSP Monitoring Results

Monitoring Location	Range	Action Level	Limit Level
	(µg/m³)	(µg/m ³)	(µg/m ³)
E-A1a	33 - 90	142	260

4. WASTE MANAGEMENT

4.1. The waste generated from this Project includes inert C&D materials, and non-inert C&D materials. Non-inert C&D materials are made up of general refuse, vegetative wastes and recyclable wastes such as plastics and paper/cardboard packaging waste. Steel materials generated from the project are also grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials. With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting month are summarised in **Table 4.1**. Details of cumulative waste management data are presented as a waste flow table in **Appendix L**.

			Quanti	ty		
]	Non-inert C&	D Materials	
Reporting period	Inert C&D Materials	Chemical Waste	Others, e.g. General Refuse	Re	cycled materi	als
	(in '000tonnes)	(in 'kg)	disposed at Landfill (in 'kg)	Paper/ cardboard (in 'kg)	Plastics (in '000 kg)	Metals (in '000 kg)
May 2024	2.33	0.00	307740.00	100.00	0.00	0.00

Table 4.1Quantities of Waste Generated from the Project

SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND 5.

PROSECUTIONS

The Environmental Complaint Handling Procedure is shown in below Table 5.1. 5.1.

Table 5.1 Envir	ronmental Complaint Ha	ndling Procedure	
Complaint Received via	Project Hotline	Complaint Received vi government departments	
Contractor notify ER, E	T and IEC	ER notify Contractor, ET	and IEC
Contractor log complai	nt and date of receipt on	to the complaint database.	Contractor, ER and ET
	to conduct investi	gation of complaint	
If complaint is considered	ed not valid	If complaint is found val	id
ET or ER to reply the co	omplainant if necessary	Contractor to identify a	nd implement remedial
		measures in consultation	n with the IEC, ET and
		ER.	
		The ER, ET and IEC to a	review the effectiveness
		of the Contractor's rem	edial measures and the
		updated situation; ET t	o undertake additional
		monitoring and audit to	verify the situation if
		necessary and oversee that	at circumstances leading
		to the complaint do no	t recur. ER to conduct
		further inspection as nec	essary.
If the complaint is refe	erred by the EPD, the Co	ontractor to prepare interim	report on the status of
the complaint investig	ration and follow-up acti	ons stipulated above inclu	ding the details of the

the complaint investigation and follow-up actions stipulated above, including the details of the remedial measures and additional monitoring identified or already taken, for submission to EPD within the time frame assigned by the EPD

The ET to record the details of the complaint, results of the investigation, subsequent actions taken to address the complaint and updated situation including the effectiveness of the remedial measures, supported by regular and additional monitoring results in the monthly EM&A reports

- 5.2. Should non-compliance of the criteria occur, action in accordance with the Event and Action Plan in **Appendix D** and **Appendix E** shall be carried out.
- 5.3. No exceedance of the Action and Limit Levels of 24-hour TSP and 1-hour TSP monitoring was recorded in the reporting month.
- 5.4. No complaint was received in the reporting month.
- 5.5. No non-compliance was received in the reporting month.
- 5.6. No notification of summons and successful prosecution was received in the reporting month.
- 5.7. Statistics on complaints, notifications of summons and successful prosecutions are summarized in **Appendix M**.

6. EM&A SITE INSPECTION

- 6.1. Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting period, 5 site inspections were carried out by the representative of ET, Contractor and Engineer on 8, 14, 22 and 29 May 2024, along with bi-weekly inspection of the implementation of landscape and visual mitigation measures conducted on 8 and 22 May 2024.
- 6.2. One joint site inspection with IEC was also undertaken on 8 May 2024. Minor deficiencies were observed during weekly site inspection. Key observations during the site inspections are summarized in **Table 6.1**.

Date	Environmental Observations	Follow-up Status
8 May 2024	1. Exposed earth road should be	1. Water has been
	regularly sprayed with water.	regularly sprayed.
	2. At temporary platform, chemical	2. Chemical containers
	containers should be placed on	have been placed on
	drip tray.	drip tray.
14 May 2024	1. At Portion 2B, breaker should be	1. Breaker has been
	properly placed on impervious	properly placed on
	surface.	impervious surface.
22 May 2024	1. At VA, chemical containers	1. Chemical containers
	should be place on drip tray.	have been placed on
		drip tray.
29 May 2024	1. At 8 Bridge, chemical containers	1. Chemical containers
	should be placed on drip tray.	have been placed on
	2. At Roadworks (outside), sandbags	drip tray.
	should be placed around drainage.	2. Sandbags have been
		placed around drainage.

Table 6.1Site Observations

- 6.3. The Contractor had rectified all observation identified during environmental site inspection in the reporting period.
- 6.4. According to the EIA Study Report, Environmental Permit, contract documents and EM&A Manual, the mitigation measures detailed in the documents had been implemented as much as practical during the reporting period. An updated Implementation Status of Environmental Mitigation Measures (EMIS) is provided in **Appendix F**.

7. FUTURE KEY ISSUES

7.1. The construction activities to be undertaken in the next reporting month are:

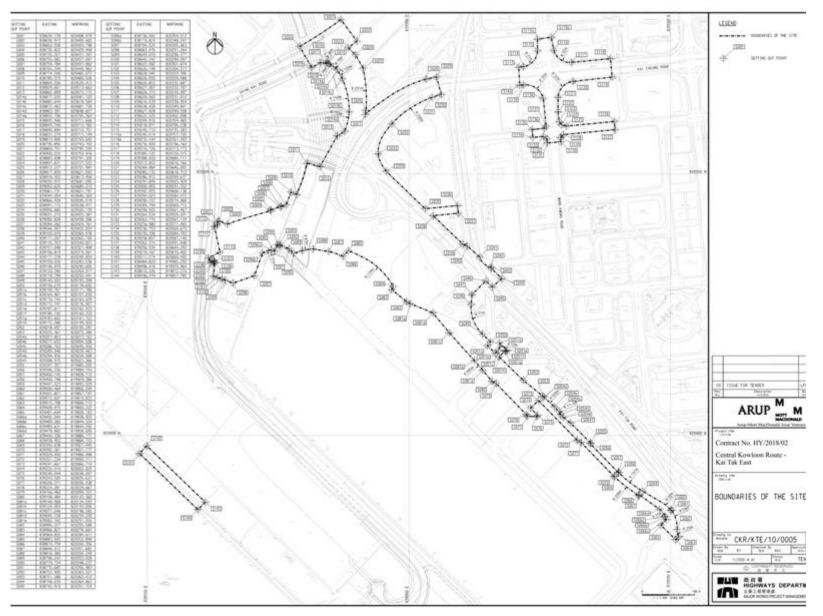
Construction Activities to be undertaken

- S1, S2, S3, S4, S7, S8, CKRE, CKRW Bridge Construction.
- Retaining Wall Construction at U-Turn & Portion 2B.
- Excavation Work at Portion 4A/4C.
- Backfilling at Portion 3B
- 7.2. Potential environmental impacts arising from the above construction activities are mainly associated with dust and waste management.
- 7.3. The tentative schedule of 1-hour TSP and 24-hour TSP monitoring in the next reporting period is presented in **Appendix N**.
- 7.4. The construction programme for the Project for the next reporting month is presented in **Appendix B**.

8. Conclusion and Recommendations

- 8.1. This 57th monthly EM&A Report presents the EM&A works undertaken during the period from 1 May 2024 to 31 May 2024 in accordance with the EM&A Manual and the requirement under EP-457/2013/C and EP-457/2013/D.
- 8.2. Air quality impact monitoring (including 1-hour TSP and 24-hour TSP) was carried out in the reporting period. No exceedance of the Action and Limit Level was recorded for air quality impact monitoring during the reporting month.
- 8.3. Weekly environmental site inspections by the representative of ET, Contractor and Engineer were conducted during the reporting period. One joint site inspection with IEC was carried out on 8 May 2024. Minor deficiency was observed during site inspection and was rectified within the specified deadlines. The environmental performance of the Project was therefore considered satisfactory.
- 8.4. No complaint was received in the reporting month.
- 8.5. No non-compliance situation was received in the reporting month.
- 8.6. No notification of summons or prosecution was received since commencement of the Contract.
- 8.7. The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.

Appendix A Alignment and Works Area for the Contract No. HY/2018/02



Appendix B Construction Programme

ata Date: 25-Apr-24 rint Date: 06-May-24	14:59			The second s				Rou	te - F	(ai Ta	k East				610				,			lupa	Aici	R	– Paul	Y Join	t Ventu	ire
ly ID	Activity Name		Orig Dur Statt	Finish	Late Start	Late Finish	Fical	TRA (Dey)	Activity % Complete	Physical % Complete	Activity Type	Prima WBS Const	24 3	1 07	60 14	21 2	8 05	61	y 19	1 26 1	02 09	62 16	23 30	1 07 1	63 14 21	1 28 1	6/ 04 11	18 25
Central Kowlo	oon Route - Kai Tak Ea	ast (Month 60 Update) (Re	777 25-Apr-22 A	10-Dec-24	15-May-23	27-Sep-26	540	825.00																				
PRELIMINAR	RIES AND GENERAL R	REQUIREMENTS																										
	ates and Milestones																											
Key Dates			0 07-Feb-24 A			22-Nov-25		0.00																				
	e Works (Subject to Excisio		0 07-Feb-24 A		22-Nov-25			0.00																				
KD-06	KD06 - Section 6: Comprises a (Subject to Excision)	ll the works in Part 3C (Part 3C + 412d)	0	07-Feb-24 A		22-Nov-25			100%	100%	Finish Miketone	Finist KTE- On	•															
Access Dates			0 25-Apr-24	25-Apr-24	15-May-23	15-May-23	-346	0.00																				
AD-482		days)_Late Possession - tentative 2/1/2024	0 25-Apr-24*		15-May-23		-346		0%	0%	Start Mileston	e Start KTE- On	`			1												
		TG/PCCW/HKB/ATC/KT Tun	102 21-Mar-24 A			03-Apr-25																						
Utilities Monthi			102 21-Mar-24 A	27-Jul-24	27-Dec-24	03-Apr-25	202	0.00											ļ					ļ				
UU-1060	19th Utilities monthly meeting		0 21-Mar-24 A		27-Dec-24				100%	100%	Start Mileston	On	`															
UU-1062	20th Utilities monthly meeting		0 28-May-24		28-Jan-25		202		0%	0%	Start Mileston		`															
UU-1064	21st Utilities monthly meeting		0 27-Jul-24		03-Apt-25		202		0%	0%	Start Mileston	e KTE-	•			÷												
	ENGINEERING					06-Feb-24																						
	/orks Design & Engined	ering	116 21-Feb-24 A																									
DES - Kiosks			116 21-Feb-24 A		10-Jan-24	06-Feb-24	-81	0.00		100%																		
DES-1238 DES-1240	DES - ICE checking and approv		8 21-Feb-24 A		10-Jan-24	10-Jan-24 06-Feb-24	-61		100%	095	Task Dependent Task	KTE-																
		g and approval; consent to start the works	24 25-4pr-24	24-May-24	10-Jan-24		-61	00.200	0%	0%	Dependent	KIE	`						1									
CONSTRUCTI																												
	orary Traffic Manageme	ent Scheme	148 25-Jan-24 A	31-00-24	16-Dac-23	23-Jan-24	-149	0.00																				
KCR-TTA-U-3	or Kai Cheung Road	U-3 (Night works) (Span 8B to 8C)	0 25-Jan-24 A	31-50/24	16-Dec-23	23/08/1/24	.1.19	0.00	100%	100%	Start Mileston	е кле-				÷												
KOR-TTA-3	TTA - Kai Cheung Road - Stage		0 12-3ul-24		19-Jap-24		-136		0%	0%	Start Mileston																	
KOR-TTA-3.1	TTA - Kai Cheung Road - Stage		0 20-04-24		19-Jan-24		-143		0%	0%	Start Mieston																	
KCR-TTA-3.2	TTA - Kai Cheung Road - Stage		4 27-Jul-24	31-Jul-24	19-Jan-24	23-Jan-24	-149		0%	0%	Task	KTE-													Ĩ	_		
TTM Scheme fo		. J.L.	99 27-Mar-24 A	30-3ul-24	13-Nov-23	20-Apr-24	-82	0.00	0.0	0.0	Dependent	R.L.														-		
KR-TTA-4.1	TTA - Kai Fuk Road - Stage 4.1	//IP Eathurd)	0 27-Mar-24 A	3000124	13-Nov-23	20040-24	-02	0.00	100%	100%	Start Mileston	e KTE-																
KR-TTA-4.28	-	B (KFR Westbound-two lane further leftward)	0 27-Mar-24 A		13-Dec-23				100%	100%	Start Mileston																	
KFR-TTA-4.2A		A (KFR Westbound-one lane on S3)	0 25-Jun-24		13-Dec 23		-151		0%	0%	Start Mileston																	
KFR-TTA-4.1B	TTA - Kai Fuk Road - Stage 4.1	B (KFR Eastbound - 4 nos of tree to be fell;	0 30-Jul-24		20-Apr-24		-62		0%	0%	Start Mileston															•		
	subject to TPRT proposal)	, except Section 2 to 17	459 14-Dec-22.4	10-Dec-24	17-00-23	27-Seo-26	540	645.00																				
Sch_1 Prelimin			271 16-Oct-23 A	24-Oct-24	08-Dec 23	26-Sep-26	580	36.00																				
Site Establishn			271 16-Od-23 A	24-Od-24	08-Dec-23	26-5ep-26	580	36.00																				
		ainpipe diversion) (CE-0024)	32 10-May-24	18-Jun-24	21-Aug-26	26-Sep-26	686	12.00																				
	Manhole S470B		32 10-May-24	18-Jun-24	21-Aug-26	26-Sep-26																						
Current Miles Actual Work Critical Remaining V	s aining Work	Central K	owloon Rou Th	te - Kai ree Mon					e) (Re	v50- C	SD)	Base Layo	ct ID: KTI line: ut: KTE - : TASK fil	3 Month	s Rolling			Submi	ission.			Date 25-Sep-23 25-Od:23 25-Nov-23 25-Deo23 25-Feb:24 25-Marc24	Submit Submit Submit CSD P	t CSD Prog t CSD Prog t CSD Prog hogramme	parrime Rev parrime Rev parrime Rev Rev 48with	45wth M5 46wth M5 47wth M5 M57/58 M	5 Mon TY 4 Mon TY 5 Mon TY 5 Mon TY nthy TY hy Up TY	Y DC Y HL Y HL Y HL

ivity I D		Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical	TRA (Dey) A	ctivity % I Smplete	Physical % Complete	Activity Type	Prima WBS Const	S 700 61 82 63 64 10 24 31 07 14 21 28 05 12 18 26 02 08 16 23 30 07 14 21 28 04 11
	5A-5708	5A - ELS for 225 pipes (~17m) & MH 5470B	12	10-May-24	24-May-24	21-Aug-26	03-Sep-26	686	2.00	0%	0%	Task Dependent	KTE-	
	5A-5702	5A - ELS for 225 pipes (~9m)	6	25-May-24	31-May-24	07-Sep-26	12-Sep-26	688	2.00	0%	0%	Task Dependent	KTE-	A
	5A-5710	5A - Laying 225 pipes & bedding (~17m); construct Manhole S470B	14	25-May-24	11-Jun-24	04-Sep-26	19-Sep-26	686	2.00	0%	0%	Task Dependent	KTE-	A
	5A-5704	5A - Laying 225 pipes & bedding to 5470A (~9m)	6	01-Jun-24	07-Jun-24	14-Sep-26	19-Sep-26	688	2.00	0%	0%	Task Dependent	KTE-	A
	5A-5706	5A - Baddiling and reinstatement (~9m)	6	08-Jun-24	15-Jun-24	21-Sep-26	26-Sep-26	688	2.00	0%	0%	Task Dependent	KTE-	3
	5A-5712	5A - Baddiling and reinstatement (~17m)	6	12-Jun-24	18-Jun-24	21-Sep-26	26-Sep-26	686	2.00	0%	0%	Task	KTE-	A
Ľ	Temporary ste	el platform over Kai Tak River	150	15-Apr-24 A	24-Oct-24	30-Jan-24	26-Sep-26	580	12.00			Dependent		
	DIA reinstater	mentworks	150	15-Apr-24 A	24-0:1-24	30-Jan-24	26-Sep-26	580	12.00					
	1-2340	SE - Temporary Platform removal (stage 4) - Zone 5 to 12	150	15-Apr-24 A	24-0d-24	27-May-24	22-Nov-24	25	12.00	0%	0%	Task	KTE-	3
	1-2338G	SE - Temporary Platform removal (stage 1,2,3) - Zone 1,2,3,4 (remaining due	18	25-Apr-24	17-May-24	07-Sep-26	26-Sep-26	712		0%	0%	Dependent Task	KTE-	
	1-2339	to DCS) SE- Removal of remaining temp platform (edge) and concrete plinth/blocks	42	17-Jun-24	05-Aug-24	30-Jan-24	25-Mar-24	-106		0%	0%	Dependent Task	KTE-	
⊪	1-2339A	SE- Reinstate the Kai Tak Nullah Wall	24	06-Aug-24	02-Sep-24	26-Mar-24	26-Apr-24	-106		0%	0%	Dependent Task	KTE-	a
		orks for Early Commencement of 8A Pilling Works		10-May-24	10-May-24	15-Jun-24	15-Jun-24	29	0.00			Dependent		
		Patform for 8A Pilling Works		10-May-24	10-May-24	15-Jun-24	15-Jun-24		0.00					
	1-1624A	8A - Piling platform - exc to 7.5mPD for RW OKR-c	0	10-May-24	101 0/ 21	15-Jun-24	15 2011 21	29	0.00	0%	0%	Start Milestone	E KTE-	
		at Kai Fuk Road		02-Nov-23 A	16-Jul-24	03-Sep-24	22-Nov-24	108	12.00	0.90	0.90	Static Prilescoline	C NIL-	°
								108		1000				
	1-1681	CLP(KFR) - preparation of TTA scheme/CNP application/ liasion		02-Nov-23 A			03-Sep-24		2.00	100%	100%	Task Dependent	KTE-	
	1-1683	CLP(KFR) - Stage 1 diversion; 24 hrs-TTA; by CLP	9		06-May-24	03-Sep-24	12-Sep-24	108	2.00	0%	0%	Task Dependent	KTE-	
	1-1685	CLP(KFR) - Stage 2 diversion; night works; by CLP	14	07-May-24	23-May-24	13-Sep-24	30-Sep-24	108	2.00	0%	0%	Task Dependent	KTE-	
	1-1687	CLP(KFR) - Stage 3 diversion; night works; by CLP	19	24-May-24	15-Jun-24	02-Oct-24	24-Oct-24	108	2.00	0%	0%	Task Dependent	KTE-	
	1-1689	CLP(KFR) - Stage 4 diversion; night works; by CLP	19	17-Jun-24	09-Jul-24	25-Oct-24	15-Nov-24	108	2.00	0%	0%	Task Dependent	KTE-	3
	1-1691	CLP(KFR) - completion of CLP works; removal existing CLP across S3	6	10-Jul-24	16-Jul-24	16-Nov-24	22-Nov-24	108	2.00	0%	0%	Task Dependent	KTE-	3
	DCS Contracto	r - additional works area at Pit B	196	16-Oct-23 A	15-Jun-24	08-Dec-23	29-Jan-24	-106	0.00					
	1-1801	DCS contractor acquired additional works area at Pit B area (fully vacate the whole area with pit B backfilled)	196	16-Od:-23 A	15-Jun-24	08-Dec-23	29-Jan-24	-106	:	78.57%	0%	Task Dependent	KTE-	3
S	ch_3.1 Bridge	S1 Works	247	14-Dec-22 A	31-Jul-24	11-Mar-24	12-Sep-24	37	20.00					
- 1	61 - Miscellane	eous Works	247	14-Dac-22 A	31-Jul-24	11-Mar-24	12-Sep-24	37	20.00					
	3.1-2382	BEM - S1 - Install Profile barrier / Parapet Wall / Planter / TCSS duct (L)	33	14-Dac-22 A	02-Apr-24 A	11-Mar-24	11-Mar-24		5.00	100%	100%	Task Dependent	KTE-	3
	3.1-2392	S1 - Movement Joint	12	25-4pr-24	09-May-24	23-Jul-24	05-Aug-24	72	2.00	0%	0%	Task	KTE-	3
	3.1-2384	S1 - Bridge Drainage Works	28	25-Apr-24	29-May-24	10-Apr-24	13-May-24	-13	4.00	0%	0%	Dependent Task	KTE-	
⊢	3.1-2388	S1 - Bridge Watemain / Irrigation System	28	10-May-24	13-Jun-24	24-Apr-24	28-May-24	-13	4.00	0%	0%	Dependent Task	KTE-	
	3.1-2394	S1 - Road pavement (Base Course)	9	10-May-24	21-May-24	06-Aug-24	15-Aug-24	72	1.00	0%	0%	Dependent Task	KTE-	
	3.1-2390	S1 - Road Lighting and Road Furniture	28	30-May-24	03-Jul-24	15-Jul-24	15-Aug-24	37	4.00	0%	0%	Dependent Task	KTE-	
⊢	3.1-2396	51 - Final completion works	24	04-Jul-24	31-Jul-24	15-Aug-24	12-5ep-24	37		0%	0%	Dependent Task	KTE-	
	3.1-2398	S1 - Completion of Bridge S1	0		31-Jul-24		12-Sep-24	37		0%	0%	Dependent Finish	KTE-	
	ch_3.2 Bridge	, ,	186	20-Nov-23 A	09-Sep-24	30-Nov-23	15-Aug-24	-21	50.00			Milestone		
	52 - Deck			31-Jan-24 A	18-Jun-24	30-Nov-23	14-May-24	-29	17.00					
	S2 Span (L)			02-Feb-24 A		30-Nov-23	14-May-24	3	2.00					
		L)-2D(L) (Stage 3)		11-Mar-24 A				-	0.00					
	- 52 - Span 2C(CP20(C) (Stage 3)	12	11-98529 A	19-118-24 A	14-2029-24	(4-918y-24		0.00					
	-	sone											Denia	ect ID: KTE-WP50 M60 Date Revision C
	Current Miles													ECT ID: K T E-WP SU_MBU 25-Sep-23 Submit CSD Programme Rev 44wth M53 Mon TYN
-	Adual Work	Central K	owlo	on Rout	e - Kai	Tak Eas	t (Mont	h 60 I	Jpdate) (Rev	50- C	SD)	Base	eline: 25 Oct 23 Submit CSD Programme Ray 45with M54 Man
		ining Work	owlo				t (Monti ng Prog) (Rev	50- C	SD)	Basel	

	Activity Name	Orig Dur	Stat	P IIIST	Late Start	Late Finish	Float	TRA (Day)	Activity % Complete	Physical % Complete	Activity Type	Const		6	0			61		62	2			63	-	6	34	
3.2-2671	52 - Span 2C-2D(L) Remove Falsework & Formwork	12	11-Mar-24 A	19-Mar-24 A	14-May-24	14-May-24		-	100%	100%	Task	KTE-	24 3	1 07	14 2	28	05 1	2 19	26 0	2 09	16 2	3 30	07	14 21	28	04 11	18	28
S2 - Span 2D(L	L)-2E(L) (Stage 4)	7	07-Feb-24 A	17-Feb-24 A	30-Nov-23	30-Nov-23		2.00			Dependent																	
3.2-2696a	S2 - Span 2D(L)-2E(L) Deck Section - stitch joint at 2D(L)			17-Feb-24 A				2.00	100%	100%	Task	KTE-																
S2 - Span 2E(L			02.5:5:24.4	00.4/m-24	20.300.22	12.5/101.24	2	0.00	100.10	10010	Dependent																	
3.2-2700	S2 - Span 2E(L)-8A Post-tensioning (Stage 4)		02 54 24 4	21-Feb-24 A	30-Nov-23	30-Nov-23	-	0.00	100%	100%	Task	KTE-																
								0.00			Dependent						_											
3.2-2701	S2 - Span 2E(L)-8A Remove Falsework & Formwork	12	25-4pr-24	09-May-24	29-Apr-24	13-May-24	3		0%	0%	Task Dependent	KTE-	1															
S2 Span (R)		116	31-Jan-24 A	18-Jun-24	17-Jan-24	14-May-24	-29	15.00																				
3.2-2665	S2 - Span 2C-2D(R) Post-tensioning (Stage 3)	7	07-Feb-24 A	17-Feb-24 A	17-Jan-24	17-Jan-24		0.00	100%	100%	Task Dependent	KTE-																
3.2-2665A	52 - Span 2C-2D(R) Remove Falsework & Formwork	12	11-Mar-24 A	19-Mar-24 A	14-May-24	14-May-24			100%	100%	Task Dependent	KTE4																
S2 - Span 2D(R	R)-2E(R)-2F (Stage 4)	109	31-Jan-24 A	18-Jun-24	17-Jan-24	13-May-24	-29	15.00			ooponoon																	
3.2-2680	S2 - Span 2D(R)-2E(R) Dedk Section	20	31-Jan-24 A	22-Feb-24 A	09-Feb-24	09-Feb-24		2.00	100%	100%	Task Dependent	KTE-																
3.2-2678a	52 - Span 2D(R)-2E(R) Web and Soffit - stitch joint at 2D(R)	10	24-Feb-24 A	07-May-24	17-Jan-24	27-Jan-24	-75	2.00	0%	100%	Task	KTE-4						• • • • • • • • • • • • •					· · · · ·		· · · · ·			
3.2-2702	52 - Span 2E(R)-2F Falsework and formworks	17	25-Feb-24 A	09-Apr-24 A	09-Feb-24	09-Feb-24		3.00	100%	100%	Dependent Task	KTE-V	-	-														
3.2-2704	S2 - Span 2E(R) / 2F Install Bearings	5	11-Mar-24 A	11-Mar-24 A	09-Feb-24	09-Feb-24		2.00	100%	100%	Dependent Task	KTE-																1
3.2-2710	S2 - Span 2E(R)-2F Web and Soffit	14	12-Mar-24 A	28-Mar-24 A	09-Feb-24	09-Feb-24		2.00	100%	100%	Dependent Task	KTE-4																
3.2-2714	52 - Span 2E(R)-2F Deck Section		29-Mar-24 A	19-Apr-24 A	09-Feb-24	09-Feb-24		2.00	100%	100%	Dependent Task	KTE-																
3.2-2680a	S2 - Span 2D(R)-2E(R) Dedk Section - stitch joint at 2D(R)		25-Apr-24 A	20-May-24	29-Jan-24	08-Feb-24	-75	2.00	0%	0%	Dependent	KTEA																
									0%	0%	Dependent																	
3.2-2718	52 - Span 2D(R)-2E(R)-2F Post-tensioning (Stage 4)		21-May-24	03-Jun-24	09-Feb-24	29-Feb-24	-75	0.00			Task Dependent	KTE-	·						i.		_							
3.2-2718A	S2 - Span 2E(R)-2F Remove Falsework & Formwork	12	04-Jun-24	18-Jun-24	29-Apr-24	13-May-24	-29		0%	0%	Task Dependent	KTE-	·						•		•							
52 - Miscellaneo	ous Works	165	20-Nov-23 A	09-Sep-24	30-Nov-23	15-Aug-24	-21	33.00																				
3.2-2722	BEM - S2 (R) - Install Parapet Wall / TCSS duct	67	20-Nov-23 A	29-Jun-24	05-Jan-24	14-Mar-24	-85	10.00	19.4%	0%	Task Dependent	KTE-				1 1			-			=						
3.2-2726	BEM - S2 (L) - Install Parapet Wall / TCSS duct	82	20-Nov-23 A	02-Aug-24	30-Nov-23	14-Mar-24	-113	10.00	0%	0%	Task Dependent	KTE-											-		-			
3.2-2724	S2 - Bridge Drainage works	42	19-Jun-24	07-Aug-24	14-May-24	04-Jul-24	-29	6.00	0%	0%	Task Dependent	KTE4									÷	1		-		•		
3.2-2723	S2 - End wall construction (Abutment)	24	19-Jun-24	17-Jul-24	02-Jul-24	29-Jul-24	10		0%	0%	Task	KTE-									-		-	-				
3.2-2728	52 - Movement Joint	12	03-Aug-24	16-Aug-24	16-Jul-24	29-Jul-24	-16	2.00	0%	0%	Dependent Task	KTE4																
3.2-2730	52 - Road Lighting and Road Fumiture	28	08-Aug-24	09-Sep-24	15-Jul-24	15-Aug-24	-21	4.00	0%	0%	Dependent Task	KTEA																-
3.2-2725	S2 - Remove steel portal (over KFR, KCR, Bridge S9) Night works (5 & 6)	18	08-Aug-24	28-Aug-24	05-Jul-24	25-Jul-24	-29		0%	0%	Dependent Task	KTE-										-						_
3.2-2731	52 - Watermain works		08-Aug-24	09-Sep-24	15-Jul-24	15-Aug-24	-21		0%	0%	Dependent Tæk	KTE-																<u></u>
3.2-2732	52 - Road pavement (Base Course)	15	17-Aug-24	03-Sep-24	30-Jul-24	15-Aug-24	-16	1.00	0%	0%	Dependent Task	KTEA															_	
									0.94	0.10	Dependent	NIE-																
ch_3.3 Bridge \$			25-Mar-24 A	13-Sep-24	14-Mar-24	15-Aug-24	-25	17.00																				
63 - Miscellaneo			25-Mar-24 A	13-Sep-24	14-Mar-24	15-Aug-24	-25	17.00																				
3.3-2890	53 - Install Parapet Wall (with CCMS ducts)(acc to early access Key Date A)		25-Mar-24 A	23-Apr-24 A	14-Mar-24	14-Mar-24		6.00	100%	100%	Task Dependent	KTE-A																
3.3-2896	S3 - Movement Joint	12	24-Jun-24	08-Jul-24	25-Jul-24	07-Aug-24	26	2.00	0%	0%	Task Dependent	KTE-									-		7					
3.3-2898	53 - Road pavement (Base Course)	7	09-Jul-24	16-Jul-24	08-Aug-24	15-Aug-24	26	1.00	0%	0%	Task Dependent	KTE-											-	•				
3.3-2892	53 - Bridge Drainage Works	28	11-Jul-24	12-Aug-24	11-Jun-24	13-Jul-24	-25	4.00	0%	0%	Task Dependent	KTE-											÷			-		
3.3-2894	S3 - Road Lighting and Road Furniture	28	13-Aug-24	13-Sep-24	15-Jul-24	15-Aug-24	-25	4.00	0%	0%	Task Dependent	KTE-															-	-
ch_3.4 Bridge S	S4 Works	205	15-Jan-24 A	07-Sep-24	14-Dec23	26-Sep-26	617	48.00			Dependent																	
																							<u></u>				-	
Unrent Miesk	one											Projec	t ID: KTI	-WP50_N	160					25	Date Sep-23	Subret	CSDPm	Revision parmine Rev	sdouth NS		Checked	App
Adual Work	Central K	(owloo	on Rout	e - Kai 1	Tak Eas	st (Mont	h 60 U	pdate	e) (Re	v50- C	SD)	Basel	ine:	-						25	Od 23 Nov-23	Submit	CSD Prog	parrime Rev parrime Rev parrime Rev	45wth M5	than T		DC HL
																												INC.
Critical Remain Remaining Vik			Thr	ee Mon	th Rolli	ing Prog	gramm	ie						ers: 3 Mor		rogramm ing 1 KT		mission		25	Deo23 Feb24	Submit	CSD Prog	ramme Rev Rov 48with M	47 with MS	5 Mon Ti		HL HL

