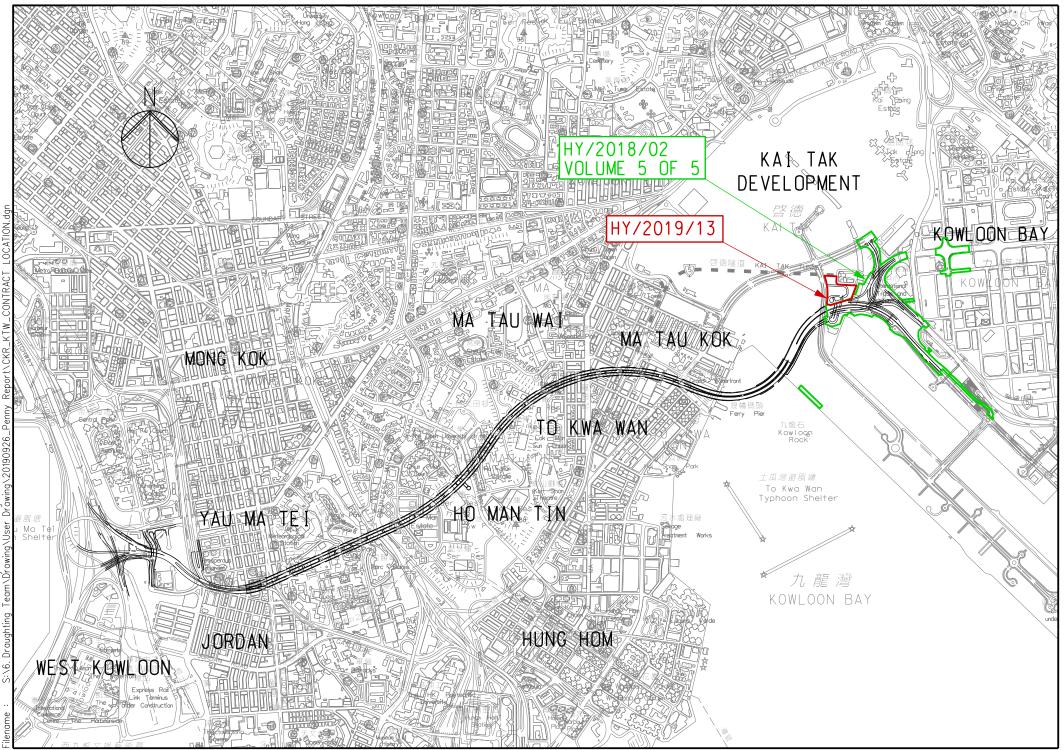
Vol. 5 of 5

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) October 2023

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



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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.50 (October 2023)
Date of Report:	10 November 2023 (Rev. 1)
Date received by IEC:	10 November 2023

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:

10 November 2023

Our ref: 0436942_IEC Verification Cert_KTE_Monthly EM&A Rpt No.50.docx





Alchmex – Paul Y Joint Venture

Central Kowloon Route Contract HY/2018/02

Section of Kai Tak East

Monthly EM&A Report No. 50

(Period from 1 to 31 October 2023)

Rev. 1 (10 November 2023)

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

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- F. Environmental Mitigation Implementation Schedule (EMIS)
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- M. Statistics on Complaint, Notifications of Summons and Successful Prosecutions
- N. Monitoring Schedule of the Coming Month

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 50th monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 October 2023 to 31 October 2023.
- 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, S3, S4, 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-A1	6 times	
Construction dust (1-hour TSP) monitoring		
E-A1	18 times	

- A.4 Joint weekly site inspections were conducted by representatives of the Environmental team (ET), the Contractor and the Engineer on 4, 11, 18 and 25 October 2023. A joint site inspection with the Independent Environmental Checker (IEC) was undertaken on 11 October 2023. 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 11 and 25 October 2023. 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 or non-compliance was received in the reporting month.
- A.9 No notification of summons and prosecution was received in the reporting period.

A.10 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, S9 CKRE, CKRW Bridge Construction
- Retaining Wall Construction at U-Turn & Portion 2B
- Excavation Work at Portion 4A/4C

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, S3, S4, 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 1	Period				
Notification /Reference No.	From	То	Status	Remark		
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	on Works under	the Air Polluti	on Control (Constr	uction Dust)		
Regulation		-				
445001	Apr-19	Dec-23	Notified	-		
Chemical Waste Producer		-				
WPN5113-247-A2940-01	17-May-19		Valid	-		
Billing Account for Dispos		on Waste				
7034073	15-Jun-19		Valid	-		
Construction Noise Permi	<u>t</u>					
GW-RE0939-23	1-Sep-23	29-Feb-24	Valid	Kai Cheung U Turns		
GW-RE0122-23	13-Mar-23	10-Sep-23	Superseded by GW-RE0927-23	Portion 2B		
GW-RE0927-23	1-Sep-23	29-Feb-24	Valid	FOLIOII 2B		
GW-RE0917-23	1-Sep-23	31-Dec-23	Valid	General Work at Area A		
				General Work at		
GW-RE0932-23	1-Sep-23	29-Feb-24	Valid	Area B and Site		
				Office		
GW-RE0945-23	1 Sop 22	29-Feb-24	Valid	Kai Cheung near		
U W-KĽU94 <i>3-23</i>	1-Sep-23	29-60-24	vallu	Kai Shing Street		
GW-RE1073-23	8-Sep-23	7.0.00	Valid	Construction Work		
U W-KE10/3-23	0-5ep-25	7-Dec-23	v allu	at 4A/4C		

Permit/ Licences/	Permit/ Licences/ Valid Period			
Notification /Reference No.	From	То	Status	Remark
GW-RE1053-23	1-Sep-23	31-Oct-23	Expired during reporting month	S2 & S7 Night Work
GW-RE1067-23	6-Sep-23	5-Dec-23	Valid	T4 Night Work
GW-RE1192-23	6-Oct-23	9-Dec-23	Valid	Tree Felling and Duct Checking
GW-RE1303-23	27-Oct-23	30-Dec-23	Valid	Portal installation and demolition at Kai Cheung and Kai Fuk Road

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 (September 2023)	13 October 2023

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 location is shown in below:

Table 2.2	Summary for the location of monitoring station
-----------	--

Monitoring Location	Location ID	Latitude	Longitude
Hong Kong International Trade and Exhibition Centre	E-A1	22.323912	114.203512

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	0Z4545	1 March 2023
	TE-5170X High Volume Sampler	1049	3 October 2023
24-hour TSP			18 October 2023
	TE-5028A Calibration Kit	3702	31 March 2023

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. During the site visit, air quality monitoring station Hong Kong International Trade and Exhibition Centre had been recommended in the approved EM&A Manual. A designated air quality monitoring location was identified and agreed with IEC and EPD. Detail of the air monitoring station is described in **Table 3.2**. The location plan of air quality monitoring stations is shown in **Appendix J**.

Monitoring Station	Monitoring Location
E-A1	Hong Kong International Trade and Exhibition Centre

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	1-hour TSP	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-A1	Nearby traffic

- 3.18. Air quality impact monitoring for the reporting month was carried out on 4, 10, 16, 21, 27 and 30 October 2023 at E-A1.
- 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/m³)	Level(μg/m³)	Level(µg/m³)
E-A1	55 - 80	279	500

Table 3.6	Summary of 24-hour TSP Monitoring Results
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Monitoring Location	Range	Action Level	Limit Level
	(µg/m³)	(µg/m ³)	(µg/m ³)
E-A1	32 - 74	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)
Oct 2023	0.28	0.00	58850.00	0.00	0.00	0.00

Table 4.1Quantities of Waste Generated from the Project

5. SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND

PROSECUTIONS

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

Table 5.1 Envir	ronmental Complaint Ha	ndling Procedure	
Complaint Received via	Project Hotline	Complaint Received vi	a 1823 or from other
		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	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 not	t recur. ER to conduct
		further inspection as nec	essary.
If the complaint is refe	erred by the EPD, the Co	ntractor to prepare interim	report on the status of
the complaint investig	ation and follow-up acti	ons stipulated above, inclu	ding the details of the
remedial measures and	additional monitoring id	lentified 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 and non-compliance were received in the reporting month.
- 5.5. No notification of summons and successful prosecution was received in the reporting month.
- 5.6. 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, 4 site inspections were carried out by the representative of ET, Contractor and Engineer on 4, 11, 18 and 25 October 2023, along with bi-weekly inspection of the implementation of landscape and visual mitigation measures conducted on 11 and 25 October 2023.
- 6.2. One joint site inspection with IEC was also undertaken on 13 September 2023. 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
4 October 2023	1. Drip tray should be provided for	1. Drip tray had been
	chemical containers at U-Turn.	provided.
11 October 2023	1. Drip tray should be provided for	1. Drip tray had been
	chemical containers at Bridge S2.	provided.
18 October 2023	Nil	Nil
25 October 2023	1. Drip tray should be provided for	1. Drip tray had been
	chemical containers at Bridge S9.	provided.

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:

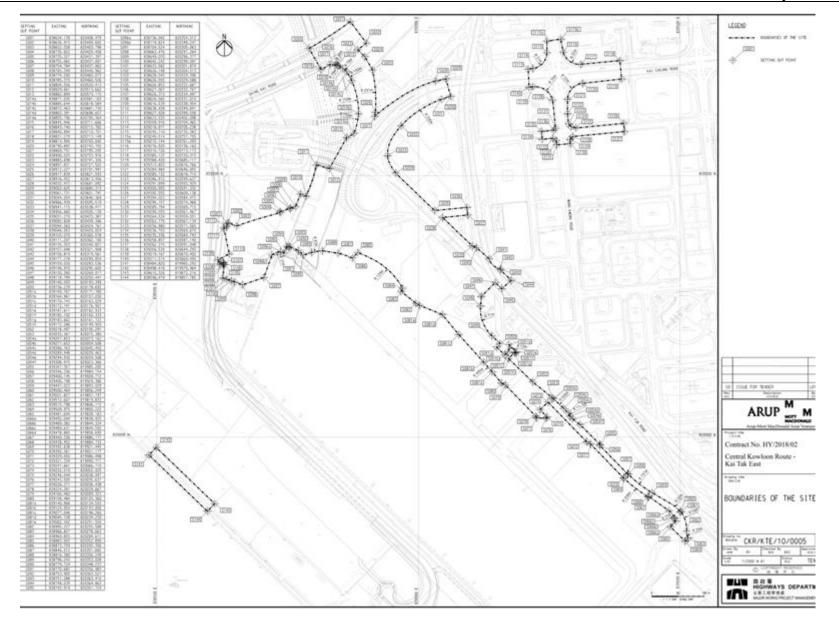
Construction Activities to be undertaken

- S1, S2, S3, S4, S9 CKRE, CKRW Bridge Construction
- Retaining Wall Construction at U-Turn & Portion 2B
- Excavation Work at Portion 4A/4C
- 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 50th monthly EM&A Report presents the EM&A works undertaken during the period from 1 October 2023 to 31 October 2023 in accordance with the EM&A Manual and the requirement under EP-457/2013/C and EP-457/2013/D.
- 8.2. Air quality (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 11 October 2023. 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 and non-compliance situation were received in the reporting month.
- 8.5. No notification of summons or prosecution was received since commencement of the Contract.
- 8.6. 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



Acuity Sustainability Consulting Limited

Appendix B Construction Programme

a Date: 25-Sep-23 nt Date: 10-Oct-23	12:03						Cont e Kow						k Ea	st											Alchr	nex - [C Paul Y	Joint Ve	nture	
D	Activity Name		Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical			Se	ptember 53	1			tober 54			46	Novem 55	ber	1 60		Dece	ember 56			Jani 5	ary	_
entral Kowlo	oon Route - Kai Tak East (Me	onth 53 Update) (Re	1413	30-Od:19 A	26-Jun-24	11-Mar-23	04-Sep-26	660	2	7 0	03 11	0 17	: 24	01	08	15	22	29	05	12	19	26	03	10	17	24	31	07	14 21	+
RELIMINAR	RIES AND GENERAL REQUIF	REMENTS	153	04-Jul-23 A	23-Jan-24	27-Apr-23	17-Jun-25	405																						
Salient Key D	Jates and Milestones																													
Key Dates			0	28-Dec-23	28-Dec-23	30-Dec-23	30-Dec-23	2																						
Sections of the	e Works		0	28-Dec-23	28-Dec-23	30-Dec-23	30-Dec-23	2																						
KD-09	KD09 - Section 9: Comprises all the works	in Part 3A and the vacation of part	0		28-Dec-23*		30-Dec-23	2																		•				
Access Dates	3A (1455 days)		135	04-Jul-23 A	02-Jan-24	27-Apr-23	04-Jan-24	2																						
AD-4B1a	Access date for Part 481 (1435 days) Lat	e Possession - tentative 30/6/2023	0	04-Jul-23 A		27-Apr-23																								
AD-183	Access date for Part 183 (1551 days)		0	21-Jul-23 A		04-Jan-24																								
AD-482	Access date for Part 4B2 (1435 days)_Late	Possession - tentative 2/1/2024	0	02-Jan-24*		12-Sep-23		-112																						
Independent	Safety Audit Scheme ACC D3		0	29-Jul-23 A	29-Jul-23 A	17-Jun-25	17-Jun-25						-																	
Safety Aduit			0	29-Jul-23 A	29-Jul-23 A		17-Jun-25																							
SA-1118	9th Safety Audit at 6 months intervals		0	29-Jul-23 A		17-Jun-25																								
	dule (WSD/DSD/CLP/TG/PC	W/HKR/ATC/KT Tur	97	25-Sep-23	23-Jan-24	26-Jun-24	22-0:t-24	217																						
Utilities Month			97	25-Sep-23	23-Jan-24	26-Jun-24	22-Ort-24	217																						
UU-1056	17th Utilities monthly meeting			25-Sep-23	CO SATE!	26-Jun-24		217					Ļ																	
UU-1058	18th Utilities monthly meeting			21-Nov-23		20-Aug-24		217																						
UU-1060	19th Utilities monthly meeting		0			22-Od-24		217																						
				15-Dec-22 A	21.0++22	16-Aug-23	21.11-0.22	217																					Ť	
	DENGINEERING																													
	Vorks Design & Engineering		200	15-Dec-22 A	21-04123	25-Aug-23	21-Nov-23	-20																						
DES - Kiosks	pro provincia de la companya							-20																						
DES-1228 DES-1230	DES - Prepare preliminary proposal submi			15-Dec-22 A			25-Aug-23																							
	DES - Prepare submission of design and d	rawings		25-Aug-23 A			25-Aug-23																							
DES-1232	DES - ICE checking and approval			08-Sep-23 A			25-Aug-23																							
DES-1234	DES - Project Manager checking and appro				31-Oct-23	25-Aug-23	27-Sep-23	-26																						
DES-1236	DES - Prepare submission of details design			01-Nov-23	14-Nov-23	28-Sep-23	13-0d-23	-26																						
DES-1238	DES - ICE checking and approval		8		23-Nov-23	14-Oct-23	24-Oct-23	-26													_									
DES-1240	DES - Project Manager checking and appro	oval; consent to start the works	24	24-Nov-23	21-Dec-23	25-Oct-23	21-Nov-23	-26																						
Temporary W	Vorks Design & Engineering																													
DES - Tempora	ary Works for Bridges		112	30-May-23 A	09-Od-23	16-Aug-23	26-Aug-23	-34																						
DES_T06 - Ter	mp working platform for Bridge S2	& S8 over KF Rd & KC Rd	112	30-May-23 A	09-Oct-23	16-Aug-23	26-Aug-23	-34																						
DES-1335a	DES - Prepare preliminary proposal submi	ission (S8)	24	30-May-23 A	26-Aug-23 A	16-Aug-23	16-Aug-23		•																					
DES-1335b	DES - ICE checking and approval (58)		24	28-Aug-23 A	07-Od-23	16-Aug-23	26-Aug-23	-34																						
DES-1335c	DES - Project Manager checking and approved works (S8)	oval; consent to start the Portal	0	09-0ct-23	09-Oct-23	26-Aug-23	26-Aug-23	-34							I.															
CONSTRUCT			1413	30-Oct-19 A	26-Jun-24	11-Mar-23	04-Sep-26	660																						
																								Date			levison		Dester	1 4
Current Miles Cuturent Miles Actual Work Critical Remaining V	k naining Work	Central K	owloo			Tak Eas th Rolli				ate)	(Rev	44- C	SD)		Project ID Baseline: Layout: K Filter: TAS	TE - 3 M	onths Rol	lling Prog			mission.		20 20 20	Date 5-Mar-23 5-May-23 5-Jun-23 5-Aug-23 5-Sep 23	Submit CS Submit CS Submit CS	SD Program SD Program SD Program SD Program	rne Rev 39v rne Rev 39v rne Rev 40v rne Rev 43v	th M47 Mon. th M4649 th M50 Mon. th M52 Mon. th M53 Mon.		Apr DC DC DC DC DC