D	Activity Name	Orig Dur	Start Fin	sh Late	star Lai	le Firish	Total Fical	TRA (Dey)	Activity % Complete	Physical % Complete	Activity Type	Const WBS	24	31 07	60 14 2	1 28	1 05 /	61 12 19	1 26 1 0	61 2 09 1	16 23	130 1	63 07 14 1	21 28	1 04	64 1 18	18
S4 - Pile Caps, I	Pier / Abutment	13 15-1	an-24 A 10-Ma	iy-24 14-D	ec-23 30-	-Dec-23	-101	2.00						01 07												10	
Abutment A-4	A-54	13 15-1	an-24 A 10-M	ny-24 14-D	ec-23 30	-Dec-23	-101	2.00																			
3.4-3058	S4 - A-4A-S4 Install Permeate Membrane and Badxfill	13 15-3	an-24 A 10-M	ny-24 14-D	ec-23 30-	-Dec-23	-101	2.00	0%	0%	Task Dependent	KTE-	·			1	-										
S4 - Deck		140 23-	eb-24 A 28-M	ny-24 30-3;	m-24 01-	Jun-24	4	13.00			Chipter total it																
S4-Span (L)		112 234	6b-24 A 28-M	iy-24 30-3	m-24 01-	Jun-24	4	6.00																			
S4- Span 48-4	#A(L) (Stage 4)	112 23-	eb-24 A 28-M	iy-24 30-Ji	an-24 01-	-Jun-24		6.00																			
3.4-3144	54 - Span 4A(A)-4B(A) Falsework and formwork	10 234	ieb-24 A 09-Ma	~24 A 30-Ja	an-24 30	-Jan-24		2.00	100%	100%	Task Dependent	KTE-															
3.4-3148	54 - Span 4A(A)-4B(A) Web and Soffit (concurrent with 4A-4B (R))	28 11-1	Aar-24 A 03-Ap	-24 A 30-J	an-24 30	Jan-24		1.00	100%	100%	Task Dependent	KTE-		•													
3.4-3146	S4 - Span 4A(A)-4B(A) Install Bearings	8 11-1	4ar-24 A 12-Ma	-24 A 30-Ji	an-24 30	-Jan-24		2.00	100%	100%	Task	KTE-	4														
3.4-3150	54 - Span 4A(A)4B(A) Deck Section (concurrent with 4A4B (R))	32 04-/	Apr-24 A 27-Ap	ar-24 30-Ja	m-24 01-	-Feb-24	-64	1.00	90.63%	0%	Dependent Task	KTE-		-													
3.4-3152	54 - Span 4A(A) 4B(A) Post-tensioning (Stage 4)	12 29	Apr-24 13-M	ny-24 01-Fi	±b-24 22-	-Feb-24	-64	0.00	0%	0%	Dependent Task	KTE					<u> </u>										
3.4-3154	S4 - Span 4A(A)-4B(A) Remove Falsework and Formwork	12 14-	May-24 28-Mi	ny-24 20-M	ay-24 01-	Jun-24	4	0.00	0%	0%	Dependent Task	KTE-							-								
S4-Dpan (R)		140 23-	ido-24 A 28-M	iy-24 30-3	m-24 01-	Jun-24	4	7.00			Dependent																
S4- Span 4B-4	IA(R) (Stage 6)	140 23-1	4b-24 A 28-M	sy-24 30-J	m-24 01-	Jun-24																					
3.4-3156	S4 - Span 4A(B)-4B(B) Falsework and formwork	10 23-	eb-24 A 09-Ma	-24 A 30-Ji	an-24 30	-Jan-24		2.00	100%	100%	Task	KTE-	•									1					1
3.4-3160	54 - Span 4A(B)-4B(B) Web and Soffit (concurrent with 4A-4B (L))	28 11-	Aar-24 A 03-Ap	-24 A 30-Ja	m-24 30	-Jan-24		2.00	100%	100%	Dependent Task	KTE-		•													
3.4-3158	S4 - Span 4A(B) 4B(B) Install Bearings	8 11-1	4ar-24 A 12-Ma	-24 A 30-Ja	m-24 30	Jan-24		2.00	100%	100%	Dependent Task	KTE-															
3.4-3162	S4 - Span 4A(B)-4B(B) Deck Section (concurrent with 4A-4B (L))	32 01-	4pr-24 A 27-A	or-24 30-Ja	an-24 01-	-Feb-24	-64	1.00	90.63%	0%	Dependent Task	KTE-															
3.4-3166	S4 - Span 4A(B)4B(B) Post-tensioning (Stage 6)	12 29	Apr-24 13-M	ty-24 01-Fi	sb-24 22-	-Feb-24	-64	0.00	0%	0%	Dependent Task	KTE-															
3.4-3168	S4 - Span 4A(B)-4B(B) Remove Falsework and Formwork	12 14	Mary-24 28-Ma	iy-24 20-M	ay-24 01-	Jun-24	4	0.00	0%	0%	Dependent Task	KTE-							-								
S4 - Miscellane	ous Works	205 25-1	an-24 A 07-Se	p-24 05-3	an-24 26-	-Sep-26	617	33.00			Dependent																
3.4-3300	BEM - S4 - Install Profile barrier / Parapet Wall / Planter / TCSS dout (L & R)	78 25-J	an-24 A 31-M	ny-24 05-Ja	an-24 24	-Jan-24	-98	10.00	78.21%	0%	Task	KTE-	\														
3.4-3300A	S4 - Concrete profile barrier Type CP1 (PMI-701)	24 22-8	eb-24 A 24-M	y-24 31-A	.g-26 26	-Sep-26	706		0%	0%	Dependent Task	KTE-				1											
3.4-3308A	BEM - 54 - Install Sign Gantry (G33) permanent plinth	4 254	4pr-24 A 30-A	0r-24 22-5	ap-26 26-	-Sep-26	725		0%	100%	Dependent Task	KTE-															
3.4-3303A	S4 - End wall construction (Abutment)- 4H/9E with sign gantry G33 (1 nos)	36 11-	May-24 24-Ju	n-24 05-Ji	an-24 22-	-Feb-24	-98		0%	0%	Dependent Task	KTE-										-					
3.4-3302	footing 54 - Bridge Drainage Works	42 29-	May-24 18-34	il-24 03-Ja	in-24 23	Jul-24	4	6.00	0%	0%	Dependent Task	KTE-															
3.4-3303	S4 - End wall construction (Abutment)- 4A	24 29-	May-24 26-Ju	n-24 06-Ju	in-24 05	i-Jul-24	7		0%	0%	Dependent Task	KTE-									-						
3.4-3306	S4 - Movement Joint	12 01-	Jun-24 15-Ju	n-24 21-Ju	in-24 05	i-Jul-24	16	2.00	0%	0%	Dependent Task	KTE-															
3.4-3310	S4 - Bridge Watermain / Inigation System	28 17	Jun-24 19-Ju	1-24 15-3	ul-24 15-	Aug-24	23	4.00	0%	0%	Dependent Task	KTE-															
3.4-3304	54 - Road Lighting and Road Furniture	42 22-	Jun-24 10-AL	g-24 27-Ju	in-24 15-	Aug-24	4	6.00	0%	0%	Dependent Task	KTE-										4					
3.4-3308	BEM - S4 - Install Sign Ganty (G33)	18 25-				Mar-24	-98	0.00		0%	Dependent Task	KTE-											_				
3.4-3312	54 - Road pavement (Base Course)	35 27-	Jun-24 07-Au	g-24 06-J	ul-24 15-	Aug-24	7	5.00	0%	0%	Dependent Task	KTE-															
3.4-3314	54 - Final completion works	24 12-				-5ep-24	4		0%	0%	Dependent Task	KTE-															-
Sch_3.5 Bridge	S7 Works	212 09-J				-Sep-24	-3	19.00			Dependent																
S7 - Miscellane		212 09-3	an-24 A 16-Si	p-24 16-D	ec23 12-	-Sep-24	-3	19.00														-					
3.5-3470	57 - Install Profile barrier / Parapet Wall / Planter	56 09-1	an-24 A 03-0			-Feb-24	-99	8.00	0%	0%	Task	KTE-		_								_					
3.5-3472	S7 - Bridge Drainage works	28 25	Apr-24 29-M	ny-24 11-Ju	in-24 13	-Jul-24	37	4.00	0%	0%	Dependent Task	KTE-							-								
3.5-3474	S7 - Road Lighting and Road Furniture	28 14	Jun-24 17-Ju	1-24 15-3		Aug-24	25	4.00			Dependent Task	KTE-											_				
	-					-					Dependent																<u>.</u>
Current Miest Actual Work Critical Remain Remaining W	Central Ko	owloon	Route - F Three M						e) (Re	•v50- C	SD)	Basel	line: ut: KTE -		_M60 s Rolling F Ionths Rol			bmission.		25 25 25 25	Date Sep-23 Od:23 Nov-23 Deo-23 Feb-24 Mar-24	Submit CSI Submit CSI Submit CSI CSD Progra	Rev D Programme D Programme D Programme D Programme amme Rev 44	e Rev 44wth e Rev 45wth e Rev 46wth e Rev 47wth Booth M57/50	M54 Mon M55 Mon M56 Mon	TYY	Ap DC DC HL HL HL

yID	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical	TRA (Day)	Activity % Complete	Physical % Complete	Activity Type	Prima WBS Const	Apri 60	мал	May 61 05 40 4	19 92 17	June 62 2 00 0	23 20 1	July 63 07 14 21	28 4	August 64 11 19 1 ~
3.5-3476	57 - Movement Joint	12	04-Jul-24	17-Jul-24	25-Jul-24	07-Aug-24	18	2.00	0%	0%	Task Dependent	KTE-	124 31 07 14 2	20	12		2 03 10	23 34	07 14 21	20 04	11 10 20
3.5-3477	57 - Remove Sted Portal (over KCR Slip Road) Night works (4)	12	04-Jul-24	17-Jul-24	02-Aug-24	15-Aug-24	25		0%	0%	Task Dependent	KTE-						-	-		
3.5-3478	S7 - Road pavement (Base Course)	7	18-Jul-24	25-Jul-24	08-Aug-24	15-Aug-24	18	1.00	0%	0%	Task	KTE-							-		
3.5-3475	S7 - Bridge watermain / imgation system	28	18-Jul-24	19-Aug-24	15-Jul-24	15-Aug-24	-3		0%	0%	Dependent Task	KTE-							_		_
3.5-3480	S7 - Final completion works	24	20-Aug-24	16-Sep-24	16-Aug-24	12-Sep-24	-3		0%	0%	Dependent Task	KTE-	v								
Sch_3.6 Bridge	s8 Works	225	26-Jan-24 A	15-0ct-24	16-Dec-23	18-Jul-24	-73	47.00			Dependent										
S8 - Deck		157	26-Jan-24 A	24-Jul-24	16-Dec-23	16-Apr-24	-81	32.00												+	
S8 - Span 8A-8	BB (Stage 1)	76	29-Jan-24 A	09-May-24	16-Dec-23	16-Apr-24	-19	7.00													
3.6-3656	S8 - Span 8A-8B Falsework and formworks	9	29-Jan-24 A	20-Feb-24 A	16-Dec-23	16-Dec-23		2.00	100%	100%	Task	KTE-									
3.6-3654	58 - Span 8A-8B Install Bearings	6	03-Feb-24 A	05-Feb-24 A	30-Dec-23	30-Dec-23		2.00	100%	100%	Dependent Task	KTE-									
3.6-3658	58 - Span 8A-88 Web and Soffit	10	21-Feb-24 A	02-Mar-24 A	30-Dec-23	30-Dec-23		2.00	100%	100%	Dependent Task	KTE-									
3.6-3660	S8 - Span 8A-8B Deck Section	12	04-Mar-24 A	19-Mar-24 A	30-Dec-23	30-Dec-23		1.00	100%	100%	Dependent Task	KTE-									
3.6-3662	58 - Span 8A-8B Post-tensioning (Stage 1)		26-Mar-24 A	06-Apr-24 A	30-Dec 23	30-Dec-23		0.00	100%	100%	Dependent Task	KTE-									
3.6-3664	58 - Span 8A-8B Ramove Falsework and Formwork	12	25-Apr-24	09-May-24	02-Apr-24	16-Apr-24	-19	0.00	0%	0%	Dependent Task	KTE-		11							
58 - Span 88-8			26-Jan-24 A	22-Jun-24	16-Dec-23	14-Mar-24	-79	12.00	0.0	0.0	Dependent	nine -									
3.6-3666	58 - Span 8B-8C Erect Steel Portal (over Kai Cheung Road Sip Road) Night		26-Jan-24 A	18-Mar-24 A	16-Dec 23	16-Dec-23		0.00	100%	100%	Task	KTE-									
	works (10)							0.00			Dependent										
3.6-3666A	S8 - Span 8B-8C fabrication Steel Portal (over Kai Cheung Road Slip Road) day works (10)		26-Jan-24 A	18-Mar-24 A	16-Dec-23	16-Dec-23			100%	100%	Task Dependent	KTE-									
3.6-3665	58 - Erect temp tower of portal at 8C		03-Feb-24 A	20-Feb-24 A	16-Dec-23	16-Dec-23			100%	100%	Task Dependent	KTE-									
3.6-3668	58 - Span 8B-8C Falsework and formworks		22-Mar-24 A	02-Apr-24 A	16-Dec-23	16-Dec-23		2.00	100%	100%	Task Dependent	KTE-									
3.6-3670	S8 - Span 8B-8C Web and Soffit	12	03-Apr-24 A	16-Apr-24 A	16-Dec-23	16-Dec-23		3.00	100%	100%	Task Dependent	KTE-	· · · · · · · · · · · · · · · · · · ·								
3.6-3672	58 - Span 8B-8C Deck Section	10	17-Apr-24 A	07-May-24	16-Dec-23	29-Dec-23	-99	2.00	0%	0%	Task Dependent	KTE-	· · · · ·								
3.6-3670a	58 - Span 8B-8C Web and Soffit - stitch joint at 8B	10	08-May-24	20-May-24	30-Dec-23	11-Jan-24	-99	3.00	0%	0%	Task Dependent	KTE-	•								
3.6-3672a	58 - Span 8B-8C Deck Section - stiltch joint at 8B	10	21-May-24	31-May-24	12-Jan-24	23-Jan-24	-99	2.00	0%	0%	Task Dependent	KTE-	v		1	-					
3.6-3674	S8 - Span 8B-8C Post-tensioning (Stage 2)	6	01-Jun-24	07-Jun-24	24-Jan-24	30-Jan-24	-99	0.00	0%	0%	Task Dependent	KTE-	v			-	-				
3.6-3676	S8 - Span 8B-8C Remove Falsework and Formwork	12	08-Jun-24	22-Jun-24	01-Mar-24	14-Mar-24	-79	0.00	0%	0%	Task Dependent	KTE-						3			
S8 - Span 8C-8	8D (Stage 3)	157	30-Jan-24 A	24-Jul-24	31-Jan-24	28-Mar-24	-93	13.00			Dependent										
3.6-3678	58 - Span 8C-8D Falsework and formworks	15	30-Jan-24 A	07-Feb-24 A	01-Mar-24	01-Mar-24		3.00	100%	100%	Task	KTE-	•								
3.6-3680	S8 - Span 8C-8D Install Bearings	5	02-Feb-24 A	03-Feb-24 A	01-Mar-24	01-Mar-24		2.00	100%	100%	Dependent Task	KTE-	4								
3.6-3686	58 - Span 8C-8D Web and Soffit	15	14-Feb-24 A	26-Feb-24 A	01-Mar-24	01-Mar-24		2.00	100%	100%	Dependent Task	KTE-									
3.6-3690	58 - Span 8C-8D Deck Section	15	27-Feb-24 A	11-Mar-24 A	01-Mar-24	01-Mar-24		2.00	100%	100%	Dependent Task	KTE-									
3.6-3686a	S8 - Span 8C-8D Web and Soffit - stitch joint at 8C	10	08-Jun-24	20-Jun-24	31-Jan-24	17-Feb-24	-99	2.00	0%	0%	Dependent Task	KTE-									
3.6-3690a	58 - Span 8C-8D Deck Section - stitch joint at 8C		21-Jun-24	03-Jul-24	19-Feb-24	29-Feb-24	-99	2.00	0%	0%	Dependent Task	KTE-									
3.6-3694	58 - Span 8C-8D Post-tensioning (Stage 3)	6	04-Jul-24	10-Jul-24	01-Mar-24	07-Mar-24	-99	0.00	0%	0%	Dependent Task	KTE-									
3.6-3696	S8 - Span 8C-8D Remove Falsework and Formwork	12		24-3ul-24	15-Mar-24	28-Mar-24	-93	0.00	0%	0%	Dependent Task	KTE-									
S8 - Miscellane			12-Jun-24	15-Oct-24	02-Feb-24	18-Jul-24	-73	15.00			Dependent										
3.6-3700	BEM - 58 - Install Profile barrier / Parapet Wall / TCSS duct (L)	24		10-Jul-24	02-Feb-24	07-Mar-24	-99		0%	0%	Task	KTE-									
3.6-3701	S8 - Install Profile barrier / Parapet Wall (R)	24		31-3ul-24	01-Mar-24	28-Mar-24	-99	4.00	0%	0%	Dependent	KTE-									
3.6-3703	S8 - End wall construction (Abutment)		11-3ui-24	07-Aug-24	15-Mar-24	26-Plar-24	-93	4.00	0%	0%	Dependent Task	KTE-							1.1		
5.0-5705	So - she was construction (volumental)	24	1100124	07-Hug-24	13110129	1040-24	-90		0-98	0.70	Dependent	KIE-	1								
Current Miles	sone Central K	owle	n Pout	o - Koi '	Tak Er-	t (Manti	601	Indat	a) (B-	w50 C	SD)	Proje Basel	ct ID: KTE-WP50_M60				25-Sep-2 25-Od-27	3 Submit CS	Revision D Programme Rev D Programme Rev		
Citical Remaining V	aining Work	0010				ing Prog			-) (Re	v 30= C	30)	Layor	ut: KTE - 3 Months Rolling I : TASK filters: 3 Months Ro			on.	25-Dec2 25-Dec2 25-Feb 2 25-Mar 2	3 Submit CS 3 Submit CS 4 CSD Progr	D Programme Rev D Programme Rev amme Rev 48with	46with M55 Mon 47with M56 Mon	TYY HL TYY HL TYY HL

	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical	TRA (Day)	Activity % Complete	Physical % Complete	Activity Type	Prima WBS Const	24 3	H 07	April 60	21	8 05	May 61	10 9	6 02	Jun 62	16 2	1 20 1	J 07 1	uly 53 14 21	1 28	Aug 6/ 04 11	181 1 18 1	te
3.6-3704	58 - Movement Joint	12	01-Aug-24	14-Aug-24	19-Jun-24	03-Jul-24	-36	2.00	0%	0%	Task Dependent	KTE4	24 3	1 0/				16	15 24	: 02	0.0	0 2		Ur .	14 21	20		10 2	5
3.6-3702	58 - Bridge Drainage works	28	01-Aug-24	02-Sep-24	02-Apr-24	05-May-24	-99	4.00	0%	0%	Task Dependent	KTEA														-			_
3.6-3708	58 - Road pavement (Base Course)	7	15-Aug-24	22-Aug-24	04-Jul-24	11-Jul-24	-36	1.00	0%	0%	Task Dependent	KTE-																-	
3.6-3706	58 - Road Lighting and Road Furniture	48	17-Aug-24	15-Oct-24	22-May-24	18-Jul-24	-73	4.00	0%	0%	Task Dependent	KTE4	••••													÷		_	_
ch_3.8 Bridge \$	S1/S9 Works	115	06-Feb-23 A	17-Jul-24	04-Dec-23	26-Sep-26	662	11.00			Dependent																		
S1/S9 - Miscella	aneous Works	115	06-Feb-23 A	17-Jul-24	04-Dec-23	26-Sep-26	662	11.00																					
3.8-4118	BEM - 51/59 (L) - Install Profile barrier / Parapet Wall / Planter / TCSS duct (L)	38	06-Feb-23 A	27-Mar-24 A	29-Feb-24	29-Feb-24		3.00	100%	100%	Task Dependent	KTE4																	
3.8-4122	BEM - S1/S9 - Erect Sign Gantry G64	4	21-Mar-24 A	26-Mar-24 A	29-Feb-24	29-Feb-24		0.00	100%	100%	Task Dependent	KTE-																	
3.8-4114	S1/S9 - Road Lighting and Road Furniture	28	25-Apr-24	29-May-24	04-Dec-23	08-Jan-24	-110	4.00	0%	0%	Task Dependent	KTE-				-			_										
3.8-4110a	S1/S9 - Bridge Drainage works (L)	14	25-Apr-24	11-May-24	11-Sep-26	26-Sep-26	716		0%	0%	Task	KTE4				-													
3.8-4128	S1/S9 - Bridge Watermain / Irrigation system	28	14-Jun-24	17-Jul-24	29-May-24	02-Jul-24	-13	4.00	0%	0%	Dependent Task	KTEA										_			•				
ch_3.9 Bridge (CKRW Works	204	11-Jan-24 A	06-Sep-24	12-Jan-24	12-Sep-24	5	14.00			Dependent																		
KRW - Pile Cap	ps, Pier / Abutment	9	11-Jan-24 A	06-May-24	12-Jan-24	22-Jan-24	-79	0.00																					
Abutment A-K1		9	11-Jan-24 A	06-May-24	12-Jan-24	22-Jan-24	-79	0.00												-						•		+	
3.9-4238	CKRW - A-K1-CKRW Instal Permeate Membrane and Baddill	9	11-Jan-24 A	06-May-24	12-Jan-24	22-Jan-24	-79	0.00	0%	0%	Task	KTE-4		_		1	_												
CKRW - Deck			01-Feb-24 A	09-May-24	18-Jan-24	08-May-24	-1	0.00			Dependent																		
	1-CKRW - K5-CKRW		01-Feb-24 A		18-Jan-24	18-Jan-24		0.00																					
3.9-1284A	ORRW - Span K1-K5 Dedk Section (stitch joint at K1)			27-Feb-24 A	18-Jan-24	18-Jan-24		0.00	100%	100%	Task	KTE-A																	
			18-Mar-24 A			08-May-24	-1	0.00	100%	100%	Dependent	NILS																	
	5-CKRW - K4-CKRW			09-May-24	18-Jan-24		-1	0.00																					
3.9-4292	CKRW - C-Span post-tensioning and Grouting (Stage 1)			21-Mar-24 A	18-Jan-24	18-Jan-24			100%	100%	Task Dependent	KTE4																	
3.9-1306	CKRW - Bridge CKRW Remove Falsework and Formwork		22-Mar-24 A	09-May-24	24-Apr-24	08-May-24	-1		0%	0%	Task Dependent	KTE4				1													
KRW - Miscella	aneous Works	123	08-Apr-24 A	06-Sep-24	23-Jan-24	12-Sep-24	5	14.00																					
3.9-4308	BEM - CKRW - Install Parapet Wall / TCSS duct (R)/CCMS duct	39	08-Apr-24 A	22-Jun-24	23-Jan-24	14-Mar-24	-79	3.00	0%	0%	Task Dependent	KTE-		-			-			1		_							
3.9-1310	CKRW - Bridge Drainage Works	26	08-Jun-24	10-Jul-24	09-May-24	08-Jun-24	-25	3.00	0%	0%	Task Dependent	KTEA									_								
3.9-4314	CKRW - Movement Joint	12	24-Jun-24	08-Jul-24	12-Jun-24	25-Jun-24	-10	2.00	0%	0%	Task Dependent	KTE-										•							
3.9-4316	CKRW - Road pavement	14	09-Jul-24	24-Jul-24	26-Jun-24	12-Jul-24	-10	2.00	0%	0%	Task Dependent	KTE-4												-	_				
3.9-1312	CKRW - Road Lighting and Road Furniture	28	11-Jul-24	12-Aug-24	17-Jul-24	17-Aug-24	5	4.00	0%	0%	Task Dependent	KTE4												-			_		
3.9-4318	CKRW - Final completion works	24	10-Aug-24	06-Sep-24	16-Aug-24	12-Sep-24	5	0.00	0%	0%	Task Dependent	KTE-															-		_
ch_4.2 Slip Roa	ad Underpass S3	181	30-Jan-24 A	31-Aug-24	16-Oct-23	27-Sep-26	623	70.00			Coperation									-									
53 - Not related	I to TTA (Ramp W4-W1)	154	15-Mar-24 A	31-Aug-24	09-Jan-24	25-May-24	-82	11.00																					
ELS for Underpa	ass (Ramp)	85	15-Mar-24 A	11-Jun-24	09-Jan-24	28-Feb-24	-82	0.00																					
4-4513	53 - Install cofferdam/ open cut with concrete blk installation (W1-W3)	16	15-Mar-24 A	14-May-24	09-Jan-24	26-Jan-24	-82		0%	0%	Task	KTE4		-	-	1		-											
4-4515	53 - Excavation down to final formation level (W1-W3)	22	16-May-24	11-Jun-24	27-Jan-24	28-Feb-24	-82		0%	0%	Dependent Task	KTE-									-								
RC Structures		91	16-May-24	31-Aug-24	19-Feb-24	25-May-24	-82	11.00			Dependent									-									
Ramp W4 to W	и		16-May-24	31-Aug-24	19-Feb-24	25-May-24																							
Bay W4		24	16-May-24	13-Jun-24	19-Feb-24	16-Mar-24	-69	0.00																					
4-4550a	\$3-W4 - Construct Side Wall (remaining pours)	24	16-May-24	13-Jun-24	19-Feb-24	16-Mar-24	-69		0%	0%	Task	KTE-						_			_								
Bay W3			12-Jun-24	20-Jul-24	29-Feb-24	11-Apr-24	-82	4.00	2.70		Dependent																		
5.57 115		33	a source of	Loouned	231027	1.041.04	-02	4.00																					
Current Miesic Actual Work Critical Remaining Vice	ing Work Central Ko	owloc				t (Montl ng Prog			e) (Re	v50- C	SD)	Baseli Layou	: KTE -	3 Month	s Rolling		imme I, KTE - S	Submis	ision.		20 20 20 20	Date Sep-23 Od:23 Nov-23 Deo-23 Feb-24	Submit C Submit C Submit C CSD Pro	ISD Prog ISD Prog ISD Prog	Revision amme Rev amme Rev amme Rev amme Rev Rev 48with f	45wth M54 46wth M55 47wth M56 457/58 Mo	Mon TY Mon TY Mon TY Mon TY	Y D Y H Y H Y H	ю ю Е
																						Man24					NUb. TY		

tivity ID	Activity Name	Orig Du	Stat	Finish	Late Start	Late Finish	Total Fical	TRA (Day)	Activity % Complete	Physical % Complete	Activity Type	Prima Const	WBS	Apri 60 24 31 07 14	21 28	May 61 35 12	19 26	1 02 00	62 16 2	1 30 0	July 63 7 14 2	28 4	August 64	18
4-4514	S3-W3 - Construct Base slab	15	i 12-Jun-24	28-Jun-24	29-Feb-24	16-Mar-24	-82	2.00	0%	0%	Task Dependent		KTE4	24 31 0/ 14	2 20	10 12	10	02 05	10 2		r 14 2	20 0		10
4-4516	S3-W3 - Construct Side Wall	18	29-Jun-24	20-Jul-24	18-Mar-24	11-Apr-24	-82	2.00	0%	0%	Task Dependent		KTE-1							+	-			
Bay W2		36	i 29-Jun-24	10-Aug-24	25-Mar-24	03-May-24	-82	4.00																
4-4518	S3-W2 - Construct Base slab	12	29-Jun-24	13-Jul-24	25-Mar-24	11-Apr-24	-76	2.00	0%	0%	Task Dependent		KTE-							÷	-			
4-4522	S3-W2 - Construct Side Wall	18	22-Jul-24	10-Aug-24	12-Apr-24	03-May-24	-82	2.00	0%	0%	Task		KTE-1										-	
Bay W1		42	15-Jul-24	31-Aug-24	20-Apr-24	25-May-24	-82	3.00																
4-4520	S3-W1 - Construct Base slab	11	15-Jul-24	26-Jul-24	20-Apr-24	03-May-24	-69	2.00	0%	0%	Task Dependent		KTE4								_	•		
4-4524	S3-W1 - Construct Side Wall	18	12-Aug-24	31-Aug-24	04-May-24	25-May-24	-82	1.00	0%	0%	Task Dependent		KTE-1										-	-
S3 - TTA St	tage 1 (Ramp W8-W5 & Box Section Bay B1)	100	25-Apr-24	23-Aug-24	12-Jan-24	28-May-24	-73	0.00			Dependent													
Miscellane	ous	100	25-Apr-24	23-Aug-24	12-Jan-24	28-May-24	-73	0.00																
4-4585a	S3 - Removal of Temp steel deck bridge over the Ramp W7-W8	24	25-Apr-24	24-May-24	12-Jan-24	08-Feb-24	-79		0%	0%	Task Dependent		KTE-1				-							
4-4585b	S3 - Installation of COMS system (attach to W8)	24	25-May-24	22-Jun-24	09-Feb-24	14-Mar-24	-79		0%	0%	Task Dependent		KTE-1						-					
4-4585c	53 - Final pour for the wall W8 after temp steel deck removal	24	25-May-24	22-Jun-24	09-Feb-24	14-Mar-24	-79		0%	0%	Task Dependent		KTE4						_					
4-4585d	53 - Final pour for the wall W5 to W7 after temp steel deck removal	52	24-Jun-24	23-Aug-24	22-Mar-24	28-May-24	-73		0%	0%	Task Dependent		KTE-\											
S3 - TTA St	tage 4 (Box Section Bay 4 & 5 and Ramp E7-E4)	173	30-Jan-24 A	22-Aug-24	16-Oct-23	27-Sep-26	631	40.00			Dependent													
ELS for Un	derpass	40	30-Jan-24 A	22-Feb-24 A	16-Oct-23	27-Sep-26		4.00																
4.4642	S3 - (Bay 4b/5/E7) Exavation down to final formation level	10	30-Jan-24 A	01-Feb-24 A	16-Oct-23	16-Oct-23		2.00	100%	100%	Task		KTE-											
1-1613-6	S3 - (Bay E6) Excavation down to final formation level	4	30-Jan-24 A	22-Feb-24 A	02-Dec-23	02-Dec-23		2.00	100%	100%	Dependent Task		KTE-1											
4-4642-1	\$3 - (Bay 4b/5/E7) PMI-668 - replacement of soft material	13	01-Feb-24 A	20-Feb-24 A	27-Sep-26	27-Sep-26			100%	100%	Dependent Task		KTE-1											
RC Strucut	tres	140	21-Feb-24 A	26-Jul-24	16-Oct-23	26-Sep-26	654	28.00			Dependent													
Box Secti	ons		21-Feb-24 A	01-Jun-24	16-Od-23	23-Nov-23		6.00																
Bay B4B	(L=12m)	97	21-Feb-24 A	04-Jun-24	16-Oct-23	23-Nov-23	-151	3.00																
4.4644	S3-B4B - Consturct Base slab	12	21-Feb-24 A	11-Mar-24 A	16-Oct-23	16-Oct-23		1.00	100%	100%	Task		KTE-1											
4-4546	S3-B1B- Consturt: External Wall	29	12-Mar-24 A	29-Apr-24	16-Od-23	19-Od-23	-151	1.00	86.21%	0%	Dependent Task		KTE4											
4-4648	S3-B4B - Consturct Top Slab	29	30-Apr-24	04-Jun-24	20-Oct-23	23-Nov-23	-151	1.00	0%	0%	Dependent Task		KTE-\					-						
Bay B5 (L=12m)	85	21-Feb-24 A	04-Jun-24	16-Oct-23	23-Nov-23	-151	3.00			Dependent		-						· · · · · ·			•		
4-4650	S3-85 - Consturd: Base slab	12	21-Feb-24 A	11-Mar-24 A	16-Od-23	16-Od-23		1.00	100%	100%	Task		KTE-1											
4-4652	S3-85 - Consturct External Wall	29	12-Mar-24 A	29-Apr-24	16-Oct-23	19-Oct-23	-151	1.00	86.21%	100%	Dependent Task		KTE-1											
4.4654	S3-85 - Consturct Top Slab	25	30-Apr-24	04-Jun-24	20-Oct-23	23-Nov-23	-151	1.00	0%	0%	Dependent Task		KTE-1					_						
Ramp E7	to E5,E4	110	19-Mar-24 A	26-Jul-24	02-Dec-23	26-Sep-26	654	22.00			Dependent													
Bay E7		46	08-Apr-24 A	24-Jun-24	08-Aug-26	26-Sep-26	681	6.00																
4-4656	53-E7 - Construct Base slab			19-Apr-24 A		08-Aug-26		2.00	100%	100%	Task		KTE-4											
4-4657	S3-E7 - Construct Side Wall 1st pour	28	03-May-24	05-Jun-24	08-Aug-26	09-Sep-26	681	2.00	0%	0%	Dependent Task	-	KTE-A					_						
4-4658	S3-E7 - Construct Side Wall	15	06-Jun-24	24-Jun-24	10-Sep-26	26-Sep-26	681	2.00	0%	0%	Dependent Task		KTE-1											
Bay E6			21-Mar-24 A		02-Dec 23	13-Jan-24	-109	6.00			Dependent													
4-4660	S3-E6 - Construct Base slab	18	21-Mar-24 A	06-Apr-24 A	02-Dec-23	02-Dec-23		2.00	100%	100%	Task		KTE-1						·					
4-4661	S3-E6 - Construct Side Wall 1st pour		25-4pr-24	14-May-24	02-Dec-23	20-Dec-23	-111	2.00	0%	0%	Dependent Task	-	KTE4			_								
4-4662	53-E6 - Construct Side Vial		16-May-24		23-Dec-23	13-Jan-24	-109	2.00	0%	0%	Dependent Task	-	KTE-4											
											Dependent													_
Curreni Curreni Actual Catical Catical	Work Centra Remaining Work	al Kowlo				st (Mont ing Prog			e) (Re	v50- C	SD)		Baseline Layout:	ID: KTE-WP50_M60 e: KTE - 3 Months Rolling ASK filters: 3 Months R		- Submissi	ion.	-	Date 25-Sep-23 25-Oct-23 25-Nov-23 25-Deo-23 25-Deo-23 25-Feb-24	Submit CSD Submit CSD Submit CSD CSD Progra	Revision Programme Re Programme Re Programme Re Inne Rev 48wi	w 44wth M53 I w 45wth M54 I w 46wth M55 I w 47wth M56 I h M57/58 Mon	Aon TYY Aon TYY Aon TYY Hy TYY	
													Page 7 (of 20				t	25-Mar-24 25-Apr-24	CSD Progra	mme Rev 49 vi	h M59 Monthly h M60 Monthly	Up TYY	

/ID	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical	TRA (Day)	Complete	Physical % Complete	Activity Type	Const	2	4 31 07 14 21 2	61 8 06 12	18 26	02 09	62	3 30 0	63 14 21	28 04	64	
Bay E5		81	25-Mar-24 A	26-Jul-24	02-Dec-23	19-Mar-24	-103	4.00							00 12	10 20	J. 03			14 21			
4-4664	S3-E5 - Construct Base slab	20	25-Mar-24 A	13-Apr-24 A	02-Dec-23	02-Dec-23		2.00	100%	100%	Task Dependent		CTEA										
4-4656	S3-E5 - Construct Side Wall	30	21-Jun-24	26-Jul-24	07-Feb-24	19-Mar-24	-103	2.00	0%	0%	Task Dependent		CTE-1					-			¢		
Bay E4		78	19-Mar-24 A	28-Jun-24	02-Dec-23	09-Mar-24	-88	6.00			Departicent												
4-4692	S3-E4 - Construct Base slab	18	19-Mar-24 A	12-Apr-24 A	02-Dec-23	02-Dec-23		2.00	100%	100%	Task Dependent		CTEA										
4-4693	S3-E4 - Construct Side Wall 1st pour	16	13-May-24	31-May-24	19-Dec-23	09-Jan-24	-111	2.00	0%	0%	Task		(TE-1										
4-4694	53-E4 - Construct Side Wall	16	01-Jun-24	20-Jun-24	10-Jan-24	27-Jan-24	-111	2.00	0%	0%	Dependent Task		CTE4					_					
4-4694A	S3-E4 - gaining concrete strength prior to sign gantry credion (assume early	7	21-Jun-24	28-Jun-24	02-Mar-24	09-Mar-24	-88		0%	0%	Dependent Task		CTEA					_			†		
Miscellaneous	strength) s Works	66	05-Jun-24	22-Aug-24	24-Nov-23	19-Apr-24	-103	8.00			Dependent												
4-4668	53 - Box Section Baddfiling upto GL	16	i 05-Jun-24	24-Jun-24	24-Nov-23	12-Dec-23	-151	5.00	0%	0%	Task		CTE4				_						
4-4668A	53 - Box Section - preparation for TTA 4.2A	4	20-Jun-24	24-Jun-24	08-Dec-23	12-Dec-23	-151		0%	0%	Dependent Task		CTE-1					-					
4-4670	S3 - Ramp E5-E7 Baddfiling upto GL	23	27-Jul-24	22-Aug-24	20-Mar-24	19-Apr-24	-103	3.00	0%	0%	Dependent Task		(TE-A										
S3 - TTA Stag	e 4 (Ramp E3-E1)		25-Apr-24	24-Aug-24	13-Nov-23	19-Mar-24	-128	19.00			Dependent		-										
ELS for Under		45		19-Jun-24	13-Nov-23	06-Jan-24	-128	7.00															
4-4682	s3 - Install cofferdam;	15		13-May-24	13-Nov-23	29-Nov-23	-128	2.00	0%	0%	Task		CTE-A										
4-4686	53 - Excavation down to 0.5m below 1st walling & strut; install walling & strut;		14-May-24	28-May-24	30-Nov-23	13-Dec-23	-128	2.00	0%	0%	Dependent		CTE-1										
4.4688	53 - Excavation down to 0.5m below 2nd waling & strut; install waling & strut;		29-May-24	14-Jun-24	14-Dec-23	02-Jan-24	-128	2.00	0%	0%	Dependent		CTE-4										
4-4690	S3 - Excavation down to 0.5/m beave and waining to study instant waining to study S3 - Excavation down to final formation level	4		19-Jun-24	03-Jan-24	06-Jan-24	-128	1.00	0%	0%	Dependent		CTE-4					<u> </u>					
RC Structures			20-Jun-24	24-Aug-24	08-Jan-24	19-Mar-24	-128	12.00	0.98	010	Dependent												
Ramp E3 to E		50	205011-24	2790927	0008124	19198-24	-120	12.00															
		56	20-Jun-24	24-Aug-24	08-Jan-24	19-5eb-24	-128	4.00															
Bay E3																							
4-4696	S3-E3 - Construct Base slab		20-Jun-24	06-Jul-24	08-Jan-24	23-Jan-24	-128	2.00	0%	0%	Task Dependent		CTE-1										
4-4698	53-E3 - Construct Side Wall		08-Jul-24	22-Jul-24	29-Jan-24	19-Feb-24	-124	2.00	0%	0%	Task Dependent		CTE-1										
Bay E2		27		07-Aug-24	24-Jan-24	01-Mar-24	-126	4.00															
4-4700	\$3-E2 - Construct Base slab	15		24-Jul-24	24-Jan-24	09-Feb-24	-128	2.00	0%	0%	Task Dependent		CTE-4										
4-4702	S3-E2 - Construct Side Wall		25-Jul-24	07-Aug-24	20-Feb-24	04-Mar-24	-126	2.00	0%	0%	Task Dependent	'	CTE-1										
Bay E1		27		24-Aug-24	17-Feb-24	19-Mar-24	-128	4.00															
4-4704	\$3-E1 - Construct Base slab	14		09-Aug-24	17-Feb-24	04-Mar-24	-128	2.00	0%	0%	Task Dependent		CTE-1										
4-4706	S3-E1 - Construct Side Vial	13	10-Aug-24	24-Aug-24	05-Mar-24	19-Mar-24	-128	2.00	0%	0%	Task Dependent	1	CTE-1										1
Sch_5A Retain	ning Walls and At-grade Road Works	459	25-May-23 A	10-Dec-24	17-Aug-23	27-Sep-26	540	313.00															
Retaining Wa	ils	232	16-Jan-24 A	23-Sep-24	18-Oct-23	10-0a-24	-15	98.00															
RW-S1-a		45	12-Mar-24 A	30-Mar-24 A	21-Feb-24	11-Mar-24		4.00															
5A-5012	RW-S1-a - Fill upto formation level	28	12-Mar-24 A	25-Mar-24 A	21-Feb-24	21-Feb-24		4.00	100%	100%	Task Dependent	1	CTE-1										
5A-5012a	RW-S1-a - Sign Gnatry footing pinth (G22 1 no)	14	12-Mar-24 A	30-Mar-24 A	11-Mar-24	11-Mar-24			100%	100%	Task Dependent		CTE-4	-									
RW-S1		158	03-Feb-24 A	19-Jul-24	26-Oct-23	18-Jan-24	-143	0.00															
Retaining Wa	all	158	03-Fub-24 A	19-Jul-24	26-0d-23	18-Jan-24	-143	0.00															
54-5061a	RW-S1 - erection of parapet wall	52	03-Feb-24 A	27-Jun-24	26-Oct-23	27-Dec-23	-143		0%	0%	Task Dependent		CTE-4										
5A-5061b	RW-S1 - Temporary road pavement for KCR TTA Stage 3.1	18	28-Jun-24	19-Jul-24	28-Dec-23	18-Jan-24	-143		0%	0%	Task Dependent		CTE-1										
	_ ·										_ spra rare ft				1								
Current Mic			_											ID: KTE-WP50_M60				Date 25-Sep-23		Revision Programme Rev			ŝ
Adual Work	* Central K	owlo							e) (Re	v50- C	SD)		aseline: avout: k	e: KTE - 3 Months Rolling Program	nme			25 Oct 23 25 Nov-23	Submit CSE Submit CSE	Programme Rev Programme Rev	45wth M54 Mc 46wth M55 Mc	n TYY n TYY	-
Bemaining)			Th	ree Mon	th Rolli	ng Prog	gram	me						ASK filters: 3 Months Rolling_1,		ssion.		25-Deo-23 25-Feb-24	Submit CSD	Programme Rev rime Rev 48with	47wth M56 Mc	n IYY	_
																		6 Feb 24 6 Mar 24	Cab Pilogra	nme Nev 48with nme Rev 49 with	worron monthly		-