ity ID	Activity Name	Orig Dur Statt	Firish	Late Start	Late Finish	Total Fical	September 53	October 54	November 55	December 56	January 57
Major Tempor	rary Traffic Management Scheme	192 26-Jun-23 A	15-Jan-24	21-Jul-23	04-Sep-26	788	27 03 10 17 24	01 08 15 22 2	19 05 12 19 26	03 10 17	24 31 07 14 21
	r Kai Cheung Road	25 25-Od-23	23-Nov-23	24-Jul-23	03-Od-23	-43					
KCR-TTA-2.1	TTA - Kal Cheung Road - Stage 2.1	0 25-0d-23		24-Jul-23		-77		•			
KCR-TTA-U-2	TTA - Kai Chaung Road - Stage U-2 (Night works) (Span 8A to 8B)	0 26-Oct-23		28-Aug-23		-48		•			
KCR-TTA-U-3	TTA - Kai Cheung Road - Stage U-3 (Night works) (Span 8B to 8C)	0 23-Nov-23		03-Od:23		-43			•		
TTM Scheme for	r Kai Fuk Road	192 26-Jun-23 A	15-Jan-24	21-Jul-23	04-Sep-26	788					
KRR-TTA-2E	TTA - Kai Fuk Road - Stage 2E, (Night Work) (Span 2D to 2E)-commencemnt	0 26-Jun-23 A		21-Jul-23							
KR-TTA-4.1A	TTA - Kai Fuk Road - Stage 4.1A (KFR Eastbound - with on-street bus stop)	0 08-Jul-23 A		04-5ep-26							
KFR-TTA-4.18	TTA - Kai Fuk Road - Stage 4.18 (KFR Eastbound - 4 nos of tree to be fell;	0 15-Jan-24		12-Jun-24		115					•
Section 1 - All	subject to TPRT proposel) the Works of the Site, except Section 2 to 17	472 14-Dao-22 A	26-Jun-24	11-Mar-23	04-Sep-26	660					
Sch_1 Prelimina		218 12-Jul-23 A	26-Jun-24	10-Jun-23	19-0d-24	95					
Site Establishm		218 12-Jul-23 A	26-Jup-24	10-Jun-23	19-0#-24	95					
	el platform over Kai Tak River	218 12-Jul-23 A	26-Jun-24	10-Jun-23	19-Od-24	95					
DIA reinstate		218 12-50-23 K		10-501725	190424	35					
				10-300-23	19-0:3-24	95					
1-2338	SE - Temporary Platform removal (stage 1,2,3) - Zone 1,2,3,4	150 12-Jul-23 A	15-Deo-23	10-Jun-23	30-Aug-23	-69					
1-2339	SE- Removal of remaining temp platform (edge) and concrete plinth/blocks	42 25-Nov-23	16-Jan-24	28-Sep-23	18-Nov-23	-47					
1-2340	SE - Temporary Platform removal (stage 4) - Zone 5 to 12	150 16-Dec-23	26-Jun-24	20-Apr-24	19-Od-24	95					
1-2339A	SE- Reinstate the Kal Tak Nullah Wall	24 17-Jan-24	20-Fdb-24	20-Nov-23	16-Dec-23	-17					
Sch_3.1 Bridge	S1 Works	108 14-Dec-22 A	03-Feb-24	29-Nov-23	09-Aug-24	147					
S1 - Miscellane	eous Works	108 14-Dat: 22 A	03-Feb-24	29-Nov-23	09-Aug-24	147					
3.1-2382	BEM - S1 - Install Profile barrier / Parapet Wall / Planter / TCSS duct (L)	33 14-Dec-22 A	01-Dec-23	29-Nov-23	05-Feb-24	53					
3.1-2383	S1 - End wall construction (Abutment)	24 25-Sep-23	25-Oct-23	03-Jun-24	02-Jul-24	198					
3.1-2384	51 - Bridge Drainage Works	28 31-0d-23	01-Dec-23	02-Mar-24	08-Apr-24	97					
3.1-2388	S1 - Bridge Watermain / Inigation System	28 14-Nov-23	15-Dec-23	16-Mar-24	22-Apr-24	97					
3.1-2390	S1 - Road Lighting and Road Furniture	28 02-Dec-23	06-Jan-24	08-Jun-24	12-Jul-24	147					
3.1-2392	S1 - Movement Joint	12 02-Dec-23	15-Dec-23	18-Jun-24	02-Jul-24	154					
3.1-2394	S1 - Road pavement (Base Course)	9 16-Dec-23	28-Dec-23	03-Jul-24	12-Jul-24	154					-
3.1-2396	S1 - Final completion works	24 08-Jan-24	03-Feb-24	13-Jul-24	09-Aug-24	147					
Sch_3.2 Bridge	S2 Works	174 05-Jul-23 A	27-Jan-24	24-Jun-23	08-Apr-24	51					
	Pier / Abutment	120 08-Jul-23 A	31-Od-23	24-Jun-23	28-Jul-23	-78					
Abutment 2F		20 25-Aug-23 A	31-Oct-23	24-Jul-23	28-Jul-23	-78					
3.2-2602A	S2 - Construct Abutment A-2F (final pour)	20 25-Aug-23 A	31-Oct-23	24-Jul-23	28-Jul-23	-78					
Pier 8A		46 08-Jul-23 A	25-Od-23	24-Jun-23	22-Jul-23	-78					
3.2-2608	S2 - Prepare pile head (1 nr) C-8A	5 08-Jul-23 A	19-Jul-23 A	24-Jun-23	24-Jun-23						
3.2-2610	S2 - Construct pile cap C-8A	12 20-Jul-23 A	03-Aug-23 A	24-Jun-23	24-Jun-23						
3.2-2612	52 - Construct pier top Con 52 - Construct Pier P-8A (3 Lifts)	29 04-Aug-23 A		24-Jun-23	22-3ul-23	-78					
52 - Deck	SE CONSIGNIBIEND (S BID)	174 05-Jul-23 A	27-Jan-24	26-Jun-23	08-Apr-24	51					
		174 05-Jul-23 A	26-Jan-24	26-Jun-23	08-Apr-24	51					
S2 Span (L)		173 05-Jui-23 A	26-Jan-24	26JUN-23	ds-ypn-24	52					
Current Mics	inna									Date	Revision Chedied
Adual Work	Central K	owloon Rout	te - Kai 1	Tak Eas	st (Mont	h 53	lpdate) (Rev44- CSD)	Project ID: KTE-WP44_M53 Baseline:		25 May 23 Submit CSD F	Programme Rev 39wth M47 Mon TYY D Programme Rev 39wth M46/49 TYY D
Critical Remain	ining Work		ree Mon					Layout: KTE - 3 Months Rolling		25-Jun-23 Submit CSD F	Programme Rev 40with M50 Mon TYY C Programme Rev 43with M52 Mon TYY C
Hemaning V	sum				2			Filter: TASK filters: 3 Months R	olling_1, KTE - Submission.	25 Sep 23 Submit CSD F	Programme Rev 44with M53 Mon TYY
								Page 2 of 20			

	Activity Name	Orig Dur	Statt	Finish	Late Start	Late Finish	Total Fical		September 53		October 54	November 55	Deceni 56	otr.	January 57
S2 - Span 2A(L	L)-2B(L) (Stage 1)	81	06-Jul-23 A	10-0d-23	26-Jun-23	05-Od-23	-4	1 2	03 10 17 24	01	08 15 22 29	05 12 19 26	03 10	17 24 31	07 14 21
3.2-2630	S2 - Span 2A-2B(L) Web and Soffit	16	06-Jul-23 A	11-Aug-23 A	26-Jun-23	26-Jun-23									
3.2-2634	S2 - Span 2A-2B(L) Deck Section	16	14-Aug-23 A	31-Aug-23 A	26-Jun-23	26-Jun-23									
3.2-2640	52 - Span 2A-2B(L) Post-tensioning (Stage 1)		18-Sep-23 A	23-5ep-23 A	26-Jun-23	26-Jun-23									
3.2-2641	52 - Span 2A-2B(L) Remove Falsework & Formwork		25-Sep-23	10-Od-23	20-580-23	05-Od-23	-4								
	L)-2C(L) (Stage 2)	120	25 3cp 25	100125	20 3dp 23	02 Apr 24	02								
3.2-2644		132	05-Jul-23 A	27-Jul-23 A	20-301-23	004407-24	30								
	52 - Span 2B-2C Falsework and formworks				26-Jun-23	26-Jun-23									
3.2-2650	S2 - Span 2B-2C (L) Web and Soffit		28-Jul-23 A	12-0d-23	26-Jun-23	12-Jul-23	-77				-				
3.2-2652	S2 - Span 2B-2C (L) Deck Section	22	13-0ct-23	08-Nov-23	13-Jul-23	07-Aug-23	-77								
3.2-2658	52 - Span 2B-2C(L) Post-tensioning (Stage 2)	12	09-Nov-23	22-Nov-23	08-Aug-23	21-Aug-23	-77								
3.2-2659	S2 - Span 2B-2C(L) Remove Falsework & Formwork	12	23-Nov-23	06-Dec-23	21-Mar-24	08-Apr-24	93						-		
S2 - Span 2C(L	L)-2D(L) (Stage 3)	113	25-Aug-23 A	10-Jan-24	03-Aug-23	08-Apr-24	66								
3.2-2660	52 - Span 2C-2D Falsework and formworks	14	25-Aug-23 A	23-5ep-23 A	03-Aug-23	03-Aug-23		1							
3.2-2666	S2 - Span 2C(L)-2D(L) Web and Soffit	16	25-Sep-23	14-0d-23	03-Aug-23	21-Aug-23	-45			_	-				
3.2-2668	S2 - Span 2C(L)-2D(L) Deck Section	20	16-Od-23	08-Nov-23	22-Aug-23	13-Sep-23	-45								
3.2-2666a	S2 - Span 2C(L)-2D(L) Web and Soffit - stitch joint at 2C(L)	10	23-Nov-23	04-Dec-23	22-Aug-23	01-Sep-23	-77								
3.2-2668a	S2 - Span 2C(L)-2D(L) Deck Section - stitch joint at 2C(L)	10	05-Dec-23	15-Dec-23	02-Sep-23	13-Sep-23	-77								
3.2-2670	S2 - Span 2C-2D(L) Post-tensioning (Stage 3)	7		23-Dec-23	14-Sep-23	21-5ep-23	-77	-							
3.2-2671	S2 - Span 2C-2D(L) Remove Falsework & Formwork		27-Dec-23	10-Jan-24	21-Mar-24	08-Apr-24	66								_
	L)-2E(L) (Stage 4)	12	2/10/6/23	10-581-24	21-16-27	00940124	00								
		1.36	20-30-23 A	19-Jan-24	26-940g-23	17-03-23	-17								
3.2-2682	S2 - Span 2D(L)-2E(L) Erect Steel Portal westbound near 2D (over KFR) Night works (7)		20-Jul-23 A			26-Aug-23									
3.2-2682A	S2 - Span 2D(L)-2E(L) fabrication Steel Portal (over Kai Fuk Road) Day works (7)	12	08-Aug-23 A	21-Aug-23 A	26-Aug-23	26-Aug-23									
3.2-2682B	S2 - Span 2D(L)-2E(L) Erect Steel Portal Eastbound near 2E (over KFR) Night works (7)	18	22-Aug-23 A	25-Sep-23 A	26-Aug-23	26-Aug-23									
3.2-2684	S2 - Span 2D(L)-2E(L) Falsework and formworks	7	09-Nov-23	16-Nov-23	26-Aug-23	02-Sep-23	-61								
3.2-2692	S2 - Span 2D(L)-2E(L) Web and Soffit	13	17-Nov-23	01-Deo-23	04-Sep-23	18-Sep-23	-61								
3.2-2686	S2 - Span 2D(L)-2E(L) Install Bearings	6	17-Nov-23	23-Nov-23	04-Sep-23	09-Sep-23	-61								
3.2-2696	S2 - Span 2D(L)-2E(L) Deck Section	16	02-Dec-23	20-Dec-23	19-Sep-23	09-Od-23	-61							-	
3.2-2692a	S2 - Span 2D(L)-2E(L) Web and Soffit - stitch joint at 2D(L)	10	27-Dec-23	08-Jan-24	22-Sep-23	05-Oct-23	-77								-
3.2-2696a	S2 - Span 2D(L)-2E(L) Deck Section - stitch joint at 2D(L)	10	09-Jan-24	19-Jan-24	06-Oct-23	17-Oct-23	-77								
S2 - Span 2E(L	L)-8A (Stage 4)	58	17-Nov-23	26-Jan-24	05-Sap-23	25-Od-23	-77								
3.2-2688	S2 - Span 2E(L)-8A Falsework and formworks	7	17-Nov-23	24-Nov-23	05-Sep-23	12-Sep-23	-60								
3.2-2690	52 - Span 2E(L) / 8A Install Bearings		25-Nov-23	01-Dec-23	13-Sep-23	19-Sep-23	-60								
3.2-2690		14		03-Jan-24		28-5ep-23	-80	ļ.							
	52 - Span 2E(L)-BA Web and Soffit				13-Sep-23									_	
3.2-2698	S2 - Span 2E(L)-8A Deck Section		04-Jan-24	19-Jan-24	29-Sep-23	17-0ct-23	-77								
3.2-2700	S2 - Span 2E(L)-8A Post-tensioning (Stage 4)		20-Jan-24	26-Jan-24	18-Oct-23	25-Oct-23	-77								
S2 Span (R)			05-Jul-23 A	27-Jan-24	26-Jun-23	08-Apr-24	51								
S2 - Span 2A(R	R)-2B(R) (Stage 1)														
3.2-2628	S2 - Span 2A-2B(R) Web and Soffit	17	06-Jul-23 A	11-Aug-23 A	26-Jun-23	26-Jun-23									
Current Miesic Actual Work Critical Remain	ning Work Central Ko	owloo				t (Montling Prog			e) (Rev44- CSD)	Bi La	oject ID: KTE-WP44_M53 iseline: yout: KTE - 3 Months Rolling P ter: TASK filters: 3 Months Roll		25 May 23 5 25 Jun 23 5 25 Aug 23 5	Revision Jubrit CSD Programme Rev 3 Jubrit CSD Programme Rev 4 Jubrit CSD Programme Rev 4 Jubrit CSD Programme Rev 4	Swith M46/49 TYY Owith M50 Mon TYY Swith M52 Mon TYY
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)	Activity Name	Orig Dur Statt	Finish	Late Start	Late Finish	Total Fical	<u> </u>	53	_	October 54			November 55			Dec	ember 56		-	Januar 57	
3.2-2632	52 - Span 2A-2B(R) Deck Section	17 14-Aug-23 A	31-Aug-23 A	11-Aug-23	11-Aug-23	1.00	27	03 10 17 24	01	08 15	22 2	9 05	12	19	26 03	10	17	24	31	07 14	21
3.2-2633	52 - Span 2A-2B(R) Post-tensioning (Stage 1)																				
		12 18-Sep-23 A			11-Aug-23					_											
3.2-2633A	52 - Span 2A-2B(R) Remove Falsework & Formwork	12 25-Sep-23	10-Oct-23	20-Sep-23	05-Oct-23	-4				-											
3.2-2645	S2 - Span 2B-2C Falsework and formworks	14 05-Jul-23 A	27-Jul-23 A	11-Aug-23	11-Aug-23																
3.2-2646	S2 - Span 2B-2C (R) Web and Soffit	18 28-Jul-23 A	21-0ct-23	11-Aug-23	05-Sep-23	-38	÷														
3.2-2648	52 - Span 2B-2C (R) Deck Section	18 24-0d-23	13-Nov-23	06-Sep-23	26-Sep-23	-38							•								
3.2-2649	52 - Span 2B-2C(R) Post-tensioning (Stage 2)	12 14-Nov-23	27-Nov-23	27-Sep-23	12-Od-23	-38							_								
3.2-2649A	S2 - Span 2B-2C(R) Remove Falsework & Formwork	12 28-Nov-23	11-Dec-23	21-Mar-24	08-Apr-24	89										-					
S2 - Span 2C(R	R)-2D(R) (Stage 3)	117 31-Aug-23 A	15-Jan-24	14-Sep-23	08-Apr-24	62															
3.2-2661	S2 - Span 2C-2D Falsework and formworks	14 31-Aug-23 A	29-Sep-23	14-Sep-23	19-5ep-23	-9															
3.2-2662	S2 - Span 2C(R)-2D(R) Web and Soffit	20 24-Oct-23	15-Nov-23	20-Sep-23	14-Oct-23	-26							_								
3.2-2664	52 - Span 2C(R)-2D(R) Deck Section	18 16-Nov-23	06-Dec-23	16-0d-23	06-Nov-23	-26															
3.2-2662a	52 - Span 2C(R)-2D(R) Web and Soffit - stitch joint at 2C(R)	10 28-Nov-23	08-Dec-23	13-Oct-23	25-Oct-23	-38															
3.2-2664a	S2 - Span 2C(R)-2D(R) Deck Section - stitch joint at 2C(R)	10 09-Dec-23	20-Dec-23	26-Oct-23	05-Nov-23	-38										-	-				
3.2-2665	52 - Span 2C-2D(R) Post-tensioning (Stage 3)	7 21-Dec-23	30-Dec-23	07-Nov-23	14-Nov-23	-38															
3.2-2665A	52 - Span 2C-2D(R) Remove Falsework & Formwork	12 02-Jan-24	15-Jan-24	21-Mar-24	08-Apr-24	62															
	R)-2E(R)-2F (Stage 4)	167 20-1ul-23 A	27-140-24	21-Jul-23	07-Dec-23	-11															
3.2-2672	52 - Span 2D(R)-2E(R) Erect Steel Portal westbound near 2D (over KFR) Night	18 20-Jul-23 A	18-Aug-23 A		21-Jul-23																
3.2-2673b	works (7) 52 - Span 2D-2E Erect Stasi Portal support at Pier 2E	12 20-Jul-23 A			08-Sep-23																
3.2-2672B	S2 - Span2D(R)-ZE(R) Erect: Steel Portal Eastbound near 2E (over KFR) Night works (7)	18 22-Aug-23 A			08-Sep-23																
3.2-2672A	S2 - Span 2D-2E Fabrication Steel Portal (over KFR) Night works (7)	15 25-Aug-23 A			08-Sep-23		. :														
3.2-2674	52 - Span 2D(R)-2E(R) Falsework and formworks	7 16-Nov-23	23-Nov-23	08-Sep-23	15-Sep-23	-56															
3.2-2676	S2 - Span 2D(R)-2E(R) Install Bearings	6 24-Nov-23	30-Nov-23	16-Sep-23	22-Sep-23	-56									-						
3.2-2678	S2 - Span 2D(R)-2E(R) Web and Soffit	20 01-Dec-23	23-Deo-23	23-Sep-23	18-Oct-23	-56									-	-	-	1			
3.2-2680	52 - Span 2D(R)-2E(R) Deck Section	24 27-Dec-23	24-Jan-24	19-Oct-23	16-Nov-23	-56															_
3.2-2678a	S2 - Span 2D(R)-2E(R) Web and Soffit - stitch joint at 2D(R)	10 02-Jan-24	12-Jan-24	15-Nov-23	25-Nov-23	-38													-	_	
3.2-2702	S2 - Span 2E(R)-2F Falsework and formworks	17 09-Jan-24	27-Jan-24	28-Sep-23	19-Oct-23	-82														_	
3.2-2680a	S2 - Span 2D(R)-2E(R) Deck Section - stitch joint at 2D(R)	10 13-Jan-24	24-Jan-24	27-Nov-23	07-Dec-23	-38															_
ich_3.3 Bridge S	S3 Works	122 25-Sep-23	27-Feb-24	09-Jun-23	04-Jul-24	102															
53 - Deck		24 25-Sep-23	25-Oct-23	09-Jun-23	22-Apr-24	141															
53 - Span 3A-3E	E	12 25-Sep-23	10-Oct-23	21-Mar-24	08-Apr-24	141															
3.3-2864	53 - Span 3A-3E Remove Falsework, Formwork and Trusses	12 25-5ep-23	10-Od-23	21-Mar-24	08-Apr-24	141															
S3 - Span 3E-3D	D	24 25-Sep-23	25-Oct-23	09-Jun-23	22-Apr-24	141															
3.3-2872	53 - C-Sapn 3A-3E Post-tensioning and Grouting (Stage 1)	0 25-Sep-23	25-Sep-23	09-Jun-23	09-Jun-23	-89															
3.3-2888	53 - Span 3E-3D Remove Falsework, Formwork and Trusses	12 11-0d-23	25-Od-23	09-Apr-24	22-Apr-24	141															
53 - Miscellaneo		98 26-0d-23	27-Feb-24	01-Feb-24	04-Jul-24	102															
3.3-2893	53 - End wall construction (Abutment)	0 26-Oct-23	26-Oct-23	04-Jul-24	04-Jul-24	200															
		0 10 00/25	10 04 10			200															
Current Mission Adual Work Chical Remain Remaining Vice	ring Work Central Ke		te - Kai [·] ree Mon					nte) (Rev44- CSD)	B	roject ID: KTE-M aseline: ayout: KTE - 3 N ilter: TASK filters	fonths Rolling			sion.	-	Date 5-Mar-23 5-May/23 5-Jun-23 5-Aug-23 5-Sep 23	Submit CS Submit CS Submit CS	SD Program SD Program SD Program SD Program	evision me Rev 39witi me Rev 39witi me Rev 43witi me Rev 43witi me Rev 43witi	M47 Mon T M4549 T M50 Mon T M52 Mon T	Checked D YY D YY D YY D YY D YY D
										age 4 of 20					1						