	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical	TRA (Dey)	Activity % Complete	Physical % Complete	Activity Type	Prima WBS Const	24 2	7,01 60	14 24	28 04	61 12 10	1 26 1 0	62 2 09 1 4	6 23	30 1 07 1	63 14 21	28 04 1 1	64 1 18
RW-S1/S2		108	25-Feb-24 A	02-Sep-24	18-Oct-23	11-Mar-24	-142	13.00						0/		20 00	16 10	20 0	00	0 23	34 07	14 21	20 04 1	10
RW-S1/S2 (str	age 1- after TTA stage 2.1)	108	25-Apr-24	02-Sep-24	14-Dec-23	11-Mar-24	-142	4.00																
5A-5072	RW-S1/S2 - Construct Base Slab (Bay 5)	14	25-Apr-24	11-May-24	14-Dec-23	02-Jan-24	-101	1.00	0%	0%	Task	KTE-	·											
5A-5070	RW-S1/S2 - Construct Wall (Bay 7)	14	16-Jul-24	31-Jul-24	16-Jan-24	31-Jan-24	-142	1.00	0%	0%	Dependent Task	KTE-											•	
5A-5074	RW-51/S2 - Construct Wall (Bay 6)	14	01-Aug-24	16-Aug-24	01-Feb-24	23-Feb-24	-142	1.00	0%	0%	Dependent Task	KTE-												
5A-5078	RW-S1/S2 - Construct Wall (Bay 5)	14	17-Aug-24	02-Sep-24	24-Feb-24	11-Mar-24	-142	1.00	0%	0%	Dependent Task Dependent	KTE-												-
RW-S1/S2 (stz	age 2- after TTA stage 3)	92	25-Fgb-24 A	02-Sep-24	18-Od-23	11-Mar-24	-1.42	9.00			Departuent													
5A-5062a	RW-51/S2 - Excavation down to formation level +4.8/+7.25	7	25-Feb-24 A	20-May-24	18-Od-23	10-Nov-23	-149	1.00	0%	0%	Task Dependent	KTE-	-	-	-									
5A-5088	RW-S1/S2 - Construct Base Slab (Bay 1)	14	21-May-24	05-Jun-24	11-Nov-23	27-Nov-23	-149	1.00	0%	0%	Task	KTE-												
5A-5084	RW-S1/S2 - Construct Base Slab (Bay 2)	14	06-Jun-24	22-Jun-24	28-Nov-23	13-Dec-23	-149	2.00	0%	0%	Dependent Task	KTE-								-				
5A-5080	RW-S1/S2 - Construct Base Slab (Bay 3)	14	24-Jun-24	10-Jul-24	14-Dec-23	02-Jan-24	-149	1.00	0%	0%	Dependent Task	KTE-									<u> </u>			
5A-5090	RW-S1/S2 - Construct Wall (Bay 2)	14	24-Jun-24	10-Jul-24	03-Jan-24	18-Jan-24	-135	1.00	0%	0%	Dependent Task	KTE-									_			
5A-5092	RW-S1/S2 - Construct Wall (Bay 1)	14	24-Jun-24	10-Jul-24	24-Feb-24	11-Mar-24	-96	1.00	0%	0%	Dependent Task	KTE-												
5A-5076	RW-51/S2 - Construct Base Slab (Bay 4)	14	11-Jul-24	26-Jul-24	03-Jan-24	18-Jan-24	-149	1.00	0%	0%	Dependent Task	KTE-												
5A-5082	RW-S1/S2 - Construct Wall (Bay 4)	14	17-Aug-24	02-Sep-24	24-Feb-24	11-Mar-24	-142	1.00	0%	0%	Dependent Task	KTE-												_
RW-S2			25-Apr-24	13-Sep-24	28-Nov-23	16-Apr-24	-125	4.00			Dependent													
5A-5120	RW-S2 - Fill up to formation level (SPT)	28	25-Apr-24	29-May-24	20-Feb-24	22-Mar-24	-52	4.00	0%	0%	Task	KTE-						<u> </u>						
5A-5427a-1	RW-S2 - Construct Top slab (Bay 0a)- 1st pour with TCSS	24		24-May-24	28-Nov-23	27-Dec-23	-115		0%	0%	Dependent Task	KTE-												
5A-5427c-1	RW-S2 - Construct Top slab (Bay 1)- 1st pour with TCSS	24	25-Apr-24	24-May-24	28-Dec-23	25-Jan-24	-91		0%	0%	Dependent Task	KTE-												
5A-5427b-1	RW-S2 - Construct Top slab (Bay 0b)- 1st pour with TCSS	24	25-May-24	22-Jun-24	28-Dec-23	25-Jan-24	-115		0%	0%	Dependent Task	KTE-												
54-5429	RW-S2 - Parapet installation completion of TCSS (BEM)		24-Jun-24	05-Aug-24	26-1an-24	14-Mar-24	-115		0%	0%	Dependent Task	KTE-											_	
5A-5427	RW-S2 - excavate after TTA KCR stage 3.1 implementation	24	20-Jul-24	16-Aug-24	09-Feb-24	14-Mar-24	-125		0%	0%	Dependent Task	KTE-												-
5A-5427a	RW-52 - Construct Top slab (Bay 0a)- final pour		17-Aug-24	13-Sep-24	15-Mar-24	16-Apr-24	-125		0%	0%	Dependent	KTE-												
RW-54	ter an enterner replace (any only reached)		18-Mar-24 A	22-Jun-24	12-Jan-24	14-Mar-24	-79	0.00			Dependent													
5A-5168a	RW-S4 - Paramet installation ind. TCSS duct		18-Mar-24 A	22-Jun-24	12-Jan-24	14-Mar-24	-79	0.00	0%	0%	Task	KTE-								_				
RW-S4-a			06-Apr-24 A	20-Jun-24	02-Jap-24	08-Feb-24	-101	7.00	•.•	•.•	Dependent													
5A-5170	RW-54-a - Excavation down to formation level +3.3/+5.0		06-Apr-24 A	10-Apr-24 A	02-Jan-24	02-Jan-24		1.00	100%	100%	Task	KTE-		<u> </u>										
5A-5174	RW-S4-a - Construct Base Slab (Bay 1)		13-Apr-24 A	20-May-24	02-Jan-24	09-Jan-24	-101	1.00	0%	0%	Dependent Task	KTE-			_		_							
5A-5178	RW-54-a - Construct Wall (Bay 1)		21-May-24	25-May-24	12-Jan-24	17-Jan-24	-99	1.00	0%	0%	Dependent Tæk	KTE-					_							
5A-5182	RW-54-a - Construct Base Slab (Bay 3)	7	21-May-24	28-May-24	10-Jan-24	17-Jan-24	-101	1.00	0%	0%	Dependent Task	KTE-						<u> </u>						
5A-5182	RW-S4-a - Construct Wall (Bay 3)	5	29-May-24	03-Jun-24	18-Jan-24	23-Jan-24	-101	1.00	0%	0%	Dependent	KTE-												
5A-5186	RW-S4-a - Bi uoto formation level		04-Jun-24	20-Jun-24	24-Jan-24	08-Feb-24	-101	2.00	0%	0%	Dependent	KTE-						T.						
RW-57			16-Jan-24 A	05-Jul-24	08-Jan-24	08-Feb-24	-113	4.00	0.18	0.10	Dependent	NIE-												
5A-5216	RW-S7 - Fill upto formation level		16-Jan-24 A	05-3ul-24	08-Jan-24	08-Feb-24	-113	4.00	0%	0%	Task	KTE-									_			
BW-57/58			25-Apr-24	29-May-24	22-Jan-24	29-Feb-24	-71	4.00	0.0	0.0	Dependent	NIL-												
5A-5234	RW-57/S8 - Fill upto formation level	20		29-May-24	22-Jan-24	29-Feb-24	-71	4.00	0%	0%	Task	KTE-												
RW-S7/S8-a			25%pr24	16-Jul-24	09-Feb-24	25-Feb-24	-113	3.00	0.0	0.0	Dependent	NIE-												
5A-5240	RW-57/S8-a - Construct Base Slab (Bay 1)		06-Feb-24 A			09-Feb-24	-115		100%	100%	Task	KTE-												
375240	www.sysona - continuer page and (pay 1)	′	55780/24 A	20100/24 8	V710/29	09460-24		1.00	100-40	100-26	Dependent	KIE-												
Unrent Miesie	one											Proie	ct ID: KTF	-WP50 M	60				25-Se	Date	heat (200 Pro	Revision	dth M53 Mon 1	Cheded
Adual Work	Centr	al Kowlo							e) (Re	v50- C	SD)	Base	line:	-					25-0s 25-0s	1/23 Su	bml CSD Pro		dh M54 Mon 1	
Chical Remain			Thr	ee Mon	th Rolli	ing Prog	ramn	ne						3 Months R ers: 3 Mont			Submission.		25-De	o-23 Su	bmit CSD Pro	gramme Rev 47v	rth M66 Mon 1	
																·····			25 Fel 25 Ma				58 Monthly 1 MonthlyUp 1	

ID	Activity Name	Orig D	r Stat	Finish	Late Start	Late Finish	Total Fical	TRA (Day)	Activity % Complete	Physical % Complete	Activity Type	Prima WBS Const	3 April 60 24 31 07 14	21 28 05	May 61 12 18 2	6 02 09	82 16 23	30 07	ly 3 14 21 28	Aug 64	18
5A-5244	RW-S7/S8-a - Construct Wal (Bay 1)	1	2 04-Mar-24 A	11-Apr-24 A	09-Feb-24	09-Feb-24		1.00	100%	100%	Task Dependent	KTE-			10 0	0. 03	0 10		20		10 2
5A-5256	RW-S7/S8-a - Fill upto formation level		9 06-Jul-24	16-Jul-24	09-Feb-24	26-Feb-24	-113	1.00	0%	0%	Task Dependent	KTE-	4					—			
RW-S8-b		2	0 01-Jun-24	25-Jun-24	05-Jan-24	27-Jan-24	-115	2.00			oprovine and										
5A-5265c	RW-58-b - Construct Wall (RW-58-b2) (2 Lifts)	2	0 01-Jun-24	25-Jun-24	05-Jan-24	27-Jan-24	-115	2.00	0%	0%	Task Dependent	KTE-	4								
RW-S8		3	5 01-Jun-24	13-Jul-24	29-Dec-23	08-Feb-24	-120	5.00													
5A-5276	RW-58 - Construct Base Slab (Bay 6)		7 01-Jun-24	08-Jun-24	01-Feb-24	08-Feb-24	-9 2	1.00	0%	0%	Task Dependent	KTE-	4			<u> </u>					
5A-5280	RW-58 - Construct Wall (Bay 6)		5 01-Jun-24	06-Jun-24	29-Dec-23	04-Jan-24	-120	1.00	0%	0%	Task	KTE-	4								
5A-5282	RW-58 - Fill upto formation level	3	0 07-Jun-24	13-Jul-24	05-Jan-24	08-Feb-24	-120	3.00	0%	0%	Task Dependent	KTE-	4			_		_			
RW-S9		4	5 01-Aug-24 A	23-Sep-24 A	04-Sep-24	04-Sep-24		4.00													
Stage 2 (Afte	er Kai Fuk Road WB open to Public)		5 01-Aug-24 A	23-Sep-24 A	04-Sep-24	04-Sep-24		4.00													
5A-5332	RW-59 - Construct Wall (Bay 6)	1	0 01-Aug-24 A	21-Aug-24 A	04-5ep-24	04-Sep-24		2.00	100%	100%	Task Dependent	KTE-	4							-	-
5A-5334	RW-S9 - Construct Well (Bay 5)	1	0 22-Aug-24 A	23-Sep-24 A	04-Sep-24	04-Sep-24		2.00	100%	100%	Task Dependent	KTE-	4								-
RW-CKR		2	5 01-Aug-24	29-Aug-24	24-Jan-24	28-Feb-24	-149	4.00			Departuent										
RW-CKR-a			5 01-Aug-24	29-Aug-24	24-Jan-24	28-Fcb-24		4.00													
5A-5336	RW-CKR-a - Excavation down to formation level +7.5		4 01-Aug-24	05-Aug-24	24-Jan-24	27-Jan-24	-149	1.00	0%	0%	Task Dependent	KTE-	4							.	
5A-5338	RW-CKR-a - Plate Load Test and Report	1	4 06-Aug-24	21-Aug-24	29-Jan-24	20-Feb-24	-149	2.00	0%	0%	Task	KTE-	4								-
5A-5340	RW-CKR-a - Construct Base Slab		7 22-Aug-24	29-Aug-24	21-Feb-24	28-Feb-24	-149	1.00	0%	0%	Dependent Task	KTE-	A								-
RW-CKRW		6	1 27-Feb-24 A	07-Jun-24	18-Jan-24	06-Mar-24	-74	11.00			Dependent										
5A-5372	RW-CKRW - Excavation down to formation level +5.2/+5.9		7 27-Feb-24 A	28-Feb-24 A	18-Jan-24	18-Jan-24		1.00	100%	100%	Task Dependent	KTE-	4								
5A-5374	RW-CKRW - Plate Load Test and Report	1	4 29-Feb-24 A	04-Mar-24 A	18-Jan-24	18-Jan-24		2.00	100%	100%	Task	KTE-	4								
5A-5376	RW-CKRW - Construct Base Slab (Bay 1)		7 05-Mar-24 A	25-Mar-24 A	18-Jan-24	18-Jan-24		1.00	100%	100%	Task	KTE-	4								
5A-5378	RW-CKRW - Construct Base Slab (Bay 2)		7 05-Mar-24 A	25-Mar-24 A	24-Jan-24	24-Jan-24		1.00	100%	100%	Dependent Task	KTE-	4								
5A-5384	RW-CKRW - Construct Wall (Bay 2)	1	2 26-Mar-24 A	11-Apr-24 A	01-Feb-24	01-Feb-24		1.00	100%	100%	Dependent Task	KTE-	4								
5A-5380	RW-CKRW - Construct Wall (Bay 1)	1	2 25-Apr-24	09-May-24	18-Jan-24	31-Jan-24	-74	1.00	0%	0%	Dependent Task	KTE-	4								
5A-5382	RW-CKRW - Construct Base Slab (Bay 3)		7 25-Apr-24	03-May-24	24-Jan-24	31-Jan-24	-69	1.00	0%	0%	Dependent Task	KTE-	4								
5A-5386	RW-CKRW - Construct Wall (Bay 3)	1	2 10-May-24	24-May-24	01-Feb-24	21-Feb-24	-74	1.00	0%	0%	Dependent Task	KTE-	4								
5A-5388	RW-CKRW - Fill upto formation level	1	2 25-May-24	07-Jun-24	22-Feb-24	06-Mar-24	-74	2.00	0%	0%	Dependent Task	KTE-	4			-					
RW-CKRW-a		7	0 02-Feb-24 A	29-Jul-24	11-Mar-24	10-May-24	-65	13.00			Dependent										
5A-5390	RW-CKRW-a - Excavation down to formation level +3.3/+5.0		7 02-Feb-24 A	16-Feb-24 A	11-Mar-24	11-Mar-24		1.00	100%	100%	Task	KTE-	4								
5A-5392	RW-CKRW-a - Plate Load Test and Report	1	4 17-Feb-24 A	22-Feb-24 A	11-Mar-24	11-Mar-24		2.00	100%	100%	Dependent Task	KTE-	4								
5A-5394	RW-CKRW-a - Construct Base Slab (Bay 1)		7 23-Feb-24 A	06-Mar-24 A	11-Mar-24	11-Mar-24		1.00	100%	100%	Dependent Task	KTE-	4								
5A-5396	RW-CKRW-a - Construct Base Slab (Bay 2)		7 23-Feb-24 A	25-Mar-24 A	25-Mar-24	25-Mar-24		1.00	100%	100%	Dependent Task	KTE-	4								
5A-5400	RW-CKRW-a - Construct Base Slab (Bay 3)		7 26-Feb-24 A	12-Mar-24 A	12-Apr-24	12-Apr-24		1.00	100%	100%	Dependent Task	KTE-	4								
5A-5398	RW-CKRW-a - Construct Wall (Bay 1)	1	2 23-Mar-24 A	09-May-24	11-Mar-24	23-Mar-24	-35	1.00	0%	0%	Dependent Task	KTE-	4								
5A-5404	RW-CKRW-a - Construct Wall (Bay 3)	1	2 03-Apr-24 A	15-Jul-24	12-Apr-24	25-Apr-24	-65	1.00	0%	0%	Dependent Task	KTE-	4								
5A-5402	RW-CKRW-a - Construct Wall (Bay 2)	1	2 05-Apr-24 A	24-May-24	25-Mar-24	11-Apr-24	-35	1.00	0%	0%	Dependent Task	KTE-	4								
5A-5406	RW-CKRW-a - Fill upto formation level	2	8 26-Jun-24	29-Jul-24	08-Apr-24	10-May-24	-65	4.00	0%	0%	Dependent Task	KTE-									
Slope Feature		12	0 25-Apr-24	16-Sep-24	09-Jan-24	10-0d-24	19	20.00			Dependent										
																					<u> </u>
Current Mic		tral Kowlo	on Rout	e - Kai 1	Tak Eas	st (Mont	h 60 I	Indate) (Re	v50- C	SD)	Proje Basel	ect ID: KTE-WP50_M60 sline:			2	Date 5-Sep-23 Su 5-Od-23 Su	iomt CSD Progra	Revision amme Rev 44wth amme Rev 45wth	M53 Mon TYY	Y D
Citical Rem	raining Work					ing Prog			,, (i.e		,	Layor	ut: KTE - 3 Months Rollin : TASK filters: 3 Months F		Submission.		54kov-23 Su 54Deo-23 Su 54Feb-24 CS	iomit CSD Progra iomit CSD Progra 3D Programme P	ammo Rev 46with amme Rev 47with lev 48with M57/5i	M55 Mon TYN M55 Mon TYN 1 Monthly TYN	Y H Y H Y H
												_	e 10 of 20			2	6Mar-24 CS	SD Programme F	lav 49 with M59 M lav 50 with M60 M	fonthly Up Tri	Y H

ID	Activity Name	Orig Dur	GLBR	P man	Late Start	Late Finish	Total Fical	TRA (Day)	Activity % Complete	Physical % Complete	samp type	Const		60	1 24 1 4	1 65 1	61	60 L (*	62	0 1 0/		63		6	A
5A-5414	52 - Reinstate the Slope Feature 11NE-C/P92 (loop road)	70	25-Apr-24	19-Jul-24	09-Jan-24	10-Apr-24	-82	10.00	0%	0%	Task	KTE-	24 31	07 14	21 28	05	12 19	26 02	06 .	6 23	30 07	14	21 28	04 11	÷
Slope Featu	re 11NE-C/F89 (underneath S1/S9)	120	25-Apr-24	16-Sep-24	09-Jan-24	10-0d-24	19	10.00			Dependent														
10-8670a	S9 - Reinstate the Slope Feature 11NE-C/F89 (1D to 9A) - Area 2		25-Apr-24	08-Jul-24	09-Jan-24	25-Mar-24	-82		0%	0%	Task	KTE-				1 1									
10-8670d	59 - Reinstate the Slope Feature 11NE-C/F89 (9C to 9D) - Area 5		16-May-24	26-Jul-24	31-Jul-24	10-Oct-24	63		0%	0%	Dependent	KTE-					-						_		÷
											Dependent							-							
10-8670b	59 - Reinslate the Slope Feature 11NE-C/F89 (9A to 9B) - Area 3		01-Jun-24	12-Aug-24	20-Feb-24	04-May-24	-82		0%	0%	Task Dependent	KTE-												1	
10-8670	S9 - Reinstate the Slope Feature 11NE-C/F89 (1E to 1D) - Area 1	60	09-Jul-24	16-Sep-24	31-Jul-24	10-Oct-24	19	10.00	0%	0%	Task Dependent	KTE-													T
10-8670c	59 - Reinstate the Slope Feature 11NE-C/F89 (9B to 9C) - Area 4	60	09-Jul-24	16-Sep-24	12-Apr-24	24-Jun-24	-71		0%	0%	Task Dependent	KTE-									-	1 1		-	-
Road Works		459	25-May-23 A	10-Dec-24	17-Aug-23	27-Sep-26	540	215.00																	
Pre-fabricati	on of Sign Gantries/Sign face/Kiosks	390	10-Jul-23 A	15-Nov-24	17-Aug-23	27-Sep-26	561	0.00																	
Sign Gantry	- Shop Drawings Preparation, Approval and Fabrication - G22		01-Mar-24 A	26-Jul-24	19-Jan-24	09-Mar-24		0.00																	
SG-G22-C	Sign Gantry - Material Testing - G22	36	01-Mar-24 A	14-Mar-24 A	19-Jan-24	19-Jan-24			100%	100%	Task	KTE-													÷
SG-G22-D1	Sign Gantry - Fabrication - G22 (Column-left; early access for Key Date A)	20	15-Mar-24 A	01-Apr-24 A	19-Jan-24	19-Jan-24			100%	100%	Dependent Task	KTE-													
5G-G22-D2	Sign Gantry - Fabrication - G22 (Mainframe+column right)		12-Jun-24	26-Jul-24	19-Jan-24	09-Mar-24	-111		0%	0%	Dependent Task	KTE-													
			08.14.1.24.4	11.100.24	15 1-24	22.5 26	(07)	0.00			Dependent												_		÷
Sign Gantry		50	001%(F24 A	11-Jun-24	15-341-24	27-549-20	092	0.00																	
SG-G23-C	Sign Gantry - Material Testing - G23			14-Mar-24 A	27-Sep-26	27-Sep-26			100%	100%	Task Dependent	KTE-													÷
SG-G23-D1	Sign Gantry - Fabrication - G23 (Column-left; early access for Key Date A)	20	15-Mar-24 A	05-Apr-24 A	27-Sep-26	27-Sep-26			100%	100%	Task Dependent	KTE-													
5G-G23-D2	Sign Gantry - Fabrication - G23 (Mainframe+column right)	38	25-Apr-24	11-Jun-24	15-Jan-24	05-Mar-24	-77		0%	0%	Task Dependent	KTE-							-						
Sign Gantry	- Shop Drawings Preparation, Approval and Fabrication - G37	38	07-Mar-24 A	11-Jun-24	02-Dee-23	18-Jan-24		0.00																	
SG-G37-A1	Sign Gantry - Prepare Shop drawing for G37 (Resubmission due to site issue ; PMI:XXX)	20	07-Mar-24 A	14-Mar-24 A	02-Dec-23	02-Dec-23			100%	100%	Task Dependent	KTE-													÷
SG-G37-D1	Sign Gantry - Fabrication - G37 (Column-left; early access for Key Date A)	20	15-Mar-24 A	01-Apr-24 A	02-Dec-23	02-Dec-23			100%	100%	Task	KTE-	-												
SG-G37-D2	Sign Gantry - Fabrication - G37 (Mainframe+column right)	38	25-Apr-24	11-Jun-24	02-Dec-23	18-Jan-24	-111		0%	0%	Dependent Task	KTE-						-							
Sign Gantry	- Shop Drawings Preparation, Approval and Fabrication - G35	52	05-Dec-23 A	20-May-24	09-Feb-24	09-Mar-24	-55	0.00			Dependent														
SG-G35-D	Sign Gantry - Fabrication - G35 (longer duration due to reseugnding for Key	52	05-Dec-23 A	20-May-24	09-Feb-24	09-Mar-24	-55		61.54%	0%	Task	KTE-				1 1	_								
San Canha	Date A handover) - Shop Drawings Preparation, Approval and Fabrication - G41	56	20.155.24.5	25-300+24	28-Aug-72	35.500.27	.101	0.00			Dependent														
Sign Ganuy			20 1-2 24 4	20.54.24.4	201009-20	20100723	1.51	0.00	1000/	100%	Task	Letter 1													
SG-G41-C	Sign Gantry - Material Testing - G41			29-Feb-24 A	· ·				100%		Dependent	KTE-		_											
SG-G41-D1	Sign Gantry - Fabrication - G41 (Column-left; early access for Key Date A)		16-Apr-24 A		28-Aug-23	05-Sep-23	-191		60%	0%	Task Dependent	KTE-													
SG-G41-D2	Sign Gantry - Fabrication - G41 (Mainframe+column right)	38	16-Apr-24 A	25-May-24	06-Sap-23	25-5ep-23	-191		55.26%	0%	Task Dependent	KTE-		-											
SG-G72-C	Sign Gantry - Material Testing - G72	36	10-Feb-24 A	02-Mar-24 A	09-Sep-23	09-Sep-23			100%	100%	Task Dependent	KTE-													Ť
5G-G72-D1	Sign Gantry - Fabrication - G72 (Column-left; early access for Key Date A)	20	24-Apr-24 A	20-May-24	09-5ap-23	04-Od-23	-180		0%	0%	Task Dependent	KTE-				+ +	-								
SG-G72-D2	Sign Gantry - Fabrication - G72 (Mainframe+column right)	32	13-May-24	20-Jun-24	13-Sep-23	21-Oct-23	-191		0%	0%	Task	KTE-					_	-		•					
Sign Gantry	- Shop Drawings Preparation, Approval and Fabrication - G36	32	20-Apr-24 A	08-Jul-24	26-Jan-24	09-Mar-24	-95	0.00			Dependent														
SG-G36-D1	Sign Gantry - Fabrication - G36 (Column-left; early access for Key Date A)	20	20-Apr-24 A	18-May-24	26-Jan-24	23-Feb-24	-67		5%	0%	Task	KTE-			1.1		_								
SG-G36-D2	Sign Gantry - Fabrication - G36(Mainframe+column right)		30-May-24	08-Jul-24	26-Jan-24	09-Mar-24	-95		0%	0%	Dependent Task	KTE-													
Sign Carter	Shop Drawings Preparation, Approval and Fabrication - G33	32	19.14.22.4	00 Aug 24	17.Aug 22	01.0=22	.199	0.09	0.0	0.0	Dependent	ALC:													
Sign Gahtry		309	13-JUI-23 A	05-00g-24	17-90g-23	01-080-23	-199	0.00	1000		-														
SG-G33-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G33		18-Jul-23 A		17-Aug-23		-251		100%	0%	Task Dependent	KTE-													
SG-G33-C	Sign Gantry - Material Testing - G33		25-Apr-24	07-Jun-24	18-Aug-23	28-Sep-23	-199		0%	0%	Task Dependent	KTE-													
5G-G33-D	Sign Gentry - Febrication - G33	52	08-Jun-24	09-Aug-24	29-Sep-23	01-Dec-23	-199		0%	0%	Task Dependent	KTE-							-	-					
																									_
Current Mi														NP50_M60					25-Se				New 44with ME	3 Mon TY	Chec M
14001110	rk Central Ko	owloo							e) (Re	v50- C	SD)	Basel		donths Roll	ng Program	nme			25-0. 25-N	w-23	Submit CSD F	Programme P	Rev 45with Mit Rev 46with Mit	5 Mon TY	
Remaining	y Weak		Th	ree Mon	tn Roll	ing Prog	gram	ne						s: 3 Months			bmission.		25-04	ю-23	Submit CSD I	Programme F	New 47 with ME	6 Mon TY	ŕY
	1																						with M59 Mon		

ityID	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Float	TRA (Day) A	Activity % Complete	Physical % Complete	a string i ype	Const	60 24 31 07 14 21 28	61 05 12 19	26 02 0	62 G 16 23	30 07 1	4 21 28	64 04 11	
Sign Gantry -	Shop Drawings Preparation, Approval and Fabrication - G42	305	10-Jul-23 A	06-Sep-24	14-Sep-23	02-Jan-24	-199	0.00												1
SG-G42-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G42	90	10-Jul-23 A	25-Apr-24	14-Sep-23	14-Sep-23	-223		100%	0%	Task Dependent	KTE-								
SG-G42-C	Sign Gantry - Material Testing - G42	36	25-Apr-24	07-Jun-24	15-Sep-23	30-Oct-23	-175		0%	0%	Task Dependent	KTE-	4							
5G-G42-D	Sign Gantry - Fabrication - G42	52	09-Jul-24	06-Sep-24	31-Oct-23	02-Jan-24	-199		0%	0%	Task Dependent	KTE-	4							-
Sign Gantry -	Shop Drawings Preparation, Approval and Fabrication - G32	257	18-Jul-23 A	06-Sep-24	14-Sep-23	02-Jan-24	-199	0.00		_										
SG-G32-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G32	90	18-Jul-23 A	25-Apr-24	14-Sep-23	14-Sep-23	-223		100%	0%	Task Dependent	KTE-	4							
5G-G32-C	Sign Gantry - Material Testing - G32	36	25-Apr-24	07-Jun-24	15-Sep-23	30-Oct-23	-175		0%	0%	Task Dependent	KTE-	4							
SG-G32-D	Sign Gantry - Fabrication - G32	52	09-Jul-24	06-Sep-24	31-Od:23	02-Jan-24	-199		0%	0%	Task Dependent	KTE-	4				-			-
Sign Gantry -	Shop Drawings Preparation, Approval and Fabrication - G73	305	18-Jul-23 A	06-Sep-24	14-Sep-23	02-Jan-24	-199	0.00												
SG-G73-B	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G73	90	18-Jul-23 A	25-Apr-24	14-Sep-23	14-Sep-23	-223		100%	0%	Task Dependent	KTE-	4							
5G-G73-C	Sign Gantry - Material Testing - G73	36	25-Apr-24	07-Jun-24	15-5ep-23	30-Oct-23	-175		0%	0%	Task Dependent	KTE-	4							Ē
SG-G73-D	Sign Gantry - Fabrication - G73	52	09-Jul-24	06-Sep-24	31-Oct-23	02-Jan-24	-199		0%	0%	Task Dependent	KTE-	4							-
Sign Gantry -	Shop Drawings Preparation, Approval and Fabrication - FADS-T	136	25-Apr-24	07-Od-24	16-Od-23	30-Jan-24	-199	0.00			- upo ruelit									
SG-T4-C	Sign Face - Material Testing - FADS-T4	36	25-Apr-24	07-Jun-24	16-Oct-23	27-Nov-23	-151		0%	0%	Task	KTE-	4	_						
SG-T4-D	Sign Face - Fabrication - FADS-T4	52	06-Aug-24	07-Oct-24	28-Nov-23	30-Jan-24	-199		0%	0%	Dependent Task	KTE-	4							-
Sign Gantry -	Shop Drawings Preparation, Approval and Fabrication - G62	329	18-Jul-23 A	07-Od-24	15-Oct-23	30-Jan-24	-199	0.00			Dependent									
5G-G62-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths)	90	18-Jul-23 A	25-Apr-24	15-0d-23	15-Oct-23	-192		100%	0%	Task	KTE-	4							
SG-G62-C	- G62 Sign Gantry - Material Testing - G62	36	25-Apr-24	07-Jun-24	16-Oct-23	27-Nov-23	-151		0%	0%	Dependent Task	KTE-	4							
SG-G62-D	Sign Gantry - Fabrication - G62	52	06-Aug-24	07-Oct-24	28-Nov-23	30-Jan-24	-199		0%	0%	Dependent Task	KTE-	4							_
Sign Gantry -	Shop Drawings Preparation, Approval and Fabrication - G61	229	18-Jul-23 A	07-Jun-24	17-Nov-23	02-Jan-24	-123	0.00		_	Dependent									
SG-G61-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths)	90	18-Jul-23 A	25-Apr-24	17-Nov-23	17-Nov-23	-159		100%	0%	Task	KTE-	•							
SG-G61-C	- G61 Sign Gantry - Material Testing - G61	36	25-4pr-24	07-Jun-24	18-Nov-23	02-Jan-24	-123		0%	0%	Dependent Task	KTE-	4							
Sign Gan <u>try -</u>	Shop Drawings Preparation, Approval and Fabrication - G61A	229	18-Jul-23 A	07-Jun-24	13-Nov-23	27-Dec-23	-127	0.00		_	Dependent									
SG-G61A-B	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths)	90	18-Jul-23 A	25-Apr-24	13-Nov-23	13-Nov-23	-163		100%	0%	Task	KTE-	4							
SG-G61A-C	- G61A Sign Gantry - Material Testing - G61A	36	25-4pr-24	07-Jun-24	14-Nov-23	27-Dec-23	-127		0%	0%	Dependent Task	KTE-	4							
Sign Gan <u>try -</u>	Shop Drawings Preparation, Approval and Fabrication - G31	229	18-Jul-23 A	07-Jun-24	16-Jun-26	28-Jul-26	642	0.00			Dependent									ŀ
5G-G31-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths)	90	18-Jul-23 A	25-Apr-24	16-Jun-26	16-Jun-26	783		100%	0%	Task	KTE-	4							
5G-G31-C	- G31 Sign Gantry - Material Testing - G31		25-4pr-24	07-Jun-24	17-Jun-26	28-Jul-26	642		0%	0%	Dependent Task	KTE-								
Sign Gan <u>try -</u>	Shop Drawings Preparation, Approval and Fabrication - G71	169	02-Feb-24 A	15-Nov-24	17-Aug-23	14-Mar-24	-200	0.00			Dependent									
5G-G71-8	Sign Gantry G9 - redesign due to TD additional request on directional sign	90	02-Feb-24 A	23-Feb-24 A	17-Aug-23	17-Aug-23			100%	100%	Task	KTE-	3							
SG-G71-C	face/ITTS (PMI-XXX)- 1st submission Sign Gantry G9 - re-design due to TD additional request on directional sign		24-Feb-24 A		17-Aug-23	23-Aug-23	-200		93.33%	0%	Dependent Task	KTE-								
5G-G71-D	face/TTS (PMI-XXX) - 2nd submission Sign Gantry G9 -Coordination with TD/KTT etc. for phasing arrangement until		03-May-24	15-Jul-24	24-Aug-23	04-Nov-23	-200		0%	0%	Dependent Task	KTE-								
5G-G71-E	commissioning (AMPUY) - 2mths Sign Gantry G9 - Robication	28		16-Aug-24	06-Nov-23	07-Dec-23	-200		0%	0%	Dependent Task	KTE-								
5G-G71-F	Sign Gantry G9 - modify existing G9 and erection (night works) est, 50 no of		17-Aug-24	15-Nov-24	08-Dec-23	14-Mar-24	-200		0%	0%	Dependent	KTE-								1
RSVMS.GDS2	sight works ; 4 hight works per week) 5 cps4		08-Mrr-74-A	17-11-24	10-1-1-26	26.Sep.26	662	0.00	0.0	0.0	Dependent	NIL-								
SG-GDS-02	GDS6 - Fabrication		08-Mar-24 A	17-Jul-24	10-Jul-26	26-5ep-26	662	0.00	0%	0%	Task	KTE-	4				4			ŀ
SG-RSVMS-01	RSVMS - Fabrication at Shing Kai Road		22-Apr-24 A		10-Jul-26	26-Sep-26	662		0%	0%	Dependent	KTE-								
											Dependent									
5G-GDS-01	GDS2 to 5 - Fabrication at Shing Kai Road	68	22-Apr-24 A	17-JUE24	10-Jul-26	26-Sep-26	662		0%	0%	Task Dependent	KTE-			÷					_
Current Mice	tone											Dec.'s	HID KTE WIDEO MRO			Date		Revision	Che	100
Adual Work	Central K	owloo	on Rout	te - Kai	Tak Eas	t (Mont	h 60 l	Update) (Rev	50- C	SD)	Proje Basel	ect ID: KTE-WP50_M60 sline:			25-Sep-23 25-Od-23	Submit CSD Progra Submit CSD Progra	mme Rev 45with N	54 Mon TYY	
Critical Remaining V	ining Work					ng Prog			,		-,		ut: KTE - 3 Months Rolling Programm			25-Nov-23 25-Deo-23	Submit CSD Progra Submit CSD Progra	mme Rev 46with M mme Rev 47with M	65 Mon TYY 66 Mon TYY	_
	n yan						-					riter	": TASK filters: 3 Months Rolling_1, K	E - SUDMISSION.		25-Feb 24 25-Mar-24	CSD Programme R	v 48wih M57/58 M		·