2	Activity Name	0	rig Dur S	tat Finis'	Late Sta	t Late Finish	Total Fical		September 53		October 54	November 55	Decen 56	ther	January 57
3.3-2890	53 - Install Parapet Wall		42 03-	an-24 27-Feb	24 01-Feb-;	4 27-Mar-24	25	12	7 03 10 17	24	01 08 15 22	29 05 12 19 26	03 10	17 24	31 07 14 21
3.3-2892	53 - Bridge Drainage Works						81								
			28 19-												
Sch_3.4 Bridge			220 15-1				100								
S4 - Pile Caps,	, Pier / Abutment		169 31-#	w-23 A 19-Dec	23 12-Jun-3	13 04-Sep-23	-88								
Abutment A-4	4A-54		169 31-14	y-23 A 19-Dec	23 12-Jun-3	13 04-Sep-23	-88								
3.4-3052	S4 - Prepare pile head (10 nrs) A-4A-S4		21 31-M	w-23 A 25-Aug-	3 A 12-Jun-	12-Jun-23									
3.4-3054	54 - Construct Abutment Base A-4A-54		29 25-A	g-23 A 12-Och	23 12-Jun-3	3 28-Jun-23	-88		······································						
3.4-3056	S4 - Construct Abutment: A-4A-54		44 13-	0d-23 04-Dec	23 29-Jun-3	19-Aug-23	-88						-		
3.4-3058	S4 - A-4A-S4 Install Permeate Membrane and Baddfill		13 054	ec-23 19-Dec	23 21-Aug-	23 04-Sep-23	-88							-	
S4 - Deck			220 15-1	w-23 A 31-Jan-	24 26-Jun-2	13 11-Jun-24	100								
S4-Span (L)			215 15-1				-32								
			42 054	·	24 12.San		52								
	-4A(L) (Stage 4)						-69								
3.4-3144	54 - Span 4A(A) 4B(A) Falsework and formwork		10 054												
3.4-3146	54 - Span 4A(A)-4B(A) Install Bearings		8 16-	ec-23 27-Dec	23 23-Sap-	23 04-Od-23	-69						•		
3.4-3148	S4 - Span 4A(A)-4B(A) Web and Soffit		12 28-	ec-23 11-Jan-	24 05-Oct-2	3 18-Od-23	-69								
3.4-3150	S4 - Span 4A(A)-4B(A) Deck Section		12 12-	an-24 25-Jan-	24 19-Oct-2	3 02-Nov-23	-69								
S4- Span 4B-	-4K(L) (Stage 1)		12 253	ep-23 10-Od-	23 26-Jun-3	10-Jul-23	-77								
3.4-3180	54 - Span 4B(A) - 4K(A) Remove Falsework, Formwork and Trus	3905	12 25-	ep-23 10-Od-	23 26-Jun-3	10-Jul-23	-77			_	-				
S4- Span 4K-	-4J(L) (Stage 2)		12 15-1/	w-23 A 06-Oct-	23 11-Jul-2	3 20-Jul-23	-65								
3.4-3284	54 - Span 4K(A)-43 Remove Felsework and Formwork		12 15-1	w-23 A 06-Od±	23 11-Jul-2	3 20-Jul-23	-65				_				
	2A(L) (Stage 3)		97 06-J	1-22 A 20-04	17 26-luo-	3 15-Dec-23	67								
3.4-3296	S4 - Span 43-2A Post-tensioning (Stage 3)			I-23 A 12-Jul-2											
			7 06-J												
3.4-3298	S4 - Span 43-2A Remove Falsework and Formwork		12 07-												
S4-Dpan (R)			210 22-M	w-23 A 31-Jan-	24 10-Aug-	23 11-Jun-24	100								
3.4-3156	S4 - Span 4A(B) 4B(B) Falsework and formwork		10 20-	ec-23 03-Jan-	24 05-Sep-	23 15-Sep-23	-88								-
3.4-3158	54 - Span 4A(B)-4B(B) Install Bearings		8 04-	an-24 12-Jan-	24 16-Sep-	23 25-Sep-23	-88								
3.4-3160	S4 - Span 4A(B)-4B(B) Web and Soffit		16 13-	an-24 31-Jan-	24 26-Sep-	23 16-Oct-23	-68								
S4- Span 4K-	-4E(R) (Stage 2)		12 22-14	w-23 A 06-Oct-	23 12-Apr-	4 22-Apr-24	156								
3.4-3218	54 - Span 4K(B)-4E Remove Falsework, Formwork and Trusses		12 22-1/	w-23 A 06-Od∙	23 12-Apr-	4 22-Apr-24	156				-				
	-4F(R) (Stage 3)			1-23 A 08-Aug-											
3.4-3226a	54 - Stitich joint - Span 4E-4F Deck Section at 4E		10 10-1	il-23 A 28-Jul-2											
3.4-32200	54 - Soon Junit - Span 4E-4F beek second at 4E			q-23 A 08-Aug-											
3.4-3230	S4 - Span 4E-4F Post-tensioning (Stage 3)		7 04-A	ig-23 A 08-Aug-		23 10-Aug-23									
3.4-3238	54 - Span 4F-4G Web and Soffit		16 13-J	I-23 A 17-Aug-	3 A 10-Aug-	23 10-Aug-23									
3.4-3240	S4 - Span 4F-4G Deck Section		14 21-A	ig-23 A 31-Aug-	3 A 10-Aug-	23 10-Aug-23		-							
3.4-3244	54 - Span 4F-4G Post-tensioning (Stage 4)		12 25-S	p-23 A 05-Oct	23 10-Aug-	23 18-Aug-23	-39			-	-				
													Date	Bavi	ion Cheded .
Current Mile						+ /M		11	-4-) (D44, COD)		Project ID: KTE-WP44_M5	3	25-Mar-23	Submit CSD Programme	Rev 39wth M/7 Mon., TYY D
Critical Rema	aning Work	ntrai Kov	vioon I						ate) (Rev44- CSD)		Baseline: Layout: KTE - 3 Months Ro	lling Programme	25-Jun-23	Submit CSD Programme	Rev 39with M46/49 TYY D Rev 40with M50 Mon TYY D
- Remaining V	Vłok			inree M	onth Ro	lling Pro	gram	me				s Rolling_1, KTE - Submission.			Rev 43wth M52 Mon TYY D Rev 44wth M53 Mon TYY D

ID	Activity Name	Orig Dur Start	Finish	Late Start	Late Finish	Total Fical		September 53	October 54	November 55	Decer	aper.	January 57	
3.4-3246	54 - Span 4F-4G Remove Falsework and Formwork	12 06-0d-23	19-Oct-23	13-Apr-24	26-Apr-24	149	2	03 10 17 24	01 08 15 22	29 05 12 19 26	03 10	17 24 3	1 07 14	21
S4- Span 4G-4i	H(R) (Stage 5)	44 06-0d-23	27-Nov-23	19-Aug-23	11-Jun-24	153								
3.4-3252a	S4- Stitch joint - Span 4G-4H Web and Soffit at 4G	10 06-0d-23	17-0d-23	19-Aug-23	30-Aug-23	-39								
3.4-3254a	54- Stitch joint - Span 4G-4H Deck Section at 4G	10 18-Oct-23	30-Oct-23	31-Aug-23	11-Sep-23	-39				•				
3.4-3258	S4- Span 4G-4H Post-tensioning (Stage 5)	12 31-04-23	13-Nov-23	12-Sep-23	25:5ep-23	-39								
3.4-3250	S4 - Span 4G-4H Remove Falsework and Formwork	12 14-Nov-23	27-Nov-23	28-May-24	11-Jun-24	153								
					12-Jul-24									
Sch_3.5 Bridge S	S7 Works	142 25-Aug-23 A		03-Aug-23		115								
S7 - Deck		86 25-Aug-23 A		03-Aug-23	04-May-24	115								
S7 - Span 78-70		74 04-Sep-23 A	22-Nov-23	03-Aug-23	27-Sep-23	-45								
3.5-3444	57 - Span7B-7C Erect Steel Portal (over Kai Cheung Road Slip Road) Sunday only (4)	24 04-Sep-23 A	07-Oct-23	03-Aug-23	14-Aug-23	-45			-					
3.5-3444A	S7 - Span78-7C Fabrication Steel Portal (over Kai Cheung Road Slip Road) Day works (4)	12 04-Sep-23 A	07-Oct-23	03-Aug-23	14-Aug-23	-45			—					
3.5-3446	S7 - Span 7B-7C Install Bearings	6 09-Oct-23	14-Oct-23	19-Aug-23	25-Aug-23	-41			-					
3.5-3448	57 - Span 7B-7C formworks on steel portal	10 09-Oct-23	19-Oct-23	15-Aug-23	25-Aug-23	-45								
3.5-3450	S7 - Span 7B-7C Web and Soffit	14 20-0d-23	06-Nov-23	26-Aug-23	11-Sep-23	-45								
3.5-3452	S7 - Span 7B-7C Deck Section	14 07-Nov-23	22-Nov-23	12-Sep-23	27-Sep-23	-45								
S7 - Span 7C-70	D	86 25-Aug-23 A	06-Dec-23	09-Aug-23	04-May-24	115								
3.5-3454	57 - Span 7C-7D Falsework and formworks	14 25-Aug-23 A	31-Aug-23 A	09-Aug-23	09-Aug-23									
3.5-3462	57 - Span 7C-7D Install Bearings	6 16-Sep-23 A	20-Sep-23 A	09-Aug-23	09-Aug-23			_						
3.5-3456	S7 - Span 7C-7D Web and Soffit	12 25-Sep-23 A	13-Oct-23	09-Aug-23	25-Aug-23	-40								
3.5-3458	57 - Span 7C-7D Deck Section	11 14-0d-23	27-0d-23	28-Sep-23	12-Od-23	-12								
3.5-3468	S7 - Span 7B-7C, 7C-7D Remove Fakework and Formwork	12 23-Nov-23	06-Dee-23	20-Apr-24	04-May-24	115					_			
											_			
S7 - Miscellaneo		68 23-Nov-23	20-Feb-24	28-Sep-23	12-Jul-24	115								
3.5-3470	57 - Install Profile barrier / Parapet Wall / Planter	56 23-Nov-23	30-Jan-24	28-Sep-23	05-Dec-23	-45								
3.5-3472	S7 - Bridge Drainage works	28 07-Dec-23	11-Jan-24	06-May-24	07-Jun-24	115								
3.5-3474	S7 - Road Lighting and Road Furniture	28 12-Jan-24	20-Feb-24	08-Jun-24	12-Jul-24	115								_
Sch_3.6 Bridge S	S8 Works	177 15-Jul-23 A	29-Jan-24	06-Jul-23	31-Oct-23	-74								
S8 - Pile Caps, P	Pier / Abutment	33 15-Jul-23 A	06-Od-23	06-Jul-23	15-Jul-23	-69								
Pier 8B		33 15-Jul-23 A	06-Oct-23	06-Jul-23	15-Jul-23	-69								
3.6-3622	58 - Construct pile cap C-8B-58	13 15-Jul-23 A	26-Jul-23 A	06-Jul-23	06-Jul-23									
3.6-3624	S8 - Construct Pier P-8B-58 (2 Lifts)	20 27-Jul-23 A	06-Oct-23	06-Jul-23	15-Jul-23	-69	-		-					
S8 - Deck		94 07-0d-23	29-Jan-24	17-Jul-23	31-Oct-23	-74								
S8 - Span 8A-88	B (Stage 1)	73 07-0d-23	04-Jan-24	17-Jul-23	21-Oct-23	-60								
3.6-36508 -1	58 - Span BA-8B demobilitrane and site preparation for M2 & M3	12 07-04-23	20-Od-23	17-Jul-23	29-Jul-23	-69								
3.6-3650B	58 - Span 8A-8B construct of M2 footing	10 21-0d-23	02-Nov-23	31-Jul-23	10-Aug-23	-69								
3.6-3650A -1	58 - Span 8A-8B demobilitate and site preparation for M1	12 26-0d-23	08-Nov-23	25-Jul-23	07-Aug-23	-77			_					
3.6-3656A	58 - Span 8A-8B erect concision bar programmer in the	24 01-Nov-23	28-Nov-23	05-5ep-23	04-Od-23	-46								
		10 09-Nov-23	20-Nov-23			-77								
3.6-3650A	S8 - Span 8A-8B construct of M1 footing			08-Aug-23	18-Aug-23									
3.6-3651	58 - Span 8A-8B Erect temp tower of portal	14 13-Nov-23	28-Nov-23	11-Aug-23	26-Aug-23	-77								
											Date	Revisor) Che	ded A
Current Miesic		owloon Rout	e - Kai	Tak Eas	t (Mont	h 53	Upd	te) (Rev44- CSD)	Project ID: KTE-WP44_MS Baseline:	3	25-Mar-23	Submit CSD Programme Re Submit CSD Programme Re	w 39wth M47 Mon TYY	DC
Critical Remain	ting Work				ing Prog				Layout: KTE - 3 Months Ro		25-Jun-23 25-Aug-23	Submit CSD Programme Re Submit CSD Programme Re	w 40with M50 Mon TYY	DC
Remaining We	DRK								Filter: TASK filters: 3 Month	s Rolling_1, KTE - Submission.	25-940-23 25-Sep 23	Submit CSD Programme Re Submit CSD Programme Re		00
									Page 6 of 20		1		1	

ity ID Activity Name		Orig Dur	Stat	Finish	Late Start	Late Finish	Tota Filts	September 53	0ctober November 54 55	December 56	January 57
3.6-3652 58 - Span 8A-8	IB Erect Stael Portal (over Kai Cheung Road) Night works (9)	14	29-Nov-23	14-Dec-23	28-Aug-23	12-Sep-23	-7	27 03 10 17 24	01 08 15 22 29 05 12 19 26	03 10 17	24 31 07 14
3.6-3652A 58 - Span 8A-B	IB fabrication Steel Portal (over Kai Cheung Road) day works	14	29-Nov-23	14-Dec-23	16-Sep-23	04-Od-23	-6				
(9) 3.6-3656 S8 - Span 8A-8	IB Falsework and formworks	9	15-Dec-23	27-Dec-23	05-Oct-23	14-Oct-23	-6				
3.6-3654 58 - Span 8A-8	IB Instal Bearings	6	28-Dec-23	04-Jan-24	16-Od:23	21-Oct-23	-6				
S8 - Span 8B-8C (Stage 2)		82	21-01-23	29-Jan-24	24-Aug-23	31-Oct-23	-7-				
	IC Construction of M3 footing		21-0d-23	02-Nov-23	24-Aug-23	04-Sep-23	-4				
	IC Construction of M4 footing	10	03-Nov-23	14-Nov-23	05-Sep-23	15-Sep-23	-4				
	tower of portal at 8C		15-Dec-23	30-Dec-23	16-Sep-23	29-5ep-23	-7				
	IC Erect Steel Portal (over Kai Cheung Road Slip Road) Night		02-Jan-24	15-Jan-24	03-Oct-23	16-Oct-23	-7-				
works (10)	IC fabricaton Steel Portal (over Kai Cheung Road Slip Road) day		02-Jan-24	12-Jan-24	05-Od-23	16-Od-23	-7.				
works (10)	IC Falsework and formworks		16-Jan-24	29-Jan-24	17-04-23	31-0d-23	-7-				
							78				
Sch_3.8 Bridge S1/S9 Works			25-Sep-23	20-Jan-24	21-Jul-23	04-Sep-26					
S1/S9 - Deck			25-Sep-23	03-Oct-23	13-Aug-26	19-Aug-26	85				
S1/S9 - Span 7A-7B (L) (Stage			25-Sep-23	03-0d-23	13-Aug-26	19-Aug-26	85				
	S1/S9, Remove Falsework, formwork and Trusses		25-Sep-23	03-Oct-23	13-Aug-26	19-Aug-26	85		1		
S1/S9 - Miscellaneous Works			25-Sep-23	20-Jan-24	21-Jul-23	04-Sep-26	78				
3.8-4118 BEM - 51/59 (L	L) - Install Profile barrier / Parapet Wall / Planter / TCSS duct (L)	38	25-Sep-23	10-Nov-23	06-Dac 23	22-Jan-24	5				
3.8-1111 S1/S9 - Road L	Jghting and Road Fumiture	28	25-Sep-23	30-Oct-23	08-Sep-23	12-Oct-23	-1				
3.8-4127a S1/S9 - Remov	ve Steel Portal (over KFR) Night works (2 & 3) (Westbound)	18	25-Sep-23	17-Oct-23	21-Jul-23	10-Aug-23	-5				
3.8-4110a 51/59 - Bridge	Drainage works (L)	14	04-Oct-23	19-Oct-23	20-Aug-26	04-Sep-26	85				
3.8-4128 S1/S9 - Bridge	Watermain / Irrigation system	28	16-Dec-23	20-Jan-24	23-Apr-24	27-May-24	9				
Sch_3.9 Bridge CKRW Works	i	212	30-May-23 A	27-Feb-24	20-Jul-23	15-Jul-24	11				
CKRW - Pile Caps, Pier / Abut	tment	108	30-May-23 A	17-0d-23	20-Jul-23	28-Nov-23	3.				
Abutment A-K1-CKRW		108	30-May-23 A	17-0d-23	20-Jul-23	28-Nov-23	3.				
3.9-4236 CKRW - Constru	uct Abutment A-K1-CKRW	18	30-May-23 A	07-Oct-23	20-Jul-23	20-Jul-23	-6		—		
3.9-4238 0KRW - A-K1-O	XRW Install Permeate Membrane and Backfill	9	07-Od-23	17-0d-23	18-Nov-23	28-Nov-23	3.				
CKRW - Deck		103	05-Aug-23 A	28-Nov-23	21-Jul-23	02-Apr-24	9				
CKRW- Span K1-CKRW - K5-C	CKRW	20	07-Oct-23	31-Oct-23	21-Jul-23	12-Aug-23	-6				
3.9-4282A CKRW - Span K	(1-K5 Web and Soffit (stitch joint at K1)	10	07-Oct-23	18-0d-23	21-Jul-23	01-Aug-23	-6.				
3.9-4284A GKRW - Span K	(1-K5 Deck Section (slitch joint at K1)	10	19-Oct-23	31-Od-23	02-Aug-23	12-Aug-23	-6.				
CKRW- Span K5-CKRW - K4-0	CKRW	103	05-Aug-23 A	28-Nov-23	21-Jul-23	02-Apr-24	9				
3.9-4304 CKRW - Span K	(5-K4 Deck Section	16	05-Aug-23 A	25-Aug-23 A	21-Jul-23	21-Jul-23					
3.9-4302A GKRW - Span K	(5-K4 Web and Soffit (slitch joint at K4)		25-Sep-23	07-Od-23	21-Jul-23	01-Aug-23	-5				
3.9-4304A OKRW - Span K	(5-K4 Deck Section (stitch joint at K4)	10	09-0ct-23	19-Oct-23	02-Aug-23	12-Aug-23	-5				
	post-tensioning and Grouting (Stage 1)		01-Nov-23	14-Nov-23	14-Aug-23	26-Aug-23	-6.				
	CKRW Remove Falsework and Formwork	12	15-Nov-23	28-Nov-23	16-Mar-24	02-Apr-24	9				
CKRW - Miscellaneous Works			15-Nov-23	27-Feb-24	14-Dec-23	15-Jul-24	11				
	 Install Parapet Vial / TCSS duct (R) 		15-Nov-23	02-Jan-24	14-Dec23	31-Jan-24	2				
515 1000 BLF1 - CNOV - 1	a search anapose (100). That's MMAL (15)	- 39	101401-20	Second Party		31-561-24					
Current Messione									Project ID: KTE-WP44_M53	Date	Revision Chedee
Adual Work	Central K	owloo	n Rout	e - Kai	Tak Eas	st (Mont	h 53	Update) (Rev44- CSD)	Baseline:	25 May 23 Submit CSE	D Programme Rev 39wth M47 Mon TYY D Programme Rev 39wth M4549 TYY
Catical Remaining Work						ing Prog			Layout: KTE - 3 Months Rolling Programme	25-Aug-23 Submt CSL	D Programme Rev 40with M60 Mon TYY D Programme Rev 43with M62 Mon TYY
							-		Filter: TASK filters: 3 Months Rolling_1, KTE - Submission.		D Programme Rev 44with M53 Mon TrY
									Page 7 of 20		