ity I D	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Fical	TRA (Day)	Activity % Complete	Physical % Complete	Activity Type	Const		50 61 24 31 07 14 21 28 05 12 19 26 0	62 2 09 16 23	30 07	63 14 21 2	6	34
Kiosks S4 a	nd S6	88	25-May-24	06-Sep-24	09-Jun-26	18-Sep-26	611	0.00	i.										
SG-54-A	Kiosks S4 - procurement and material testing	36	25-May-24	08-Jul-24	09-Jun-26	20-Jul-26	611		0%	0%	Task Dependent		KTE4			+++			
SG-S6-A	Klosks S6 - procurement and material testing	36	25-May-24	08-Jul-24	09-Jun-26	20-Jul-26	611		0%	0%	Task Dependent		KTE-						
5G-54-8	Kiosks S4 - fabrication	52	09-Jul-24	06-Sep-24	21-Jul-26	18-Sep-26	611		0%	0%	Task Dependent		KTE4						-
SG-56-8	Kiosks S6 - fabrication	52	09-Jul-24	06-Sep-24	21-Jul-26	18-Sep-26	611		0%	0%	Task		KTE4					_	1
At-grade Slip	p Road S004	107	18-Mar-24 A	22-Jul-24	26-Jan-24	08-Nov-24	91	16.00			Dependent								
5A-5509	BIM - 5004 - Road and drainage works / Utilities / TCSS duct laying	36	18-Mar-24 A	07-Jun-24	26-Jan-24	14-Mar-24	-67	6.00	0%	0%	Task		KTE4						
5A-5509A	(Footbridge and subway section) BIM - 5004 - Road and drainage works / Utilities / TCSS duct laying (across	36	18-Mar-24 A	22-Jul-24	24-Jul-24	03-Sep-24	37	6.00	0%	0%	Dependent Task		KTE-1		-				
5A-5512	KFR WB) S004 - Construct Concrete Plinth Support for Klosk S4	4	25-May-24	29-May-24	09-Feb-24	20-Feb-24	-79	1.00	0%	0%	Dependent Task		KTE-1						
5A-5514	5004 - Install Kosk Box and Other accessories for Kiosk S4	20	30-May-24	22-Jun-24	21-Feb-24	14-Mar-24	-79	1.00	0%	0%	Dependent Task		KTE4						
5A-5516	S004 - Road Marking / Road fumiture	12	24-Jun-24	08-Jul-24	26-Od:24	08-Nov-24	103	2.00	0%	0%	Dependent Task		KTE-1		_				
	ad Kai Cheung Road S009 (Uphill Ramp)	63	25-Apr-24	11-3ul-24	03-Nov-23	18-Jan-24	-136	9.00			Dependent								
54-5524	5009 - Road and drainage works / Utilities Laying		25-Apr-24	15-Jun-24	03-Nov-23	21-Dec-23	-136	6.00	0%	0%	Task		KTE4						
5A-5528								2.00	0%		Dependent		KTE-						
	S009 - Road Pavement	12	17-Jun-24	29-Jun-24	22-Dec-23	08-Jan-24	-136			0%	Dependent								
5A-5530	S009 - Road Marking / Road furniture	9	02-Jul-24	11-Jul-24	09-Jan-24	18-Jan-24	-136	1.00	0%	0%	Task Dependent		KTE-						
	ad Kai Cheung Road S010 (Downhill Ramp)	42	16-May-24	06-Jul-24	27-Jan-24	22-Mar-24	-82	6.00											
5A-5532	5010 - Reinstate Kai Cheung Road 5010 Downhill Ramp		16-May-24	06-Jul-24	27-Jan-24	22-Mar-24	-82	6.00	0%	0%	Task Dependent		KTE-						
	ad Kai Cheung Road S010 (Uphill Ramp / Southbound)		10-Apr-24 A	08-Aug-24	24-Nov-23	14-Mar-24	-118	0.00											
5A-5335	BIM - KCRd - TCSS duct laying along Kai Cheung Road Southbound footpath (WKR - KITEC)	48	10-Apr-24 A	22-Jun-24	24-Nov-23	22-Jan-24	-118		0%	0%	Task Dependent		KTE-						
5A-5335A	BIM - KCRd - TCSS duct laying along Kai Cheung Road Southbound footpath (PMI-611)	60	10-Apr-24 A	08-Jul-24	24-Nov-23	05-Feb-24	-118		0%	0%	Task Dependent		KTE-						
5A-5534C	5010 - Sign Gantry G73 Footing (1 no in Central Median)	48	25-Apr-24	22-Jun-24	08-Dec-23	05-Feb-24	-106		0%	0%	Task Dependent		KTE4		_				
5A-5538B	BIM - 5010 - Erect Sign Gantry G72 (Night Works)	3	09-Jul-24	11-Jul-24	06-Feb-24	08-Feb-24	-118		0%	0%	Task Dependent		KTE-			•			
5A-5539A	BIM - 5010 - relocation of existing PVMP from G9 to G72 (PMI-550); by KTT	12	12-Jul-24	25-Jul-24	09-Feb-24	29-Feb-24	-118		0%	0%	Task Dependent		KTE-			•			Ť
5A-5539B	BIM - S010 - modify existing Sub-frame for G9 and creat sign DS-T10 (PMI-S50); nightwork	12	26-Jul-24	08-Aug-24	01-Mar-24	14-Mar-24	-118		0%	0%	Task Dependent		KTE4				—	-	
At-grade Roa	ad Kai Fuk Road Westbound S012	127	13-May-24	14-0ct-24	10-Nov-23	20-Aug-24	-44	12.00			seperaeit								
5A-5546A	5012 - Reconstruct Kai Fuk Road (WB) / Road and Drainage works/ Utilities	28	13-May-24	15-Jun-24	10-Nov-23	12-Dec-23	-144	6.00	0%	0%	Task		KTE4		_				
5A-5546	Laying (CH25 to CH150) S012 - Reconstruct Kai Fuk Road (WB) / Road and Drainage works/ Utilities	42	23-Aug-24	14-Od-24	03-Jul-24	20-Aug-24	-44	6.00	0%	0%	Dependent Task		KTE-1						
At-grade Roa	Laying ad Kai Fuk Road Eastbound S019/S020	40	25-Apr-24	13-Jun-24	13-Nov-23	22-Nov-24	135	6.00			Dependent			· · · · · · · · · · · · · · · · · · ·					
5A-5554	5019/5020 - Reconstruct Kai Fuk Road (EB) / Road and Drainage works /	28	25-Apr-24	29-May-24	13-Nov-23	14-Dec-23	-128	4.00	0%	0%	Task		KTE4						
5A-5560	Utilities Laying S019/S020 - Road Marking / Road furniture	12	30-May-24	13-Jun-24	09-Nov-24	22-Nov-24	135	2.00	0%	0%	Dependent Task		KTE-1		_				
	ad Kai Cheung Road U-turn		25-Feb-24 A	07-Jun-24	09-Feb-24	22-Nov-25	432	14.00			Dependent								
5A-4093	52 - Span 2EL/2ER-8A/2F falseoworks and formwork (over Kai Cheung Road			09-Mar-24 A	09-Feb-24	09-Feb-24		6.00	100%	100%	Task	As	KTE4						
5A-5565	Utum) (8) KCRd - Reinstate Kai Cheung Road U-tum for falsavork (Bridge S2)		25-40r-24	17-May-24	11-0:025	01-Nov-25	432	4.00	0%	0%	Dependent	Late	KTEA						÷
54-5564	KCRd - Reinstate Kal Cheung Road U-turn (Bridge S1/S9)	18	18-May-24	07-Jun-24	03-Nov-25	22-Nov-25	432	4.00	0%	0%	Dependent Task	Late	KTEA						
		35	25-Apr-24	07-Jun-24	20-lup-24	31-10-24	432	4.00	0%	0799	Dependent		NIE-						
	ad Kai Cheung Road Slip Road EB/WB					0110121		0.00											
5A-5562	KCRd - Reinstate Kai Cheung Road SB Slip Road		25-Apr-24	06-Jun-24	20-Jun-24	31-Jul-24	45	5.00	0%	0%	Task Dependent		KTE-1						
	ad MCEB/MCWB (East - except Part 4A/4C)		25-Dec-23 A	19-0ct-24	20-Oct-23	19-Jul-24	-76	56.00											
At-grade Ro																			
															Date		Revision		Chode
Current M		owley	n Rout	o . Kai	Tak Eas	t (Mont	h 60 I	Indate) (Rev	/50- C	SD)		Project Baselin	t ID: KTE-WP50_M60 ne:	25-Sep-23 25-Od 23	Submit CSD Pre	ogramme Rev 44wt ogramme Rev 45wt	h M53 Mon Th	
	maining Work					ing Proc			y (nev	, JU- C	55,	L	ayout:	t: KTE - 3 Months Rolling Programme	25Nov-23 25-Deo23	Submit CSD Pri	ogramme Rev 46wit	h M55 Mon Th	
	g Vłośk			00 100								F	ilter: T	TASK filters: 3 Months Rolling_1, KTE - Submission.	25-Feb 24	CSD Programm	ogramme Rev 47wl ie Rev 48wlih M57/5	8 Monthly Th	١Y
													Page 1		25-Mar-24	CSD Programm	a Rov 49 with M59	MonthlyUp Th MonthlyUp Th	ŵ

		Orig Dur					Float		Activity % Complete	Physical % Complete	Activity Type	Const	60 61 62 53 64 24 31 07 14 21 28 05 12 18 26 02 03 16 23 30 07 14 21 28 04 11
5A-5568	BIM - MCEB(E) - Site formation / Drainage Works / Utilities	146	11-Mar-24 A	19-0ct-24	20-Oct-23	23-Apr-24	-147	21.00	0%	0%	Task Dependent	кт	KTE4
5A-5568A	BIM - MCEB(E) -TCSS duct Laying	48	11-Mar-24 A	22-Jun-24	12-Jan-24	14-Mar-24	-79		0%	0%	Task Dependent	кт	KTEA
5A-5572	BIM - MCEB(E) - Erect Sign Gantry G35 & G36	4	09-Jul-24	12-Jul-24	11-Mar-24	14-Mar-24	-95	0.00	0%	0%	Task Dependent	KT	KTE4
At-grade Ro	ad MCWB	182	25-Dao-23 A	31-Jul-24	20-0:±-23	19-Jul-24	-10	35.00			Department		
5A-5580A	BEM - MCWB(E) - Site formation / Drainage Works / Utilities Laying (Part 2-	120	25-Dec 23 A	25-Apr-24	20-Oct-23	20-Od-23	-147	21.00	99.17%	0%	Task	кт	
5C-6309	5+550 to 5+870) S6 - Drainage Works / Utilities Laying / TCSS duct laying (Part 483)	90	09-Feb-24 A	09-Jul-24	27-Dec-23	14-Mar-24	-92		32.22%	0%	Dependent Task	KT	KTE-1
5C-6314	56 - Construct Concrete Footing for Kiosk S6	4	12-Apr-24 A	25-Apr-24 A	07-Feb-24	07-Feb-24		1.00	100%	100%	Dependent Task	кт	
5C-6316	56 - Install Kiosk Box and Other accessories for Kiosk 56 (acc for Key Date A)	26	25-Apr-24 A	25-Jun-24	07-Feb-24	14-Mar-24	-61	5.00	0%	0%	Dependent Task	KT	
5A-5586	MCWB(E) - Road formation Pavement (Sub-base, Road Base and Base	47	26-4pr-24	22-Jun-24	17-May-24	12-Jul-24	16	7.00	0%	0%	Dependent Task	KT	
5A-5584	Course) BIM - MCWB(E) - Erect Sign Gantry G37 & G41	4	12-Jun-24	15-Jun-24	06-Mar-24	09-Mar-24	-77	0.00	0%	0%	Dependent Task	KT	
5A-5588	MCWB(E) - Road Pavement (Wearing Course and Fildion Course)	6		31-Jul-24	13-Jul-24	19-Jul-24	-10	1.00	0%		Dependent Task		KTEA
			05-Feb-24 A		27-Nov-23	07-Sep-26	606	30.00	0.0	0.0	Dependent		
At-grade Roa	ad MCEB/MCWB (Part 4A/4C)	154	034 0724 A	51-Hug-24	27-1454-25	07-5cp-20	000	30.00					
At-grade Ro	Sad MCEB	110	02-Mar-24 A	11-Juli-24	2.7+Nov+2.3	29+Aug+26	643	11.00					
5A-5594	4A/4C - Initial survey / mobilisation		02-Mar-24 A			27-Nov-23		2.00	100%		Task Dependent		
5A-5596	BIM - MCEB(E) - Drainage Works / TCSS duct	43	16-Mar-24 A	17-Jun-24	11-Jan-24	07-Mar-24	-80	6.00	0%	0%	Task Dependent		KTEA
5A-5598	MCEB(E) - Road formation Pavement (Sub-base, Road Base and Base Course)	15	18-Jun-24	05-Jul-24	07-Aug-26	24-Aug-26	643	2.00	0%	0%	Task Dependent	KT	KTEA
5A-5604	MCEB(E) - Road Pavement (Wearing Course and Friction Course)	5	06-Jul-24	11-Jul-24	25-Aug-26	29-Aug-26	643	1.00	0%	0%	Task Dependent	KT	KTEA
At-grade Ro	ad MCWB	142	05-Feb-24 A	31-Aug-24	27-Nov-23	07-Sep-26	616	19.00					
5A-5608	BIM - MCWB(E) - Drainage Works / Utilities / TCSS duct Laying	85	05-Feb-24 A	06-Aug-24	27-Nov-23	14-Mar-24	-116	12.00	0%	0%	Task Dependent	KT	KTEA
5A-5610	MCV/B(E) - Drainage Works (Part 483) / / Utilities Laying	28	25-Apr-24	29-May-24	11-Jul-26	12-Aug-26	663	4.00	0%	0%	Task Dependent	кт	KTEA
5A-5612	MCWB(E) - Road formation Pavement (Sub-base, Road Base and Base Course)	22	07-Aug-24	31-Aug-24	13-Aug-26	07-Sep-26	606	3.00	0%	0%	Task Dependent	кт	KTEA
At-grade Roa	ad MCEB/MCWB (West - except Part 1B3)	154	09-Mar-24 A	31-Aug-24	09-Feb-24	11-Sep-24	9	14.00			Dependent		
At-grade Ro	ad MCEB	44	12-Jul-24	31-Aug-24	21-Feb-24	16-Apr-24							
5A-5618	BIM - MCEB(W) - Site formation / Drainage Works / Watermain / Utilities	44	12-Jul-24	31-Aug-24	21-Feb-24	16-Apr-24	-114	6.00	0%	0%	Task	KT	KTE4
5A-5618a	BIM - MCEB(W) - TCSS duct Laying	20	12-Jul-24	03-Aug-24	21-Feb-24	14-Mar-24	-114		0%	0%	Dependent Task	KT	KTEA
54-5620	BIM - MCEB(W) - Erect Sign Gantry G22	4	27-Jul-24	31-Jul-24	11-Mar-24	14-Mar-24	-111	0.00	0%	0%	Dependent Task	кт	
At-grade Ro	ad MCWB	148	09-Mar-24 A	24-Aug-24	09-Feb-24	11-5ep-24	15	8.00			Dependent		
5A-5630a	MCWB(W) - Sign Gantry G23 Footing (Eastbound)	24	09-Mar-24 A	23-Mar-24 A	06-Mar-24	06-Mar-24			100%	100%	Task	KT	KTEA
54-5632	BIM - MCWB(W) - Erect Sign Gantry G23		12-Jun-24	15-Jun-24	06-Mar-24	09-Mar-24	-77	0.00	0%		Dependent Task		
5A-5628	BIM - MCWB(W) - Site formation / Drainage Works / Watermain / Utilities	41	21-Jun-24	08-Aug-24	09-Feb-24	08-Apr-24	-101	6.00	0%	0%	Dependent Task	KT	KTEA
5A-5628a	BIM - MCWB(W) - TCSS duct Laying	24		19-Jul-24	09-Feb-24	14-Mar-24	-101	0.00	0%		Dependent Task		
54-50268			09-Aug-24	24-Aup-24	27-Aug-24	11-Par-24	-101	2.00	0%		Dependent		
	MCWB(W) - Road formation Pavement (Sub-base, Road Base and Base Course)		-		-				0%	075	Dependent	KI	KIE4
	ad MCEB/MCWB (Part 1B3)		13-Apr-24 A		05-Feb-24	22-Nov-24	119	8.00					
5A-5640	MCEB/MCWB(1B3) - Drainage Works / / Utilities Laying / TCSS duct Laying		13-Apr-24 A		05-Feb-24	14-Mar-24	-59	4.00	0%		Task Dependent		KTEA
5A-5642	MCEB/MCWB(1B3) - Road Pavement		30-May-24	15-Jun-24	03-Oct-24	19-Oct-24	104	2.00	0%		Task Dependent		KTEA
5A-5644	MCEB/MCWB(183) - Road marking / Road Fumiture	14	17-Jun-24	03-Jul-24	07-Nov-24	22-Nov-24	119	2.00	0%	0%	Task Dependent	KT	KTE4
At-grade Slip		42	17-Jul-24	03-Sep-24	29-Feb-24	23-Apr-24	-110	6.00					
5A-5652	5007 - Road and Drainage Works / / Utilities Laying	42	17-Jul-24	03-Sep-24	29-Feb-24	23-Apr-24	-110	6.00	0%	0%	Task Dependent	KT	KTE4
													Date Revision C
Current Mi		owley	on Rout	te - Kai	Tak Eas	t (Monti	h 60 I	Indate) (Re	-v50- C	SD)		roject ID: KTE-WP50_M60 2558ep23 Submt CSD Programme Nev 44wth M53 Mon Try aseline: 2504/23 Submt CSD Programme Nev 45wth M54 Mon Try
	maining Work					ing Prog			., (146		22)	Lay	ayout: KTE - 3 Months Rolling Programme 25Nov-23 Submit CSD Programme Ray 46with M55 Mon TY
Remaining	g Weak					ing riby	, ann					Filte	ilter: TASK filters: 3 Months Rolling_1, KTE - Submission. 250eo23 Submt CSD Programme Rev 47wth M66 Mon. 1YY 25 Feb 24 C3D Programme Rev 48wth M57/58 Monthy 1YY

iy ID	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical		Activity % Complete	Physical % Complete	namy Type	Const	60 24 31 07 14 21 28	61 05 12 19 26	62 02 06 16 23	63 30 07 14 21	64 28 04 11 1
At-grade Slip	Road S008	148	02-Feb-24 A	10-Aug-24	10-Jan-24	14-Mar-24	-120	3.00									
5A-5661	S008 - Sign Gantry G61A Footing x2	21	02-Feb-24 A	15-Jun-24	03-Feb-24	05-Mar-24	-61		0%	0%	Task Dependent	KTE4					
5A-5660	S008 - Sign Gantry G61. Footing x2	21	05-Apr-24 A	21-May-24	10-Jan-24	02-Feb-24	-81	3.00	0%	0%	Task Dependent	KTE-					
5A-5657	5008/5007 - Laying TCSS ducting	24	15-Jul-24	10-Aug-24	09-Feb-24	14-Mar-24	-120		0%	0%	Task Dependent	KTE-					
Shing Kai Roa	ad	130	26-Feb-24 A	03-Aug-24	29-Dec-23	12-Sep-24	34	10.00			Dependent						
5A-5697	BEM - 5A - Shing Kai Road cross-road ducting works (TTA required) (for GDS2 to GDS5)	108	26-Feb-24 A	06-Jul-24	29-Dec-23	14-Mar-24	-90		45.37%	0%	Task Dependent	KTE-				-	
5A-5698	BEM - SA - Shing Kai Road cross-road ducting works (TTA required) (1 for	36	11-May-24	24-Jun-24	26-Jan-24	14-Mar-24	-80	6.00	0%	0%	Task	KTE4					
5A-5700	TCSS; 1 for Power) 5A - Shing Kai Road modification of Existing Island	24	08-Jul-24	03-Aug-24	16-Aug-24	12-Sep-24	34	4.00	0%	0%	Dependent Task	KTE4	Ā				_
Shing Kai Roa	ad - Additional Civil Provision for TCSS (PMI-XXX)	328	24-Jul-23 A	17-0d-24	11-Dec-23	26-Sep-26	586	0.00			Dependent						
10-8654	SKR - stage 1 (EB footpath)- Givil Provision; TCSS ducting (PMI-XXX	144	24-Jul-23 A	25-Apr-24	11-Dec-23	11-Dec-23	-103		100%	0%	Task	KTE4					
10-8656	uncharted UU) SKR - stage 2 (WB footpath) - Civil Provision ; TCSS duding (PMI-XXX	144	14-Nov-23 A	31-May-24	12-Dec-23	18-Jan-24	-103		79.17%	0%	Dependent Task	KTE-					
10-8680	undharted UU; concurrent works) SKR- Shop drawing preparation and approval for RDVMS and GDS2-6		01-Dec-23 A		13-Dec-23	13-Dec-23	-101		100%	0%	Dependent Task	KTE-					
10-8662	SKR - stage 3 (Central Divider)- Civil Provision ; TCSS ducting (PMT-XXX		21-Fitb-24 A		12-Dep23	18-Jan-24	-103		58.33%		Dependent	KTE4					
10-8660	undrated UU; oncurrent works) SKR - stage 2 (Central Divider)- Civil Provision ; TCSS ducting (PMI-XXX		25-Feb-24 A	,	12-Da023	18-Jan-24	-103		68.75%	0%	Dependent Task	KTE-					
	undharted UU; concurrent works)										Dependent						
10-8664	SKR - stage 4 (Carriageway connection)- Civil Provision; TCSS ducting (PMI-XXX uncharted UU; concurrent works)	72		22-Jul-24	12-Dec-23	14-Mar-24	-103		0%		Task Dependent	KTE-					
10-8680a	SKR-fabrication for RDVMS and GDS2-6	52	25-Apr-24	27-Jun-24	14-Dec-23	22-Feb-24	-101		0%	0%	Task Dependent	KTE-	۱ ۱				
10-8680b	SKR- installation of RDVMS and GDS2-6	18	28-Jun-24	19-Jul-24	23-Feb-24	14-Mar-24	-101		0%	0%	Task Dependent	KTE-					
10-8666	SKR - stage 5/6- remaining Civil Provision and reinstatement	72	23-Jul-24	17-0d-24	06-Jul-26	26-Sep-26	586		0%	0%	Task Dependent	KTE-	·				
Kai Fuk Road	l (West Bound)	153	26-Feb-24 A	30-Aug-24	13-Dec-23	01-Aug-24	-25	0.00									
5A-5829	SA- TTA 4.2B - preparation and install concrete block	28	26-Feb-24 A	26-Mar-24 A	13-Dec-23	13-Dec-23			100%	100%	Task Dependent	KTE-I					
5A-5810	5A - Implement TTA scheme for Sign Face Support for FADS T4(A)	0	30-May-24		29-Apr-24		-25		0%	0%	Start Milestone	KTE-	.	•			
5A-5812	5A - Site dearance / trial pit	12	30-May-24	13-Jun-24	29-Apr-24	13-May-24	-25		0%	0%	Task Dependent	KTE-					
5A-5814	SA - ELS for Footing	18	14-Jun-24	05-Jul-24	14-May-24	04-Jun-24	-25		0%	0%	Task	KTE4	N I I I I I I I I I I I I I I I I I I I			+	
5A-5816	5A - Plate Load Test	12	06-Jul-24	19-Jul-24	05-Jun-24	19-Jun-24	-25		0%	0%	Task	KTE-					
5A-5818	5A - Footing construction	24	20-Jul-24	16-Aug-24	20-Jun-24	18-Jul-24	-25		0%	0%	Dependent Task	KTE-					
5A-5820	SA - Baddiling upto formation level	12	17-Aug-24	30-Aug-24	19-Jul-24	01-Aug-24	-25		0%	0%	Dependent Task	KTE-					-
Kai Fuk Road	I (WB) - TCSS duct Laying	88	30-May-24	11-Sep-24	17-Jun-26	26-Sep-26	614	20.00			Dependent						
5A-5830	BEM - 5A - Implement TTA scheme for TCSS duct Laying along Fuel Station	0	30-May-24		17-Jun-26		614		0%	0%	Start Milestone	KTE-I		-			
5A-5832	Slip Road BEM - 5A - TCSS duct laying along Footpath		30-May-24	27-Jun-24	17-Jun-26	14-Jul-26	614	6.00	0%	0%	Task	KTE-					
5A-5834	BEM - 5A - TCSS cluct Laying across Future Road S20 Egress	20	28-Jun-24	22-Jul-24	15-Jul-26	05-Aug-26	614	4.00	0%		Dependent Task	KTE-					
54-5836	BEM - 5A - TCSS duct Laying across Future Road S20 Ingress	20		14-Aug-24	07-Aug-26	29-Aug-26	614	4.00	0%	0%	Dependent	KTE-					
5A-5838	BEM - 5A - TCSS dud Laying across kai Fuk Road (3 Lanes - Nightwork)		15-Aug-24	11-Sep-24	31-Aug-26	25%0/20 26-Sep-26	614	6.00	0%		Dependent Task	KTE4					
			-		-				0.78	070	Dependent	KIE4					_
	t (EB) - Maintain 3 traffic lanes until CKR commissioning (PMI 253		25-May-23 A	29-Jul-24	11-Nov-23	26-Sep-26	652	0.00									
	ional works in Area 2 (next to KITEC)		25-May-23 A		09-Jan-24	26-Sep-26	652	0.00									
	oval (TTA sub-stage)	78		29-Jul-24	09-Jan-24	19-Apr-24	-82	0.00									
A1181	Road works for TTA implementation (partially night work)	78	25-4pr-24	29-Jul-24	09-Jan-24	19-Apr-24	-82		0%	0%	Task Dependent	KTE-					•
TTA1040	TTA Implementation for KFR EB Set Back after Tree Removal	0		29-Jul-24		19-Apr-24	-82		0%	0%	Finish Milestone	KTE-					•
															Date	Revision	Chede
Current Mi		oule	n Bour	ka Kal	Tak E	+ (Mart	L 60 1	Indet	-) (P-		eD)	Proje Basel	ct ID: KTE-WP50_M60		25-Sep-23 25-O1/23	Submit CSD Programme Rev 4 Submit CSD Programme Rev 4	with M53 Mon TYY
Critical Ren	Traing Work Central K	owio							e) (Re	v50- C	3D)		ine: it: KTE - 3 Months Rolling Program	ne	25-Nov-23	Submit CSD Programme Rev 4	with M55 Mon TYY
Remaining	y Weak		ini	ee wor	ul Rolli	ng Prog	jrannr	ne					TASK filters: 3 Months Rolling_1, F		25-Deo23 25-Feb 24	Submit CSD Programme Rev 4 CSD Programme Rev 48with M	57/58 Monthly TrY
												1			25-Mar-24	CSD Programme Rev 49 with N	

	Activity Name				Late Start		Fical		Activity % Complete	Physical % Complete		Cons	4	24 31 07 14	1 28 1	61 5 12 19	26 0	2 09 -	16 23	30 07	14 21	28 04	64
Utility D	Diversion	15	25-May-23 A	25-Apr-24	26-Sep-26	26-Sep-26	730	0.00												vr			
A1160	Temporary Protection of Existing Cables at Planter Area	15	25-May-23 A	25-Apr-24	26-Sep-26	26-Sep-26	730		100%	0%	Task Dependent	Start	KTE4										
KFR- Ad	ditional works in Area 3 (next to Sinopec)	28	01-Mar-24 A	30-Apr-24	11-Nov-23	22-Nov-24	170	0.00			opro-toto/it	1											
A1210	Footpath Reinstatement	5	01-Mar-24 A	23-Mar-24 A	18-Nov-24	18-Nov-24			100%	100%	Task Dependent		KTE4										
A1060	Drainage Works	5	01-Mar-24 A	23-Mar-24 A	11-Nov-23	11-Nov-23			100%	100%	Task Dependent		KTE4										
A1070	Kerb Constudion	5	01-Mar-24 A	23-Mar-24 A	11-Nov-23	11-Nov-23			100%	100%	Task		KTE-										
A1050	Pavement Reinstatement	10	18-Mar-24 A	23-Mar-24 A	11-Nov-23	11-Nov-23			100%	100%	Task		KTE4										
A1240	Roadworks and Set-up for TTA	5	22-Mar-24 A	25-Apr-24	11-Nov-23	11-Nov-23	-128		100%	100%	Task Dependent		KTE-										
A1200	Beam Barrier Construction	5	25-Apr-24	30-Apr-24	18-Nov-24	22-Nov-24	170		0%	0%	Task		KTE-										
TTA1020	 TTA Implementation for stage 4.1 EB Set Back (remaining E1-E3 along KFR and G31) 	0		25-Apr-24		11-Nov-23	-128		0%	0%	Finish Mikstone		KTE4										
Kai Fuk Ro	oad - Additional sign gantry FADS-T4 (PMI-338)	97	01-Feb-24 A	29-May-24	26-Feb-24	22-Nov-24	147	0.00			PIRESIDINE												
North For	oting in KFR Central Divider (Night Work)		01-Feb-24 A	29-May-24	26-Feb-24	22-Nov-24		0.00															
10-8634	T4 (North) - Sheetpile installation	30	01-Feb-24 A	28-Feb-24 A	26-Feb-24	26-Feb-24			100%	100%	Task Dependent		KTE4										
10-8636	T4 (North) - ELS and excavation	24	25-Feb-24 A	01-Apr-24 A	26-Feb-24	26-Feb-24			100%	100%	Task Dependent	-	KTE-\	-			÷						
10-8644	T4 (North) - Plate load test (ind set up)	6	02-Apr-24 A	05-Apr-24 A	26-Feb-24	26-Feb-24			100%	100%	Task		KTE4	-									
10-8638	T4 (North)- North Footing construction	42	06-Apr-24 A	19-Apr-24 A	26-Feb-24	26-Feb-24			100%	100%	Dependent Task	-	KTE-4										
10-8640	T4 (North) - backfiling and ELS removal	10	20-Apr-24 A	07-May-24	26-Feb-24	07-Mar-24	-47		0%	0%	Dependent Task	-	KTE-	-									
10-8642	T4 (North) - reinstatament of Central Divider	18	08-May-24	29-May-24	02-Nov-24	22-Nov-24	147		0%	0%	Dependent Task		KTE-1				-						
10-8646	Erection of Sign ganby - FADS-T4	6	08-May-24	14-May-24	08-Mar-24	14-Mar-24	-47		0%	0%	Dependent Task		KTE-1			-							
Drainage	works (excl. at-grade road and bridges)	178	10-May-24	10-Dec-24	29-May-24	12-Sep-24	-73	0.00			Dependent												
5A-6004	SA - Drainage works at area under the bridge decks induding outfails to Kai	90	10-May-24	26-Aug-24	29-May-24	12-Sep-24	15		0%	0%	Task		KTE4				<u>+</u> +	_			_	_	
5A-6000	Tak River SA - Drainage works at loop road	90	24-Aug-24	10-Dec-24	29-May-24	12-Sep-24	-73		0%	0%	Dependent Task		KTE-1										
SCH_6B Re	e-construction of Existing Box Culvert	30	25-Apr-24	31-May-24	22-Nov-23	28-Dec-23	-120	0.00			Dependent												
Box Culver	rt re-construction Works	30	25-Apr-24	31-May-24	22-Nov-23	28-Dec-23	-120	0.00															
BC- Reinst	tatement Works	30	25-Apr-24	31-May-24	22-Nov-23	28-Dec-23	-120	0.00															
68-5782	BC - Reinstate hard paving and related UU	12	25-Apr-24	09-May-24	22-Nov-23	05-Dec-23	-123		0%	0%	Task		KTE-										
68-5784	BC - Reinstate planter wall in DSD compound	12	10-May-24	24-May-24	06-Dac-23	19-Dac-23	-123		0%	0%	Dependent Task	-	KTE-1										
68-5786	BC - Transplant 5 nos of tree in DSD compound	3	10-May-24	13-May-24	16-Dec-23	19-Dec-23	-114		0%	0%	Dependent Task	-	KTE-A			-							
68-5788	BC - Reinstate fencing in DSD compound	6	25-May-24	31-May-24	20-Dec-23	28-Dec-23	-123		0%	0%	Dependent Task	-	KTE-										
68-5790	BC - Complete reconstruction of Box Culvert	0		31-May-24		28-Dec-23	-120		0%	0%	Dependent Finish	-	KTE-A				•						
Section 5	- Slip Road S5 Works (Subject to Excision)	179	21-Aug-23 A	08-Aug-24	28-Oct-23	09-Feb-24	-141	72.00			Milestone												
	- Ship Road 35 Works (Subject to Excision)	179	21-Aug-23 A	08-Aug-24	28-Oct-23	09-Feb-24	-141	72.00															
	B1 (Major portion)		25-Nov-23 A		10-Nov-23	09-Feb-24	-130	36.00															
58-6307	S5 - Part 4B1 (Major)- Drainage Works / / Utilities Laying / TCSS ducting /		25-Nov-23 A		10-Nov-23	04-Dec-23	-130		76.67%	0%	Task		KTE-4										
5B-6309	Watermain S5 - Part 4B1 (Major)- Site formation / Road kerb / Road Barriers / Road		11-May-24	04-Jun-24	25-Nov-23	18-Dec-23	-130	4.00		0%	Dependent Task	-	KTE-1				: 1:						
58-6311	Lighting S5 - Part 481 (Major)- Road formation pavement (Sub-base, Road Base and		05-Jun-24	26-Jun-24	19-Dec-23	11-Jan-24	-130	4.00		0%	Dependent Task	-	KTE-										
58-6313	Base Course) S5 - Part 481 (Major)- Road Pavement (Wearing Course)	3	27-Jun-24	29-Jun-24	12-Jan-24	15-Jan-24	-130	1.00		0%	Dependent	-	KTE4						_				
58-6315	55- Part 4B1 (Major) - Road marking / Road Furniture		02-3ul-24	12-Jul-24	16-Jan-24	26-Jan-24	-130	2.00		0%	Dependent	-	KTE-										
		10	Jeanet	10.001.01				2.30	÷ 10		Dependent												
Cumer	ni Miesione												Project	t ID: KTE-WP50_M60					Dato	dana da da da da da	Revision		Chode
Adual	Central	Cowloo	on Rout	te - Kai	Tak Eas	st (Mont	h 60 l	Update	e) (Re	v50- C	SD)		Baselir	ne:				25-Se 25-O	d-23 St	JomECSD Pro	gramme Rev 4 gramme Rev 4	Swith M54 Mor	1 TYY
Critical	I Remaining Work					ing Prog								: KTE - 3 Months Rolling TASK filters: 3 Months Ro		- Submission		254N	80-23 St	Jornit CSD Pro	gramme Rev 4 gramme Rev 4	7wth M56 Mor	1 TYY
													FIIICEL.	mark filters, a wonths PC	ing_1, NTE	- Juumission		25-Fe	5-24 Ci m-24 Ci	SD Programm	: Rev 48with M	57/58 Monthly 59 Monthly Us	TYY

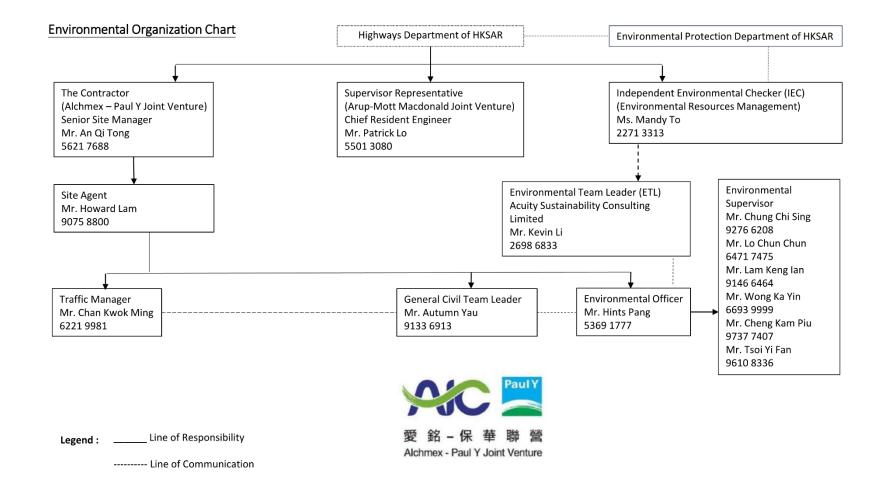
ID	Activity Name	Orig Dur	Stat	Firish	Late Start	Late Finish	Fical	TRA (Dey)	Activity % Complete	Physical % Complete	Activity Type	Prima WBS Const		60		61		6	2		63 63			igus1 64	-
5B-6317	55 - Part 4B1 (Major) - Final completion works	12	13-Jul-24	26-Jul-24	27-Jan-24	09-Feb-24	-130	0.00	0%	0%	Task	KTE	24 31 07 4	14	28 05	12 1	3 26	02 09	16 23	30	07 14	21 28	04 1	18	25
S5 Part 4B1 (Minor portion)	143	21-Aug-23 A	08-Aug-24	28-Oct-23	09-Feb-24	-141	36.00			Dependent														
58-6407	S5 - Part 4B1 (Minor) - Drainage Works / / Utilities Laying / TCSS ducting /	120	21-Aug-23 A	30-Apr-24	28-Oct-23	02-Nov-23	-141	25.00	95.83%	0%	Task	KTE	4												
5B-6409	Watermain 55 - Part 481 (Minor) - Site formation / Road kerb / Road Barriers / Road	30	25-Apr-24	31-May-24	28-Oct-23	01-Dec-23	-141	4.00	0%	0%	Dependent Task	KTE	4												
5B-6411	Lighting S5 - Part 4B1 (Minor) - Road formation pavement (Sub-base, Road Base and	26	01-Jun-24	03-Jul-24	02-Dec-23	04-Jan-24	-141	4.00	0%	0%	Dependent Task	KTE	4				_		_						
58-6413	Base Course) S5 - Part 4B1 (Minor) - Road Pavement (Wearing Course)	3	04-Jul-24	06-Jul-24	05-Jan-24	08-Jan-24	-141	1.00	0%	0%	Dependent Task	KTE	4												
5B-6415	55- Part 4B1 (Minor) - Road marking / Road Furniture	10	08-Jul-24	18-Jul-24	09-Jan-24	19-Jan-24	-141	2.00	0%	0%	Dependent Task	KTE													
5B-6417	S5 - Part 4B1 (Minor) - Final completion works	18	19-Jul-24	08-Aug-24	20-Jan-24	09-Feb-24	-141	0.00	0%	0%	Dependent Task	KTE													
	scape Route for Slip Road S6 Works (Subject to Exc	98	31-Jao-24 A	26-Jup-24	14-Mar-24	22-Nov-25	418	0.00			Dependent														
	trainage and Road Works	98	31-Jan-24 A	26-Jun-24	14-Mar-24	22-Nov-25	418	0.00																	
5C-6322	56 - Testing and Commissioning		31-Jan-24 A	26-Jun-24	14-Mar-24	14-Mar-24	-81	0.00	100%	100%	Task	KTE													
50-6326	S6 - Final completion works		03-Feb-24 A	06-Feb-24 A	22-Nov-25	22-Nov-25	-01	0.00	100%	100%	Dependent	KTE													
		24	03-F80-24 A		22-1404-25			0.00			Dependent														
5C-6328	56 - Completion all the works in Section 6			07-Feb-24 A	00.0	22-Nov-25		70.07	100%	100%	Milestone	KTE													
	entilation and E&M adit and Ring Road Underpass		23-Jun-23 A	09-Sep-24	02-Dec-23	20-5ep-26	616	39.00																	
-	ation and E&M Adit Works		08-Feb-24 A	05-Jul-24	05-Feb-24	22-Nov-24	117	16.00																	
Area Part 1C			08-Feb-24 A	05-Jul-24	05-Feb-24	22-Nov-24	117	16.00																	
VA - RC Struc			08-Feb-24 A	29-Apr-24	05-Feb-24	08-Feb-24	-59	8.00																	
6A-6648	VA-B1 - Construct RC Walls & Middle Slab	48	08-Feb-24 A	28-Mar-24 A	05-Feb-24	05-Feb-24		4.00	100%	100%	Task Dependent	KTE													
6A-6650	VA-B1 - Construct RC Walls & Top Slab	25	29-Mar-24 A	29-Apr-24	05-Feb-24	08-Feb-24	-59	4.00	84%	100%	Task Dependent	KTE	4												
VA - Miscellar	neous Works	54	30-Apr-24	05-Jul-24	09-Feb-24	22-Nov-24	117	8.00																	
6A-6652	VA - Removal of Bulkhead Wall	12	30-Apr-24	14-May-24	19-Sep-24	03-Oct-24	117	2.00	0%	0%	Task Dependent	KTE	4			-									
6A-6656a	VA - TCSS duct installation (2 nos)	4	30-Apr-24	04-May-24	11-Mar-24	14-Mar-24	-39		0%	0%	Task Dependent	KTE	A												
6A-6651	VA - Removal of falsework (BEM access)/ Make good/ screening	24	30-Apr-24	29-May-24	09-Feb-24	14-Mar-24	-59		0%	0%	Task Dependent	KTE	4				-								
6A-6654	VA - Movement Joint / Waterproffing	14	16-May-24	31-May-24	04-Oct-24	21-0d-24	117	2.00	0%	0%	Task Dependent	KTE	4			-	-								
6A-6656	VA - Backfilling up to GL, 1C	28	01-Jun-24	05-Jul-24	22-O±-24	22-Nov-24	117	4.00	0%	0%	Task Dependent	KTE	4				-								
6A-6658	Completion of Ventilation and E&M Adit	0		05-Jul-24		22-Nov-24	117		0%	0%	Finish Milestone	KTE	4							•					
Sch_4.1 Ring I	Road Underpass	206	23-Jun-23 A	09-Sep-24	02-Dec-23	26-Sep-26	616	23.00			T IRCADING														
RR - Part 1D1	l, 1D2, 1D3, 1D4, 1B1 & 1B2	96	14-Feb-24 A	04-May-24	31-Jan-24	26-Sep-26	722	4.00																	
RR - Box Sect	tions, Pump Sump & FS Plant Room	75	14-Fdb-24 A	02-Apr-24 A	13-Sep-24	13-Sep-24		4.00																	
RR - Bay B12	2 (S011 CH0+265.675 to 0+273.5) (at-grade) (RU5)		14-Feb-24 A	02-Apr-24 A	13-Sep-24	13-Sep-24		4.00																	
4-6796	RR-RUS - Construct Base slab	18	14-Feb-24 A	09-Mar-24 A	13-Sep-24	13-Sep-24		2.00	100%	100%	Task Dependent	KTE	A												
4-6798	RR-RU5 - Construct Side Walls	12	11-Mar-24 A	02-Apr-24 A	13-Sep-24	13-5ep-24		2.00	100%	100%	Task	KTE	4												
RR - Miscellar	neous Works	8	25-4pr-24	04-May-24	31-Jan-24	26-Sep-26	722	0.00			Dependent														
RR - Stage 4	Miscellaneous Works		25-Apr-24	29-Apr-24	23-Stp-26	26-Sep-26																			
10-8684	New Adhity	4	25-Apr-24	29-Apr-24	23-Sep-26	26-Sep-26	726		0%	0%	Task	KTE	4						•••••	++					
RR - Stage 5	Miscellaneous Works	8	25-4pr-24	04-May-24	31-Jan-24	08-Feb-24	-63	0.00			Dependent														
4-6804	RR - Final completion works	8	25-Apr-24	04-May-24	31-Jan-24	08-Feb-24	-63	0.00	0%	0%	Task	KTE	A												
											Dependent													_	
Current Mic Adual Worl Citical Rem Remaining	* Central K	owloc				st (Mont ing Prog			e) (Re	v50- C	SD)	Base	ect ID: KTE-WP5 filne: ut: KTE - 3 Mont : TASK filters: 3	hs Rolling		Submissio	n.	25 25 25 25 25	Date Sep-23 Oct-23 Nov-23 Deo-23 Feb-24 Mar-24	Submit CS Submit CS Submit CS CSD Progr	D Programme D Programme D Programme amme Rev 44	e Rev 44wth I e Rev 45wth I e Rev 46wth I e Rev 47wth I e Weth MS7/58	153 Mon 1 154 Mon 1 165 Mon 1 156 Mon 1	W W W W	Ap DC DC HL HL HL

D	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical	TRA (Dey)	Activity % Complete	Physical % Complete	Activity Type	Prima WBS Const	24 31	Apri 60	1 21 1	28 04	61 12 1	1 26 1 0	June 62 2 09 1 4	1 23	30 07	uy 3 14 21 1	AL 8 04 11	gust 34	25
RR - Part 1C		154	23-Jun-23 A	10-Jul-24	21-Dec-23	27-Apr-24	-59	19.00							-									.0	
RR - Miscellane	ous Works	154	23-Jun-23 A	10-3ul-24	21-Dec-23	27-Apr-24	-59	19.00																	
4-6844	RR - Install Profile Barriers (With TCSS)	50	23-Jun-23 A	25-Jun-24	21-Dec-23	27-Feb-24	-95	7.00	0%	0%	Task	KTE-			- 1					-					
4-6850	RR - Movement Joint / Waterproofing	24	07-Feb-24 A	25-Jun-24	06-Mar-24	06-Apr-24	-65	2.00	0%	0%	Dependent Task	KTE	· · · ·	_			_			-					
4-6848	RR - Baddiling up to GL, 1C	28	28-May-24	29-Jun-24	06-Mar-24	11-Apr-24	-65	4.00	0%	0%	Dependent Task	KTE						-							
4-6846	RR - Road Lighting and Road Furniture	28	06-Jun-24	10-Jul-24	02-Feb-24	12-Mar-24	-95	4.00	0%	0%	Dependent Task	KTE	4												
4-6852	RR - Road pavement	12	26-Jun-24	10-Jul-24	15-Apr-24	27-Apr-24	-59	2.00	0%	0%	Dependent Task	KTE-													
RR - E&M Work			25-Apr-24	09-Sep-24	02-Dec-23	27-Apr-24	-111	0.00			Dependent														
RR - Systems		114		09-Sep-24	02-Dec-23	27-Apr-24	-111	0.00																	
4-6858	RR - MWAC System		25-Apr-24	22-3ul-24	02-Dec23	05-Mar-24	-111	0.00	0%	0%	Task	KTE-													
											Dependent							+	1.1	1	1				
4-6859	RR - Electrical Works and Electrical Service System		25-Apr-24	22-Jul-24	09-Dec-23	12-Mar-24	-105	0.00		0%	Task Dependent	KTE													
4-6860	RR - Fire Services / Water works System	72		29-Jul-24	09-Dec-23	12-Mar-24	-111	0.00		0%	Task Dependent	KTE-													
4-6862	RR - Testing and Commissioning	36	30-Jul-24	09-Sep-24	13-Mar-24	27-Apr-24	-111	0.00	0%	0%	Task Dependent	KTE-	4									1		+ +	-
iection 10 - Fo	ootbridge, E&M Installation and Miscellaneous Wo	172	30-Jan-24 A	02-Sep-24	13-Nov-23	04-Jun-24	-75	37.00																	
Sch_7 FB - Spar	n D and Staircase C	129	27-Mar-24 A	02-Sep-24	13-Dec-23	04-Jun-24	-75	30.00																	
FB - Abutments	s, Pilecaps & Piers	124	27-Mar-24 A	27-Aug-24	13-Dec-23	04-Jun-24	-70	24.00																	
PIER P-FD1		20	25-Jun-24	18-Jul-24	08-Jan-24	30-Jan-24	-132	3.00																	
7-7204	P-FD1 - Excavation ; prepare Pile Head (2 nos.)	4	25-Jun-24	28-Jun-24	08-Jan-24	11-Jan-24	-132	1.00	0%	0%	Task Dependent	KTE-	•												
7-7206	P-FD1 - Construct Pile Cap for PIER P-FD1	7	29-Jun-24	08-Jul-24	12-Jan-24	19-Jan-24	-132	1.00	0%	0%	Task	KTE								4	_				
7-7208	P-FD1 - Construct Pier P-FD1	7	09-Jul-24	16-Jul-24	20-Jan-24	27-Jan-24	-132	1.00	0%	0%	Dependent Task	KTE	1												
7-7210	P-FD1 - Baddiling	2	17-Jul-24	18-Jul-24	29-Jan-24	30-Jan-24	-132	0.00	0%	0%	Dependent Task	KTE-										•			
PIER P-FD2		58	25-4pr-24	05-Jul-24	27-Dec-23	30-Jan-24	-121	3.00			Dependent														
7-7211	P-FD2 - Install Sheetpiles	9	25-Apr-24	06-May-24	27-Dec-23	06-Jan-24	-92		0%	0%	Task	KTE-	,											+	
7-7212	P-FD2 - Excavation; prepare Pile Head (2 nos.)		07-Mav-24	10-May-24	08-Jan-24	11-Jan-24	-92	1.00	0%	0%	Dependent Task	KTE-													
7-7214	P-FD2 - Construct Pile Cap for PIER P-FD2		11-May-24	20-May-24	12-Jan-24	19-Jan-24	-92	1.00		0%	Dependent Task	KTE-													
7-7216	P-FD2 - Construct Pier P-FD2		25-Jun-24	03-Jul-24	20-Jan-24	27-Jan-24	-121	1.00	0%	0%	Dependent	KTE													
											Dependent	KTE-													
7-7218	P-FD2 - Baddiling	2		05-Jul-24	29-Jan-24	30-Jan-24	-121	0.00	0%	0%	Task Dependent	KIE	`												
LIFT LC-FB			27-Mar-24 A	09-Aug-24	13-Dec-23	30-Jan-24	-151	6.00																	
7-7200B	Implementation of KFR TTA 4.2B		27-Mar-24 A		27-Dec-23				100%	100%	Start Milestone	KTE													
7-7200	Completion Underpass S3 Box Section		25-Jun-24		13-Dec23		-151		0%	0%	Start Milestone	KTE								•					
7-7219	FD2-L - Install sheetple	11	25-Jun-24	08-Jul-24	13-Dec-23	27-Dec-23	-151	2.00	0%	0%	Task Dependent	KTE													
7-7200A	Implementation of KFR TTA 4.2A	0	25-Jun-24		13-Dec 23		-151		0%	0%	Start Milestone	KTE	1							•					
7-7220	FD2-L- Excavation; prepare Pile Head (4 nos.)	6	09-Jul-24	15-Jul-24	28-Dec-23	04-Jan-24	-151	1.00	0%	0%	Task Dependent	KTE-	1								-				
7-7222	FD2-L - Construct Pile Cap for FD2-L	7	16-Jul-24	23-Jul-24	05-Jan-24	12-Jan-24	-151	1.00	0%	0%	Task Dependent	KTE-	4									-			
7-7224	FD2-L - Construct Lift Base FD2-L	13	24-Jul-24	07-Aug-24	13-Jan-24	27-Jan-24	-151	2.00	0%	0%	Task Dependent	KTE	4									-	-		
7-7226	FD2-L - Badkfilling	2	08-Aug-24	09-Aug-24	29-Jan-24	30-Jan-24	-151	0.00	0%	0%	Task	KTE	4												
PIER P-SC1		49	07-May-24	05-Jul-24	02-Feb-24	13-Mar-24	-90	3.00			Dependent														
7-7227	P-SC1 - Install Sheetpiles	9	07-May-24	17-May-24	02-Feb-24	19-Feb-24	-70		0%	0%	Task Dependent	KTE-	•				_								
											ooperaant							- E							_
Current Micsi				- K-11	T-1 F				-) (D					WP50_M60					25-Se 25-O				th M53 Mon T		DC
Critical Remain		Nowloo							e) (Re	v50- C	5D)	Base Layo		Months Rol	ling Prog	ramme			25-No	-23 Sut	bmit CSD Prog	tarreno Rov 46w	th M54 Mon T th M55 Mon T	W F	DC HL
Remaining Vé	lok		Thr	ee won	th Kolli	ng Prog	Iram	me						ers: 3 Month			Submissio	n.	25-De 25-Fe	24 CS	D Programme I	Rev 48with NS7	th MS6 Mon T 58 Monthly T	YY 1	HL HL
													18 of 20						25-Ma	-24 CS	D Programme I	Rov 49 with M56 Rev 50 with M60	Monthly Up T	IY F	Æ

ID	Activity Name	Orig Dur	Staft	Finish	Late Start	Late Finish	Total Fical	TRA (Day)	Activity % Complete	Physical % Complete	Activity Type	Prima WBS Const	Apri 60	1 28 05 12 18 26 0	June 62	July 63	× 1 00 1 00 1	August 64
7-7228	P-SC1 - Excavation; prepare formation	4	18-May-24	22-May-24	20-Feb-24	23-Feb-24	-70	1.00	0%	0%	Task Dependent	KTE-4			12 09 16 23	30 07 14 1	21 28 04	11 18 25
7-7230	P-SC1 - Construct Pile Cap for PIER P-SC1	7	23-May-24	30-May-24	24-Feb-24	02-Mar-24	-70	1.00	0%	0%	Task Dependent	KTEA		-				
7-7232	P-SC1 - Construct Pier P-SC1	7	25-Jun-24	03-Jul-24	04-Mar-24	11-Mar-24	-90	1.00	0%	0%	Task	KTE-			_			
7-7234	P-SC1 - Baddiling	2	04-Jul-24	05-Jul-24	12-Mar-24	13-Mar-24	-90	0.00	0%	0%	Dependent Task	KTE-4				•		
Sump Pit and	Piller Box (KTE-PB-04C)	43	09-3ul-24	27-Aug-24	18-Apr-24	04:3un-24	-70	9.00			Dependent							
7-7271	FB - Sump pit for Lift C (CE-0127)	24	09-Jul-24	05-Aug-24	18-Apr-24	17-May-24	-66	6.00	0%	0%	Task	KTE-						
7-7273	PB - Pillar Box RC structures (KTE-PB-04C) (CE-0128)	15	10-Aug-24	27-Aug-24	18-May-24	04-Jun-24	-70	3.00	0%	0%	Dependent Task	KTE4					_	
FB - Superstru	ucture	20	10-Aug-24	02-Sep-24	31-Jan-24	22-Mar-24	-132	6.00			Dependent							
FB - Span D		17	10-Aug-24	29-Aug-24	31-Jan-24	26-Feb-24	-151	2.00										
7-7246	SD - Construct Falsework and Formwork	17	10-Aug-24	29-Aug-24	31-Jan-24	26-Feb-24	-151	2.00	0%	0%	Task	KTE4						
FB - Lift C (Lift	t Shaft)	20	10-Aug-24	02-Sep-24	29-Feb-24	22-Mar-24	-132	4.00			Dependent							
7-7278	LC - Lift Shaft falsework erection	10	10-Aug-24	21-Aug-24	29-Feb-24	11-Mar-24	-132	2.00		0%	Task	KTE-						
7-7280	LC - Structural Steel works		22-Aug-24	02-Sep-24	12-Mar-24	22-Mar-24	-132	2.00			Dependent Task	KTE-A						
	n Exisiting Subway KS-20		30-Jan-24 A	25-Mar-24 A		13-Nov-23		7.00	0.0	0.0	Dependent							
			30-Jan-24 A			13-Nov-23		7.00										
	visition / Filling Works																	
Kai Fuk Road				25-Mar-24 A	13-Nov-23	13-Nov-23		7.00										
7-7322	KS20 - Reinstate Footpath / Road pavement			25-Mar-24 A	13-Nov-23	13-Nov-23		3.00		100%	Task Dependent	KTE-A	•					
7-7320	S019 - Reconstruct Bus Stop Bay (Permanent) (Kai Fuk Road EB) - layby	28	27-Feb-24 A	08-Mar-24 A	13-Nov-23	13-Nov-23		4.00	100%	100%	Task Dependent	KTE-	·					
7-7334	KS20 - Complete Abandon of Existing Subway	0		25-Mar-24 A		13-Nov-23			100%	100%	Finish Mikstone	KTE-4	· •					
Section 11 - S	Structure of Bridge CKRE		05-Dac-23 A	15-Aug-24	29-Nov-23	22-Nov-25		11.00										
Sch_3.10 Bridg	ge CKRE Works	185	05-Dec-23 A	15-Aug-24	29-Nov-23	22-Nov-25	375	11.00										
CKRE - Pile Ca	ps, Pier / Abutment	9	05-Dec-23 A	15-Apr-24 A	29-Nov-23	29-Nov-23		0.00										
Abutment A-K	11-CKRE	9	05-Dec-23 A	15-Apr-24 A	29-Nov-23	29-Nov-23		0.00										
3.10-7538	CKRE - A-K1-CKRE Install Permeate Membrane and Baddfill	9	05-Dao-23 A	15-Apr-24 A	29-Nov-23	29-Nov-23		0.00	100%	100%	Task Dependent	KTE4						
CKRE - Miscell	aneous Works	176	07-Feb-24 A	15-Aug-24	29-Nov-23	22-Nov-25	375	11.00			Dependent							
CKRE - Works	a for Section 11	146	07-Feb-24 A	11-Jul-24	29-Nov-23	22-Nov-25	405	5.00										
3.10-7608	BEM - CIRE - Install Parapet Wall / TCSS duct (L)	39	07-Feb-24 A	12-Jun-24	29-Nov-23	16-Jan-24	-114	3.00	0%	0%	Task	KTE-A			-			
3.10-7617	CKRE - Preparation for haul road	3	25-4pr-24	27-Apr-24	20-Nov-25	22-Nov-25	465		0%	0%	Dependent Task	KTE-						
3.10-7618	CKRE - Opening to Interfacing Contractors	0		27-Apr-24		22-Nov-25	465		0%	0%	Dependent Finish	KTE-		•				
3.10-7612	CKRE - Movement Joint	12	03-Jun-24	17-Jun-24	08-Jan-24	20-Jan-24	-114	2.00	0%	0%	Milestone Task	KTE-						
3.10-7614	CKRE - Road pavement; Road marking	6		24-Jun-24	22-Jan-24	27-Jan-24	-114	0.00		0%	Dependent Task	KTE-A						
3.10-7616	OKRE - Final completion works		25-Jun-24	11-Jul-24	29-Jan-24	20-Feb-24	-114	0.00			Dependent Task	KTE-						
			12-Mar 24 A		11-Mar-24	22-Nov-24		6.00		0.0	Dependent	115-1						
CKRE - Remai	OKRE - Sign Gantry Pinth G22 in end wall		12-Mar-24 A	15-Aug-24 14-Mar-24 A		11-Mar-24	82	6.00	100%	100%	Ted	KTEA						
											Task Dependent							
3.10-7610	OKRE - Bridge Drainage Works		13-Jun-24	13-Jul-24	19-Sep-24	21-Oct-24	82	2.00			Task Dependent	KTE-A						
3.10-7620	CKRE - Road Lighting and Road Furniture		15-Jun-24	18-Jul-24	21-Sep-24	25-Od-24	82	4.00			Task Dependent	KTE-A	1					_
3.10-7622	CKRE - Final completion works	24	19-Jul-24	15-Aug-24	26-Oct-24	22-Nov-24	82	0.00		0%	Task Dependent	KTE-A						•
3.10-7624	OKRE - Completion of Bridge OKRE	0		15-Aug-24		22-Nov-24	82		0%	0%	Finish Mikstone	KTE-A						•
Current Mile Adual Work Critical Remaining V	Central P	Cowloo				st (Mont ing Prog			e) (Re	•v50- C	SD)	Baseli Layou	it: KTE - 3 Months Rolling	g Programme Rolling_1, KTE - Submission.	25 Od 23 S 25 Nov-23 S 25 Deo23 S 25 Feb 24 C	Revision ubmit CSD Programme Fr ubmit CSD Programme Fr ubmit CSD Programme Fr ubmit CSD Programme Rev 404 SD Programme Rev 404 SD Programme Rev 404	ier 44wth MS3 Mon Ier 45wth MS4 Mon Ier 46wth MS5 Mon Ier 47wth MS6 Mon Ih MS7/58 Monthly	TYY DC TYY HL TYY HL TYY HL

Section 12 - Under Sch_4.3 Slip Road I	ic fivity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical	TRA (Day)	Activity % Complete	Physical % Complete	Activity Type	Prima WBS Const		April			Ma	(June 82			July 63			August 64	tember
	lamace \$21	161_0	-Mar-24 A	16-Sep-74	12-Apr-24	26-Sep-26	F1088	18.00	complete	Comprese		CONST	24 31	07 14	21	28 0	5 12	18	26 02	06 1	16 23	30 0	7 14	21 2	3 04	11 18	25 01
adi_4.5 alip Road i		151 0	-Mar-24 A	16-Sep-24	12-Apr-24	26-Sep-26	610	18.00																			
S21 - RC Structure				09-May-24	14-Sep-26	26-Sep-26	718	2.00																			
	ctions - South (CH000 to CH143.981)		5-4pr-24	09-May-24	14-Sep-26	26-Sep-26	718	0.00																			
	- At-Grade Slab (CH009.376 to 000)		5-Apr-24		14-Sep-26		718	0.00																			
	i21-82-10 - Construct At Grade slab		5-Apr-24	09-May-24	14-Sep-26	26-Sep-26	718	0.00	0%	0%	Task	KTE-															
	ctions - North (CH205.700 to CH354.957)			09-May-24	14-Sep-26	26-Sep-26	718	2.00	• • •		Dependent						-										
	At Grade Slab Part 3E (CH321.11 to 354.957) Part 3E		5-Apr-24		14-Sep-26	26:5en:26	718	2.00																			
	21-83-9 - Construct At Grade siab		5-Apr-24	09-May-24	14-Sep-26	26-Sep-26	718	2.00	0%	0%	Task	KTE-4															
S21 - Miscellaneou				16-Sep-24	12-Apr-24	03-Sep-24	-11	16.00	• • •		Dependent																
S21 - Roads and Pa			-Mar-24 A	16-Sep-24	19-Apr-24	03-5ep-24	-11	16.00																			
	i21 - Plant room finishing works		-Mar-24 A	29-Jul-24	19-Apr-24	16-Jul-24	-11	6.00	0%	0%	Task	KTE-4															
	i21 - Road Lighting and Road Fumiture			29-May-24	02-Aug-24	03-5ep-24	81	4.00	0%	0%	Dependent	KTE4															
	521 - Watermain and Drainage works		0-Jul-24	16-Sep-24	17-Jul-24	03-5ep-24	-11	6.00	0%	0%	Dependent Task	KTE-							-								
S21 - E&M Works				26-Aug-24	12-Apr-24	05-Aug-24	-17	0.00	0.0	0.0	Dependent																
S21 - Systems			-Mar24 A	26-140-24	12-000-24	05-40-024	-47	0.00																			
	i21 - Fire Services System/ Water Works			26-Aug-24	12-Apr-24	06-Aug-24	-17	0.00	0%	0%	Task	KTEA															
	521 - Fline Services System (Viales Voltes			26-Aug-24	12-Apr-24	05-Aug-24	-17	0.00	0%	0%	Dependent Task	KTEA							1								
	21 - NVAC System			26-Aug-24	12-Apr-24	05-Aug-24	-17	0.00	0%	0%	Dependent Task	KTEA															
	,	507 2	Anglia	20140g-24	20 May 22	08.1% 24	-17	2.00	0%	0.90	Dependent	NIES															
	we pipes for District Cooling System (Subject to	307 2	5-Apr-24	25-Apr-24	29-Nov-23	29-Nov-23	-113	3.00																			
DCS-West Section	es for DCS (Kai Tak River West)		5-Apr-24	25-Apr-24	29-Nov-23	29-Nov-23	-113	3.00																			
	x (39m) XCS(W)_A - Reinstatement (Pavement / fencing / etc.)		5-401-24	25-Apr-24	29-Nov-23	29-Nov-23	-113	3.00	0%	0%	Task	KTE-															
				25-Apr-24	08-Jan-24	08-Jan-24	-62	0.00	0%	070	Dependent	NIE-1															
	es for DCS (Kai Tak River East)		Apr-22 A	25-Apr-24	08-Jan-24	08-Jan-24	-82	0.00																			
DCS-East Portion 1 10-8524A D	L (approx 37.5m) XCS(E) - Baddfiling works in DCS area (up to G.L.)			25-Apr-24	08-Jan-24	08-Jan-24	-82	0.00	100%	0%	Task	KTE-4															
								0.00	100%	076	Dependent	NIE-			ļ.,			Ļ									
DCS-East Portion 2 10-8536A D	2 (approx 37.5m) XCS(E) - Baddfiling works in DCS area (up to G.L.)		-Apr-22 A	25-Apr-24	08-Jan-24 08-Jan-24	08-Jan-24 08-Jan-24	-82	0.00							÷ 1												
10-8536A D	CS(E) - Baokning works in DCS area (up to G.L.)	28 2	-Apr-22 A	25-Apr-24					100%	0%	Task	KTE-			-												

Appendix C Project Organization Chart



Appendix D Dust Event-Action Plan (EAP) (Air Quality Monitoring)

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
ACTION LE	VEL			
Exceedance for one sample	 Identify source, investigate the causes of exceedance and propose remedial measures; Inform IEC and ER; Repeat measurement to confirm finding; Increase monitoring frequency to daily. 	 Check monitoring data submitted by ET; Check Contractor's working method. 	1. Notify Contractor.	 1.Rectify any unacceptable practice; 2.Amend working methods if appropriate.
Exceedance for 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 and Contractor on remedial actions required; If exceedance continues, arrange meeting with IEC and ER; If exceedance stops, cease additional monitoring. 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET and Contractor on possible remedial measures; Advise the ET on the effectiveness of the proposed remedial measures; Supervise Implementation of remedial measures. 	 Confirm receipt of notification of failure in writing; Notify Contractor; Ensure remedial measures properly implemented. 	 Submit proposals for remedial to ER within 3 working days of notification; Implement the agreed proposals; Amend proposal if appropriate.
LIMIT LEVE	EL			
Exceedance for one sample	 Identify source, investigate the causes of exceedance and propose remedial measures; Inform ER, Contractor and EPD; 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET and 	 Confirm receipt of notification of failure in writing; Notify Contractor; Ensure remedial measures 	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days

EVENT	ACTION			
	ET	IEC	ER	CONTRACTOR
	 3.Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5.Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results. 	Contractor on possible remedial measures; 4.Advise the ER on the effectiveness of the proposed remedial measures; 5.Supervise implementation of remedial measures.	properly implemented.	of notification; Implement the agreed proposals; 4.Amend proposal if appropriate.
Exceedance for two or more consecutive samples	 Notify IEC, ER, Contractor and EPD; Identify source; Repeat measurement to confirm findings; Increase monitoring frequency to daily; Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented; Arrange meeting with IEC and ER to discuss the remedial actions to be taken; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; If exceedance stops, cease additional monitoring. 	 Discuss amongst ER, ET, and Contractor on the potential remedial actions; Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; Supervise the implementation of remedial measures. 	 Confirm receipt of notification of failure in writing; Notify Contractor; In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented; Ensure remedial measures properly implemented; If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. 	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days of notification; Implement the agreed proposals; Resubmit proposals if problem still not under control; Stop the relevant portion of works as determined by the ER until the exceedance is abated.

Note:

ET – Environmental Team

ER – Engineer's Representative

Appendix E Noise Event-Action Plan (EAP) (Noise Monitoring)

EVENT		ACTION		
	ЕТ	IEC	ER	CONTRACTOR
Action	1. Identify source, investigate the	1.Review the analysed results submitted	1.Confirm receipt of	1.Submit noise mitigation
Level	causes of exceedance and propose	by the ET;	notification of failure in	proposals to IEC;
	remedial measures;	2.Review the proposed remedial	writing;	2.Implement noise mitigation
	2. Notify IEC and Contractor;	measures by the Contractor and advise	2. Notify Contractor;	proposals.
	3.Report the results of investigation	the ER accordingly;	3.Require Contractor to propose	
	to the IEC, ER and Contractor;	3. Supervise the implementation of	remedial measures for the	
	4. Discuss with the Contractor and	remedial measures.	analysed noise problem;	
	formulate remedial measures;		4. Ensure remedial measures are	
	5. Increase monitoring frequency to		properly implemented	
	check mitigation effectiveness.			