D	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical		-	Septer	miaer 2			Octo	ober			Novem	ber			Decen	lotr			January	
								27	03	10	17	24	01	08	4	22 2	9 05	12	19	26	03	10	17	24	31 0	7 14	21
3.9-4310	OKRW - Bridge Drainage Works	26	16-Dec-23	18-Jan-24	03-Apr-24	04-May-24	81																		-		1
3.9-4314	GKRW - Movement Joint	12	03-Jan-24	16-3an-24	07-May-24	21-May-24	96																			_	
3.9-4316	OKRW - Road pavement	14	17-Jan-24	01-Feb-24	22-May-24	06-Jun-24	96																			•	
3.9-4312	OKRW - Road Lighting and Road Fumiture	28	19-Jan-24	27-Feb-24	12-Jun-24	15-Jul-24	111																				
Sch. 4.2 Slip R	Road Underpass 53	174	05-Jul-23 A	06-Feb-24	11-Mar-23	04-Sep-26	768																				
	ted to TTA (Ramp W4-W1)		05-Jul-23 A	06-Feb-24	16-Dec-23	27-Feb-24	11																				
						01-Feb-24																					
ELS for Under			21-Dec-23	06-Feb-24	16-Dao23		-4																				
4-4513	S3 - Install cofferdany open cut with concrete bik installation (W1-W3)	16	21-Dec-23	11-Jan-24	16-Dec-23	06-Jan-24	-4																	1	1		
4-4515	S3 - Excavation down to final formation level (W1-W3)	22	12-Jan-24	06-Feb-24	08-Jan-24	01-Feb-24	-4																			-	-
RC Structures	5	45	05-Jul-23 A	16-Sep-23 A	27-Feb-24	27-Feb-24																					
Ramp W4 to	W1		05-Jul-23 A	16-Sep-23 A	27-Feb-24	27-Fcb-24																					
Bay W4		45	05-Jul-23 A	16-Sep-23 A	27-Feb-24	27-Feb-24			1																		
4-4550	S3-W4 - Construct Side Wall (3 pours)		05-Jul-23 A	16-Sep-23 A	27-Feb-24	27-Feb-24															-						
							775																				
	ge 4 (Box Section Bay 4 & 5 and Ramp E7-E4)	129	08-Jul-23 A	29-Jan-24	11-Mar-23	04-5ep-26	775																				
TTA Advance	Works	8	08-Jul-23 A	15-Jul-23 A	04-Sep-26	04-Sep-26																					
44622	TTA - Implement TTA Stage 4 (KFR TTA stage 4.1A)	0	08-Jul-23 A		04-Sep-26																						
4-4624	TTA - TTA Stage 4 Trial Run (KRR TTA stage 4.1A)	2	08-Jul-23 A	09-Jul-23 A	04-Sep-26	04-Sep-26																					
4-4626	TTA - Trial Pits / Site investigation	6	11-Jul-23 A	15-Jul-23 A	01-Sep-26	01-Sep-26																					
Sheetpile inst	tallation	30	24-Jul-23 A	16-Sep-23 A	11-Mar-23	18-Jul-23																					
4-4632-4	53 - Bay 5/Box & E7 (left hand side)	15	24-Jul-23 A	16-Aug-23 A	11-Mar-23	11-Mar-23																					
4-4632-3	S3 - Bay E5 to E4 (Right hand side)		30-Jul-23 A	11-Sep-23 A	18-Jul-23	18-Jul-23				-																	
4-4632-5	S3 - Bay E6 (Left hand side)/height restriction by footbridge		17-Aug-23 A	24-Aug-23 A		18-Jul-23																					
4-4632-6	53 - Bay E5 to E4 (left hand side)	15	25-Aug-23 A	16-Sep-23 A	18-Jul-23	18-Jul-23		-	1	-																	
ELS for Under	rpass	125	25-Aug-23 A	29-Jan-24	11-Mar-23	17-Nov-23	-59																				
4-4636	S3 - (Bay 4b/5/E7) Excavation down to 0.5m below 1st waling & strut; install waling & strut	20	25-Aug-23 A	11-Oct-23	11-Mar-23	25-Mar-23	-161							-													
4-4630-A	S3 - pumping test	7	25-Sep-23	04-Oct-23	25-Apr-23	03-May-23	-127						- 1														
4-4643-1	53 - (Bay E4/E5/E6) Excavation down to 0.5m below 1st waling & strut;	16	25-Sep-23	14-0d-23	18-Jul-23	04-Aug-23	-59							_													
4-4638	install waing & strut S3 - (Bay 4b/5/E7) Exavation down to 0.5m below 2nd waling & strut:	28	12-0d-23	14-Nov-23	27-Mar-23	03-May-23	-161							-													
4-4643-2	install waing & strut (stifferner) S3 - (Bay E4/E5/E6) Excavation down to 0.5m below 2nd waing & strut;	74	16-0d-23	13-Nov-23	05-Aug-23	01-Sep-23	-59											1									
	install waling & strut (stifferner)																	Τ									
4-4643-3	S3 - (Bay E4/E5/E6) Excavation down to 0.5m below 3rd waling & strut; install waling & strut		14-Nov-23	01-Dec-23	02-Sep-23	20-Sep-23	-59																				
4-4640	S3 - (Bay 4b/5/E7) Extavation down to 0.5m below 3rd waling & strut; install waling & strut		15-Nov-23	12-Dec-23	04-May-23	01-Jun-23	-161																				
4-4643-5	53 - (Bay E4/E5) Excavation down to final formation level	8	02-Dec-23	11-Dec-23	09-Nov-23	17-Nov-23	-20															-					
4-4643-4	53 - (Bay E6) Excavation down to 0.5m below 4th waling & strut; install waling & strut; (ore-load)	24	02-Dec-23	02-3an-24	21-Sep-23	20-Od-23	-59														-						
4-4641	valing is suit (pre-val) S3 - (Bay 4b/5/E7) Excavation down to 0.5m below 4th waling & strut; install waling & strut (pre-val)	28	13-Dec-23	17-Jan-24	02-Jun-23	06-Jul-23	-161															_	_	_	_	_	
4-4643-6	S3 - (Bay E6) Excavation down to final formation level	4	03-Jan-24	06-Jan-24	21-Od:23	26-Oct-23	-59																				
4-4642	S3 - (Bay 4b/5/E7) Exavation down to final formation level	10	18-Jan-24	29-Jan-24	07-Jul-23	18-Jul-23	-161																				_
Sch 54 Retain	ning Walls and At-grade Road Works	406	13-Jan-23 A	06-Jun-24	07-Jun-23	04-Sep-26	676																				
			13-Jan-23 A	13-Apr-24	19-Jun-23		692																				
Retaining Wa	and	362	13980-23 A	13401-24	19-001-23	05+40g-26	092																				
-																						Date		Rev	ison		Checked
Current Mike		wlea	n Port	o - Kai '	Tak Eas	t (Mont	h 52 1	llnd	ato) //	Dov/A				roject ID: aseline:	KTE-WP4	4_M53						Aar-23 Aay-23	Submit CSU	Programme	e Rev 39wth M c Rev 39wth M	47 Mon. D	W D
Critical Rem	mining Work	00100				ing Prog			ate) (I	Nev44	- 031	"			E - 3 Mon	ths Rolling	Programn	ne			25-J	un-23	Submit CSI	Programme	e Rev 40with M	60 Mon Th	W D
Remaining	y Vécek		in	ee won	ai Rolli	ing Proj	grann	ne									olling_1, K		mission.			ug-23 kep-23			e Rev 43wth M c Rov 44wth M		
													1											-			\rightarrow

ID	Activity Name	Orig Dur Start	Fitish	Late Start	Late Finish	Total Fical		September 53		October 54	No	sternber 55		December 56			January 57	Ξ
RW-S1-a		28 25-Sep-	3 30-Oct-23	10-Nov-23	12-Dec-23	37	2	7 03 10 17	24	1 08 15	22 29 05	12 19 26	6 03	10 17	24	31 07	14 21	-
5A-5012	RW-S1-a - Fill upto formation level	28 25-Sep-	3 30-Oct-23	10-Nov-23	12-Dec-23	37			_									
RW-S1		259 13-Jan-2	A 30-Nov-23	17-Jul-23	18-Sep-23	-60												
Retaining Wal		259 13-Jan-2	A 30-Nov-23	17-Jul-23	18-Sep-23													
5A-5034	RW-S1 - Construct Well (Bay10)	14 13-Jan-2	A 30-Nov-23	07-Aug-23	18-5ep-23	-60												
5A-5032	RW-S1 - Construct Base Slab (Bay 8)	7 25-Aug-2	A 16-Sep-23 A	17-Jul-23	17-Jul-23		-											
5A-5038	RW-51 - Construct Wall (Bay6)	9 18-Sep-2	A 06-0d-23	17-Jul-23	26-Jul-23	-60				-								
5A-5038a	RW-S1 - Construct Wall (Bay 9)	9 07-04-2	3 17-Od-23	27-Jul-23	05-Aug-23	-60												
5A-5058c	RW-S1 - Fill upto formation level (SPT) remaining	36 19-00-2	3 30-Nov-23	08-Aug-23	18-Sep-23	-60				_								
RW-S1/S2		49 01-Dec-	3 30-3an-24	19-Sep-23	03-Aug-26	746												
RW-S1/S2 (st	tage 1- after TTA stage 2.1)	49 01-Dec-	3 30-Jan-24	19-5ap-23	03-Aug-26													
5A-5062	RW-S1/S2 - Excavation down to formation level +4.8/+7.25	7 01-Dec-	3 08-Deo-23	19-Sep-23	26-Sep-23	-60												
5A-5064	RW-51/S2 - Plate Load Test and Report	14 09-Dec-	3 27-Dec-23	27-Sep-23	14-Oct-23	-60									_			
5A-5066	RW-51/S2 - Construct Base Slab (Bay 7)	14 28-Dec:		16-Oct-23	01-Nov-23	-60												
5A-5068	RW-S1/S2 - Construct Base Slab (Bay 6)	14 15-Jan-	4 30-Jan-24	02-Nov-23	17-Nov-23	-60												-
5A-5070	RW-S1/S2 - Construct Wall (Bay 7)	14 15-Jan-		18-Jul-26	03-Aug-26	746												_
RW-S2	in other contract in (col r)	101 01-Aug-2		19-Jun-23	05-Feb-24	8												
5A-5112	RW-52 - Construct Wall (Bay 4)	36 01-Aug-2			26-Jun-23													
5A-5116	RW-S2 - Construct Wall (Bay 3)	36 01-Sep-2			26-Jun-23													
5A-5114	RW-S2 - Construct Base Slab (Bay 2)	24 25-Sep		07-Sep-23	06-Od-23	-15												
5A-5114a	RW-S2 - Construct Base Slab (Bay 1)	24 25-5ep-		19-Jun-23	18-Jul-23	-82												
5A-5120B	RW-S2 - Fill up to formation level (SPT) for TTA stage 2.1	18 25-Sep-2		26-Jun-23	22-Jul-23	-77					_							
5A-5120B					12-5ep-23	-//												
5A-5118	RW-S2 - Construct Wall (Bay1) (2 pours) RW-S2 - Construct Wall (Bay 2)	48 26-0d-3 24 26-0d-3		19-Jul-23 07-Oct-23	04-Nov-23	-62						_						
	,																	
5A-5427	RW-S2 - excavate after TTA KCR stage 2.1 implementation	24 01-Nov-			25-Aug-23	-78												
5A-5427a-1	RW-S2 - Construct Top slab (Bay 0a)- 1st pour with TCSS	24 01-Nov-			12-Sep-23	-63												
5A-5427a	RW-S2 - Construct Top slab (Bay 0a)- final pour	24 29-Nov-			22-Sep-23	-78												
5A-5427b-1	RW-S2 - Construct Top slab (Bay 0b)- 1st pour with TCSS	24 29-Nov-		13-Sep-23	12-Oct-23	-63												_
5A-5120	RW-S2 - Fill up to formation level (SPT)	28 21-Dec-		06-Nov-23	07-Dec-23	-39								•				<u>.</u>
5A-5427c-1	RW-52 - Construct Top slab (Bay 1)- 1st pour with TCSS	24 21-Dec-		13-Sep-23	12-Od-23	-82								•				
5A-5427b	RW-S2 - Construct Top slab (Bay 0b)- final pour	24 29-Dec-		23-Sep-23	24-Oct-23	-78												9
5A-5429	RW-S2 - completion of TCSS (BEM)	0	20-Jan-24		05-Feb-24	13											•	
RW-S4-a		100 13-Sep-2		06-Od-23	11-Nov-23	-61												
5A-5170A	RW-S4-a - Excavation down to formation level for Bay 2	7 13-Sep-2			06-Oct-23													
5A-5172	RW-S4-a - Plate Load Test and Report	14 25-Sep-	3 12-0d-23	06-Oct-23	21-Oct-23	8												
5A-5176	RW-54-a - Construct Base Slab (Bay 2)	7 13-005	3 20-Od-23	24-Oct-23	31-Od-23	8												
5A-5170	RW-S4-a - Excavation down to formation level +3.3/+5.0	7 20-Dec-	3 29-Dec-23	09-Oct-23	16-Oct-23	-61								•				
5A-5174	RW-S4-a - Construct Base Slab (Bay 1)	7 30-Dec	3 08-Jan-24	17-Od-23	25-Od-23	-61									-			
Quittent Mics	sone									Project ID: KTE-W	D44 NE2			Date	Revi		Cheded	
Adual Work	Cen	tral Kowloon Ro	ute - Kai	Tak Eas	st (Mon	th 53	Upd	ate) (Rev44- CSD)	Project ID: KTE-W Baseline:	r++_mD3		25-Ms 25-Ms	iy23 Submit	CSD Programme	Rev 39wth M47 M Rev 39wth M4648	9 TYY D	DX DX
Citical Remaining Vi	ining Work		hree Moi					,,	,		onths Rolling Programme		25-Ju 25-Au	n-23 Submit	CSD Programme	Rev 40with M50 M Rev 43with M52 M	kn TrY D	DX UX
- remaining vi	autori									Filter: TASK filters:	3 Months Rolling_1, KTE - 8	SUDMISSION.	25 Se	p 23 Submit	CSD Programme	Rev 44with M53 M	lan TYY C	D
										Page 9 of 20								

)	Activity Name	Orig Dur Statt	Fitish	Late Start	Late Finish	Fical	_	53	_	54	55		56		57	
5A-5178	RW-54-a - Construct Wall (Bay 1)	5 09-Jan-24	13-Jan-24	26-Oct-23	31-Oct-23	-61	27	03 10 17	24	01 08 15 22 29	05 12 19 26	03	10 17	24 31	07 14	21
5A-5182	RW-54-a - Construct Base Slab (Bay 3)	7 09-Jan-24		30-Od:23	05-Nov-23	-58										
			16-Jan-24													
5A-5180	RW-S4-a - Construct Wall (Bay 2)		19-Jan-24	01-Nov-23	05-Nov-23	-61										
5A-5184	RW-54-a - Construct Wall (Bay 3)	5 20-Jan-24	25-Jan-24	07-Nov-23	11-Nov-23	-61										
RW-S7-a		40 18-Nov-23	06-Jan-24	10-Aug-23	25-Sep-23	-83										
5A-5192	RW-S7-a - Construct Base Slab (RW-S7-a1)	14 18-Nov-23	04-Dec-23	10-Aug-23	25-Aug-23	-83										
5A-5196	RW-57-a - Construct Wall (RW-57-a1)	9 05-Dec-23	14-Dec-23	30-Aug-23	08-Sep-23	-80						-	-			
5A-5416	RW-57-a - Construct Base Slab (RW-57-a2)	12 05-Dec-23	18-Dec-23	26-Aug-23	08-Sep-23	-83						-	-			
5A-5418	RW-S7-a - Construct Wall (RW-S7-a2)	14 19-Dec-23	06-Jan-24	09-Sep-23	25-Sep-23	-83							_			
RW-S7		82 02-Nov-23	08-Feb-24	13-Jul-23	31-Oct-23	-83										
5A-5188	RW-S7 - Excavation down to formation level +3.5/+4.1	7 02-Nov-23	09-Nov-23	13-Jul-23	20-Jul-23	-93				•	-					
5A-5210	RW-S7 - Construct Base Slab (Bay 9)	7 05-Dec-23	12-Deo-23	09-Oct-23	16-Oct-23	-48										
5A-5214	RW-S7 - Construct Wall (Bay 9)	5 15-Dec-23	20-Dec-23	17-Oct-23	21-Oct-23	-50							ė.			
5A-5216	RW-S7 - Fill upto formation level	28 08-Jan-24	08-Feb-24	26-Sap-23	31-Od-23	-83										
RW-57/58		83 10-Nov-23	24-Feb-24	24-Jul-23	31-Oct-23	-91										
5A-5218	RW-S7/S8 - Excavation down to formation level +3.8/+3.9	7 10-Nov-23	17-Nov-23	24-Jul-23	31-Jul-23	-91										
5A-5220	RW-S7/S8 - Plate Load Test and Report	14 18-Nov-23	04-Dec 23	01-Aug-23	16-Aug-23	-91										
5A-5222	RW-57/S8 - Construct Base Slab (Bay 1)	7 05-Dec-23	12-Dec-23		21-Aug-23	-91										
5A-5224	RW-57/S8 - Construct Base Slab (Bay 2)	7 13-Dec-23	20-Dec-23	28-Aug-23	04-Sep-23	-89										
5A-5226	RW-57/S8 - Construct Wall (Bay 1)	9 13-Dec-23	22-Dec-23	25-Aug-23	04-Sep-23	-91										
5A-5228			30-Dec-23		14-5ep-23	-97										
	RW-57/58 - Construct Base Slab (Bay 3)			07-Sep-23												
5A-5230	RW-S7/S8 - Construct Wall (Bay 2)	9 23-Dec-23	05-Jan-24	05-Sep-23	14-Sep-23	-91										
5A-5232	RW-S7/S8 - Construct Wall (Bay 3)	9 06-Jan-24	16-Jan-24	15-Sep-23	25-Sep-23	-91										
5A-5234	RW-S7/S8 - Fill upto formation level	28 17-Jan-24	24-Feb-24	26-Sep-23	31-Oct-23	-91										
RW-57/58-a		61 16-Nov-23	29-Jan-24	27-Jul-23	07-Oct-23	-93										
5A-5236	RW-S7/S8-a - Excavation down to formation level +4.6/+6.5	5 16-Nov-23	21-Nov-23	27-Jul-23	01-Aug-23	-93					-					
5A-5238	RW-S7/S8-a - Plate Load Test and Report	14 22-Nov-23	07-Dec-23	02-Aug-23	17-Aug-23	-93										
5A-5240	RW-S7/S8-a - Construct Base Slab (Bay 1)	7 08-Dec-23	15-Deo-23	18-Aug-23	25-Aug-23	-93						-	-			
5A-5242	RW-S7/S8-a - Construct Base Slab (Bay 2)	7 16-Dec-23	23-Dec-23	26-Aug-23	02-Sep-23	-93							-	1		
5A-5244	RW-57/S8-a - Construct Wall (Bay 1)	5 16-Dec-23	21-Dec-23	02-5ap-23	07-Sep-23	-87							<u> </u>			
5A-5246	RW-57/S8-a - Construct Base Slab (Bay 3)	7 27-Dec-23	04-Jan-24	04-Sep-23	11-Sep-23	-93								_		
5A-5248	RW-57/S8-a - Construct Wall (Bay 2)	5 27-Dec-23	02-Jan-24	08-Sep-23	13-Sep-23	-89										
5A-5250	RW-57/S8-a - Construct Wall (Bay 3)	5 05-Jan-24	10-Jan-24	14-5ap-23	19-Sep-23	-91									_	
5A-5252	RW-S7/S8-a - Construct Base Slab (Bay 4)	7 05-Jan-24	12-Jan-24	12-Sep-23	19-Sep-23	-93										
5A-5254	RW-S7/S8-a - Construct Wal (Bay 4)	5 13-Jan-24	18-Jan-24	20-Sep-23	25-Sep-23	-93										
5A-5256	RW-57/S8-a - Fill upto formation level	9 19-Jan-24	29-Jan-24	26-5ep-23	07-Od-23	-93										-
RW-S8-b		20 10-Nov-23	02-Dec-23	27-Jul-23	18-Aug-23	-88										
5A-5265c	RW-58-b - Construct Wall (RW-58-b2) (2 Lifts)	20 10-Nov-23	02-Dec-23	27-Jul-23	18-Aug-23	-88						L I				
	the second															
Unrent Mile										Project ID: KTE-WP44_M53		Da 25-Mark		Revision SD Programme Rev 35	Oh with M47 Mon TYY	heded /
Actual Work	* Centra	I Kowloon Rout						ate) (Rev44- CSI))	Baseline: Layout: KTE - 3 Months Rolling Pr	ogramme	25 May 25-Jun-4	23 Submit C	SD Programme Rev 35 SD Programme Rev 40	with M45/49 TYY	(D
Remaining)		Thr	ee Mon	th Rolli	ng Prog	gram	ne			Filter: TASK filters: 3 Months Rolling Pl		25-Aug- 25-Sep	23 Submit C	SD Programme Rev 43	with M52 Mon TYY	/ D
													zs ISubmil C	SD Programme Rev 44	with M53 Mon TYY	0