Note:

ET – Environmental Team

IEC – Independent Environmental Checker

ER – Engineer's Representative

Appendix F Environmental Mitigation Implementation Schedule (EMIS)

Objectives of the Requirements EM& Recommended Implementation and/ or Location / Implementation Implementation EIA Ref. **Recommended Mitigation Measures** Measures & A Log Agent Timing Stage standards to be Status Ref. Main achieved Concerns to address Construction Dust Impact S4.3.10 D1 The contractor shall follow the procedures and Minimize dust Contractor All Construction stage Implemented APCO requirements given in the Air Pollution Control impact and construction • To control the (Construction Dust) Regulation and Air Pollution adverse health sites dust impact to Control (Non-road Mobile Machinery) (Emission) effects at the meet HKAOO Regulation. nearby sensitive and TM-EIA receivers criteria S4.3.10 D2 • Mitigation measures in form of regular watering Minimize dust Contractor All Construction stage Implemented after • APCO under a good site practice should be adopted. construction observation impact at the • To control the Watering once per hour on exposed worksites and nearby sensitive sites dust impact to haul road should be conducted to achieve dust receivers meet HKAOO removal efficiencies of 91.7%. While the above and TM-EIA watering frequencies are to be followed, the extent criteria of watering may vary depending on actual site conditions but should be sufficient to maintain an equivalent intensity of no less than 1.3 L/m² to achieve the dust removal efficiency. xS4.3.10 D3 Proper watering at exposed spoil should be Minimize dust Contractor All Construction stage • APCO Implemented undertaken throughout the construction phase; impact at the construction • To control the Any excavated or stockpile of dusty material should nearby sensitive sites dust impact to be covered entirely by impervious sheeting or receivers meet HKAQO sprayed with water to maintain the entire surface and TM-EIA wet and then removed or backfilled or reinstated criteria where practicable within 24 hours of the excavation or unloading; Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads: A stockpile of dusty material should not be extended beyond the pedestrian barriers, fencing or traffic cones:

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EIA Ref.	EM& A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		 The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle. Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing facilities and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided and properly maintained as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period; The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials; Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously; Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet; Any skip hoist for material transport should be totally enclosed by impervious sheeting; 						

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		 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; 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 Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies. 						
S4.3.10	D6	Implement regular dust monitoring under EM&A programme during the construction stage.	Monitoring of dust impact	Contractor	Selected rep. dust monitoring station	Construction stage	• TM-EIA	Implemented
			Constructio	n Noise (Airborne)				
\$5.4.1	N1	 Implement the following good site practices: Only well-maintained plant should be operated onsite, and plant should be serviced regularly during the construction programme; Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; 	Control construction airborne noise	Contractor	All construction sites	Construction stage	• Annex 5, TM- EIAO	Implemented

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		 Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works; Mobile plant should be sited as far away from NSRs as possible and practicable; Material stockpiles, mobile container site office and other structures should be effectively utilized, where practicable, to screen noise from on-site construction activities. 						
\$5.4.1	N2	Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of hoardings shall be properly maintained throughout the construction period.	Reduce the construction noise levels at low-level zone of NSRs through partial screening	Contractor	All construction sites	Construction stage	• Annex 5, TM- EIAO	Implemented
\$5.4.1	N3	Install movable noise barriers (typical design is wooden framed barrier with a small-cantilevered on a skid footing with 25mm thick internal sound absorptive lining), acoustic mat or full enclosure, screen the noisy plants including air compressors, generators and handheld breakers, etc.	Sreen the noisy plant items to be used at all construction sites	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM- EIAO	Implemented
S5.4.1	N4	Use 'Quiet plant'	Reduce the noise levels of plant items	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM- EIAO	Implemented
\$5.4.1	N5	Loading/ unloading activities should be carried out inside the full enclosure of mucking out points.	Reduce the noise levels of loading/ unloading activities	Contractor	Mucking out locations	Construction stage	• Annex 5, TM- EIAO	Implemented
\$5.4.1	N6	Sequencing operation of construction plants where practicable.	Operate sequentially within the same work site to	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM- EIAO	Implemented

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S5.4.1	N7	Implement a noise monitoring programme under EM&A programme.	reduce the construction airborne noise Monitor the construction noise levels at the selected representative locations	Contractor	Selected rep. noise monitoring station	Construction stage	• TM-EIAO	Implemented
				(Construction Phas	se)	I	1	I
S6.9.1.1		 In accordance with the Practice Note for Professional Persons on Construction Site Drainage, Environmental Protection Department, 1994 (ProPECC PN1/94), construction phase mitigation measures shall include the following: Construction Runoff At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sandbag barriers should be provided on site to direct stormwater to silt removal facilities. The design of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction; The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a silt/ sediment trap. The sediment/ silt traps should be 	To minimize water quality impact from the construction site runoff and general construction activities	Contractor	All construction sites where practicable	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-EIAO TM-DSS 	Implemented after observation

EIA Ref.	EM& A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		 incorporated in the permanent drainage channels to enhance deposition rates; The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/ sand traps should be 5 minutes under maximum flow conditions. Sizes may vary depending upon the flow rate, but for a flow rate of 0.1 m3/s a sedimentation basin of 30 m3 would be required and for a flow rate of 0.5 m3/s the basin would be 150 m3. The detailed design of the sand/ silt traps shall be undertaken by the contractor prior to the commencement of construction; All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. Exposed slope surfaces should be covered by tarpaulin or other means; The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows, and all traffic areas and access roads protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during prolonged periods of inclement weather and the reduction of surface sheet flows; All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas; 						

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		 Measures should be taken to minimize the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities; Open stockpiles of construction materials (for example, aggregates, sand and fill material) of more than 50m3 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 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; Precautions be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes; 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 site wheel washing facilities should be provided at every construction site exit where practicable. Wash-water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of 						

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		 the process. The section of access road leading to, and exiting from, the wheel wash bay to the public road should be paved with sufficient backfall toward the wheel wash bay to prevent vehicle tracking of soil and silty water to public roads and drains; Oil interceptors should be provided in the drainage system downstream of any oil/ fuel pollution sources. The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for the oil interceptors to prevent flushing during heavy rain; Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts; 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 water sensitive receivers nearby; Adopt best management practices; All earth works should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable. 						
S6.9.1.2	W2	 <u>Tunneling Works and Underground Works</u> Cut-&-cover tunneling work should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable. Uncontaminated discharge should pass through sedimentation tanks prior to off-site discharge; 	To minimize construction water quality impact from tunneling works	Contractor	All tunneling portion	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-DSS TM-EIAO 	N/A

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		 The wastewater with a high concentration of SS should be treated (e.g. by sedimentation tanks with sufficient retention time) before discharge. Oil interceptors would also be required to remove the oil, lubricants and grease from the wastewater; Direct discharge of the bentonite slurry (as a result of D-wall) is not allowed. It should be reconditioned and reused wherever practicable. Temporary storage locations (typically a properly closed warehouse) should be provided on site for any unused bentonite that needs to be transported away after all the related construction activities area completed. The requirements in ProPECC PN 1/94 should be adhered to in the handling and disposal of bentonite slurries. 						
S6.9.1.3	W3	 Sewage Effluent Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance. 	To minimize water quality from sewage effluent	Contractor	All construction sites where practicable	Construction stage	 Water Pollution Control Ordinance TM-DSS 	Implemented
\$6.9.1.5	W4	 Groundwater from Potential Contaminated Area: No direct discharge of groundwater from contaminated areas should be adopted. A discharge license under the WPCO through the Regional Office of EPD for groundwater discharge should be applied. Prior to the excavation works within these potentially contaminated areas, the groundwater quality should be reviewed during the process of discharge license application. The 	To minimize groundwater quality impact from contaminated area	Contractor	Excavation areas where contamination is found	Construction stage	 Water Pollution Control Ordinance TM-DSS TM-EIAO 	Implemented

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		 compliance to the Technical Memorandum on Standards for Effluents Discharged into Drainage on Sewerage Systems, Inland and Coastal Waters (TM-DSS) and the existence of prohibited substance should be confirmed. If the review results indicated that the groundwater to be generated from the excavation works would be contaminated, the contaminated groundwater should be either properly treated in compliance with the requirements of the TM-DSS or properly recharged into the ground. If wastewater treatment is deployed, the wastewater treatment unit shall deploy suitable treatment process (e.g. oil interceptor / activated carbon) to reduce the pollution level to an acceptable standard and remove any prohibited substances (e.g. TPH) to undetectable range. All treated effluent from wastewater treatment plant shall meet the requirements as stated in TM-DSS and should be discharged into the foul sewers. If groundwater recharging wells are deployed, 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. 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 yell. Prior to recharge, 						

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		any prohibited substances such as TPH products should be removed as necessary by installing the petrol interceptor.						
S6.9.1.6	W6	 <u>Accidental Spillage</u> In order to prevent accidental spillage of chemicals, the following is recommended: All the tanks, containers, storage area should be bunded and the locations should be locked as far as possible from the sensitive watercourse and stormwater drains; The Contractor should register as a chemical waste producer if chemical wastes would be generated. Storage of chemical waste arising from the construction activities should be stored with suitable labels and warnings. Disposal of chemical wastes should be conducted in compliance with the requirements as stated in the Waste Disposal (Chemical Waste) (General) Regulation. 	To minimize water quality impact from accidental spillage	Contractor	All construction site where practicable	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-EIAO TM-DSS 	Implemented
			Waste Managem	ent (Construction Wa	ste)			
S7.4.1	WM1	 On-site sorting of C&D material Geological assessment should be carried out by competent persons on site during excavation to identify materials which are not suitable to use as aggregate in structural concrete (e.g. volcanic rock, Aplite dyke rock, etc.). Volcanic rock and Aplite dyke rock should be separated at the source sites as far as practicable and stored at designated stockpile area preventing them from delivering to crushing facilities. The crushing plant operator should also be reminded to set up measures to prevent unsuitable rock from ending up at concrete batching plants and 	Separation of unsuitable rock from ending up at concrete batching plants and be turned into concrete for structural use	Contractor	All construction sites	Construction stage	• DEVB (W) No. 6/2010	N/A

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S7.5.1	WM2	 be turned into concrete for structural use. Details regarding control measures at source site and crushing facilities should be submitted by the Contractor for the Engineer to review and agree. In addition, site records should also be kept for the types of rock materials excavated and the traceability of delivery will be ensured with the implementation of Trip Ticket System and enforced by site supervisory staff as stipulated under DEVB TC(W) No. 6/2010 for tracking of the correct delivery to the rock crushing facilities for processing into aggregates. Alternative disposal option for the reuse of volcanic rock and Aplite Dyke rock, etc. should be explored. Construction and Demolition Material Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; Carry out on-site sorting; Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; Adopt 'selective demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible; Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified; and Implement an enhanced Waste Management Plan similar to ETWBTC (Works) No. 19/2005 – "Environmental Management on Construction Sites" to encourage on-site sorting of C&D materials and to minimize their generation during the course of construction. 	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	 Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETWB TCW No. 19/2005 	Implemented

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S7.5.1	WM3	 <u>C&D Waste</u> Standard formwork or pre-fabrication should be used as far as practicable in order to minimize the arising of C&D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Use of wooden hoardings should not be used, as in other projects. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage; The Contractor should recycle as much of the C&D materials as possible on-site. Public fill and C&D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites should be considered for such segregation and storage. 	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	 Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETWB TCW No. 19/2005 	Implemented
S7.5.1	WM4	 <u>Excavated Contaminated Soils</u> Details of the mitigation measures on handling of the contaminated soil shall be referred to Section on Land Contamination below. 	The contaminated soil will be excavated for on-site reuse	Contractor	PBH4	Prior to commencement of construction works within the contaminated area	 Practice Guide (PG) for Investigation and Remediation of Contaminated Land GN/GM for land contamination 	Implemented

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S7.5.1	WM5	 All construction plant and equipment shall be designed and maintained to minimize the risk of silt, sediments, contaminants or other pollutants being released into the water column or deposited in the locations other than designated location; All vessels shall be sized such that adequate draft is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; Before moving the vessels which are used for transporting dredged material, excess material shall be cleaned from the decks and exposed fittings of vessels and the excess materials shall never be dumped into the sea except at the approved locations; Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action. The Contractors shall monitor all vessels transporting material to ensure that no dumping outside the approved location takes place. The Contractor shall keep and produce logs and other records to demonstrate compliance and that journeys are consistent with designated locations and copies of such records shall be submitted to the engineers; The Contractors shall comply with the conditions in the dumping license. All bottom dumping vessels (Hopper barges) shall be fitted with tight fittings seals to their bottom openings to prevent leakage of material; The material shall be placed into the disposal pit by bottom dumping; 	To control pollution due to marine sediment	Contractor	Along CKR alignment	Construction stage	• ETWB TCW No. 34/2002	Implemented

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		 Contaminated marine mud shall be transported by spit barge of not less than 750m3 capacity and capable of rapid opening and discharge at the disposal site; Discharge shall be undertaken rapidly, and the hoppers shall be closed immediately. Material adhering to the sides of the hopper shall not be washed out of the hopper and the hopper shall remain closed until the barge returns to the disposal site. For Type 3 special disposal treatment, sealing of contaminant with geosynthetic containment before dropping designated mud pit would be a possible arrangement. A geosynthetic containment method is a method whereby the sediments are sealed in geosynthetic containers and, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping at the disposal site, thereby fulfilling the requirements for fully confined mud disposal. 						
S7.5.1	WM6	 <u>Chemical Waste</u> Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes; Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed, have a capacity of less than 450 L unless the specification has been approved by EPD, and display a label in English and 	Control the chemical waste and ensure proper storage, handling and disposal	Contractor	All construction sites	Construction stage	 Waste Disposal (Chemical Waste) (General) Regulation Code of Practice on the Packaging, Labelling and Storage of Chemical Waste 	Implemented after observation

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		 Chinese in accordance with instructions prescribed in Schedule 2 of the regulation; The storage area for chemical wastes should be clearly labelled and used solely for the storage of chemical waste, enclosed on at least 3 sides, have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20% of the total volume of waste stored in that area, whichever is the greatest, have adequate ventilation, covered to prevent rainfall entering, and arranged so that incompatible materials are adequately separated; Disposal of chemical waste should be via a licensed waste collector, be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers a chemical waste collection service and can supply the necessary storage containers, or be to a reuser of the waste, under approval from EPD. 						
S7.5.1	WM7	 General Refuse General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes; A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law. Aluminum cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible; 	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	Waste Disposal Ordinance	Implemented

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		• Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor.						
			Land	Contamination				
S8.9 & Appendix 8.4		 Excavation of the Contaminated Soil Prior to commencement of the excavation works at the contamination zone, the zone should be clearly marked out on site and the surface levels recorded. Excavation of contaminated material should be undertaken using dedicated earth-moving plant. The excavated contaminated soils would be stockpiled at designated area on site and covered by sheet to prevent dispersion of contamination during stockpiling. The Contractor should pay attention to the selection of suitable groundwater lowering schemes and discharge points if the groundwater table is higher than the contaminated soils during excavation. The Contractor should also obtain a valid Water Pollution Control Ordinance (WPCO) discharge licence from EPD where applicable. 	The contaminated soil will be excavated for on-site reuse	Contractor	PBH4	Prior to commencement of construction works within the contaminated area	 Practice Guide (PG) for Investigation and Remediation of Contaminated Land Guidance Notes for Contaminated Land Assessment and Remediation Guidance Manual for Use of Risk-Based 	N/A
S8.9 & Appendix 8.4	LC3	Following completion of the excavation to the specified depth, at least one sample from the base of the excavation and four samples evenly distributed along the boundary of the excavation shall be taken for a closure assessment testing. The acceptance criterion is shown below: Locations Testing requirement Acceptance Criteria PBH4 PCBs RBRGs (Public Park)					Remediation Goals (RBRGs) for Contaminated Land Management	N/A

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Appendix 8.4	LC4	 If the results of analysis below the RBRGs (Public Park), no further excavation will be required. If the analysis indicates presence of contamination (i.e. noncompliance of the acceptance criteria), further excavation shall be carried out in 0.5m increment vertically and/or horizontally depending on the location(s) of the sample(s) which has exceeded the acceptance criteria. Further sampling shall also be conducted for compliance testing. The process of excavation, sampling and compliance testing should continue until all contaminated materials are removed and should be supervised by a Land Contamination Specialist. A Remediation Report (RR) to demonstrate adequate clean-up shall be prepared and submitted to EPD for endorsement prior to the commencement of any construction/development works within the sites. No 						N/A
		construction/development works shall be carried out prior to the endorsement of the RR by EPD.						
			Haz	zard to Life				
\$9.18	H8	The driver and his assistant should be physically healthy, experienced and have good safe driving records. The driver should hold a proper driving licence for the approved transport truck. Dedicated training programme and regular road safety briefing sessions/ workshops should be provided to enhance their safe driving attitude and practice. Smoking should be strictly prohibited.	To reduce the risk during explosives transport	Contractor	Works areas at which explosives would be used	Construction stage	-	N/A
\$9.18	H9	Emergency response plans in case of road accident should be prepared and implemented. The driver and his assistant should be familiar with the emergency procedures including evacuation, and proper communication/ fire-fighting equipment should be provided to the driver and his assistant.	To reduce the risk during explosives transport	Contractor	Works areas at which explosives would be used	Construction stage	-	N/A

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			Landso	cape & Visual				
S10.10.1 Table 10.11	LV3	 <u>Good Site Management</u> 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. Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance. 	Minimize visual impact	Contractor	Within Project site	Construction stage	-	Implemented
S10.10.1 Table 10.11	LV4	 <u>Screen Hoarding</u> Decorative screen hoarding should be erected to screen the public from the construction area. It should be designed to be compatible with the existing urban context. 	Minimize visual impact	Contractor	Within Project site	Construction stage	-	Implemented
S10.10.1 Table 10.11	LV5	 Lighting Control during Construction All lighting in the construction site shall be carefully controlled to minimize light pollution and night-time glare to nearby residencies and GIC. The Contractor shall consider other security measures, which shall minimize the visual impacts. 	Minimize visual impact	Contractor	Within Project site	Construction stage	-	Implemented
S10.10.1 Table 10.11	LV6	 <u>Erosion Control</u> The potential for soil erosion shall be reduced by minimizing the extent of vegetation disturbance on site and by providing a protective cover over newly exposed soil. 	Minimize landscape impact	Contractor	Within Project site	Construction stage	-	Implemented
S10.10.1 Table 10.11	LV7	Tree Protection & Preservation • Carefully protected during construction. Tree protection measures will be detailed at the Tree Removal Application stage and plans submitted to the relevant Government Department for approval in due course in accordance with ETWB TC no. 3/2006.	Minimize landscape and visual impact	Contractor	Within Project site	Construction stage	 'Guidelines for Tree Risk Management and Assessment Arrangement on an Area 	Implemented

EIA Ref.	EM& A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
S10.10.1 Table 10.11	LV8	<u>Tree Transplantation</u> • For trees unavoidably affected by the Project that have to be removed, where practical transplantation will be chosen as the top priority method of removal. If this is not possible or practical compensatory planting will be provided for trees unavoidably felled (See LV10). For trees unavoidably affected by the Project works that are transplanted, transplantation must be carried out in accordance	Minimize landscape and visual impact	Contractor	Within Project site and designated off- site locations	Prior to Construction stage	 Basis and on a Tree Basis', Greening, Landscape and Tree Management (GLTM) Section, DEVB Latest recommended horticultural practices from GLTM Section, DEVB ETWB TCW 3/2006 Latest recommended horticultural practices from Greening, Landscape and Tree 	N/A
S10.10.1	LV9	with ETWB TCW 2/2004 and 3/2006. Compensatory Planting	Minimize	Contractor	Within Project	Construction stage	Management (GLTM) Section, DEVB • ETWB TCW 2/2004 • ETWB TCW	N/A
Table 10.11		• For trees unavoidably affected by the Project that have to be removed, where practical transportation will be chosen as the top priority method of removal but if this is not possible or practical compensatory planting will be provided for trees unavoidably	visual impact and also enhance landscape		site		 3/2006 Latest recommended horticultural practices from 	

EIA Ref.	EM& A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		 felled. All felled trees shall be compensated for by planting trees to the satisfaction of relevant Government projects. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006. Compensatory tree planting may be incorporated into public open spaces and along roadside amenity areas affected by the construction works and therefore be part of the bigger wider planting plans. Onsite compensation planting is preferred but if necessary, additional receptor sites outside the Works Area shall be agreed separately with Government during the Tree Felling Application process. 					Greening, Landscape and Tree Management (GLTM) Section, DEVB • ETWB TCW 2/2004	
S10.10.1 Table 10.11	LV10	 Screen Planting Tall screen/buffer trees, shrubs and climbers should be planted, in so far as is possible, to soften and screen proposed structures such as roads and central strip, vertical edges and buildings and to enhance streetscape greening effect where appropriate. Indiscriminate use of trees for screening must be avoided and the principle of 'right tree for the right place' must be followed. This detail will be provided at the Detailed Design stage. This measure may additionally form part of the compensatory planting and will improve and create a pleasant pedestrian environment. 	Minimize visual impact and also enhance landscape.	Contractor	Within Project Site	Construction Phase	 Guidelines on Greening of Noise Barriers, issued April 2012, GLTMS, DevB ETWB TCW 2/2004 	N/A
S10.10.1 Table 10.11	LV12	Reinstatement • All works areas, excavated areas and disturbed areas 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	Minimize landscape impact	Contractor	Within Project Site	Construction Phase	• N/A	N/A

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EIA Ref.	EM& A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		relevant Government departments. (Specific mitigation for disturbance to public open space is detailed separately under LV14)						
		Cu	ultural Heritage In	npact (Construction	n Phase)			
S11.4.4	CH1	The contractor should be alerted during the construction on the possibility of locating archaeological remains and as a precautionary measure, AMO shall be informed immediately in case of discovery of antiquities or supposed antiquities in the subject sites.	To preserve any cultural heritage items which may be removed and damaged by the excavation	Contractor	During construction works for cut and cover tunnels	Construction stage	AMOs requirements	Implemented
			EN	1&A Project				
S13.2	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual	Control EM&A Performance	Highways Department	All construction sites	Construction stage	 EIAO Guidance Note No. 4/2010 TM-EIAO 	Implemented
\$13.2- 13.4	EM2	 An Environmental Team needs to be employed as per the EM&A Manual; Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures; An environmental impact monitoring needs to be implemented by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with. 	Perform environmental monitoring & auditing	Highways Department/ Contractor	All construction sites	Construction stage	 EIAO Guidance Note No. 4/2010 TM-EIAO 	Implemented

Appendix G Monitoring Schedule of the Reporting Month

Contract No.: HY/2018/02 Central Kowloon Route Section of Kai Tak East

Environmental Monitoring Schedule (May 2024)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	1	2	3 Impact Dust Monitoring (E-A1a)	4
5	6	7 Impact Dust Monitoring (E-A1a)	8	9	10	11
12	13 Impact Dust Monitoring (E-A1a)	14	15	16	17 Impact Dust Monitoring (E-A1a)	18
19	20	21	22 Impact Dust Monitoring (E-A1a)	23	24	25
26	27	28 Impact Dust Monitoring (E-A1a)	29	30	31	1

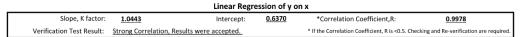
Appendix H Calibration Certificates (Air Monitoring)

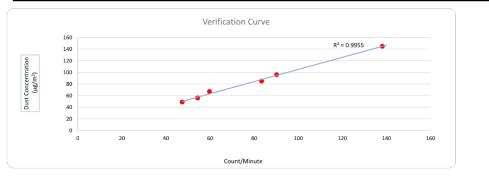
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Information of Calibrated Equipement								
Verification Test Date:	28-Nov-23	to	30-Nov-23	Next Verification Test Date:	28-Nov-24			
_ Unit-under-Test- Model No.:		Sibata LD-5R						
Unit-under-Test Serial No.:		761172						
- Our Report Refrence No.:	R	PT-23-HVS-006	i6					
- Calibration Location:	AM2, I	ocation near	the Leachate Treatme	nt Works within the NENTX Landfill				

	Standard Equipment Informat	tion
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1106	4166
Last Calibration Date:	4-Nov-23	19-Jun-23
Next Calibration Date:	3-Jan-24	19-Jun-24

			Equipement Vertification Result											
Verification		Duration			Results from	Calibrated Equipement	Results from Standard Equipment							
Test No.	Date	Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (µg/m³) y-axis							
1	28/11/2023	8789.68	8792.68	180.00	16234	90	96							
2	28/11/2023	8792.68	8795.68	180.00	15010	83	85							
3	28/11/2023	8795.68	8798.68	180.00	8526	47	49							
4	30/11/2023	8798.68	8801.68	180.00	10756	60	67							
5	30/11/2023	8801.68	8804.68	180.00	24867	138	145							
6	30/11/2023	8804.68	8807.68	180.00	9785	54	56							





Andy Li Project Technician, Environmental

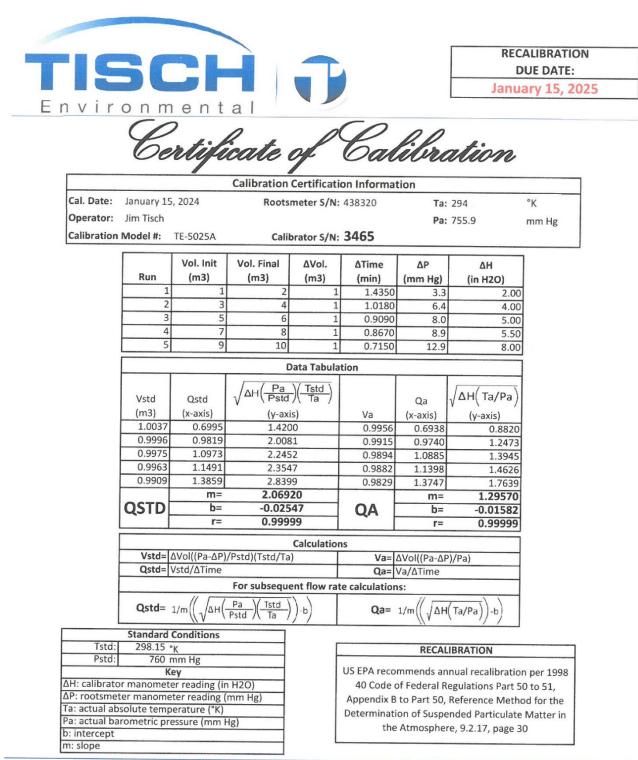
30-11-2023 Date:

Operated By:

Tandy Tse Senior Consultant, Environmental

Date: 30-11-2023

.... consertent, chvironmental



Tisch Environmental, Inc.

145 South Miami Avenue

Village of Cleves, OH 45002

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



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HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

L					Site	Information					
Loca	tion:	Kowloon	Bay F	S Worksho		EA-1a	Date:		02-May-3	2024	
Seria	al No:		1049		Model:	TE-5170X	Operator:		Andy	Li	
					Ambi	ent Condition					
Actu (mm		re during	g Calib	ration (P _a)	764.4	Actual Tempe Calibration (T	erature during		291.9)	
					Calib	ration Orifice	1				
Mode	el:				TE	-5028A	Slope (m _c):		2.0692	20	
Serial No.: Calibration Due Date:						3465	Intercept (b _c):		-0.02547		
Calib	Calibration Due Date:		15-	-Jan-25	Corr. Coeff:		0.9999	99			
					Calil	bration Data					
Pla	ate or		∆H₂C	2		, X-Axis	I, CFM		IC, Y-A	xis	
Т	est#		(in)		(m	³ /min)	(chart)		(correc	ted)	
	18		11.30)		659	65.0		65.87	,	
	13		8.40		1	.432	57.0		57.76	5	
	10		6.90			299	52.0		52.70		
	7 5		5.10 2.80			118 832	47.0		47.63		_
IC = co I = act m _c =	actual flow orrected ch tual chart r calibrator i calibrator in	nart respon esponse slope	nse				ercept				
					F	low Rate Chart					
	72.0	00									
	62.0	0						R ² = 0.	9898	-	
C)	52.0								-		
Actual Chart Response (IC)							-				
espo	42.0					•					
art R	32.0	00									
al Ch	22.0	00									
Actu	12.0	00									
		0.000	0.2	200 0.4	400 0.600	0.800	1.000 1.20	0 1.4	00	1.600	1.800
					Sta	ndard Flow Rate					
				1		(m3/min)					
Chec	ked by:_		10	h		_	Date:		02-May-2	2024	
	-										



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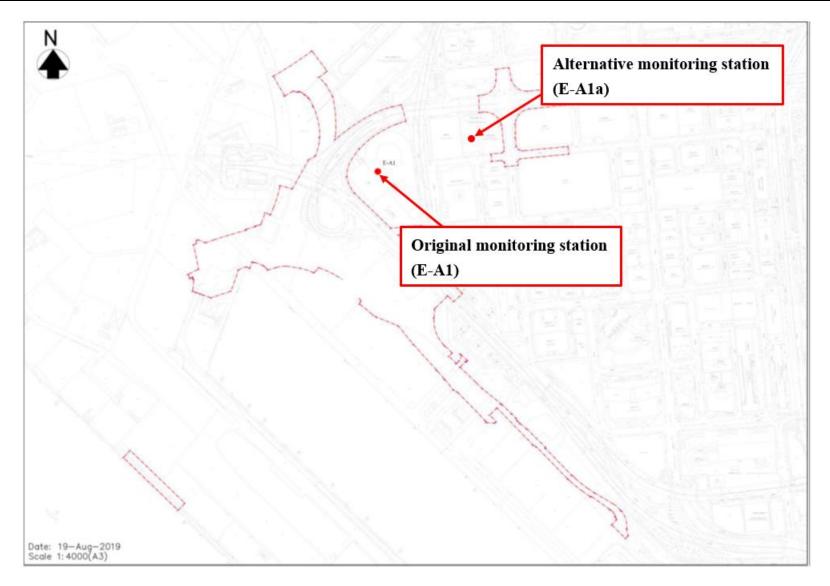
HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Locati	on: 🛛 🖡	(owloon	вау н	3 4401	Shohi	Site ID:	EA-1a	Date:	16-May-2024	
Serial			1049			Model:	TE-5170X	Operator:	Andy Li	
								1	•	
Actua	Dressu		- Calib	ration		Ami	bient Condition		1	
Actua (mm H	Pressui la):	re auring	g Calib	ration	(P _a)	766.6	Calibration (1	erature during 'a) (deg K):	291.9	
						Cali	ibration Orifice			
Model							TE-5028A	Slope (m _c):	2.06920	
Serial No.:					3465	Intercept (b _c):	-0.02547			
Calibration Due Date:				:	15-Jan-25	Corr. Coeff:	0.99999			
								1	•	
							libration Data			
	e or						a, X-Axis	I, CFM	IC, Y-Axis	
	st#		(in)				(m ³ /min)	(chart)	(corrected)	
	8 3		11.60 9.10				1.683	61.0 56.0	61.91 56.83	
	0		6.90				1.301	52.0	52.77	
	7		4.70				1.076	45.0	45.67	
	5		3.00				0.862	39.0	39.58	
IC = I*(: Qa = ac	m _c *[Sqrt Sqrt (P _a /P tual flow rected ch	_{Std})*(T _{Std} /1 rate	Г _а))		- b _c]		b= 16.5002 Calculations m = sampler slo b = sampler int		Corr. Coeff= <u>0.998</u>	
C = I*(: Qa = ac C = cor = actu m _c = ca	Sqrt (P _a /P	_{std})*(T _{std} /1 rate art respoi esponse lope	_а /Р _{Std})*(Г _а))		- b _c]		Calculations m = sampler slo $b = sampler intT_{Std} = 298 deg KP_{Std} = 760 mm HT_a = actual temp$	ercept	ration (deg K)	
C = I*(: Qa = ac C = cor = actu m _c = ca	Sqrt (P _a /P _a tual flow rected ch al chart re alibrator s	_{std})*(T _{std} /1 rate art respoi esponse lope	_а /Р _{Std})*(Г _а))		- b _c]		Calculations m = sampler slo $b = sampler intT_{Std} = 298 deg KP_{Std} = 760 mm HT_a = actual temp$	ercept Ig perature during calib	ration (deg K)	
IC = I*(: Qa = ac IC = coi I = actu m _c = ca	Sqrt (P _a /P _a tual flow rected ch al chart re alibrator s	s _{td})*(T _{std} /T rate art respoi esponse lope itercept	_а /Р _{Std})*(Г _а))		- b _c]		Calculations m = sampler slc b = sampler int $T_{Std} = 298 \text{ deg K}$ $P_{Std} = 760 \text{ mm H}$ $T_a = actual temp P_a = actual pres$	ercept Ig perature during calib	ration (deg K)	
$C = I^*(i)$ $Qa = ac$ $C = coi$ $I = actu$ $m_c = ca$ $b_c = ca$	Sqrt (P _a /P tual flow rected ch al chart re alibrator s librator in	std)*(T _{std} /T rate art respoi esponse lope itercept	_а /Р _{Std})*(Г _а))		- b _c]		Calculations m = sampler slc b = sampler int $T_{Std} = 298 \text{ deg K}$ $P_{Std} = 760 \text{ mm H}$ $T_a = actual temp P_a = actual pres$	ercept Ig perature during calib	ration (deg K)	•
$C = I^*(i)$ $Qa = ac$ $C = cor$ $C = acture m_c = ca m_c = ca$	Sqrt (P _a /P tual flow rected ch al chart ro librator s librator in 72.0	std)*(T _{std} /T rate art response lope tercept	_а /Р _{Std})*(Г _а))		- b _c]		Calculations m = sampler slc b = sampler int $T_{Std} = 298 \text{ deg K}$ $P_{Std} = 760 \text{ mm H}$ $T_a = actual temp P_a = actual pres$	ercept Ig perature during calib	ration (deg K) n (mm Hg)	•
$C = I^*(i)$ $Qa = ac$ $C = cor$ $C = acture m_c = ca m_c = ca$	Sqrt (P _a /P tual flow rected ch al chart ro alibrator s librator in 72.0 62.0	std)*(T _{std} /T rate art respoi esponse lope ttercept	_а /Р _{Std})*(Г _а))		- b _c]		Calculations m = sampler slc b = sampler int $T_{Std} = 298 \text{ deg K}$ $P_{Std} = 760 \text{ mm H}$ $T_a = actual temp P_a = actual pres$	ercept Ig perature during calib	ration (deg K) n (mm Hg)	•
$C = I^*(x)$ $Qa = ac$ $C = con$ $C = actunction = actunction = catological control = c$	Sqrt (P _a /P tual flow rected ch al chart re alibrator s librator in 72.0 62.0 52.0 42.0	std)*(T _{std} /T rate art respoi esponse lope tercept	_а /Р _{Std})*(Г _а))		- b _c]		Calculations m = sampler slc b = sampler int $T_{Std} = 298 \text{ deg K}$ $P_{Std} = 760 \text{ mm H}$ $T_a = actual temp P_a = actual pres$	ercept Ig perature during calib	ration (deg K) n (mm Hg)	•
$C = I^*(x)$ $Qa = ac$ $C = con$ $C = actunction = actunction = catological control = c$	Sqrt (P _a /P _a tual flow rected ch al chart re al chart re alibrator s librator in 72.0 62.0 62.0 52.0 42.0 32.0	stad)*(T _{stad} /T rate art response lope tercept	_а /Р _{Std})*(Г _а))		- b _c]		Calculations m = sampler slc b = sampler int $T_{Std} = 298 \text{ deg K}$ $P_{Std} = 760 \text{ mm H}$ $T_a = actual temp P_a = actual pres$	ercept Ig perature during calib	ration (deg K) n (mm Hg)	•
$C = I^*(i)$ $Qa = ac$ $C = cor$ $C = acture n_c = ca n_c = ca$	Sqrt (P _a /P _a /P tual flow rected ch al chart re alibrator s librator in 72.0 62.0 52.0 42.0 32.0 22.0	std)*(T _{std} /T rate art response lope tercept 0 0 0 0 0 0 0 0 0 0 0 0 0	_а /Р _{Std})*(Г _а))		- b _c]		Calculations m = sampler slc b = sampler int $T_{Std} = 298 \text{ deg K}$ $P_{Std} = 760 \text{ mm H}$ $T_a = actual temp P_a = actual pres$	ercept Ig perature during calib	ration (deg K) n (mm Hg)	•
C = I*(: Qa = ac C = cor = actu n _c = ca	Sqrt (P _a /P _a tual flow rected ch al chart re al chart re alibrator s librator in 72.0 62.0 62.0 52.0 42.0 32.0	stal *(T _{sta} /T rate art response lope tercept 0 0 0 0 0 0 0 0 0 0	/P _{Std})*(T _{Std} /T _a))			Calculations m = sampler slo b = sampler int T _{std} = 298 deg K P _{std} = 760 mm H T _a = actual temp P _a = actual temp Flow Rate Chart	ercept Ig berature during calibi sure during calibratic	ration (deg K) on (mm Hg) $R^2 = 0.9964$	•
$C = I^*(i)$ $Qa = ac$ $C = coi$ $I = actu$ $m_c = ca$ $b_c = ca$	Sqrt (P _a /P _a /P tual flow rected ch al chart re alibrator s librator in 72.0 62.0 52.0 42.0 32.0 22.0	std)*(T _{std} /T rate art response lope tercept 0 0 0 0 0 0 0 0 0 0 0 0 0	/P _{Std})*(0.40	0 0.60	Calculations m = sampler slo b = sampler int T _{std} = 298 deg K P _{std} = 760 mm H T _a = actual temp P _a = actual temp Flow Rate Chart	ercept Ig perature during calib	ration (deg K) on (mm Hg) $R^2 = 0.9964$	•
$IC = I^*(;$ $Qa = ac$ $IC = coi$ $I = actu$ $m_c = ca$ $b_c = ca$	Sqrt (P _a /P _a /P tual flow rected ch al chart re alibrator s librator in 72.0 62.0 52.0 42.0 32.0 22.0	stal *(T _{sta} /T rate art response lope tercept 0 0 0 0 0 0 0 0 0 0	/P _{Std})*(T _{Std} /T _a))			Calculations m = sampler sld b = sampler int T _{std} = 298 deg K P _{std} = 760 mm H T _a = actual temp P _a = actual pres Flow Rate Chart 0 0.800	ercept Ig berature during calibi sure during calibratic	ration (deg K) on (mm Hg) $R^2 = 0.9964$	•
$IC = I^*(i)$ $Qa = ac$ $IC = coi$ $I = actu$ $m_c = ca$ $b_c = ca$	Sqrt (P _a /P _a /P tual flow rected ch al chart re alibrator s librator in 72.0 62.0 52.0 42.0 32.0 22.0	stal *(T _{sta} /T rate art response lope tercept 0 0 0 0 0 0 0 0 0 0	/P _{Std})*(T _{Std} /T _a))			Calculations m = sampler slo b = sampler int T _{std} = 298 deg K P _{std} = 760 mm H T _a = actual temp P _a = actual temp Flow Rate Chart	ercept Ig berature during calibi sure during calibratic	ration (deg K) on (mm Hg) $R^2 = 0.9964$	•
$\begin{array}{l} C = $	Sqrt (P _a /P _a /P tual flow rected ch al chart re alibrator s librator in 72.0 62.0 52.0 42.0 32.0 22.0	stal *(T _{sta} /T rate art response lope tercept 0 0 0 0 0 0 0 0 0 0	/P _{Std})*(T _{Std} /T _a))			Calculations m = sampler slo b = sampler int T _{std} = 298 deg K P _{std} = 760 mm H T _a = actual temp P _a = actual pres Flow Rate Chart 0 0.800 Standard Flow Rate	ercept Ig berature during calibi sure during calibratic	ration (deg K) on (mm Hg) $R^2 = 0.9964$	•

Appendix I The Certification of Laboratory with HOKLAS Accredited Analytical Tests



Appendix J Location Plan of Air Quality Monitoring Station

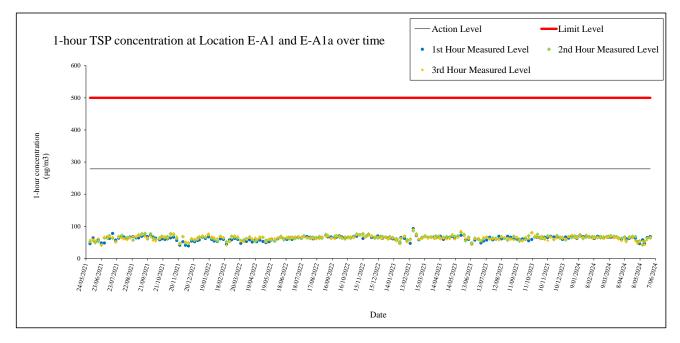


Appendix K Monitoring Data (Air Monitoring)

Location:	Fire Services Department Kowloon Bay Workshop (E-A1a)
Monitoring date:	3, 7, 13, 17, 22 and 28 May 2024
Parameter:	1-hour TSP
Other Factors:	Nearby traffic

			1-hour TSP (j	ug/m ³)	
Date	Weather	Start Time	1 st hour (μg/m ³)	2 nd hour (μg/m ³)	3 rd hour (μg/m ³)
03/05/2024	Fine	14:06	53	52	46
07/05/2024	Fine	14:12	46	54	52
13/05/2024	Fine	14:09	58	42	53
17/05/2024	Fine	14:16	46	54	43
22/05/2024	Fine	15:45	65	63	58
28/05/2024	Fine	14:18	68	64	66

Figure 1: Graphical Illustration of Measured 1-hour TSP ($\mu g/m^3$) Levels at E-A1 and E-A1a



63

Average

Location:

Monitoring date:

Fire Services Department Kowloon Bay Workshop (E-A1a)

3, 7, 13, 17, 22 and 28 May 2024

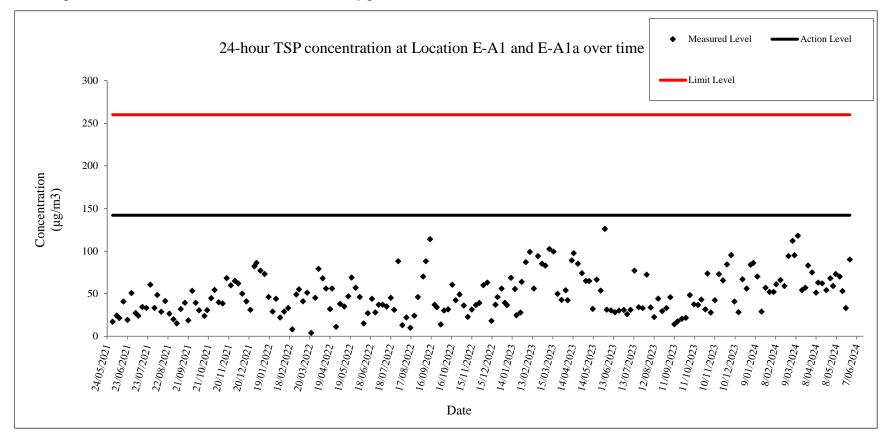
Parameter:

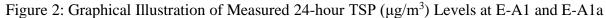
Other Factors:

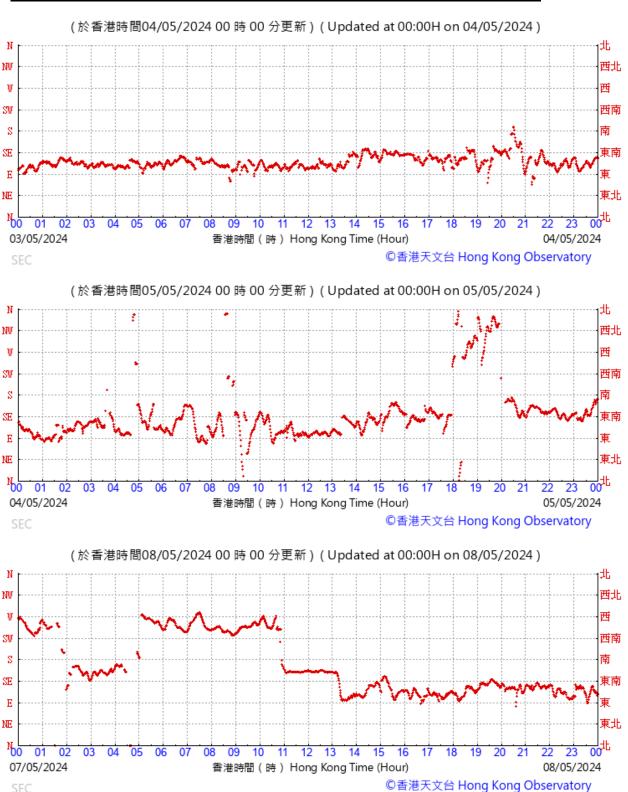
24-hour TSP

Nearby traffic

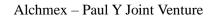
										Date of	Calibration:	2-May-24		Slope =	30.6322
										Calibrati	on due date:	16-May-24		Intercept =	14.0618
										Date of	Calibration:	16-May-24		Slope =	27.1745
										Calibrati	on due date:	30-May-24		Intercept =	16.5002
Start Date	Weather	Elapse Time		Elapse Time Chart Reading		Avg Air Temp	Avg Atmospheric Pressure	Flow Rate Standard Air Volume		Filter Weight (g)		Particulate weight	Conc.		
	Condition	Initial	Final	Actual (min)	Min	Max	Avg	(°C)	(mm hPa)	(m ³ /min)	(m ³)	Initial	Final	(g)	$(\mu g/m^3)$
03/05/2024	Fine	9595.25	9619.25	1440.00	42	42	42.0	24.2	1010.8	0.91	1310	2.6831	2.7606	0.0775	59
07/05/2024	Fine	9619.25	9643.25	1440.00	43	43	43.0	27.0	1013.7	0.94	1353	2.6424	2.7408	0.0984	73
13/05/2024	Fine	9643.25	9667.25	1440.00	43	43	43.0	26.0	1012.7	0.97	1398	2.7208	2.8184	0.0976	70
17/05/2024	Fine	9667.25	9691.25	1440.00	42	42	42.0	26.1	1011.1	0.93	1341	2.7153	2.7867	0.0714	53
22/05/2024	Fine	9691.25	9715.25	1440.00	45	45	45.0	27.2	1009.2	1.03	1490	2.6920	2.7411	0.0491	33
28/05/2024	Fine	9715.25	9739.25	1440.00	43	43	43.0	27.0	1004.4	0.95	1375	2.6496	2.7740	0.1244	90
	-							-	-	-				Min	33
														Max	90

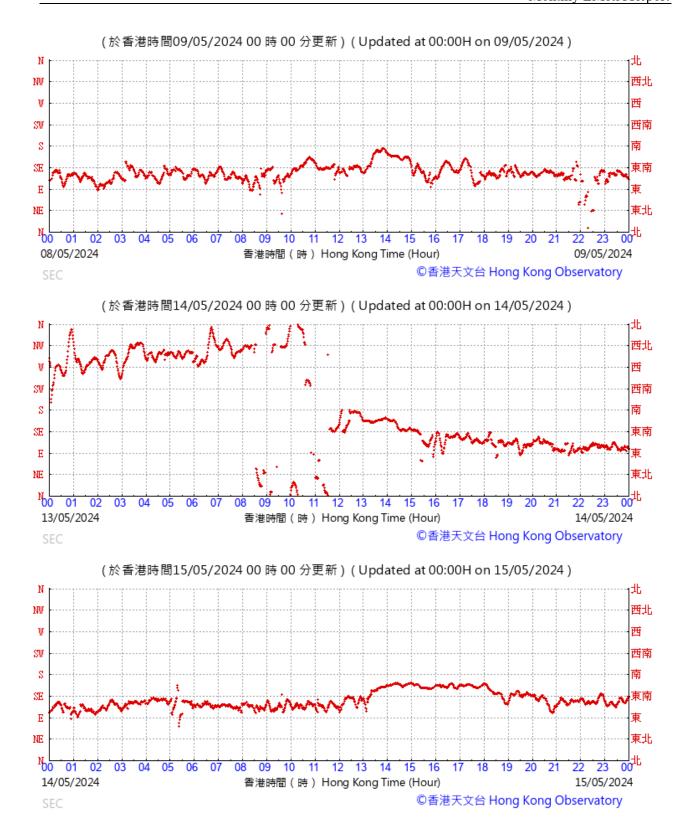


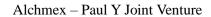


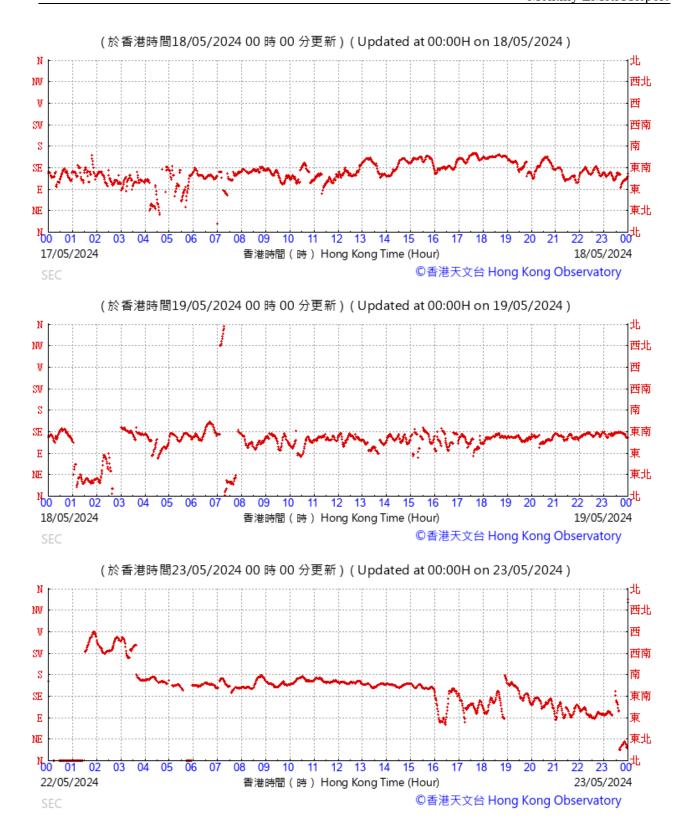


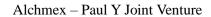
WIND DIRECTION DATA FOR 3, 4, 7, 8, 13, 14, 17, 18, 22, 23, 28 and 29 May 2024

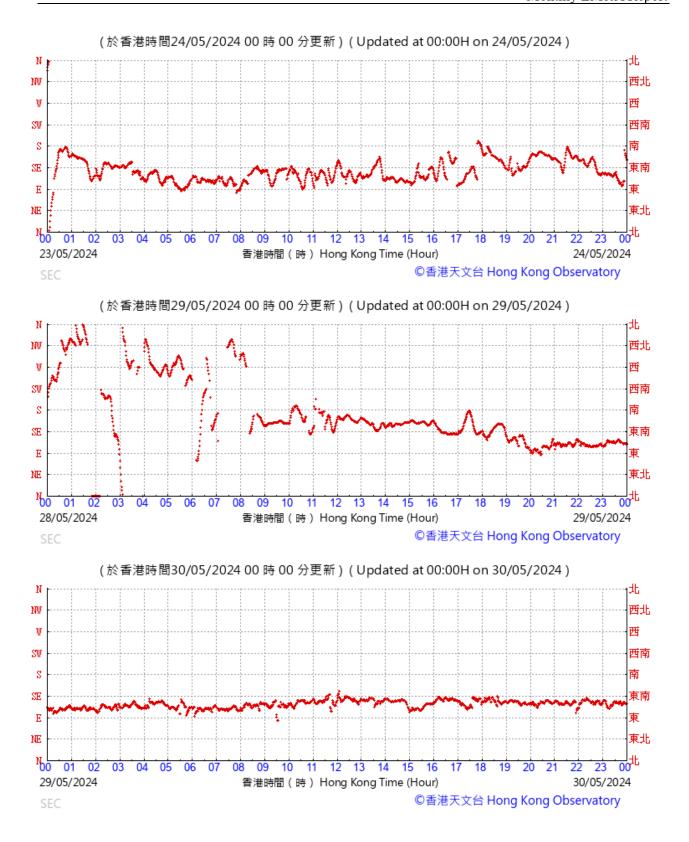


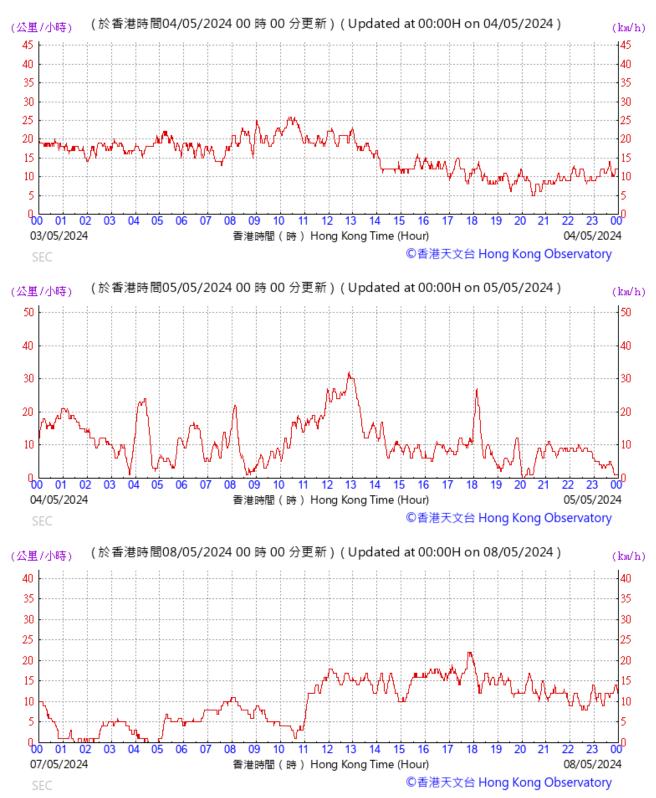




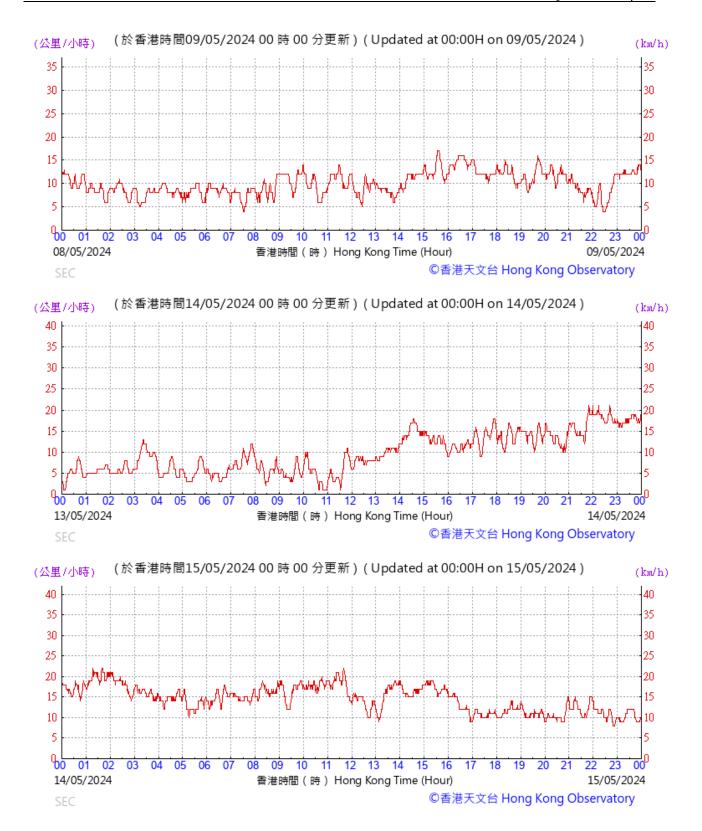


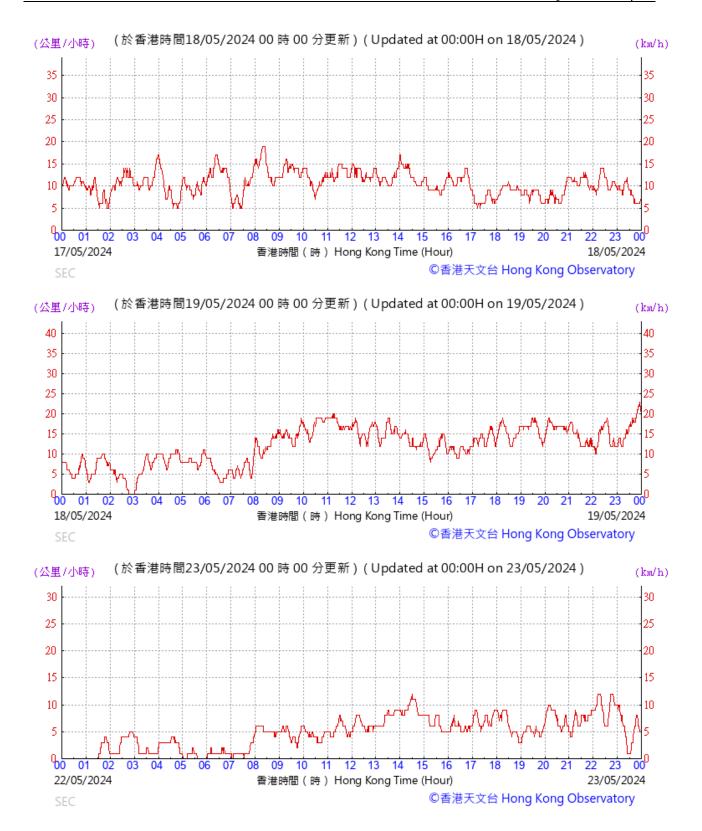


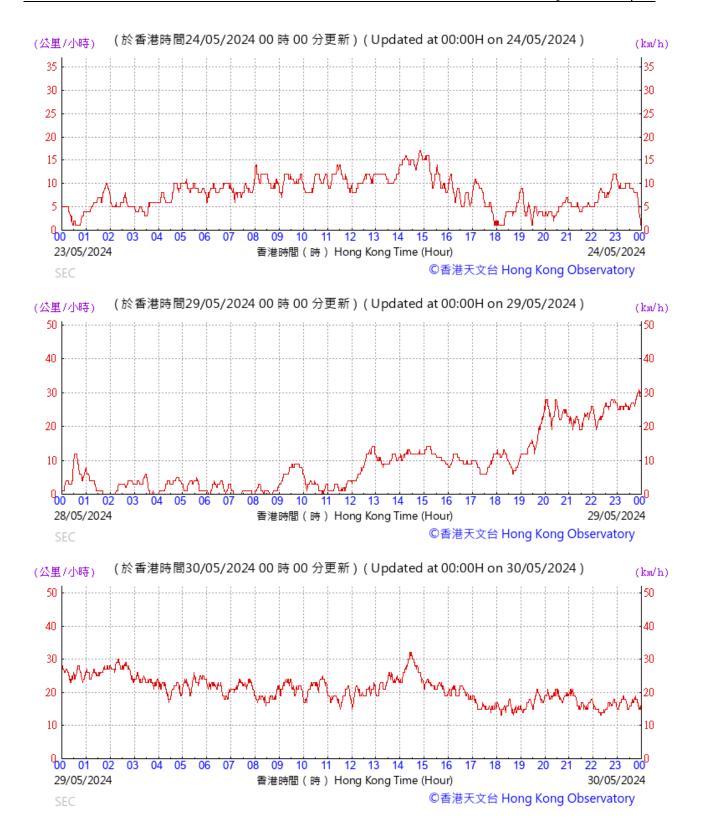




WIND SPEED DATA FOR 3, 4, 7, 8, 13, 14, 17, 18, 22, 23, 28 and 29 May 2024







Appendix L Waste Flow Table



Name of Department: HyD

Contract No.: HY/2018/02 Central Kowloon Route - Kai Tak East

Monthly Summary Waste Flow Table - April 2024

	Actual Quantities of Inert C&D Material Generated Monthly								A	ctual Quantities	of C&D Waste G	enerated Monthl	у							
Month	Total Qty Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects (KSZHJV)	Reused in other Projects (SFK)	Reused in other Projects (CWB)	Reused in other Projects (TKO- LTT)		Reused in other Projects (SFK- DH)		Disposal at Sorting Facility	Disposed as Public Fill	Imported Fill	Metals (Steel)	Metals (Aluminum)	Metals (Copper)	Paper/cardboar d packaging	Plastics	Chemical Waste	Others, e.g. general refuse
	(in '000tonne)	(in '000tonne)	(in '000tonne)	(in '000tonne)	(in '000tonne)	(in '000tonne)	(in '000tonne)	(in '000tonne)	(in '000tonne)	(in '000tonne)	(in '000tonne)	(in '000tonne)	(in '000tonne)	(in 'kg)	(in 'kg)	(in 'kg)	(in 'kg)	(in 'kg)	(in 'kg)	(in 'kg)
2019	7.12	0.34	0.14	NIL	NIL	NIL	NIL	0.00	NIL	NIL	NIL	7.88	0.00	22,570.00	0.00	0.00	50.00	0.00	0.00	500,000.00
2020	142.34	0.00	0.14	NIL	4.40	19.47	NIL	10.50	NIL	NIL	0.62	104.95	1.11	207,420.00	48.00	0.00	1,284.00	0.00	0.00	419,060.00
2021	98.11	0.00	0.10	2.28	0.00	13.42	0.17	2.32	1.63	20.50	0.00	57.79	0.00	1028670.00	0.00	0.00	525.00	0.00	0.00	1100340.00
2022	13.34	0.00	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.99	0.00	1716230.00	0.00	0.00	715.00	0.00	80.00	1328300.00
2023	5.58	0.00	5.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.23	2.50	1,492,710.00	0.00	0.00	510.00	0.00	0.00	1,334,730.00
Jan	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.91	1.70	0.00	0.00	0.00	100.00	0.00	0.00	180520.00
Feb	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.00	0.00	50.00	0.00	0.00	143690.00
Mar	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.00	0.00	0.00	0.00	100.00	0.00	0.00	244620.00
Apr	0.00	0.00 0.00	0.00 0.00	0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00	0.00	0.00 0.00	0.00 0.00	1.66 1.16	0.00 0.00	0.00	0.00	0.00	120.00	0.00	0.00	387420.00 307740.00
May June	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	100.00	0.00	0.00	307740.00
July																				
Aug																				
Sep																				
Oct																				
Nov																				
Dec																				
Total	271.91	0.34	6.96	2.28	4.40	32.89	0.17	12.83	1.63	20.50	0.62	196.32	5.30	4,467,600.00	48.00	0.00	3,594.00	0.00	80.00	6,232,030.00

Appendix M Statistics on Complaint, Notifications of Summons and Successful Prosecutions

Statistical Summary of Exceedances							
	Air Quality						
Location	Action Level	Limit Level	Total				
E-A1a	0	0	0				

Statistical Summary of Environmental Complaints

Donorting Daried	Environmental Complaint Statistics					
Reporting Period	Frequency	Cumulative	Complaint Nature			
1 May 2024 - 31 May 2024	0	3	N/A			

Statistical Summary of Environmental Non-compliance

Donouting Douiod	Environmental Non-compliance Statistics					
Reporting Period	Frequency	Cumulative	Details			
1 May 2024	0	0				
31 May 2024	0	0	N/A			

Statistical Summary of Environmental Summons

Departing Deriod	Environmental Summons Statistics					
Reporting Period	Frequency	Cumulative	Details			
1 May 2024 	0	0	N/A			

Statistical Summary of Environmental Prosecution

Departing Devied	Environmental Prosecution Statistics					
Reporting Period	Frequency	Cumulative	Details			
1 May 2024 - 31 May 2024	0	0	N/A			

Appendix N Monitoring Schedule of the Coming Month

Contract No.: HY/2018/02 Central Kowloon Route Section of Kai Tak East

Tentative Environmental Monitoring Schedule (June 2024)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	31	1
2	3 Impact Dust Monitoring (E-A1a)	4	5	6	7 Impact Dust Monitoring (E-A1a)	8
9	10	11	12	13 Impact Dust Monitoring (E-A1a)	14	15
16	17	18	19 Impact Dust Monitoring (E-A1a)	20	21	22
23	24	25 Impact Dust Monitoring (E-A1a)	26	27	28 Impact Dust Monitoring (E-A1a)	29
30	1	2	3	4	5	6

Central Kowloon Route Buildings, Electrical and Mechanical Works Contract No. HY/2019/13 (Kai Tak East Area)

Gammon Construction Limited

Contract No. HY/2019/13 Central Kowloon Route – Buildings, Electrical and Mechanical Works

Monthly EM&A Report No. 44 (May 2024)

Version 1.1 Date of Report: 7 June 2024

Certified By

BC'.

(Environmental Team Leader:

Ms. Betty Choi)

REMARKS:

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

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

CINOTECH CONSULTANTS LTD

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Environmental Permit No. EP-457/2013/D

Central Kowloon Route

Independent Environmental Checker Verification

Works Contract:	Buildings, Electrical and Mechanical Works (HY/2019/13)
Reference Document/Plan	
Document/Plan to be Certified/ Verified:	Monthly EM&A Report No.44 (Version 1.1) for Kai Tak East & Yau Ma Tei West Areas
Date of Report:	7 June 2024
Date received by IEC:	7 June 2024

Reference EP Condition

Environmental Permit Condition:

Submission of Monthly EM&A Report of the Project

3.4 Four hard copies and one electronic copy of monthly EM&A Report shall be submitted to the Director within 2 weeks after the end of each reporting month throughout the entire construction period. The EM&A Reports shall include a summary of all non-compliance. The submissions shall be certified by the ET Leader and verified by the IEC as complying with the requirements as set out in the EM&A Manual before submission to the Director. Additional copies of the submission shall be provided to the Director upon request by the Director.

3.4

IEC Verification

I hereby verify that the above referenced document/plan complies with the above referenced condition of EP-457/2013/D.

Mandy 20.

Ms Mandy To Independent Environmental Checker Date:

11 June 2024

Our ref: 0436942_IEC Verification Cert_BEM_Monthly EM&A Rpt No.44_20240611.docx

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- Appendix C Environmental Mitigation Implementation Schedule (EMIS)
- Appendix D Summaries of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

EXECUTIVE SUMMARY

Introduction

- This is the 44th Monthly Environmental Monitoring and Audit (EM&A) Report prepared by the Environmental Team (ET), Cinotech Consultants Ltd., for Contract No. HY/2019/13 "Central Kowloon Route – Buildings, Electrical and Mechanical Works". This report summarized the monitoring results and audit findings of the EM&A programme under the issued EP No. EP-457/2013/D, and in accordance with the EM&A programme in Kai Tak East Area during the reporting period from 1st May 2024 – 31st May 2024.
- 2. The major site activities undertaken in Kai Tak East Area in the reporting month included:
 - ÅBWF works
 - E&M installation

Environmental Monitoring Works

- 3. Environmental monitoring for the Project was performed in accordance with the EM&A Manual and the monitoring results were checked and reviewed. Joint weekly site inspections with the representative of ET, Engineer Representative and the Contractor were conducted on 7, 14, 21, and 28 May 2024, whereas joint site inspection with the representative of IEC was conducted on 14 May 2024. The implementation of the environmental mitigation measures, Event and Action Plans and environmental complaint handling procedures were also checked.
- 4. A summary of the non-compliance (exceedance) during the reporting month (May 2024) and the investigation results and/or follow-up actions is provided below:

Air Quality Monitoring

- No Action/Limit Level exceedance for 1-hour TSP was recorded.
- No Action/Limit Level exceedance for 24-hour TSP was recorded.

Landscape and Visual Monitoring

• No non-conformity for landscape and visual was recorded.

Complaint Handling, Prosecution and Public Engagement

5. Summary of complaint/summons/prosecution in the reporting month is tabulated in **Table I**.

	e e e e e e e e e e e e e e e e e e e	nt Details	Follow-up/ Remedial	Status/ Remarks		
Event	Number	Brief Description	Actions			
Complaints Received	0	-	-	-		
Notification of Summons and Prosecutions Received	0	-	-	-		

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

Reporting Changes

6. There were no reporting changes during the reporting month.

Future Key Issues

- 7. The key works or activities will be anticipated in the coming two months are as follows:
 - ABWF works
 - E&M installation

1 INTRODUCTION

Background

- 1.1 Central Kowloon Route (CKR) is a 4.7km long dual 3-lane trunk road across Central Kowloon linking Yau Ma Tei Interchange in West Kowloon and the road network at Kai Tak Development and Kowloon Bay in East Kowloon. The underground tunnel section will be about 3.9km long. In particular, an underground tunnel of about 370m long in Kowloon Bay to the north of To Kwa Wan Typhoon Shelter will be constructed.
- 1.2 The Environmental Impact Assessment Report for Central Kowloon Route Design and Construction (Register No.: AEIAR-171/2013) was approved under the Environmental Impact Assessment Ordinance (EIAO) on 11 July 2013. An Environmental Permit (EP No.: EP-457/2013) was issued on 9 August 2013. Variations of Environmental Permit (VEP) was subsequently applied and an EP (EP No. EP-457/2013/C) was issued on 16 January 2017. The latest EP (EP No. EP-457/2013/D) was issued by Environmental Protection Department (EPD) on 15 June 2021.
- 1.3 The construction of the CKR had been divided into different sections. This Contract No. HY/2019/13 – Central Kowloon Route – Buildings, Electrical and Mechanical Works ("The Project") will include the architectural, civil and structural construction works of Yau Ma Tei Ventilation Building (YVB), Ho Man Tin Ventilation Building (HVB), Kai Tak Ventilation Building (KVB) and Central Kowloon Route Administration Building (ADB) for the CKR. The landscaping and electrical and mechanical (E&M) works within the building sites will be involved as well.
- 1.4 Cinotech Consultants Limited was assigned as the Environmental Team (ET) to undertake the EM&A works for the Project. The construction of this Contract was commenced on 12th December 2020.

Purpose of the Report

1.5 This is the 44th Monthly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme in Kai Tak East Area during the reporting period from 1st May 2024 – 31st May 2024. The Kai Tak East Area site layout plan for the Project is shown in **Figure 1.1**.

Project Organizations

- 1.6 Different Parties with different levels of involvement in the project organization include:
 - Project Proponent Highways Department (HyD)
 - Engineer Representative (ER) Arup Mott MacDonald Joint Venture (AMMJV)
 - Environmental Team (ET) Cinotech Consultants Limited (Cinotech)
 - Independent Environmental Checker (IEC) Environmental Resources Management Hong Kong Limited (ERM)
 - Contractor Gammon Construction Limited (GCL)

1.7 The key contacts of the Project are shown in **Table 1.1**.

Party	Role	Contact Person	Phone No.			
AMMJV	Engineer Representative	Mr. Tommy Wong	3695 0419			
Cinotech	Environmental Team	Ms. Betty Choi	2151 2072			
ERM	Independent Environmental Checker	Ms. Mandy To	2271 3113			
GCL	Contractor	Mr. Sampson Lo	9752 9118			

Table 1.1 Key Project Contacts

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

Construction Activities undertaken during the Reporting Month

- 1.9 The construction programme is presented in **Appendix A**.
- 1.10 The major site activities undertaken in the reporting month included:
 - ABWF works
 - E&M installation

Summary of EM&A Requirements

- 1.11 The EM&A programme requires air quality monitoring, landscape and visual monitoring and environmental site audit. The EM&A requirements for each parameter are described in the following sections, including:
 - Environmental requirements and mitigation measures, as recommended in the EM&A Manual under the EP.
- 1.12 The advice on the implementation status of environmental protection and pollution control/mitigation measures is summarized in Section 6 of this report.

Statues of Environmental Licensing and Permitting

1.13 All permits/licenses obtained for the Project are summarized in Table 1.2.

Table 1.2 Summary of Environmental Licensing and Permit Status

Permit / License No.	Valid P	Status							
T et mit / License 140.	From	То	Status						
Environmental Permit (EP)									
EP-457/2013/D	15 Jun 2021	N/A	Valid						
Notification of Construction Works under Air Pollution Control Ordinance (APCO)									
457346	19 Jun 2020	End of Project	Valid						
Billing Account for Construction W	Vaste Disposal								
7037679	26 Jun 2020	N/A	Valid						
Registration of Chemical Waste Pr	oducer – Kai Tak								
5211-286-G2347-54	15 Jul 2020	N/A	Valid						
Wastewater Discharge Licence - Ka	ai Tak								
WT00037178-2020	18 Dec 2020	31 Dec 2025	Valid						
Wastewater Discharge Licence at F	Kai Tak Site office								
WT00041796-2022	20 Sep 2022	30 Sep 2027	Valid						
Construction Noise Permit - Kai Ta	ak Site								
GW-RE0374-24	1 Apr 2024	31 Aug 2024	Valid						
Construction Noise Permit for Wor	ks at 2nd office								
GW-RE0230-24	2 Mar 2024	1 Sep 2024	Valid						

2 AIR QUALITY

Monitoring Requirements

2.1 As all of the air quality (1-hour TSP and 24-hour TSP) monitoring works in Kai Tak East Area are currently covered under the Contract No. HY/2018/02 (Central Kowloon Route - Kai Tak East), the corresponding monitoring parameters, equipment, methodology, results and established Action and Limit Levels could be referred to Section 3 of the EM&A report for Contract No. HY/2018/02 during this reporting month.

Observations

- 2.2 No Action/Limit Level exceedance was recorded for all 1-hour TSP and 24-hour TSP monitoring in the reporting month.
- 2.3 Site audits were carried out on a weekly basis to monitor and audit the timely implementation of air quality mitigation measures within the site boundaries of this Project. The summary of site audits is shown in **Table 6.1** of this report.

3 NOISE

Monitoring Requirements

3.1 As no Noise Sensitive Receiver (NSR) is located within 300m from the boundary of Kai Tak East Area, no construction noise monitoring is required in Kai Tak East Area for this Project.

Observations

3.2 Site audits were carried out on a weekly basis to monitor and audit the timely implementation of construction noise mitigation measures within the site boundaries of this Project. The summary of site audits is shown in **Table 6.1** of this report.

4 WASTE MANAGEMENT

Monitoring Requirements

4.1 Waste generated from this Project includes inert construction and demolition (C&D) materials and non-inert C&D materials. Inert C&D waste includes soil, broken rock, broken concrete and building debris, while non-inert C&D materials are made up of C&D waste which cannot be reused or recycled and has to be disposed of at the designated landfill sites.

Results and Observations

4.2 The quantities of different types of waste generated in the reporting month are summarised in **Table 4.1**. Details of the amount of wastes generated by the major site activities of this Project during the reporting month is shown in **Appendix B**.

Table 4.1 Quantities of Waste Generated from the Project

			Quar	ntity									
	Inert C&I) Materials		Non-inert C&D Materials									
Reporting	Total	Disposed as	Others, e.g.	Metals	Paper/cardboard	Plastics	Chemical						
Period	Quantity	Public Fill	general (in		Packaging	(in	waste (in						
	Generated	(in '000m ³)	refuse (in	'000kg)	(in '000kg)	'000kg)	'000kg)						
	(in '000m ³)		'000m ³)										
May 2024	0.194	0.194	1.662	0	0	0	0						

4.3 Site audits were carried out on a weekly basis to monitor and audit to ensure that proper storage, transportation, and disposal practices of waste materials generated during construction activities, such as construction and demolition (C&D) materials and general refuse are being implemented. The summary of site audits is shown in **Table 6.1** of this report. The implementation status of the waste/chemical management measures in the reporting period are summarized in **Appendix C**.

5 LANDSCAPE AND VISUAL

Monitoring Requirements

5.1 According to the EM&A Manual, site audits would be undertaken during the construction phase of the Project to check that the proposed landscape and visual mitigation measures are properly implemented and maintained as per their intended objectives. Site inspections of the implementation of landscape and visual mitigation measures would be undertaken at least once every two weeks during the construction period.

Results and Observations

- 5.2 Bi-weekly inspection of the implementation of landscape and visual mitigation measures within the site boundaries of this Project was conducted on 7 & 21 May 2024. The implementation status of the landscape and visual mitigation measures in the reporting period are summarized in **Appendix C**. The summary of observations and recommendations made for landscape and visual mitigation measures during site audits are shown in **Table 6.1** of this report.
- 5.3 No non-compliance of the landscape and visual impact was recorded in the reporting month.

6 ENVIRONMENTAL AUDIT

Site Audits

- 6.1 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.
- 6.2 Site audits were conducted on 7, 14, 21, and 28 May 2024 in the reporting month. Joint site inspection with the representative of IEC was conducted on 14 May 2024. No non-compliance was observed during the site audit.

Implementation Status of Environmental Mitigation Measures

- 6.3 According to Environmental Permit, the approved EIA Report (Register No.: AEIAR-171/2013), and the EM&A Manual of the Project, 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 C**.
- 6.4 The ET weekly site inspections were carried out during the reporting month and the observations and follow-up actions in Kai Tak East Area are summarized in **Table 6.1**.

Parameters	Date	Observations	Follow-up Actions			
Water Quality	7 May 2024	Ponding water should be removed.	Ponding water has been removed.			
Air Quality	14 May 2024	Stock of more than 20 bags of cement should be covered.	The stock of cement has been covered.			
Noise	N/A	No environmental deficiency was identified in the reporting period.	N/A			
Waste / Chemical Management	7, 14, 28 May 2024	General refuse should be disposed of properly.	General refuse has been removed.			
Land Contamination	N/A	No environmental deficiency was identified in the reporting period.	N/A			
Landscape and Visual	N/A	No environmental deficiency was identified in the reporting period.	N/A			
Permits /Licences	N/A	No environmental deficiency was identified in the reporting period.	N/A			

 Table 6.1 Observations and Recommendations of Site Inspections

Implementation Status of Event and Action Plans

6.5 The Event and Action Plans for noise could be referred to **Appendix D** of the EM&A report in Contract No. HY/2018/02.