	Activity Name	Orig Dur Statt	Finish	Late Start	Late Finish	Float	53	54	55	56		57
W-58	1	35 10-Nov-23	20-Dec-23	21-Jul-23	30-Aug-23	-93	7 03 10 17 24	01 08 15 22	29 05 12 19 2	6 03 10 17	24 31	07 14
5A-5276	RW-58 - Construct Base Slab (Bay 6)	7 10-Nov-23	17-Nov-23	23-Aug-23	30-Aug-23	-65						
5A-5280	RW-S8 - Construct Wall (Bay 6)	5 10-Nov-23	15-Nov-23	21-Jul-23	26-Jul-23	-93						
5A-5282	RW-S8 - Fil upto formation level	30 16-Nov-23	20-Dec 23	27-Jul-23	30-Aug-23	-93			· · · · · · · · · · · · · · · · · · ·			
RW-CKR		107 25-Sep-23	02-Feb-24	18-Dec-23	17-Feb-24	7						
RW-CKR-a		45 (0.0ec.23	02-545-24	18-Dec-23	17.5th-24							
5A-5336	RW-CKR-a - Excavation down to formation level +7.5	4 09-Dec-23	13-Deo23	18-Dec-23	21-Dec-23	7						
5A-5338	RW-CKR-a - Plate Load Test and Report	14 14-Dec-23	02-1an-24	22-Dec-23	10-lan-24	,						
5A-5350	RW-CKR-a - Construct Base Slab					'						
5A-5342	RW-CKea - Construct base Station		10-Jan-24	11-Jan-24	18-Jan-24 26-Jan-24							
		7 11-Jan-24	18-Jan-24	19-Jan-24								
5A-5344	RW-CKR-a - Fill upto formation level	13 19-Jan-24	02-Feb-24	27-Jan-24	17-Feb-24	7						
						82						
5A-5358	RW-CKR-c - Install sheetpile cofferdam	14 25-Sep-23	12-0d-23	05-Jan-24	20-Jan-24	82						
RW-CKRW		59 15-Nov-23	25-Jan-24	28-Aug-23	28-Nov-23	-47						
5A-5372	RW-CKRW - Excavation down to formation level +5.2/+5.9	7 15-Nov-23	22-Nov-23	28-Aug-23	04-Sep-23	-65			—			
5A-5374	RW-CKRW - Plate Load Test and Report	14 23-Nov-23	08-Dec-23	05-Sep-23	20-Sep-23	-65			-			
5A-5376	RW-CKRW - Construct Base Slab (Bay 1)	7 09-Dec-23	16-Dec-23	21-Sep-23	28-Sep-23	-65						
5A-5378	RW-CKRW - Construct Base Slab (Bay 2)	7 18-Dec-23	27-Dec-23	29-5ep-23	09-Oct-23	-65				-	_	
5A-5380	RW-CKRW - Construct Wall (Bay 1)	9 18-Dec-23	29-Dec-23	24-Oct-23	02-Nov-23	-47				-	-	
5A-5382	RW-CKRW - Construct Base Slab (Bay 3)	7 28-Dec-23	05-3an-24	10-Od-23	17-Od-23	-65						
5A-5384	RW-CKRW - Construct Wall (Bay 2)	5 30-Dec-23	05-Jan-24	03-Nov-23	08-Nov-23	-47						
5A-5386	RW-CKRW - Construct Wall (Bay 3)	5 06-Jan-24	11-Jan-24	09-Nov-23	14-Nov-23	-47					-	_
5A-5388	RW-CKRW - Fill upto formation level	12 12-Jan-24	25-3an-24	15-Nov-23	28-Nov-23	-47						
RW-CKRW-a		21 06-Jan-24	30-Jan-24	18-Oct-23	11-Nov-23	-65						
5A-5390	RW-CKRW-a - Excavation clown to formation level +3.3/+5.0	7 06-Jan-24	13-Jan-24	18-Oct-23	26-Oct-23	-65					=	_
5A-5392	RW-CKRW-a - Plate Load Test and Report	14 15-Jan-24	30-Jan-24	27-Oct-23	11-Nov-23	-65						
Slope Feature	Works	158 25-Sep-23	13-Apr-24	31-Aug-23	04-Sep-24	119						
5A-5414	S2 - Reinstate the Slope Feature 11NE-C/P92 (loop road)	70 25-Sep-23	18-Dec-23	02-Dec-23	02-Mar-24	56						
Slope Feature	e 11NE-C/F89 (underneath S1/S9)	146 11-0d-23	13-Apr-24	31-Aug-23	04-Sep-24	119						
10-8670d	S9 - Reinstate the Slope Feature 11NE-C/F89 (9C to 9D) - Area 5	60 11-0:1-23	20-Dec-23	06-Od-23	15-Dec-23	-4						
10-8670a	S9 - Reinstate the Slope Feature 11NE-C/F89 (1D to 9A) - Area 2	60 16-Dec-23	05-Mar-24	31-Aug-23	11-Nov-23	-89						
10-8670	59 - Reinstate the Slope Feature 11NE-C/F89 (1E to 1D) - Area 1	60 16-Dec-23	05-Mar-24	26-Jun-24	04-Sep-24	149						
10-8670b	59 - Reinslate the Slope Feature 11NE-C/F89 (9A to 9B) - Area 3	60 24-Jan-24	13-Apr-24	07-Od:23	16-Dec-23	-89						
Road Works		376 26-Jan-23 A	06-Jun-24	07-Jun-23	04-Sep-26	676						
	n of Sign Gantries	196 02-Feb-23 A	21-Mar-24	30-Jul-23	31-Jan-24	-37						
SG-1003	Sign Gantry - Batch 2 fabrication (G36, G41, G42)	0 09-Nov-23		20-5ep-23		-40			_			
SG-1001	Sign Gantry - Batch 1 Fabrication (G35, G35, G37)	0 09-Nov-23		05-0d-23		-29						
SG-1001 SG-1005						-29 -40			•	_		
56-1005	Sign Gantry - Batch 3 fabrication (G22, G33, G61A, G61)	0 07-Dec-23		20-Oct-23		-40				•		
Current Mics	sione							Project ID: KTE-WP44 M	153	Date	Revision	Check
Adual Work	Centra	al Kowloon Rout	e - Kai	Tak Eas	st (Mont	h 53 l	late) (Rev44- CSD)	Baseline:		25 May 23 Subm	t CSD Programme Rev 39wt It CSD Programme Rev 39wt	th M45/49 TYY
Critical Rama Remaining W	aining Work				ing Prog			Layout: KTE - 3 Months I Filter: TASK filters: 3 Mo	Rolling Programme nths Rolling_1, KTE - Submission.	25-Aug-23 Subm	t CSD Programme Rev 40wb t CSD Programme Rev 43wb	th M52 Mon TYY
								. mart mart mard, 5 WD	g_, the outmouth	25-Sep 23 Subm	t CSD Programme Rev 44wb	h M53 Mon TYY

		Orig Dur					Float		54	65	56	57
SG-1007	Sign Gantry - Batch 4 fabrication (G23, G72, G73)	0	21-Dec-23		04-Nov-23		-40	7 03 10 17 24	01 08 15 22 29	05 12 19 26	03 10 17 24	31 07 14 2
SG-1009	Sign Gantry - Batch 5 fabrication (G31, G32, G62, FADS-T4)		15-Jan-24		25-Nov-23		-40					-
Sign Gantry - S	Shop Drawings Preparation, Approval and Fabrication - G22	1.38	10-Jul-23.A	08-Feb-24	17-Oct-23	31-Jan-24	-7					
5G-G22-B	Sign Gantry - Project Manager, HYD and BEM checking and approval (3miths)	90	10-Jul-23 A	09-Oct-23	17-0±23	31-Oct-23	22					
	-G22					28-Nov-23	17			_		
5G-G22-C	Sign Gantry - Material Testing - G22		25-Sep-23	08-Nov-23	17-Od:23		1/					
SG-G22-D	Sign Gentry - Fabrication - G22	52	07-Dec-23	08-Feb-24	29-Nov-23	31-Jan-24	-7					
SG-G23-B	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G23	90	18-Jul-23 A	17-0d-23	12-Oct-23	03-Nov-23	17					
SG-G23-C	Sign Gantry - Material Testing - G23	36	25-Sep-23	08-Nov-23	12-Oct-23	23-Nov-23	13			-		
5G-G23-D	Sign Gantry - Fabrication - G23	52	21-Dec-23	29-Feb-24	24-Nov-23	26-Jan-24	-23					
Sign Gantry - S	Shop Drawings Preparation, Approval and Fabrication - G31	168	18-Jul-23 A	21-Mar-24	16-Od-23	30-Jan-24	-38					
SG-G31-B	Sign Gantry - Project Manager; HYD and BEM checking and approval (3mths)	90	18-Jul-23 A	17-Oct-23	16-Oct-23	07-Nov-23	21					
5G-G31-C	- G31 Sign Gantry - Material Testing - G31	36	25-Sep-23	08-Nov-23	16-Oct-23	27-Nov-23	16			-		
SG-G31-D	Sign Gantry - Fabrication - G31	52	15-Jan-24	21-Mar-24	28-Nov-23	30-Jan-24	-38					
Sign Gantry - S	Shop Drawings Preparation, Approval and Fabrication - G32	142		21-Mar-2 <u>4</u>	17-Oct-23	31-Jan-2 <u>4</u>	-37					
SG-G32-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths)	90	18-Jul-23 A	17-0ct-23	17-0d-23	08-Nov-23	22					
5G-G32-C	- G32 Sign Gantry - Material Testing - G32		25-Sep-23	08-Nov-23	17-Od-23	28-Nov-23	17			_		
										_		
SG-G32-D	Sign Gantry - Fabrication - G32	52	15-Jan-24	21-Mar-24	29-Nov-23	31-Jan-24	-37					
							-21					
SG-G33-B	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G33	90	18-Jul-23 A	17-Od-23	09-Aug-23	31-Aug-23	-47					
SG-G33-C	Sign Gantry - Material Testing - G33	36	25-Sep-23	08-Nov-23	09-Aug-23	19-Sep-23	-10			-		
SG-G33-D	Sign Gantry - Fabrication - G33	52	07-Dec-23	08-Feb-24	13-Nov-23	15-Jan-24	-21					
Sign Gantry - S	Shop Drawings Preparation, Approval and Fabrication - G35	114	07-Aug-23 A	11-Jan-24	08-Aug-23	31-Jan-24	17					
SG-G35-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G35	90	07-Aug-23 A	06-Nov-23	08-Aug-23	19-Sep-23	-18			•		
SG-G35-C	- G35 Sign Gantry - Material Testing - G35	36	25-Sep-23	08-Nov-23	09-Aug-23	19-Sep-23	-40			-		
5G-G35-D	Sign Gantry - Fabrication - G35	52	09-Nov-23	11-Jan-24	29-Nov-23	31-Jan-24	17	-				
Sign Gantry - S	Shop Drawings Preparation, Approval and Fabrication - G36	114	18-Jul-23 A	11-Jan-24	09-Aug-23	31-Jan-24	17					
SG-G36-B	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths)	90	18-Jul-23 A	17-Oct-23	09-Aug-23	31-Aug-23	-47					
5G-G36-C	- G36 Sign Gantry - Material Testing - G36		25-Sep-23	08-Nov-23	09-Aug-23	19-Sep-23	-40			_		
SG-G36-D	Sign Gantry - Fabrication - G36	52	09-Nov-23	11-Jan-24	29-Nov-23	31-Jan-24	17					
Sign Gantry - S	Shop Drawings Preparation, Approval and Fabrication - G37	114	10-Jul-23 A	11-Jan-24	12-Ott-23	26-Jan-24	13					
SG-G37-B	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G37		10-Jul-23 A	09-Oct-23	12-0ct-23	26-Oct-23	17					
SG-G37-C	Sign Gantry - Material Testing - G37	36	25-Sep-23	08-Nov-23	12-Od-23	23-Nov+23	13			-		
SG-G37-D	Sign Gantry - Fabrication - G37	52	09-Nov-23	11-Jan-24	24-Nov-23	26-Jan-24	13					
Sign Gantry - S	Shop Drawings Preparation, Approval and Fabrication - G41	114	27-Jul-23 A	11-Jan-24	12-Od-23	26-Jan-24	13					
SG-G41-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G41	90	27-Jul-23 A	26-Od-23	12-Od-23	12-Nov-23	17					
SG-G41-C	- G41 Sign Gantry - Material Testing - G41	36	25-Sep-23	08-Nov-23	12-Oct-23	23-Nov-23	13			-		
5G-G41-D	Sign Gentry - Fabrication - G41	52	09-Nov-23	11-Jan-24	24-Nov-23	26-Jan-24	13					
🛡 Current Micel	ione								Project ID: KTE-WP44 M53		Date Revit	ion Checked Rev 39wth M/7 Mon TYY
Adual Work	Central Ko	owlo	on Rout	e - Kai	Tak Eas	t (Montl	h 53	ate) (Rev44- CSD)	Baseline:		25 May 23 Submit CSD Programme	Rev 39wth M46/49 TYY
Critical Remain Remaining Vé	ning Work					ng Prog		,	Layout: KTE - 3 Months Rolling Pro		25-Jun-23 Submit CSD Programme 25-Aug-23 Submit CSD Programme	Rev 40with M50 Mon TYY Rev 43with M52 Mon TYY
Hermaning Ver	nan .					3			Filter: TASK filters: 3 Months Rollin	1, KIE - Submission.		Rev 44with M53 Mon TYY

2	Activity Name	Orig Dur	Statt	Finish	Late Start	Late Finish	Total Float	-	September 53	October 54	November 55	December 56	January 57
Sign Gantry -	Shop Drawings Preparation, Approval and Fabrication - G61	138	18-Jul-23 A	08-Feb-24	17-Ott-23	31-Jan-24	-7	2	03 10 17 24	01 08 15 22 2	9 05 12 19	6 03 10 17 24	31 07 14 21
SG-G61-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths)	90	18-Jul-23 A	17-Od-23	17-Oct-23	08-Nov-23	22						
SG-G61-C	- G61 Sign Gantry - Material Testing - G61		25-Sep-23	08-Nov-23	17-0d-23	28-Nov-23	17						
56-661-D	Sign Gantry - Fabrication - G61		07-Dec-23	08-Feb-24	29-Nov-23	31-Jan-24	-7						
				034024			-7						
	Shop Drawings Preparation, Approval and Fabrication - G61A		18-Jul-23 A	08-Feb-24	12-Od-23	26-Jan-24	-11						
SG-G61A-B	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G61A		18-Jul-23 A	17-0ct-23	12-0d-23	03-Nov-23	17						
5G-G61A-C	Sign Gantry - Material Testing - G61A	36	25-Sep-23	08-Nov-23	12-Od-23	23-Nov-23	13						
SG-G61A-D	Sign Gantry - Fabrication - G61A	52	07-Dec-23	08-Feb-24	24-Nov-23	26-Jan-24	-11						
Sign Gantry -	Shop Drawings Preparation, Approval and Fabrication - G62												
5G-G62-B	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G62	90	18-Jul-23 A	17-Oct-23	13-Oct-23	04-Nov-23	18	<u>+-</u>					
SG-G62-C	Sign Gantry - Material Testing - G62	36	25-Sep-23	08-Nov-23	13-Oct-23	24-Nov-23	14						
SG-G62-D	Sign Gantry - Fabrication - G62	52	15-Jan-24	21-Mar-24	25-Nov-23	27-Jan-24	-40						
Sign Gantry -	Shop Drawings Preparation, Approval and Fabrication - G64	160	02-Feb-23 A	01-Feb-24	30-Jul-23	05-Dec-23	-47						
SG-G64-B	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths)	90	02-Feb-23 A	17-Oct-23	30-Jul-23	21-Aug-23	-57						
SG-G64-C	- G64 Sign Gantry - Material Testing - G64	36		29-Nov-23	22-Aug-23	04-Oct-23	-47						
SG-G64-D	Sign Gantry - Fabrication - G64		30-Nov-23	01-Feb-24	05-Oct-23	05-Dec-23	-47						
		127	35 5 22	04.06=24	11. Aug 22	12.2-24							
Sign Gantry -	Shop Drawings Preparation, Approval and Fabrication - G71	127	23-341-23	044156015254	11000925	12081024	-10						
SG-G71-A	Sign Gantry - Prepare Shop drawing for G71		25-Sep-23	25-Sep-23	11-Aug-23	11-Aug-23	-37						
SG-G71-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G71	90	25-Sep-23	23-Dec-23	12-Aug-23	09-Nov-23	-44						
5G-G71-C	Sign Gantry - Material Testing - G71	36	31-Oct-23	11-Dec/23	26-Sep-23	09-Nov-23	-27						
SG-G71-D	Sign Gantry - Fabrication - G71	52	27-Dec-23	04-Mar-24	10-Nov-23	12-Jan-24	-38					•	
5G-G72-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths)	90	20-Apr-23 A	17-0d-23	29-5ep-23	21-Oct-23	4						
SG-G72-C	Sign Gantry - Material Testing - G72	36	25-Sep-23	08-Nov-23	29-Sep-23	13-Nov-23	4						
SG-G72-D	Sign Gantry - Fabrication - G72	52	21-Dec-23	29-Feb-24	14-Nov-23	16-Jan-24	-32						
Sign Gantry -	Shop Drawings Preparation, Approval and Fabrication - G73	150	18-Jul-23 A	29-Feb-24	05-Oct-23	19-Jan-24	-29						
SG-G73-8	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths)	90	18-Jul-23 A	17-0d-23	05-Od-23	27-Od-23	10	1					
SG-G73-C	- G73 Sign Gantry - Material Testing - G73	36	25-Sep-23	08-Nov-23	05-Oct-23	16-Nov-23	7	-					
5G-G73-D	Sign Gantry - Fabrication - G73		21-Dec-23	29-Feb-24	17-Nov-23	19-Jan-24	-29						
See Carlos		114	10.14.22.6	11-2-0-24	14.01-32	20.100.24	15						
Sign Ganuy -	Shop Drawings Preparation, Approval and Fabrication - G42		10 14 22 1	00.0±22	14.0#22	28.0#22	15						
SG-G42-B	Sign Gantry - Project Manager, HYD and BEM checking and approval (3mths) - G42		10-Jul-23 A	09-Oct-23	14-Oct-23	28-Oct-23							
SG-G42-C	Sign Gantry - Material Testing - G42		25-Sep-23	08-Nov-23	14-0d-23	25-Nov-23	15	l					
SG-G42-D	Sign Gantry - Fabrication - G42	52	09-Nov-23	11-Jan-24	27-Nov-23	29-Jan-24	15						
SG-T4-A	Sign Face - Prepare Shop drawing for FADS-T4	48	04-Jul-23 A	09-Aug-23 A	14-0t-23	14-Oct-23							
SG-T4-B	Sign Face - Project Manager, HYD and BEM checking and approval (3mths) - FADS-T4	90	09-Aug-23 A	08-Nov-23 A	14-Od-23	14-Od-23					-		
SG-T4-C	Sign Face - Material Testing - FADS-T4	36	25-Sep-23	08-Nov-23	14-0ct-23	25-Nov-23	15	1					
SG-T4-D	Sign Face - Fabrication - FADS-T4	52	15-Jan-24	21-Mar-24	27-Nov-23	29-Jan-24	-39	1					
Current Mice			_							Project ID: KTE-WP44_M53		Date 254Mar-23 Submit CSD Progra	Revision Checked amme Rev 39with M47 Mon TYY 1
Adual Work	aning Work Central Ko	owloo							e) (Rev44- CSD)	Baseline: Layout: KTE - 3 Months Rolling	Programme	25-Jun-23 Submit CSD Progra	amme Rav 39with M45/49 TYY I amme Rav 40with M50 Mon TYY I
- Remaining V			Thr	ree Mon	th Rolli	ing Prog	Iram	me		Filter: TASK filters: 3 Months Rolling		25-Aug-23 Submit CSD Progra	amme Rev 43wth MS2 Mon TYY I amme Rev 44wth MS3 Mon TYY I

Road S004																					17 14	
	36	25-Sep-23	08-Nov-23	22-Dep 23	05-6eb-24	73	27	03 10 1	24	01	08	15 22	29 05	12	19	26	10 10	1/	24	31	и <u>с</u> н	_
PD4_COD4_Dead and delease under (1988) (2000 doi:10.101																						
BIM - S004 - Road and drainage works / Utilities / TCSS duct laying (Footbridge and subway section)		25-Sep-23	08-Nov-23	22-Dec-23	05-Feb-24	73																
d Kai Cheung Road S009 (Uphill Ramp)	63	25-Sep-23	09-Dec-23	09-Aug-23	24-0a-23	-40																
5009 - Road and drainage works / Utilities Laying	42	25-Sep-23	15-Nov-23	09-Aug-23	26-Sep-23	-40			_													
5009 - Road Pavement	12	16-Nov-23	29-Nov-23	27-Sep-23	12-Od-23	-40										-						
S009 - Road Marking / Road fumiture	9	30-Nov-23	09-Dec-23	13-0d-23	24-Oct-23	-40										÷	-					
d Kai Cheung Road S010 (Downhill Ramp)	42	16-0d-23	05-Dec-23	21-Dec-23	17-Feb-24	56																
5010 - Reinstate Kai Cheung Road 5010 Downhill Ramp	42	16-0d-23	05-Dec-23	21-Dec-23	17-Feb-24	56																
d Kai Cheung Road S010 (Uphill Ramp / Southbound)	144	25-Sep-23	23-Mar-24	17-Jun-23	12-Jan-24	-55																
	48	25-Sep-23	22-Nov-23	17-lup-23	14-Aug-23																	
												1										
(WKR - KITEC)																		1				
(PMI-611)																						1
5010 - Sign Gantry G73 Footing (1 no in Central Median)	48	23-Nov-23	20-3an-24	15-Aug-23	11-Od-23	-83									-			+				-
S010 - Sign Gantry G72 Footing (1 no in Central Median)	48	22-Jan-24	23-Mar-24	12-Od-23	07-Dec-23	-83																
d Kai Fuk Road Eastbound S019/S020	40	24-Nov-23	12-Jan-24	14-Sep-23	19-Oct-24	224																
S019/S020 - Reconstruct Kai Fuk Road (EB) / Road and Drainage works /	28	24-Nov-23	28-Dec-23	14-Sep-23	18-Oct-23	-58									i 🖕		_		_			
Utilities Laying 5019/5020 - Road Marking / Road fumiture	12	29-Dec-23	12-Jan-24	05-Od-24	19-Od-24	224													-		_	
d Kai Cheung Road U-turn	36	25-Sep-23	08-Nov-23	15-Jul-23	18-Oct-25	570																
		1 C																				
U-tum) (8)			08-Nov-23																			
d MCEB/MCWB (East - except Part 4A/4C)	332	26-Jan-23 A	13-Apr-24	28-Jul-23	05-Feb-24	-49																
BIM - MCEB(E) - Site formation / Drainage Works / Utilities / TCSS duct Laying	146	11-0d-23	13-Apr-24	12-Aug-23	05-Feb-24	-49					-										_	-
MCEB(E) - Sign Gantry G36 Footing (2 in total)	14	21-Dec-23	09-Jan-24	22-Dec-23	10-Jan-24	1												-	ter en el construction En el construction de la construction			
ad MCWB	294	26-Jan-23 A	24-Feb-24	28-Jul-2.3	26-Jan-24	-19																
BEM - MCWB(E) - Site formation / Drainage Works / Utilities Laying (Part 1-	145	26-Jan-23 A	25-Sep-23	28-Jul-23	28-Jul-23	-49			-													
5+350 to 5+550) BEM - MCWB(E) - Site formation / Drainage Works / Utilities Laying (Part 2-	120	25-Sep-23	24-Feb-24	29-Jul-23	19-Dec-23	-49												-				_
5+550 to 5+870)						1																_
						747																
						747																
						760					_											
					25-Oct-23	12					-											
BIM - MCEB(E) - Drainage Works / TCSS duct	43	11-0d-23	30-Nov-23	21-Nov-23	12-Jan-24	34																
MCEB(E) - Road formation Pavement (Sub-base, Road Base and Base Course)	15	01-Dec-23	18-Dec-23	16-Jul-26	01-Aug-26	779										-	-	-				
MCEB(E) - Sign Gantry G42 Footing x2	14	01-Dec-23	16-Dec-23	13-Jan-24	29-Jan-24	34																
MCEB(E) - Road Pavement (Wearing Course and Fridion Course)	5	19-Dec-23	23-Dec-23	03-Aug-26	07-Aug-26	779													6			
BIM - MCEB(E) - Erect Sign Gantry G42	6	i 12-Jan-24	18-Jan-24	30-Jan-24	05-Feb-24	15																1
	12	19-Jan-24		08-Aug-26	21-Aug-26	760																
		to our of	5110001	3010920																		_
stone										-	Dealant ID 19						Date					Che
Central Ko	owlo	on Rout	te - Kai	Tak Eas	t (Mont	h 53	Upd	ate) (Rev44- C	SD)			r ⊑+999944_M53	,				25-Mar-23 25-May/23	Submit CS	SD Programm	e Rev 39wth	4649 1	AY YY
aining Work								, (,	L	ayout: KTE						25-Jun-23	Submit CS	SD Programm	e Rev 40with	450 Mon 1	ΥY
ARCIK						,				F	ilter: TASK	filters: 3 Month	s Rolling_1, I	(TÉ - Subm	ission.		25 Sep 23					
	S009 - Road Nammerk S009 - Road Marking / Road Lumbure ISE Cheang Road S010 (Downhill Ramp) S010 - Reside Kal Charm Read S010 Downhill Ramp ISE Cheang Road S010 (Downhill Ramp) S010 - Reside Kal Charm Read S010 Downhill Ramp S011 - Sign Garby G73 Roding (1 no In Kostpath) S011 - Sign Garby G73 Roding (1 no In Kostpath) S011 - Sign Garby G73 Roding (1 no In Cartral Markin) S011 - Sign Garby G73 Roding (1 no In Cartral Markin) S011 - Sign Garby G73 Roding (1 no In Cartral Markin) S011 - Sign Garby G73 Roding (1 no In Cartral Markin) S011 - Sign Garby G73 Roding (1 no In Cartral Markin) S011 - Sign Garby G73 Roding (1 no In Cartral Markin) S011 - Sign Garby G73 Roding (1 no In Cartral Markin) S011 - Sign Garby G73 Roding (1 no In Cartral Markin) S011 - Sign Garby G73 Roding (1 no In Cartral Markin) S011 - Sign Garby G73 Roding (1 no In Cartral Markin) S011 - Sign Garby G73 Roding (1 no In Cartral Markin) S011 - Sign Garby G73 Roding (2 no Cartry G74 Roding Cort Sign Garby G74 Cartral Marking / Road U-Lum (Ridge S1/S9) S014 - Resintate Kid Chearup Road U-Lum (Ridge S1/S9) S014 - Resintate Kid Chearup Road U-Lum (Ridge S1/S9) S014 - Resintate Kid Chearup Road U-Lum (Ridge S1/S9) MC	S009 - Road Pasement. 12 S009 - Road Making / Road fumbure 9 S010 - Sign Garby G72 Focking (1 no in footpath) 94 Mail Cheang Road S010 (Uplik) Ramp / Southbound footpath 94 Mile I. Cold TCSC due blying along Kal Channg Road Southbound footpath 94 Mile I. Cold TCSC due blying along Kal Channg Road Southbound footpath 94 S010 - Sign Garby G72 Footing (1 no in Carteal Median) 94 S010 - Sign Garby G72 Footing (1 no in Carteal Median) 94 S010 - Sign Garby G72 Footing (1 no in Carteal Median) 94 S010 - Sign Garby G72 Footing (1 no in Carteal Median) 94 S011 - Sign Garby G72 Footing (1 no in Carteal Median) 94 S011 - Sign Garby G72 Footing (1 no in Carteal Median) 91 S011 - Sign Garby G72 Footing (1 no in Carteal Median) 91 S011 - Sign Garby G72 Footing (1 no in Carteal Median) 91 S011 - Sign Garby G72 Footing (1 no in Cartea	S009 - Hoad Pavement. 12 16 40w-23 S009 - Road Maxing / Road fumbure 9 304ow-33 S010 - Road Maxing / Road fumbure 9 304ow-33 S010 - Road Maxing / Road fumbure 9 16 4023 S010 - Roadsate Ka Charng Road S010 (Downhill Romp) 42 16 4023 S010 - Sign Gardy G73 Fooding (1 no in foodpath) 46 25 56p-23 MUH - K024 - TCSS due bying along Ka Charng Road South-Bound foodpath 0 18 40w-23 S010 - Sign Gardy G73 Fooding (1 no in Canted Median) 46 23 40w-23 S010 - Sign Gardy G72 Fooding (1 no in Canted Median) 46 23 40w-23 S010 - Sign Gardy G72 Fooding (1 no in Canted Median) 46 24 40w-23 S010 - Sign Gardy G72 Fooding (1 no in Canted Median) 46 24 40w-23 S010 - Sign Gardy G72 Fooding (1 no in Canted Median) 46 24 40w-23 S010 - Sign Gardy G72 Fooding (1 no in Canted Median) 46 24 40w-23 S010 - Sign Gardy G72 Fooding (1 no in Canted Median) 48 24 40w-23 S010 - Sign Gardy G72 Fooding (1 no in Canted Median) 48 14 504c-23 S010 - Sign Gardy G72 Fooding (1 no in Canted Median)	S009 - Road Parement. 12 16 How-23 29 How-23 S009 - Road Marking / Road fumbure 9 30 How-23 69 - Decc33 S010 - Road Marking / Road fumbure 9 30 How-23 69 - Decc33 S010 - Road Marking / Road fumbure 42 16 - Decc33 55 - Decc33 S010 - Roadsate Ka Charung Road S010 (Downhill Romp) 44 25 - Sep -23 22 - New -23 S010 - Sign Gardry G73 Fooding (1 no in houbarth) 44 25 - Sep -23 22 - New -23 Mile - NCM - TCSS Acta bring dang Ka Charung Road Southbound houpath 46 23 - New -23 30 - San - New -23	S009 - Road Parement. 12 16-Yebv2 29-Yebv2 27-Spp23 S009 - Road Marking / Road fumbure 0.4 30-Avo-20 09-Occ23 13-Oct23 S010 - Road Marking / Road fumbure 0.4 16-Oct23 05-Occ23 21-Occ23 S010 - Reside K & Charup Read S010 (Downhill Ramp) 44 16-Oct23 05-Occ23 21-Occ23 S010 - Sign Garby G73 Footing (1 no in hoobarth) 0.4 25-Sep-23 22-Avo-23 17-3u-73 Mith - K041 - TCS5 Act bring dang K (Charup Read Southbound footpath (MR- Artics) 0.1 44 25-Sep-23 22-Avo-23 15-Aug-23 S010 - Sign Garby G72 Footing (1 no in Carteal Median) 44 20-Avo-23 15-Aug-23 15-Aug-23 S010 - Sign Garby G72 Footing (1 no in Carteal Median) 44 22-Avo-23 23-Avo-24 14-Sep-23 S010 Sign Garby G72 Footing (1 no in Carteal Median) 44 24-Avo-23 28-Avo-23 14-Sep-23 S010 Sign Garby G72 Footing (1 no in Carteal Median) 46 24-Avo-23 28-Avo-23 14-Sep-23 S010 Sign Garby G72 Footing (1 no in Carteal Median) 48 24-Avo-23 28-Avo-23	S009 - Road Parement Int Int<	State 12 1646v-23 2946v-23 27.55p-23 12.05.23 440 State 16002 13.05.23 24.05.23 440 State 16002 10.05.23 21.05.23 17.65.24 450 State 16.05.23 05.05.23 21.05.23 17.65.24 450 State 16.05.23 05.05.23 21.05.23 17.45.24 450 State 16.05.23 05.05.23 21.05.23 17.45.24 450 State 15.05.25.01.05.000 Marging Read State 10.44.23 15.06.22 17.06.23 21.04.23 12.04.24 450 State 17.55.01.05.000 Marging Read State 12.04.24 12.04.2	Stop - Ruad Pavement. 112 16 Hev-23 27 Hey-23 12 OL23 40 Stop - Ruad Making / Ruad fumithe 149 30 Hov-23 69 Oce23 13 OL32 24 OL33 40 Stop - Ruad Making / Ruad fumithe 140 16 Oce23 65 Oce23 21 Oce23 17 Heb/4 16 Stol - Reimate Ka Champ Ruad Stol Downhill Ramp 142 16 Oce23 65 Oce23 21 Oce23 17 Heb/4 16 Stol - Spin Garley G73 Foodrag (1 to in fundpath) 140 25 Gep23 23 Hev-23 13 Oce33 24 Hev23 13 Oce33 24 Hev23 12 Am-24 14 Hug-23 12 Oce33 24 Hev23 13 Oce33 24 Hev23 12 Oce33 24 Hev23 13 Oce33 24 Hev23 13 Oce33 24 Hev23 12 Oce33 14 Oce33 24 Hev23 13 Oce33 24 Hev23 13 Oce33 24 Hev23 10 Oce33 24 Oce33 14 Oce33	000-Road Parament 112 1940v-32 2940v-22 1940v32 2940v-23 1400 Stora-Road Neeling / Noad Nee	020 - Road Patement 121 849w-21 276w-21 1203.2 40 020 - Pood Pateing Road Staff Cloven Rades 04 160203 60xe22 120xe31 14042 020 - Send Fading Road Staff Cloven Rades 04 160203 60xe22 120xe31 1744e3 164 020 - Send Kad Staff Cloven Rades 04 160203 06xe22 120xe31 1744e3 164 020 - Send Kad Staff Cloven Rades 04 160203 160xe21 120xe31 144e3 164 020 - Send Kad Staff Cloven Rades Staff Cloven Rades Staff Cloven Rades 04 169xe31 164ke32 164ke31 164ke33 020 - Send Kad Staff Cloven Rades Staff Cloven Rades Staff Cloven Rades 04 169xe31 164ke32 164ke31 164ke31 164ke33 164ke32 164ke33 164	2007-Rund Husener 12 MeV-20 27 69-21 12 0.02.3 40 2007-Rund Husen / Husen Kamin 4 MeV-20 60-2002 12 0-02.3 40 XD1-Resease Rund Musen / Husen Kamin 4 MeV-20 60-2002 12 0-02.3 40 XD1-Resease Rund Musen / Husen Kamin 4 MeV-20 22 40-02.3 17 40-2.3 45 XD1-Resease Rund Musen / Husen Kamin 4 15 60-22 22 40-02.3 17 30-2.2 14 40.25 YD1-Sepase Rund Musen / Husen Kamin 4 15 60-22 22 40-02.3 17 30-2.2 14 40.25 YD1-Sepa Rund YD2 Profing (1 no no comm Husen) 44 12 40-22 20 30-24 15 40-22 10 -0.23 40 YD1-Sepa Rund YD2 Profing (1 no no comm Husen) 44 12 30-24 12 30-24 14 40-23 10 -0.23 50 YD1-Sepa Rund YD2 Profing (1 no no comm Husen) 40 12 30-24 12 30-24 14 40-23 10 -0.23 50 50 YD1-Sepa Rund YD2 Husen Rund Hum In Husen (Husen Khusen (Husen Khusen YD1) 40 12 30-24 12 40-22 12 40-22 12 40-22 12 40-22 12 40-22 12 40-22 12 40-22 1	Stop - Road Reserved 12 16 How - 2 276-20 12.02.2 4-00 Stop - Road Reserved 9 564-0-2 12.02.2 4-02 4-02.2 Stop - Road Reserved 9 564-0-2 12.02.2 14.02	90 - Road Roamset 10 14 March 2 Stav2 12 Sta2 14 Sta 40 90 - Road State Matter / Load Matter 0 9 March 10 Concept 10 Sta2 17 Sta2	907 - Nucl Avannet 11 14.04-73 294-72 12.04.2 40 900 - Nucl Avannet 0 8.490-73 160-23	Sp2 - Rud Avannet 12 19/10-2 29/10-2 10.002 400 Sp2 - Rud Avannet 6 30/10-2 60/00 10.002 40/00 40/00 Sp2 - Rud Avannet 6 30/10-2 60/00 10/002 40/00 40/00 Sp2 - Rud Avannet 40 10/02 60/02 10/02 10/02 10/02 40/00 Sp2 - Rud Avannet 40 20/02 10/02 10/02 10/02 40/00 Sp2 - Rud Avannet 40 20/02 10/02 10/02 10/02 40/00 Sp2 - Rud Avannet 40 20/02 10/02 10/02 10/02 10/02 10/02 10/02 Sp2 - Rud Avannet Rud Subdavis Avannet Rud Av	90 mod havemit 10 14 mode 29 mode 10 mode 29 mode 10 mode 29 mode 10 mode 20 mode 10 mode 20 mode 10 mode 20 mode 10 mode	90 - Huad Hammit 10 Market 29 Mark 29 Mark 10 Mark 10 10 Mark 10 10 Mark 10	Bit - handhamet I Index Bitword Bitword	97 - Bud Parent 1 97 - 20	Non-Neurity in the length of the first	model	Name 10 10-0 10-0

ity ID	Activity Name	Orig Dur	Stat	Fitish	Late Start	Late Finish	Total Fical		53		Uctober 54	November 55	56	January 57
At-grade Ro	ad MCWB	107	11-0d-23	23-Feb-24	26-0±-23	15-Aug-26	742	2	03 10 17 24	4 01	08 15 22 29	05 12 19 26	03 10 17	24 31 07 14
5A-5610	MCWB(E) - Drainage Works (Part 4B3) / / Utilities Laying	20	11-Od-23	13-Nov-23	19-Jun-26	21-Jul-26	799							
5A-5608	BIM - MCWB(E) - Drainage Works / Utilities / TCSS duct Laying		11-0d-23	22-Jan-24	26-0d-23	05-Feb-24	12							
54-5612	MCWB(E) - Road formation Pavement (Sub-base, Road Base and Base Course)	22	23-Jan-24	23-Feb-24	22-Jul-26	15-Aug-26	742							
At-grade Roa	d MCEB/MCWB (Part 1B3)	42	25-Sep-23	15-Nov-23	04-Jan-24	12-Sep-24	242							
5A-5640	MCEB/MCWB(1B3) - Drainage Works / / Utilities Laying / TCSS duct Laying	28	25-Sep-23	30-Oct-23	04-Jan-24	05-Feb-24	81		-					
5A-5642	MCEB/MCWB(1B3) - Road Pavement	14	31-Oct-23	15-Nov-23	28-Aug-24	12-Sep-24	242							
Shing Kai Roa	d	108	19-Jan-24	06-Jun-24	26-Sep-23	05-Feb-24	-93							
5A-5697	BEM - 5A - Shing Kai Road cross-road ducting works (TTA required) (for GDS2	108	19-Jan-24	06-Jun-24	26-Sep-23	05-Feb-24	-93							_
Shing Kai Roa	to GDS5) d - Additional Civil Provision for TCSS (PMI-XXX)	128	27-Jun-23 A	27-Jan-24	11-Jul-23	04-Sep-26	776							
10-8648	SKR -Application for additional TTA schemes (RA)	28	27-Jun-23 A	22-bil-23.4	04-Sep-26	04-5ep-26								
10-8654	SKR - stage 1 (EB footpath) - Civil Provision; TCSS ducting		24-Jul-23 A	01-Nov-23	11-Jul-23	14-Aug-23	-65							
10-8656	SKR - stage 2 (WB footpath)- Civil Provision ; TCSS duding		02-Nov-23	27-Jan-24	15-Aug-23		-65							
10-8660	SKR - stage 2 (Central Divider)- Gvil Provision ; TCSS ducting	48	02-Nov-23	29-Dec-23	12-Sep-23	09-Nov-23	-41							
Kai Fuk Road	(West Bound)	142	15-Jun-23 A	02-Feb-24	29-Jul-23	23-Nov-23	-58							
5A-5810A	Application of Excavation Permit for FADS T4(A)	180	15-Jun-23 A	15-Dec-23	29-Jul-23	18-Oct-23	-58			_				
5A-5810	5A - Implement TTA scheme for Sign Face Support for FADS T4(A)	0	29-Dec-23		19-Oct-23		-58							•
5A-5812	5A - Site dearance / trial pit	12	29-Dec-23	12-Jan-24	19-Oct-23	02-Nov-23	-58							
5A-5814	5A - ELS for Footing	18	13-Jan-24	02-Feb-24	03-Nov-23	23-Nov-23	-58							
	(WB) - TCSS duct Laying	74	29-Dec-23	26-Jan-24	21-Oct-23	18-Nov-23	-56							
5A-5830			29-Dec-23	LUGATET	21-Od-23	1010725	-56							_
	BEM - 5A - Implement TTA scheme for TCSS duct Laying along Fuel Station Slip Road													
5A-5832	BEM - 5A - TCSS duit laying along Footpath		29-Dec-23	26-Jan-24	21-Oct-23	18-Nov-23	-56							
Kai Fuk Road	(EB) - Maintain 3 traffic lanes until CKR commissioning (PMI 253	272	16-Feb-23 A	24-Jan-24	21-Aug-23	04-Sep-26	779							
TTA 4.1 EB 5	Set Back (with on-street bus stop)	11	26-Jun-23 A	08-Jul-23 A										
C1010	Apply Traffic Notice (for E/B Setback)	4	26-Jun-23 A	29-Jun-23 A										
TTA1010	TTA Implementation for KFR Stage 4.1A EB Set Back	0	08-Jul-23 A											
C1010A	TTA requirment (with dosure of KT tunnel east tube) and CNP constraint	0	08-Jul-23 A											
KER- Additio	onal works in Area 2 (next to KITEC)	263	16-Feb-23 A	13-Jan-24	19-Feb-24	04-Sep-26	788							
			16-Feb-23 A	13-Jan-24	19-Feb-24	11-Jun-24	115							
	wal (TTA sub-stage)													
A1170	TPRP Approval		16-Feb-23 A		19-Feb-24	19-Feb-24	115							
A1180	Tree Removal Works (4 nos) (all night work)		25-Sep-23	10-0ct-23	20-Feb-24	04-Mar-24	115				-			
A1181	Road works for TTA implementation (partially night work)	78	11-0d-23	13-Jan-24	05-Mar-24	11-Jun-24	115							
TTA1040	TTA Implementation for KFR EB Set Back after Tree Removal	0		13-Jan-24		11-Jun-24	115							•
Utility Dive	rsion	15	25-May-23 A	25-Sep-23	21-Aug-26	21-Aug-26	866							
A1160	Temporary Protection of Existing Cables at Planter Area	15	25-May-23 A	25-Sep-23	21-Aug-26	21-Aug-26	866							
Final Comp	vietion Work	11	25-Sep-23	09-Oct-23	22-Aug-26	04-Sep-26	867							
A1130	Kerb Construction		25-Sep-23	27-Sep-23	27-Aug-26	29-Aug-26	870			1				
			_0 00p 20				0.0							
Gurrent Mik	nifore .									-			Date	Revision Ched
Adual Work		owlor	n Rout	e - Kai	Tak Eas	st (Mont	h 53	Und	ate) (Rev44- CSD)		Project ID: KTE-WP44_M53 Baseline:		25 May 23 Submit C	SD Programme Rev 39wth M47 Mon TYY SD Programme Rev 39wth M4549 TYY
Critical Rem	aining Work					ing Prog			, (ayout: KTE - 3 Months Rolling Pro		25-Jun-23 Submit C	SD Programme Rev 40with M60 Mon TYY SD Programme Rev 43with M52 Mon TYY
Remaining	V#O#K										Filter: TASK filters: 3 Months Rollin	g_1, KTE - Submission.	25-Sep 23 Submit C	SD Programme Rev 44with M53 Mon TYY