Air Quality Monitoring

- No Action/Limit Level exceedance for 1-hour TSP was recorded.
- No Action/Limit Level exceedance for 24-hour TSP was recorded.

Landscape and Visual Monitoring

• No non-conformity for landscape and visual was recorded.

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

- 6.6 No environmental complaint and no warning, notifications of summons and successful prosecutions was received in the reporting month. The summary of environmental complaint, warning, summon and notification of successful prosecution for the Project is presented in Appendix D.
- 6.7 Status of required submission under EP-457/2013/D during the reporting period are summarized in **Table 6.2**.

Table 6.2 Status of Required Submission under Environmental Permit

EP Condition (EP-457/2013/D)	Submission	Submission Date
Condition 3.4	Monthly EM&A Report (April 2024)	14 May 2024

7 FUTURE KEY ISSUES

- 7.1 Major site activities undertaken for the coming two months include:
 - ABWF works
 - E&M installation
- 7.2 Key environmental issues in the coming two months include:
 - Stockpile accumulation on-site;
 - Water spraying for dust generating activities and on haul road;
 - Wastewater and runoff discharge from site;
 - Coverage of open manholes to avoid dirty runoff to drainage system;
 - Noise from operation of the equipment, especially for excavation works and machinery onsite;
 - Accumulation of general refuse and construction waste on-site;
 - Proper storage of construction materials on-site; and
 - Storage of chemicals/fuel and chemical waste/waste oil on-site.

8 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

8.1 This is the 44th Monthly EM&A Report which presents the EM&A works undertaken in Kai Tak East Area during the reporting month from 1st May 2024 – 31st May 2024 in accordance with the EM&A Manual and the requirements under the EP.

Air Quality Monitoring

8.2 No Action/Limit Level exceedance was recorded for all 1-hour and 24-hour TSP monitoring in the reporting month.

Landscape and visual

8.3 No non-compliance was recorded in the reporting month.

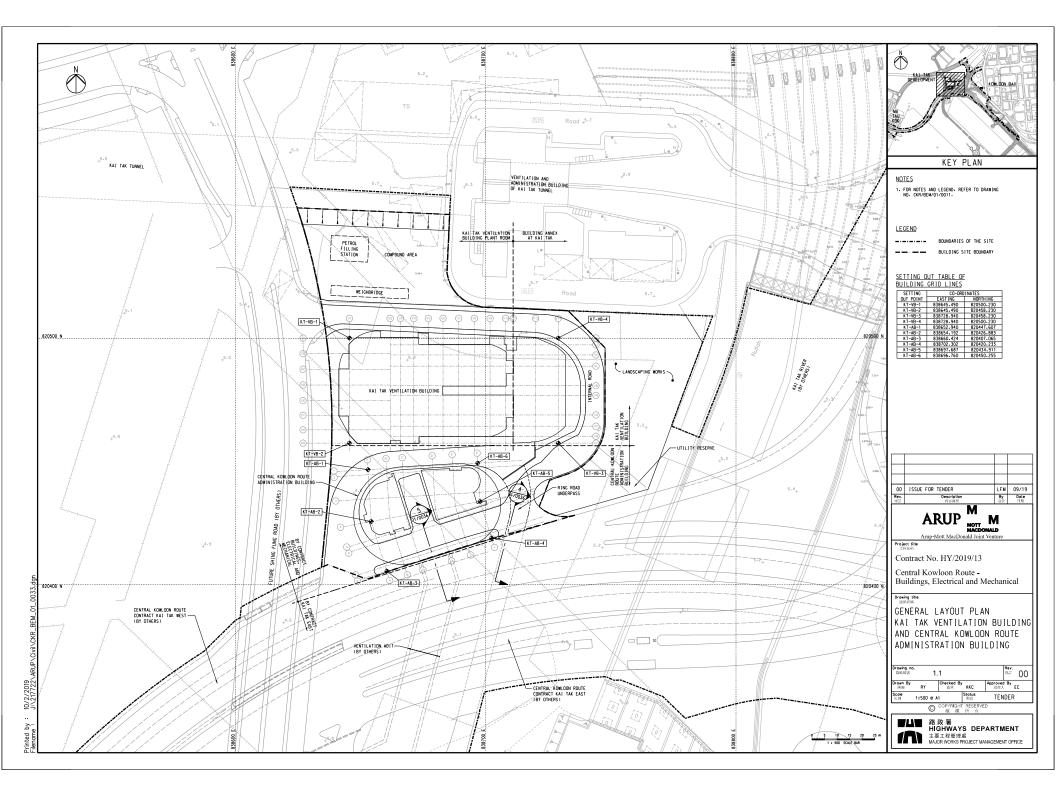
Site Audit

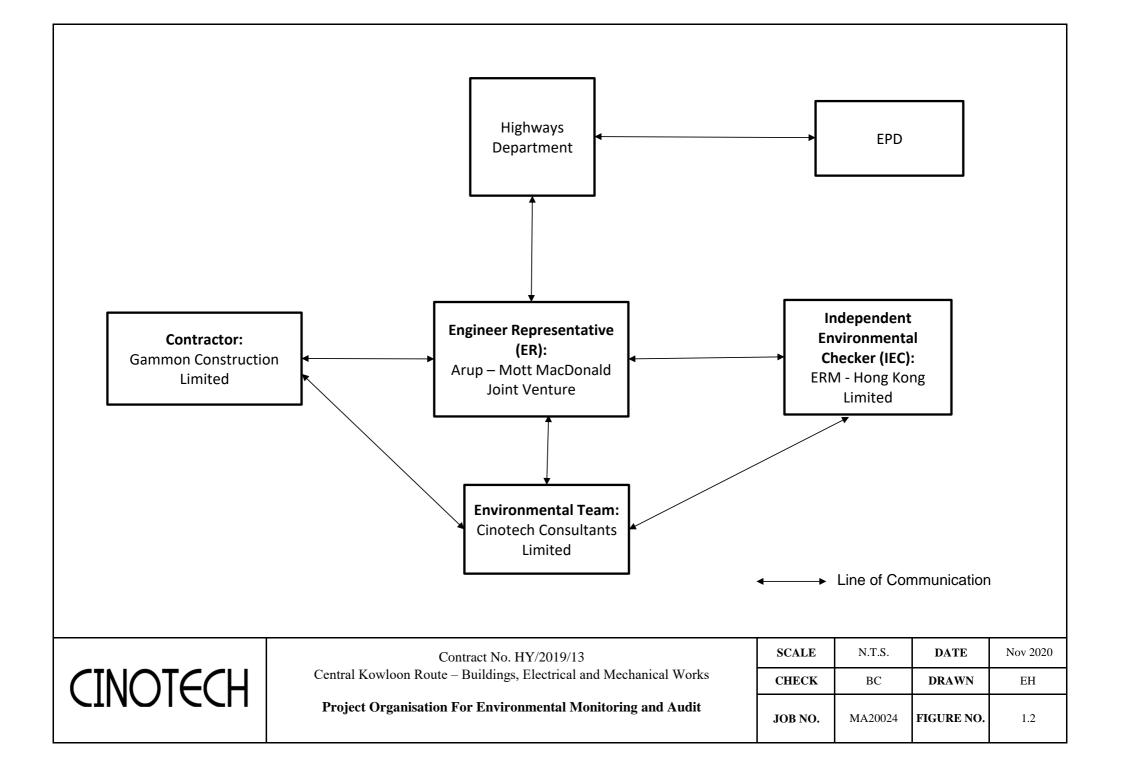
8.4 4 ET joint weekly environmental site inspections were conducted in the reporting month. Joint weekly site inspections with the representative of ET, Engineer Representative and the Contractor were conducted on 7, 14, 21, and 28 May 2024, whereas joint site inspection with the representative of IEC was conducted on 14 May 2024. All environmental deficiencies observed during site inspections were rectified by the Contractor.

Complaint, Notification of Summons and Successful Prosecution

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

FIGURES

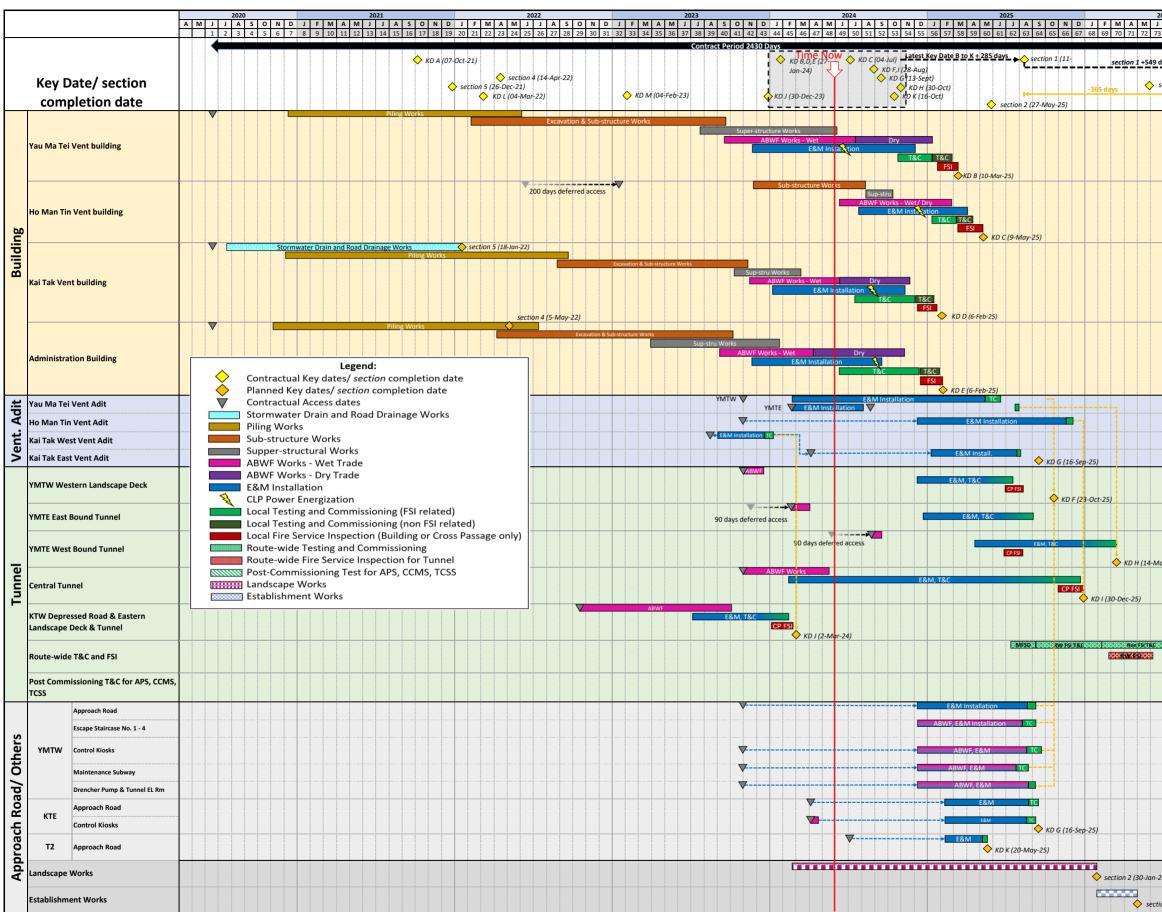




APPENDIX A CONSTRUCTION PROGRAMME



Contract No. HY/2019/13 Central Kowloon Route - Buildings, Electrical and Mechanical Works Summary Programme





026											20	27								20	28		
1	Α	S	0	Ν	D	J	F	Μ	Α	М	1	1	Α	S	0	Ν	D	1	F	М	Α	м	J
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APPENDIX B SUMMARY OF WASTE GENERATION AND DISPOSAL RECORDS

Monthly Summary Waste Flow Table

[PS Clauses 25.24(11)S & 25.34(16)(a)]

Annex 4 to Appendix C

Name of Department: HyD

Contract No.: HY/2019/13

Central Kowloon Route - Buildings, Electrical and Mechanical Works

Kai Tak Site Area

Monthly Summary Waste Flow Table for <u>2024</u> (year)

		Actual Quantit		Materials Genera			Quantites of C&I	D Waste Generat	ted Monthly			
	Total Quantity	Hard Rock and	Reused in the	Reused in	Disposed as	Imported Fill	Metals	Paper /	Plastics	Chemical	Marine	Others, e.g.
	Generated	Large Broken	Contract	other Projects	Public Fill	(see Note 5)		cardboard	(see Note 3)	Waste	Sediment	general refuse
		Concrete	(see Note 5)	(see Note 5)	(see Note 5)			packaging		(see Note 5)	(see Note 7)	(see Note 5)
		(see Note 5)										
Month	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m3)	(in '000m3)
Jan	0.145	0.000	0.000	0.000	0.145	0.000	0.000	0.000	0.000	0.000	0.000	0.733
Feb	0.169	0.000	0.000	0.000	0.169	0.000	0.000	0.000	0.000	0.000	0.000	0.623
Mar	0.254	0.000	0.000	0.000	0.254	0.000	0.000	0.000	0.000	0.000	0.000	1.138
Apr	0.483	0.000	0.000	0.000	0.483	0.000	0.000	0.000	0.000	0.000	0.000	1.455
May	0.194	0.000	0.000	0.000	0.194	0.000	0.000	0.000	0.000	0.000	0.000	1.662
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sub-Total	1.244	0.000	0.000	0.000	1.244	0.000	0.000	0.000	0.000	0.000	0.000	5.611
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total (2024)	1.244	0.000	0.000	0.000	1.244	0.000	0.000	0.000	0.000	0.000	0.000	5.611
Total (whole)	106.574	0.000	0.782	2.615	103.177	0.000	0.000	0.000	0.000	1.080	0.000	11.131

Note:

(1) The performance targets are given in PS Clause 25.24

(2) The waste flow table shall also include C&D materails that are specified in the Contract to be imported for use at the Sites.

(3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials, and water barriers

(4)

The summary table shall be submitted to the Project Manager monthly together with the Waste Flow Table for review and monitoring in accordance with the PS Clause 25.24

(5) Density values and Bulk Factors adopted:

Hard Rock and Large Broken Concrete:	2.4 T/m3 (in-situ)	Bulk Factor:	1.25
Soil / Fill:	2.0 T/m3 (in-situ)	Bulk Factor:	1.1
Marine Sediment:	1.7 T/m3 (in-situ)	Bulk Factor:	1.3
General Refuse:	400 kg/m3		
Chemical Waste (mainly used lubricant):	900 kg/m3		
Tree Trunk / Tree Stump:	850 kg/m3 (in-situ)	Bulk Factor:	1.1

(6) The reported and forecast volume figures are in "bulk" volume, with Bulk Factor applied as per Note (5)

(7) This figure refers to marine sediment disposed via dumping at sea. Treated Sediment for Reuse on-site will be categorized into "Reused in the Contract"

APPENDIX C ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
	n Dust Impact			-			1200	^
S4.3.10	Dl	The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	stage	- APCO - To control the dust impact to meet HKAQO and TM-EIA criteria	ň
S4.3.10	D2	Mitigation measures in form of regular watering under a good site practice should be adopted. Watering once per hour on exposed worksites and haul road should be conducted to achieve dust removal efficiencies of 91.7%. While the above watering frequencies are to be followed, the extent of watering may vary depending on actual site conditions but should be sufficient to maintain an equivalent intensity of no less than 1.3 L/m2 to achieve the dust removal efficiency.	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites		- APCO - To control the dust impact to meet HKAQO and TM-EIA criteria	٨
\$4.3.10	D3	Proper watering at exposed spoil should be undertaken throughout the construction phase. Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites		- APCO - To control the dust impact to meet HKAQO and TM-EIA criteria	^
		and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading.					стиена	
		Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads.						۸
		A stockpile of dusty material should not be extended beyond the pedestrian barriers, fencing or traffic cones.						۸
		The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle.						٨
		Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores.						٨

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided and properly maintained as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period.						۸
		The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials.						٨
		Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously.						٨
		Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet						٨
		Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding.						N/A
		Any skip hoist for material transport should be totally enclosed by impervious sheeting.						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.						N/A
		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.						٨

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies.						N/A
S4.3.10	D6	Implement regular dust monitoring under EM&A programme during the construction stage.	Monitoring of dust impact	Contractor	Selected rep. dust monitoring station	Construction stage	- TM-EIA	٨
Construction	n Noise (Airbor	ne)						
\$5.4.1	N1	Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme.	Control construction airborne noise	Contractor	All construction sites	Construction stage	- Annex 5, TM-EIAO	۸
		Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.						۸
		Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs.						۸
		Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works.						۸
		Mobile plant should be sited as far away from NSRs as possible and practicable.						٨
		Material stockpiles, mobile container site office and other structures should be effectively utilized, where practicable, to screen noise from on-site construction activities.						N/A
S5.4.1	N2	1	Reduce the construction noise levels at low-level zone of NSRs through partial screening	Contractor	All construction sites	Construction stage	- Annex 5, TM-EIAO	۸

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
\$5.4.1	N3	Install movable noise barriers (typical design is wooden framed barrier with a small-cantilevered on a skid footing with 25mm thick internal sound absorptive lining), acoustic mat or full enclosure, screen the noisy plants including air compressors, generators and handheld breakers, etc.	Sreen the noisy plant items to be used at all construction sites	Contractor	All construction sites where practicable	Construction stage	- Annex 5, TM-EIAO	N/A
S5.4.1	N4	Use 'Quiet plants'	Reduce the noise levels of plant items	Contractor	All construction sites where practicable	Construction stage	- Annex 5, TM-EIAO	۸
S5.4.1	N5	Loading/ unloading activities should be carried out inside the full enclosure of mucking out points.	Reduce the noise levels of loading/ unloading activities	Contractor	Mucking out locations	Construction stage	- Annex 5, TM-EIAO	۸
\$5.4.1	N6	Sequencing operation of construction plants where practicable.	Operate sequentially within the same work site to reduce the construction airborne noise	Contractor	All construction sites where practicable	Construction stage	- Annex 5, TM-EIAO	^
\$5.4.1	N7	Implement a noise monitoring programme under EM&A programme.	Monitor the construction noise levels at the selected representative locations	Contractor	Selected rep. noise monitoring station	Construction stage	- TM-EIAO	N/A
Water Quali	ty (Constructio	on Phase)						
S6.9.1.1	W1		To minimize water quality impact from the construction site runoff and general construction activities	Contractor	All construction sites where practicable	Construction stage	- Water Pollution Control Ordinance - ProPECC PN 1/94 - TM-EIAO - TM-DSS	~

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EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a silt/ sediment trap. The sediment/ silt traps should be incorporated in the permanent drainage channels to enhance deposition rates.						~
		The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/ sand traps should be 5 minutes under maximum flow conditions. Sizes may vary depending upon the flow rate, but for a flow rate of 0.1 m3/s a sedimentation basin of 30 m3 would be required and for a flow rate of 0.5 m3/s the basin would be 150 m3. The detailed design of the sand/ silt traps shall be undertaken by the contractor prior to the commencement of construction.						~
		All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. Exposed slope surfaces should be covered by tarpaulin or other means.						N/A
		The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows, and all traffic areas and access roads protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during prolonged periods of inclement weather and the reduction of surface sheet flows.						N/A
		All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas.						*
		Measures should be taken to minimize the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.						٨

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		Open stockpiles of construction materials (for example, aggregates, sand and fill material) of more than 50m3 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.						٨
		Manholes 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.						٨
		Precautions be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes.						٨
		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 site wheel washing facilities should be provided at every construction site exit where practicable. Wash-water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel wash bay to the public road should be paved with sufficient backfall toward the wheel wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.						Α
		Oil interceptors should be provided in the drainage system downstream of any oil/ fuel pollution sources. The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for the oil interceptors to prevent flushing during heavy rain.						٨
		Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts.						٨

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		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 water sensitive receivers nearby.						۸
		Adopt best management practices.						^
		All earth works should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable.						۸
\$6.9.1.2	W2	Tunneling Works and Underground Works Cut-&-cover tunneling work should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable.	To minimize construction water quality impact from tunneling works	Contractor	All tunneling portion	Construction stage	- Water Pollution Control Ordinance - ProPECC PN 1/94 - TM-EIAO - TM-DSS	N/A
		Uncontaminated discharge should pass through sedimentation tanks prior to off- site discharge.					- IM-033	N/A
		The wastewater with a high concentration of SS should be treated (e.g. by sedimentation 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
		Direct discharge of the bentonite slurry (as a result of D-wall) is not allowed. It should be reconditioned and reused wherever practicable. Temporary storage locations (typically a properly closed warehouse) should be provided on site for any unused bentonite that needs to be transported away after all the related construction activities area completed. The requirements in ProPECC PN 1/94 should be adhered to in the handling and disposal of bentonite slurries.						N/A
S6.9.1.3	W3	<u>Sewage Effluent</u> Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	To minimize water quality from sewage effluent	Contractor	All construction sites where practicable	Construction stage	- Water Pollution Control Ordinance - TM-DSS	^

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status							
\$6.9.1.5	W4	Groundwater from Potential Contaminated Area:	To minimize	Contractor	Excavation areas		- Water Pollution	٨							
		No direct discharge of groundwater from contaminated areas should be adopted.	groundwater quality impact from		where contamination is	stage	Control Ordinance - TM-EIAO								
		A discharge license under the WPCO through the Regional Office of EPD for groundwater discharge should be applied. Prior to the excavation works within these potentially contaminated areas, the groundwater quality should be reviewed during the process of discharge license application. The compliance to the Technical Memorandum on Standards for Effluents Discharged into Drainage on Sewerage Systems, Inland and Coastal Waters (TM-DSS) and the existence of prohibited substance should be confirmed. If the review results indicated that the groundwater to be generated from the excavation works would be contaminated, the contaminated groundwater should be either properly treated in compliance with the requirements of the TM-DSS or properly recharged into the ground.	contaminated area		found		- TM-DSS	٨							
		If wastewater treatment is deployed, the wastewater treatment unit shall deploy suitable treatment process (e.g. oil interceptor / activated carbon) to reduce the pollution level to an acceptable standard and remove any prohibited substances (e.g. TPH) to undetectable range. All treated effluent from wastewater treatment plant shall meet the requirements as stated in TM-DSS and should be discharged into the foul sewers.													Λ
		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. 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 well. Prior to recharge, any prohibited substances such as TPH products should be removed as necessary by installing the petrol interceptor.						N/A							

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
S6.9.1.6	W6	Accidental Spillage All the tanks, containers, storage area should be bunded and the locations should be locked as far as possible from the sensitive watercourse and stormwater drains. The Contractor should register as a chemical waste producer if chemical wastes would be generated. Storage of chemical waste arising from the construction activities should be stored with suitable labels and warnings.	To minimize water quality impact from accidental spillage	Contractor	All construction site where practicable	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-EIAO TM-DSS 	^
		Disposal of chemical wastes should be conducted in compliance with the requirements as stated in the Waste Disposal (Chemical Waste) (General) Regulation.						۸
Waste Mana	gement (Const	ruction Waste)						
S7.4.1	WM1	<u>On-site sorting of C&D material</u> Geological assessment should be carried out by competent persons on site during excavation to identify materials which are not suitable to use as aggregate in structural concrete (e.g. volcanic rock, Aplite dyke rock, etc.). Volcanic rock and Aplite dyke rock should be separated at the source sites as far as practicable and stored at designated stockpile area preventing them from delivering to crushing facilities. The crushing plant operator should also be reminded to set up measures to prevent unsuitable rock from ending up at concrete batching plants and be turned into concrete for structural use. Details regarding control measures at source site and crushing facilities should be submitted by the Contractor for the Engineer to review and agree. In addition, site records should also be kept for the types of rock materials excavated and the traceability of delivery will be ensured with the implementation of Trip Ticket System and enforced by site supervisory staff as stipulated under DEVB TC(W) No. 6/2010 for tracking of the correct delivery to the rock crushing facilities for processing into aggregates. Alternative disposal option for the reuse of volcanic rock and Aplite Dyke rock, etc. should be explored.	turned into concrete for structural use	Contractor	All construction sites	Construction stage	• DEVB (W) No. 6/2010	٨

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
\$7.5.1		Construction and Demolition Material Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement. Carry out on-site sorting. Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate Adopt 'selective demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible.	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETWB TCW No. 19/2005	^ ^ ^ N/A
		Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified. Implement an enhanced Waste Management Plan similar to ETWBTC (Works) No. 19/2005 – "Environmental Management on Construction Sites" to encourage on-site sorting of C&D materials and to minimize their generation during the course of construction.						^
S7.5.1		C&D Waste Standard formwork or pre-fabrication should be used as far as practicable in order to minimize the arising of C&D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Use of wooden hoardings should not be used, as in other projects. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage. The Contractor should recycle as much of the C&D materials as possible onsite. Public fill and C&D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites should be considered for such segregation and storage.	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	 Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETWB TCW No. 19/2005 	^ N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
\$7.5.1		Excavated Contaminated Soils Details of the mitigation measures on handling of the contaminated soil shall be referred to Section on Land Contamination below.	The contaminated soil will be excavated for on- site reuse	Contractor	PBH4	of construction	Practice Guide (PG) for Investigation and Remediation of Contaminated Land · GN/GM for land contamination	۸
\$7.5.1	WM5	Land-based and Marine-based Sediment All construction plant and equipment shall be designed and maintained to minimize the risk of silt, sediments, contaminants or other pollutants being released into the water column or deposited in the locations other than designated location.	To control pollution due to marine sediment	Contractor	Along CKR alignment	Construction stage	• ETWB TCW No. 34/2002	٨
		All vessels shall be sized such that adequate draft is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash.						N/A
		Before moving the vessels which are used for transporting dredged material, excess material shall be cleaned from the decks and exposed fittings of vessels and the excess materials shall never be dumped into the sea except at the approved locations.	-					N/A
		Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.						N/A
		The Contractors shall monitor all vessels transporting material to ensure that no dumping outside the approved location takes place. The Contractor shall keep and produce logs and other records to demonstrate compliance and that journeys are consistent with designated locations and copies of such records shall be submitted to the engineers.						N/A
		The Contractors shall comply with the conditions in the dumping licence.						^
		All bottom dumping vessels (Hopper barges) shall be fitted with tight fittings seals to their bottom openings to prevent leakage of material.						N/A
		The material shall be placed into the disposal pit by bottom dumping.						N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		Contaminated marine mud shall be transported by spit barge of not less than 750m3 capacity and capable of rapid opening and discharge at the disposal site.						N/A
		Discharge shall be undertaken rapidly and the hoppers shall be closed immediately. Material adhering to the sides of the hopper shall not be washed out of the hopper and the hopper shall remain closed until the barge returns to the disposal site.						N/A
		For Type 3 special disposal treatment, sealing of contaminant with geosynthetic containment before dropping designated mud pit would be a possible arrangement. A geosynthetic containment method is a method whereby the sediments are sealed in geosynthetic containers and, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping at the disposal site, thereby fulfilling the requirements for fully confined mud disposal.						N/A
\$7.5.1		<u>Chemical Waste</u> Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.	Control the chemical waste and ensure proper storage, handling and disposal	Contractor	All construction sites		 Waste Disposal (Chemical Waste) (General) Regulation Code of Practice on the Packaging, Labelling and Storage of Chemical Waste 	۸
		Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed, have a capacity of less than 450 L unless the specification has been approved by EPD, and display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the regulation.						۸
		The storage area for chemical wastes should be clearly labelled and used solely for the storage of chemical waste, enclosed on at least 3 sides, have an impermeable floor and bunding of sufficient capacity to accommodate 110% of the volume of the largest container or 20% of the total volume of waste stored in that area, whichever is the greatest, have adequate ventilation, covered to prevent rainfall entering, and arranged so that incompatible materials are adequately separated.						٨

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		Disposal of chemical waste should be via a licensed waste collector, be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers a chemical waste collection service and can supply the necessary storage containers, or be to a reuser of the waste, under approval from EPD.						^
S7.5.1	WM7	General Refuse General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law.	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	• Waste Disposal Ordinance	*
		Aluminum cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible. Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor.						^
Land Conta	mination				1	1		
Land Contam S8.9 & Appendix 8.4	LC2	Excavation of the Contaminated Soil Prior to commencement of the excavation works at the contamination zone, the zone should be clearly marked out on site and the surface levels recorded. Excavation of contaminated material should be undertaken using dedicated earth-moving plant.	The contaminated soil will be excavated for on- site reuse	Contractor	actor PBH4	of construction works within the contaminated area	Practice Guide (PG) for Investigation and Remediation of Contaminated Land a - Guidance Notes for Contaminated Land Assessment and Remediation · Guidance Manual for Use of Risk-Based Remediation Goals (RBRGs) for Contaminated Land Management	N/A
		The excavated contaminated soils would be stockpiled at designated area on site and covered by sheet to prevent dispersion of contamination during stockpiling.						N/A
		The Contractor should pay attention to the selection of suitable groundwater lowering schemes and discharge points if the groundwater table is higher than the contaminated soils during excavation. The Contractor should also obtain a valid Water Pollution Control Ordinance (WPCO) discharge licence from EPD where applicable.						N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
Hazard to L			—	-		· · ·		
S9.18	Н8	The driver and his assistant should be physically healthy, experienced and have good safe driving records. The driver should hold a proper driving licence for the approved transport truck. Dedicated training programme and regular road safety briefing sessions/ workshops should be provided to enhance their safe driving attitude and practice. Smoking should be strictly prohibited.	To reduce the risk during explosives transport	Contractor	Works areas at which explosives would be used	Construction stage	/	^
\$9.18	H9	Emergency response plans in case of road accident should be prepared and implemented. The driver and his assistant should be familiar with the emergency procedures including evacuation, and proper communication/ fire-fighting equipment should be provided to the driver and his assistant.	To reduce the risk during explosives transport	Contractor	Works areas at which explosives would be used	Construction stage	/	۸
Landscape a	nd Visual							
S10.10.1 Table 10.11	LV3	<u>Good Site Management</u> 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.	Minimize visual impact	Contractor	Within Project site	Construction Phase	/	٨
		Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance.						۸
S10.10.1 Table 10.11	LV4	Screen Hoarding Decorative screen hoarding should be erected to screen the public from the construction area. It should be designed to be compatible with the existing urban context.	Minimize visual impact	Contractor	Within Project site	Construction Phase	/	۸
S10.10.1 Table 10.11	LV5	<u>Lighting Control during Construction</u> All lighting in the construction site shall be carefully controlled to minimize light pollution and night-time glare to nearby residencies and GIC. The Contractor shall consider other security measures, which shall minimize the visual impacts.	Minimize visual impact	Contractor	Within Project site	Construction Phase	/	٨
S10.10.1 Table 10.11	LV6	<u>Erosion Control</u> The potential for soil erosion shall be reduced by minimizing the extent of vegetation disturbance on site and by providing a protective cover over newly exposed soil.	Minimize landscape impact	Contractor	Within Project site	Construction Phase	/	۸

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
S10.10.1 Table 10.11	LV7	<u>Tree Protection & Preservation</u> Carefully protected during construction. Tree protection measures will be detailed at the Tree Removal Application stage and plans submitted to the relevant Government Department for approval in due course in accordance with ETWB TC no. 3/2006.	visual impact	Contractor	Within Project site		 'Guidelines for Tree Risk Management and Assessment Arrangement on an Area Basis and on a Tree Basis', Greening, Landscape and Tree Management (GLTM) Section, DEVB Latest recommended horticultural practices from GLTM Section, 	N/A
S10.10.1 Table 10.11	LV8	<u>Tree Transplantation</u> For trees unavoidably affected by the Project that have to be removed, where practical transplantation will be chosen as the top priority method of removal. If this is not possible or practical compensatory planting will be provided for trees unavoidably felled (See LV10). For trees unavoidably affected by the Project works that are transplanted, transplantation must be carried out in accordance with ETWB TCW 2/2004 and 3/2006.	visual impact	Contractor	Within Project site and designated off- site locations		ETWB TCW 3/2006 Latest recommended horticultural practices from Greening, Landscape and Tree Management (GLTM) Section, DEVB ETWB TCW 2/2004	N/A
S10.10.1 Table 10.11	LV9	<u>Compensatory Planting</u> For trees unavoidably affected by the Project that have to be removed, where practical transportation will be chosen as the top priority method of removal but if this is not possible or practical compensatory planting will be provided for trees unavoidably felled. All felled trees shall be compensated for by planting trees to the satisfaction of relevant Government projects. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006.	enhance landscape	Contractor	Within Project site		 ETWB TCW 3/2006 Latest recommended horticultural practices from Greening, Landscape and Tree Management (GLTM) Section, DEVB ETWB TCW 2/2004 	N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
S10.10.1 Table 10.11	LV10	<u>Screen Planting</u> Tall screen/buffer trees, shrubs and climbers should be planted, in so far as is possible, to soften and screen proposed structures such as roads and central strip, vertical edges and buildings and to enhance streetscape greening effect where appropriate. Indiscriminate use of trees for screening must be avoided and the principle of 'right tree for the right place' must be followed. This detail will be provided at the Detailed Design stage. This measure may additionally form part of the compensatory planting and will improve and create a pleasant pedestrian environment.	Minimize visual impact and also enhance landscape	Contractor	Within Project site	Construction Phase	 Guidelines on Greening of Noise Barriers, issued April 2012, GLTMS, DevB ETWB TCW 2/2004 	N/A
S10.10.1 Table 10.11	LV11	<u>Green Roof</u> Roof greening will be established on ventilation and administration buildings to reduce exposure to untreated concrete surfaces and particularly mitigate visual impact to VSRs at high levels.	Minimize landscape and visual impact	Contractor	Within Project site	Construction Phase	/	N/A
S10.10.1 Table 10.11	LV12	<u>Reinstatement</u> All works areas, excavated areas and disturbed areas 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. (Specific mitigation for disturbance to public open space is detailed separately under LV14)	Minimize landscape impact	Contractor	Within Project site	Construction Phase	/	N/A
S10.10.1 Table 10.11	LV13	Reprovising of Public Open Space All areas of public open space affected by the Project will be reprovisioned either at the same location following the completion of temporary works, or at a separate site, as agreed with relevant Government departments. Open space should be re-provisioned in an enhanced manner.	Minimize landscape impact	Contractor	Within Project site	Construction Phase	Open space should be re-provided in an enhanced manner.	N/A
Cultural Her	ritage Impact (Construction Phase)			1			
S11.4.4	CHI	The contractor should be alerted during the construction on the possibility of locating archaeological remains and as a precautionary measure, AMO shall be	To preserve any cultural heritage items which may be removed and damaged by the excavation	Contractor	During construction works for cut and cover tunnels	During the Construction Phase	AMOs requirements	N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
EM&A Proj	ect		-		-			
\$13.2	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual	Control EM&A Performance	Highways Department	All construction sites	Construction stage	 EIAO Guidance Note No. 4/2010 TM-EIAO 	۸
S13.2-13.4	EM2	An Environmental Team needs to be employed as per the EM&A Manual.	Perform environmental monitoring & auditing	Highways Department/ Contractor	All construction sites	Construction stage	 EIAO Guidance Note No. 4/2010 TM-EIAO 	٨
		Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures;						۸
		An environmental impact monitoring needs to be implemented by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.						٨

Remarks: E	Remarks: EM&A Programme under EP-457/2013/D						
^	Compliance of mitigation measure;						
N/A N/A(1)	Not applicable at this stage; 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 D SUMMARIES OF ENVIRONMENTAL COMPLAINT, WARNING, SUMMON AND NOTIFICATION OF SUCCESSFUL PROSECUTION

Complaint Log on Reporting Month (May 2024)

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

Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions and Public Engagement Activities

Reporting Period	Site Location	Frequency	Cumulative	Details				
		Environmental Complaint Statistics						
		0	3	N/A				
	Kai Tak East	Environmental Non-compliance Statistic						
	Kai Tak Last	0	0	N/A				
		Envi	ronmental Summon and Prosecution Sta	tistic				
		0	0	N/A				
			Environmental Complaint Statistics					
	Yau Ma Tei West	0	0	N/A				
May 2024		Environmental Non-compliance Statistic						
Iviay 2024		0	0	N/A				
		Environmental Summon and Prosecution Statistic						
		0	0	N/A				
			Environmental Complaint Statistics					
		1	3	EC006_CKRBEM20240522_006				
	Ho Man Tin		Environmental Non-compliance Statistic	2				
		0	0	N/A				
		Environmental Summon and Prosecution Statistic						
		0	0	N/A				