D	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical		Septemo 53	er			54		-	NC	55			540	6	_	-	JI	nuary 57
A1120A	Prepare formation after heavy rain (in sunny day)	7	25-Sep-23	04-Oct-23	22-Aug-26	29-Aug-26	866	2	7 03 10	17	24	01 08	15	22	29	05	12 1	9 26	03	10	17	24	31	07	14
A1140	Bituminous Pavement (cluration for test result is exculded)	3	05-0d-23	07-Oct-23	31-Aug-26	02-Sep-26	866																		
A1370	Set-up for TTA	2		09-Oct-23	03-Sep-26	04-Sep-26	1061																		
				24-Jan-24		16-Dec-23	-30																		
	litional works in Area 3 (next to Sinopec)		17-Aug-23 A		21-Aug-23																				
A1020A	Sign Gantry G31 Footing - uncharted DSD box culvert and investigation (Risk ID:255)		17-Aug-23 A		21-Aug-23	16-Sep-23	-30																		
A1020	Sign Gantry G31 Footing		26-0d-23	06-Nov-23	18-Sep-23	28-Sep-23	-30																		
A1030	Permanant Bus Station Footing	30	07-Nov-23	11-Dec-23	29-Sep-23	06-Nov-23	-30													-					
A1040	Permanant Bus Station Erection	30	12-Dec-23	18-Jan-24	07-Nov-23	11-Dec-23	-30																		_
A1210	Footpath Reinstatement	5	12-Dec-23	16-Dec-23	30-Nov-23	05-Dec-23	-10													-	•				
A1060	Drainage Works	5	12-Dec-23	16-Dec-23	18-Nov-23	23-Nov-23	-20																		
A1200	Beam Barrier Construction	5	18-Dec-23	22-Dec-23	06-Dec-23	11-Dec-23	-10																		
A1070	Kerb Constuction	5	18-Dec-23	22-Deo-23	24-Nov-23	29-Nov-23	-20																		
A1050	Pavement Reinstatement	10	23-Dec-23	06-3an-24	30-Nov-23	11-Dec-23	-20																_		
A1240	Roadworks and Set-up for TTA	5	19-3an-24	24-Jan-24	12-Dec-23	16-Dec-23	-30																		
TTA1020	TTA Implementation for stage 4.1 EB Set Back (remaining E1-E4 along KFR	0		24-Jan-24		16-Dec-23	-30																		
	and G31) ad - Additional sign gantry FADS-T4 (PMI-338)	113	08-Aug-23 A		07-Jun-23	04-Sep-26	765																		
	ting in T2 planter area		08-Aug-23 A		07-10-23		702																		
							763																		
10-8619	T4 (South) - Burst existing fresh watermain pipe and rewpair by WSD		-	29-Aug-23 A		01-Sep-26																			
10-8620	T4 (South) - Sheetpile installation 1st stage (before Watermain diversion)			21-Aug-23 A	28-Jun-23	28-Jun-23																			
10-8619A	T4 (South) - Emergency remedial works due to road settlement along KFR	7	22-Aug-23 A	28-Aug-23 A	04-Sep-26	04-Sep-26																			
10-8619C	T4 (South) 4VSD inspection and exc trench for watermain diversion along KFR	35	22-Aug-23 A	03-Oct-23	07-Jun-23	13-Jun-23	-92																		
10-86198	T4 (South) - Additional Grouting works due to settlement along KFR	7	29-Aug-23 A	05-Sep-23 A	04-Sep-26	04-Sep-26		-																	
10-8619D	T4 (South) -watermain diversion by WSD	7	04-Od-23	11-Od-23	14-Jun-23	21-Jun-23	-92					—													
10-9620A	T4 (South) - Sheetpile installation 2nd stage (after Watermain diversion)	4	12-0d-23	16-0d-23	23-Jun-23	27-Jun-23	-92						—							1	1				
10-8622	T4 (South) - ELS and excavation	18	17-Oct-23	07-Nov-23	28-Jun-23	19-Jul-23	-92									-									
10-8624	T4 (South) - South Footing construction	36	08-Nov-23	19-Dec-23	20-Jul-23	30-Aug-23	-92										_				-				
10-8626	T4 (South) - backfilling and ELS removal	6	20-Dec-23	28-Dec-23	31-Aug-23	06-Sep-23	-92															-			
10-8628	T4 (South) - reinstatament of T2 planter area	18	29-Dec-23	19-Jan-24	15-Aug-26	04-Sep-26	783																		
North Fool	ting in KFR Central Divider (Night Work)	36	29-Dec-23	09-5eb-2 <u>4</u>	07-Sep-23	20-0:t-23	-92		-																
10-8632	T4 (North) - Trial pit	6	29-Dec-23	05-3an-24	07-Sap-23	13-5ep-23	-92																_		
10-8634	T4 (North) - Sheetpile installation	30		09-Feb-24	14-Sep-23	20-Oct-23	-92																		
		30					-92																		
	vorks (excl. at-grade road and bridges)			11-May-24	23-Apr-24	09-Aug-24																			
5A-6000	5A - Drainage works at loop road	90		11-May-24	23-Apr-24	09-Aug-24	74																		
SCH_6B Re-	construction of Existing Box Culvert	30	25-Sep-23	01-Nov-23	06-Jun-23	12-Jul-23	-93																		
Box Culvert	t re-construction Works	30	25-Sep-23	01-Nov-23	06-Jun-23	12-Jul-23	-93																		
BC- Reinstz	atement Works	30	25-Sep-23	01-Nov-23	06-Jun-23	12-Jul-23	-93																		
68-5782	BC - Reinstate hard paving and related UU	12	25-Sep-23	10-Oct-23	06-Jun-23	19-Jun-23	-93					-													
6B-5784	BC - Reinstate planter wall in DSD compound	12	11-Oct-23	25-Oct-23	20-Jun-23	05-Jul-23	-93							-											
Current													ct ID: KTE-\	NP44_M5:	3					Date Mar-23	Submit Ca	SD Program	Revision Inne Rev 394	vth M47 Mo	Che L. TYY
Actual V	Nork Central Ke	owloo							late) (Rev44-	CSE	D)	Base	ine: Jt: KTE - 3 M	Months P-	lion Pre-	ramoo				May23 Jun-23	Submit C3	SD Program	nne Rev 39 nne Rev 40	vth M45/49	. TYY
Remain			Th	ree Mon	th Rolli	ng Prog	gram	ne					TASK filter				ubmission	1.	25-	Aug 23	Submit CS	SD Program	nme Rev 434	vth M52 Mo	L. 11Y
															.9-				25	Sep 23	Submit Cl	S&J Program	me Rev 44	vith M53 Mo	 TYY

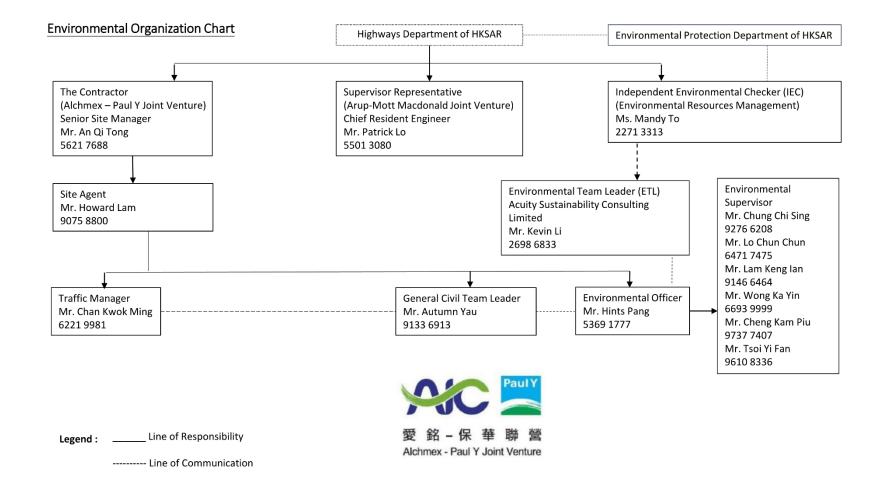
ivity ID	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Tota Fica	September 53	October November 54 55	December 56	January 57
68-5786	BC - Transplant 5 nos of tree in DSD compound	3	11-0d-23	13-Oct-23	03-Jul-23	05-Jul-23	-84	27 03 10 17 24	01 08 15 22 29 05 12 19 26	03 10 17 24 31 07	14 21
6B-5788	BC - Reinstate fending in DSD compound	6	26-Od-23	01-Nov-23	06-Jul-23	12-Jul-23	-93				
68-5790	BC - Complete reconstruction of Box Culvert	0		01-Nov-23		12-Jul-23	-93		•		
Section 5 - Sli	ip Road S5 Works (Subject to Excision)	157	25-Sep-23	12-Apr-24	27-Apr-23	18-Dec-23	-87				
	rainage and Road Works	157	25-Sep-23	12-Apr-24	27-Apr-23	18-Dec-23	-87				
S5 Part 4B1 (M	- Major portion)	102	25-Sep-23	27-Jan-24	18-Aug-23	18-Dec-23	-32				
5B-6307	55 - Part 4B1 (Major)- Drainage Works / / Utilities Laying / TCSS duding /	90	25-Sep-23	13-Jan-24	18-Aug-23	04-Dec-23	-32				_
58-6309	Watermain S5 - Part 4B1 (Major)- Site formation / Road kerb / Road Barriers / Road	20	05-Jan-24	27-Jan-24	25-Nov-23	18-Dec-23	-32				
S5 Part 4B1 (N	Lighting Minor portion)	157	25-Sep-23	12-Apr-24	27-Apr-23	03-Nov-23	-125				
5B-6401	55 - Access Date for Part 4B1 (Minor) - Late Possession - tentative 30/6/2023		25-Sep-23*		27-Apr-23		-151	ļ			
5 B- 6403	S5 - Part 481 (Minor) - Initial Survey	18	26-Sep-23	18-0d-23	28-Apr-23	19-May-23	-125				
58-6405	S5 - Part 4B1 (Minor) - Mobilisation works	18	19-Oct-23	09-Nov-23	20-May-23	10-Jun-23	-125				
5B-6407	S5 - Part 4B1 (Minor) - Drainage Works / / Utilities Laying / TCSS ducting /		10-Nov-23	12-Apr-24	12-Jun-23	03-Nov-23	-125				
	Watemain adoption of acceleration measure -PMI-XXX)		02-Jan-24	03-Apr-24	12-Sep-23	06-Dec-23	-90				
58-6501	S5 - Access Date for Part 4B2 - Late Possession - tentative 2/1/2024		02-Jan-24*		12-Sep-23		-112			_	
58-6503	S5 - Pacted Least of Part Hz2 - Late Postability - Calcology 2/1/2024	3	03-Jan-24	05-Jan-24	13-Sep-23	15-Sep-23	-90	· · · · · · · · · · · · · · · · · · ·			
58-6505	SS - Part 482 - Mobilisation works	3	06-Jan-24	09-Jan-24		19-5ep-23	-90				
58-6505					16-Sep-23		-90				
	S5 - Part 182 - Drainage Works / / Utilities Laying / TCSS duding / Watermain	64	10-Jan-24	03-Apr-24	20-5ep-23	06-Dec-23	-90			-	
	cape Route for Slip Road S6 Works (Subject to Exc	102	25-5ep-23	27-Jan-24		21-Nov-23	-55				
	rainage and Road Works		25-Sep-23	27-Jan-24	22-Jul-23	21-Nov-23					
5C-6304	56 - Initial Survey		25-Sep-23	03-Od-23	30-Aug-23	05-Sep-23	-22		-		
5C-6309	S6 - Drainage Works / Utilities Laying / TCSS duct laying (Part 483)		25-Sep-23	13-Jan-24	22-Jul-23	07-Nov-23	-55				-
5C-6306	56 - Mobilisation works		04-0d-23	06-Od-23	06-Sep-23	08-5ep-23	-22				
5C-6308	S6 - Drainage Works / Utilities Laying / TCSS ducting	48	07-0d-23	02-Dee-23	09-Sep-23	07-Nov-23	-22				
50-6310	S6 - Site formation / Road kerb / Road Lighting	12	15-Jan-24	27-Jan-24	08-Nov-23	21-Nov-23	-55				
	entilation and E&M adit and Ring Road Underpass										
Sch_6A Ventila	ition and E&M Adit Works	200	15-Aug-23 A	04-Mar-24	05-Jul-23	02-Dec-23	-70				
Area Part 1C		200	15-Aug-23 A	04-Mar-24	05-Jul-23	02-Dec-23	-70				
VA - ELS Work	(S (Parts 1C)	108	15-Aug-23 A	07-Nov-23	05-Jul-23	14-Aug-23	-70				
6A-6637	VA - Excavation Down to 5th waling & Strut; Install waling & Strut; 1C	13	15-Aug-23 A	14-Oct-23	05-Jul-23	22-Jul-23	-70				
6A-6638	VA - Excavation Down to 6th waling & Strut; Install waling & Strut; IC	15	16-0d-23	02-Nov-23	24-Jul-23	09-Aug-23	-70				
6A-6640	VA - Excavation Down to Final Formation Level, 1C	4	03-Nov-23	07-Nov-23	10-Aug-23	14-Aug-23	-70				
VA - Pile Cap F	PC1	26	08-Nov-23	07-Dec-23	15-Aug-23	13-Sep-23	-70				
6A-6642	VA - Prepare Pile Head for PCI	12	08-Nov-23	21-Nov-23	15-Aug-23	28-Aug-23	-70				
6A-6644	VA - Construct Pile Cap PC1	14	22-Nov-23	07-Dec-23	29-Aug-23	13-Sep-23	-70			-	
VA - RC Struct	tures	66	08-Dec-23	04-Mar-24	14-5ep-23	02-Dec-23	-70				
VA Sections -	Bay B1 (~15m)		08-Dec-23	04-Mar-24	14-Sep-23	02-Dec-23					
6A-6646	VA-B1 - Construct Base Slab	18	08-Dec-23	30-Deo23	14-Sep-23	06-Oct-23	-70				
Current Miles	stone								Project ID: KTE-IWP44_M53	Date Revision 25-Mar23 Submt CSD Programme Rev 39wth M4	Checked Ap
Adual Work	aining Work	oolwo				st (Mont ing Prog		Jpdate) (Rev44- CSD) ne	Baseline: Layout: KTE - 3 Months Rolling Programme Filter: TASK filters: 3 Months Rolling_1, KTE - Submission. Page 17 of 20	25 May 23 Submit CSD Programme Rev 3 with Ma 25 May 23 Submit CSD Programme Rev 40with MB 25 Aug 23 Submit CSD Programme Rev 40with MS 25 Sep 23 Submit CSD Programme Rev 44 with MS	849 TYY DC 0 Mon TYY DC 2 Mon TYY DC

D	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical	September 53	October 54	November 55	Decerni 56	57 January
6A-6648	VA-B1 - Construct RC Walls & Middle Slab	48	02-Jan-24	04-Mar-24	07-Od-23	02-Dec-23	-70	27 03 10 17 24	01 08 15 22	29 05 12 19 26	03 10	17 24 31 07 14 21
	Road Underpass		07-Jul-23 A	02-Apr-24	27-Jun-23	04-Sep-26	729					
	1, 1D2, 1D3, 1D4, 1B1 & 1B2		25-Sep-23	06-Nov-23	20-Nov-23	09-Aug-24	221					
RR - ELS Wo			25-Sep-23	28-Sep-23	02-Jul-24	05-Jul-24	221					
RR - ELS Sta			25-Sep-23		02-Jul-24	05-Jul-24	221					
4-6736A	RR - Excavation Down to Formation Level (Baddfilling) (RR),1B3 (Open cut)		25-Sep-23	28-Sep-23	02-Jul-24	05-Jul-24	221					
	ctions, Pump Sump & FS Plant Room		29-5ep-23	06-Nov-23	06-Jul-24	09-Aug-24	221					
4-6796	RR-RU5 - Construct Base slab	18	29-Sep-23	21-Oct-23	06-Jul-24	26-Jul-24	221					
4-6798	RR-RU5 - Construct Side Walls	12	24-Oct-23	06-Nov-23	27-Jul-24	09-Aug-24	221			-		
RR - Miscella	aneous Works	8	25-Sep-23	05-Oct-23	20-Nov-23	28-Nov-23	45					
RR - Stage 5	5 Miscellaneous Works											
4-6804	RR - Final completion works	8	25-Sep-23	05-Oct-23	20-Nov-23	28-Nov-23	45		-			
RR - Part 1C		188	07-Jul-23 A	07-Feb-24	27-Jun-23	04-Sep-26	767					
RR - ELS Wor	rks (Parts 1C)	28	19-Jul-23 A	23-Aug-23 A	27-Jun-23	04-Sep-26						
4-6832A	RR - Rock Replacement (PMI-XXX)	3	19-Jul-23 A	21-Jul-23 A	04-Sep-26	04-Sep-26						
4-6832B	RR - awaiting BEM works at interface for mass concrete removal	28	22-Jul-23 A	23-Aug-23 A	27-Jun-23	27-Jun-23						
RR - RC Strue	cture	148	07-Jul-23 A	19-Dec-23	27-Jun-23	01-Sep-26	807					
RR - Pile Ca	p PC1		07-Jul-23 A	18-Jul-23 A	04-Sep-26	04-Sep-26						
4-6837	RR- Pile Cap PC1- waterproofing and backfil	9	07-Jul-23 A	18-Jul-23 A	04-Sep-26	04-Sep-26						
RR - Bay R1	L+R2 (5011 CH0+118.88 to 0+142)	132	24-Auto-23 A	19-Dec-23	27-lun-23	18-5m-23	-76					
4-6838	RR-R1 & R2 - Construct Base slab	26	24-Aug-23 A	13-Oct-23	27-Jun-23	14-Jul-23	-76					
4-6840	RR-R1& R2 - Construct External Wall		14-0d-23	16-Nov-23	15-Jul-23	16-Aug-23	-76					
4-6842	RRR1& R2- Construct Top Slab		17-Nov-23				-76					_
				19-Dec-23	17-Aug-23	18-Sep-23	-/0					-
	aneous Works		06-Nov-23	07-Feb-24	10-Oct-23							
4-6844	RR - Install Profile Barriers		06-Nov-23	05-Jan-24	10-Od-23	07-Dec-23	-22					
4-6846	RR - Road Lighting and Road Fumilure		15-Dec-23	19-Jan-24	20-Nov-23	21-Dec-23	-22					
4-6850	RR - Movement Joint / Waterproofing	24	20-Dec-23	19-Jan-24	01-Feb-24	06-Mar-24	34					
4-6848	RR - Baddiling up to GL, 1C	28	06-Jan-24	07-Feb-24	21-Jun-24	24-Jul-24	130					
4-6852	RR - Road pavement	12	20-3an-24	02-Feb-24	07-Mar-24	20-Mar-24	34					
RR - E&M Wo	orks	78	20-Dec-23	02-Apr-24	19-Sep-23	21-Dec-23	-76					
RR - Systems	S	78	20-Dec-23	02-Apr-24	19-Sep-23	21-Dec-23	-76					
4-6858	RR - MVAC System	72	20-Dec-23	22-Mar-24	19-5ep-23	14-Dec-23	-76	5				
4-6859	RR - Electrical Works and Electrical Service System	72	20-Dec-23	22-Mar-24	26-Sep-23	21-Dec-23	-70					
4-6860	RR - Fire Services / Water works System	72	29-Dec-23	02-Apr-24	26-Sep-23	21-Dec-23	-76					
ection 9 - V	Norks in Part 3A (Site Accommodation)	1521	30-Od-19 A	28-Dee-23	27-Sep-23	30-Dac-23	Z					
Sch_1 Site Ac	commodation	1521	30-Oct-19 A	28-Dec-23	27-Sep-23	30-Dec-23	2					
1-6904	SA - Site Accommodation (extended 213 working days)	1450	30-Oct-19 A	30-Nov-23	27-Sep-23	02-Dec-23	2					
Current M		()-	D	- Kall	T-1- E	4 (84		(Undete) (Peut4, CCD)	Project ID: KTE-WP44_M53 Baseline:			Revision Cheded Submt CSD Programme Rev Stwith M47 Mon TYY Submt CSD Programme Rev Stwith M4549 TYY
	maing Work Central P	OWIO				ing Prog		Update) (Rev44- CSD) ime	Layout: KTE - 3 Months Rollin Filter: TASK filters: 3 Months F		25-Jun-23 5 25-Aug-23 5	Submit CSD Programme Hav Solution Messels Thy Submit CSD Programme Rav 40vith M50 Mon Thy Submit CSD Programme Rav 43vith M52 Mon Thy Submit CSD Programme Rav 44vith M53 Mon Thy
									Page 18 of 20			

y ID	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total Fical		September 53	October 54	November 55	December 56	January 57
1-6906	SA - Notify to demolish site accommodation at Part 3A (5 wks before	0	01-Dec-23		03-Dec-23		2	2	03 10 17 24 1	01 08 15 22	29 05 12 19 26	03 10 17	24 31 07 14 21
1-6908	Handover) SA - Demolish Site Accommodation & Vacation of Part 3A	28	01-Dec-23	28-Dec-23	03-Dec-23	30-Dec-23	2						-
1-6910	SA - Completion of Section 9	0		28-Dec-23		30-Dec-23	2						•
ection 10 - I	Footbridge, E&M Installation and Miscellaneous Wo	319	24-Od-22 A	23-Nov-23	18-Jul-23	13-Sep-23	-58						
	m Exisiting Subway KS-20	319	24-Od-22 A	23-Nov-23	18-Jul-23	13-Sep-23	-58						
	vision / Filling Works		24-0ct-22 A	23-Nov-23	18-Jul-23	13-Sep-23	-58						
Kai Fuk Road			24-0d-22 A	23-Nov-23	18-Jul-23	13-5ep-23	-58						
					18-Jul-23		-58						
10-8564	5019 - Reconstruct Bus Stop Bay (Permanent) (Kai Fuk Road EB) - buse shetter (PMI-508)		24-Od-22 A	25-Sep-23		18-Jul-23							
7-7320	S019 - Reconstruct Bus Stop Bay (Permanent) (Kai Fuk Road EB) - layby	28		30-Oct-23	19-Jul-23	19-Aug-23	-58						
7-7322	KS20 - Reinstate Footpath / Road pavement		31-Oct-23	23-Nov-23	21-Aug-23	13-5ep-23	-58						
7-7334	KS20 - Complete Abandon of Exisiting Subway	0		23-Nov-23		13-Sep-23	-58				•		
Section 11 - 9	Structure of Bridge CKRE	310	24-Dec-22 A	08-Feb-24	05-Sep-23	18-Oct-25	494						
Sch_3.10 Brid	ge CKRE Works	310	24-Dec-22 A	08-Feb-24	05-Sep-23	18-Oct-25	494						
CKRE - Pile Ca	ips, Pier / Abutment	9	25-Sep-23	06-Oct-23	16-Sep-23	26-Sep-23	-7						
Abutment A-H	K1-CKRE	9	25-Sep-23	06-Oct-23	16-Sep-23	26-Sep-23	-7						
3.10-7538	OKRE - A-K1-OKRE Install Permeate Membrane and Baddfill	9	25-Sep-23	06-Oct-23	16-Sep-23	26-Sep-23	-7			-			
CKRE - Deck		229	24-Dao 22 A	02-Nov-23	05-Sep-23	20-Oct-23	-10						
CKRE- Span K	CS-CKRE - K4-CKRE	229	24-Dec-22 A	02-Nov-23	05-Sep-23	20-Od-23	-10						
3.10-7592	OKRE -Span Post-tensioning and Grouting (Stage 1)	12	24-Dec-22 A	18-Oct-23	05-Sep-23	26-Sep-23	-17						
3.10-7607	OKRE - Bridge OKRE Remove Falsework and Formvork		19-0d-23	02-Nov-23	07-Oct-23	20-Od-23	-10				· · · · · · · · · · · · · · · · · · ·		
	-					18-Od-25	494						
	laneous Works		25-Sep-23	08-Feb-24	27-Sep-23								
	s for Section 11		25-Sep-23	04-Jan-24	27-Sep-23	18-Oct-25	524						
3.10-7617	OKRE - Preparation for haul road		25-Sep-23	27-Sep-23	16-Od-25	18-Od-25	603						
3.10-7618	CKRE - Opening to Interfacing Contractors	0		27-Sep-23		18-Od-25	603		•				
3.10-7608	BEM - DRRE - Install Parapet Wall / TCSS duct (L)	39	19-Oct-23	04-Deo-23	27-Sep-23	14-Nov-23	-17					•	
3.10-7613	CKRE - End wall construction (Abutment)	24	03-Nov-23	30-Nov-23	21-Od-23	18-Nov-23	-10						
3.10-7612	CKRE - Movement Joint	12	25-Nov-23	08-Dec-23	06-Nov-23	18-Nov-23	-17					-	
3.10-7614	OKRE - Road pavement; Road marking	6	09-Dec-23	15-Deo-23	20-Nov-23	25-Nov-23	-17						
3.10-7616	CKRE - Final completion works	14	16-Dec-23	04-Jan-24	27-Nov-23	12-Dec-23	-17						
CKRE - Rema	ining Works	54	05-Dec-23	08-Feb-24	15-Aug-24	19-Od-24	201						
3.10-7610	OKRE - Bildge Drainage Works	26	05-Dec-23	06-Jan-24	15-Aug-24	13-Sep-24	201						
3.10-7620	OKRE - Road Lighting and Road Furniture	28	07-Dec-23	11-Jan-24	17-Aug-24	19-Sep-24	201						
3.10-7622	CRE - Final completion works		12-Jan-24	08-Feb-24	20-Sep-24	19-04-24	201						
		31.2	01-00-22-4	04.201-04		04.540.25	702						
	Underpass S21	312	01-Nov-22 A	04 10-12	25-Jan-24	04.5	703						
	oad Underpass S21			04-May-24	25-Jan-24	04-Sep-26							
S21 - RC Stru			25-Sep-23	10-Od-23	22-Aug-26	04-Sep-26	866						
	ph Sections - South (CH000 to CH143.981)		25-Sep-23	10-0ct-23	22-Aug-26	04-Sep-26	866						
												Date	Revision Cheded Ap
Current Mike		owles	n Port	o - Kai '	Tak Eas	t (Mont	h 57	llnd	e) (Rev44- CSD)	Project ID: KTE-WP44_M5 Baseline:	3	25-Mar-23 Submit CS	D Programme Rav 39wth M47 Mon TYY DC DD Programme Rav 39wth M4849 TYY DC
Critical Rem	aning Work	owioc				ing Prog			e) (Rev44- CSD)	Layout: KTE - 3 Months Ro		25-Jun-23 Submit CS	D Programme Rev 40with M50 Mon TYY DC
Remaining	Vłok		ini	ee won	ui Rolli	ng Prog	yram	ne			hs Rolling_1, KTE - Submission.	25-Aug-23 Submt CS 25-Sep 23 Submt CS	5D Programme Rev 43with M52 Mon TYY DC 5D Programme Rev 44with M53 Mon TYY DC
										Page 19 of 20			

	ID	Activity Name	Orig Dur	Stat	Finish	Late Start	Late Finish	Total	September October November December	January
S11-01mul Seven 92.9 92.00 92.90 <	17012			20.0	10.01.05	22.4		Float	53 54 55 56 7 03 10 17 24 01 08 15 22 29 05 12 19 26 03 10 17 24 31	57 07 14 21
12 4 role 12 4 role 12 5 role 12 role								000		
4:30 minute 5:10 minute				25-Sep-23	10-04-23	22-Aug-26	04-Sep-26	866		
S1-Hackbox Mail Mail Mail Mail										
S1-Rod Vertical Wertical Wert	4-7868	S21-B3-9 - Construct At Grade slab	12	25-Sep-23	10-Oct-23	22-Aug-26		866		
47370 91-hole Ander Beine (2) (ed TSS stamp)	S21 - Miscellan	neous Works	312	01-Nov-22 A	04-May-24	25-Jan-24	30-Jul-24	71		
Arrad Lydrig and Aumlaire 1/2 56-592 50-592	S21 - Roads an	nd Pavings	286	01-Nov-22 A	02-Apr-24	25-Jan-24	30-Jul-24	97		
47474 81-Part non finking wath 67 96-W2 96-	4-7878	521 - Install Profile Barriers (2) (ind. TCSS duding)	70	01-Nov-22 A	07-Oct-23	25-Jan-24	05-Feb-24	99		
S1-EAM M-M S0-M2 M-M	4-7882	S21 - Road Lighting and Road Furniture	28	25-Sep-23	30-Oct-23	27-Jun-24	30-Jul-24	218		
S12-5ptom 68 7002 6400	4-7874	S21 - Plant room finishing works	72	29-Dec-23	02-Apr-24	11-Mar-24	08-Jun-24	55		
1000 1010000000000000000000000000000000000	S21 - E&M Wor	orks	98	29-Dec-23	04-May-24	01-Mar-24	02-Jul-24	47		
41-404C System 61-40 62-30-30 64-69-30 62-50-30	S21 - Systems	IS		29-Dec-23	04-May-24	01-Mar-24	02-Jul-24			
47940 51-Fre Souch System Wate Works 64 64.00 94.00 <t< td=""><td>4-7900</td><td>S21 - Electrical Works and Electrical Service System</td><td>96</td><td>29-Dec-23</td><td>02-May-24</td><td>01-Mar-24</td><td>28-Jun-24</td><td>47</td><th></th><td></td></t<>	4-7900	S21 - Electrical Works and Electrical Service System	96	29-Dec-23	02-May-24	01-Mar-24	28-Jun-24	47		
47974 81-Pre-Sokkas System Water	4-7902	S21 - MVAC System	96	02-Jan-24	04-May-24	04-Mar-24	02-Jul-24	47		
Sch Sch <td>4-7904</td> <td></td> <td>96</td> <td></td> <td></td> <td></td> <td>02-Jul-24</td> <td>47</td> <th></th> <td></td>	4-7904		96				02-Jul-24	47		
Sch_10 Seevery O Sch=32 Sch=32 <td>ection 17-S</td> <td></td> <td></td> <td></td> <td>25-Sep-23</td> <td></td> <td></td> <td>-89</td> <th></th> <td></td>	ection 17-S				25-Sep-23			-89		
DCS-West S-ction 0 256-923					25-Sep-23			-89		
Dot378 DSC(M, A Farbation (Morean (/ Index) (morean / Index) Dia Dia Dia Dia Dia Dia Dia 10478 DSC(M, A Farbation (Morean (/ Index) (morean / Index) 10 2 A A A A 10478 DSC-Exat Pair (STAT) 10 2 Seq. 2 Seq. 2 A A A 10478 DSC-Exat Pair (STAT) 10 2 Seq. 2 Seq. 2 Seq. 2 Seq. 2 A 104574 DSC-Exat Pair (La Deprox 375m) 10 2 Seq. 2 Seq. 2 Seq. 2 Seq. 2 Seq. 2 Seq. 2 104574 DSC-Exat Pair (La Deprox 375m) 10 Seq. 2										
Sch_1D Skeep Pier Ko DCS (Kai Tak River East) 68 25-692 75-692 95-092										
DCS-East Partion 1 (approx 37.5m) Ga Z Approx 37.5m Z Appro										
IDBS2/A DCS(2): - Bodfling works in DCS awa (up to GL) 2/3 2/3 Part 2/3 Part 0/3-10	m 10 Sleeve r	pipes for DCS (Kai Tak River East)	36	25-Apr-22 A				-89		
DCS-East Portion 2 (approx 37.5m) 20 25-4p-22 A 25-5ep-23 09.4m-23 09.4m-23 649										
	DCS-East Portio									
DOESSAA DCS(E) - Badrilling works in DCS and (up to GL) 28 25.4 pr 23 09.km 23 40	DCS-East Portio	DCS(E) - Baddfiling works in DCS area (up to G.L.)	36	25-Apr-22 A		09-Jun-23	09-Jun-23	-89		
	DCS-East Portio 10-8524A DCS-East Portio	DCS(E) - Baddiling works in DCS area (up to G.L.) tion 2 (approx 37.5m)	36	25-Apr-22 A	25-Sep-23	09-Jun-23	09-Jun-23	-89		
	DCS-East Portio	DCS(E) - Baddiling works in DCS area (up to G.L.) tion 2 (approx 37.5m)	36	25-Apr-22 A 25-Apr-22 A	25-Sep-23 25-Sep-23	09-Jun-23 09-Jun-23	09-Jun-23 09-Jun-23	-89 -89		
	DCS-East Portion 10-8524A DCS-East Portion	DCS(E) - Baddiling works in DCS area (up to G.L.) tion 2 (approx 37.5m)	36	25-Apr-22 A 25-Apr-22 A	25-Sep-23 25-Sep-23	09-Jun-23 09-Jun-23	09-Jun-23 09-Jun-23	-89 -89		
Const Medicine Project ID: INTE-VP44_MS3 24Marc2 20mmt 2000 gramme the value MM MM Mun. [V/*] C/* Adaptivios Central Kowloon Route - Kai Tak East (Month 53 Update) (Rev44- CSD) Baseline: 29Marc2 Samet 200 Programme the value MM MM Mun. [V/*] C Explaint Vision Three Month Rolling Programme 29Marc2 Samet 200 Programme the value MM MM Mun. [V/*] C Baseline: Layout RTE - 3 Months Rolling Programme 29Marc2 Samet 200 Programme the value MM MM Mun. [V/*] C Baseline: Layout RTE - 3 Months Rolling Programme 29Marc2 Samet 200 Programme the value MM MM Mun. [V/*] C	Const Mess	ICC(E) - Baddilling works in DCS area (up to GL.) icen 2 (approx 37.5m) ICC(E) - Baddilling works in DCS area (up to GL.)	36 28 28	254pr22 A 254pr22 A 254pr22 A 254pr22 A	2569-23 2569-23 2569-23 2569-23	09-34n-23 09-34n-23 09-34n-23	0930n23 0930n23 0930n23	-89 -89 -89 -89 -89 -89 	ate) (Rev44- CSD) Baseline: Liyout KTE - 3 Months Rolling Programme Educ TXP General Marks Bulling 1 / TE - Schenischer SAug23 Start CSD Programme Rev 30th Educ TXP General Marks Bulling 1 / TE - Schenischer	M4549 TYY DC M50 Mon TYY DC M52 Mon TYY DC

Appendix C Project Organization Chart



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

EVENT	ACTION			
	ЕТ	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				
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. 	 to avoid further exceedance; 2.Submit proposals for remedial actions to IEC within 3 working days of notification; 3.Implement the agreed proposals; 4.Resubmit proposals if problem still not under control;

Note:

ET – Environmental Team

ER – Engineer's Representative

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

EVENT		ACTION		
	ЕТ	IEC	ER	CONTRACTOR
Action Level	1. Identify source, investigate the causes of exceedance and propose	1.Review the analysed results submitted by the ET;	1.Confirm receipt of notification of failure in	1.Submit noise mitigation 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		
	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)

Environm	ental M	itigation Implementation Schedule – Contra	tet No.: $HY/20$	18/02 (Kai Tak I	last)			
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
			Constructi	on Dust Impact				
\$4.3.10	D1	The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation and Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation.	Minimize dust impact and adverse health effects at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	 APCO To control the dust impact to meet HKAQO and TM-EIA criteria 	Implemented
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/m ² to achieve the dust removal efficiency.	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	 APCO To control the dust impact to meet HKAQO and TM-EIA criteria 	Implemented
xS4.3.10	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 and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; Any dusty materials remaining after a stockpile is removed should be 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; 	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	 APCO To control the dust impact to meet HKAQO and TM-EIA criteria 	Implemented

Environmental Mitigation Implementation Schedula Contract No. 11V/2018/02 (Kai Tak East)

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		 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
			Construction	n Noise (Airborne)				
S5.4.1	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
\$5.4.1	N4	Use 'Quiet plant'	Reduce the noise levels of plant items	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM- EIAO	Implemented
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	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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			reduce the construction airborne noise					
\$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	Implemented
			Water Quality	(Construction Phase	se)			
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: <u>Construction Runoff</u> 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

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 plant 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 at the recharge well. 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

EIA Re	f. EM& A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
\$7.5.1	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. 	address 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
\$7.5.1	WM4	 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	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	 Chemical Waste 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. 						
\$7.5.1	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	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 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				
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	-	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	 <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 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	<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.	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 with ETWB TCW 2/2004 and 3/2006.	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 Management (GLTM) Section, DEVB 	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 	Minimize visual impact and also enhance landscape	Contractor	Within Project site	Construction stage	 ETWB TCW 2/2004 ETWB TCW 3/2006 Latest recommended horticultural practices from 	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
		 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	 <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 	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)						
		C	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 (October 2023)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4 Impact Dust Monitoring (E-A1)	5	6	7
8	9	10 Impact Dust Monitoring (E-A1)	11	12	13	14
15	16 Impact Dust Monitoring (E-A1)	17	18	19	20	21 Impact Dust Monitoring (E-A1)
22	23	24	25	26	27 Impact Dust Monitoring (E-A1)	28
29	30 Impact Dust Monitoring (E-A1)	31	1	2	3	4

Appendix H Calibration Certificates (Air Monitoring)



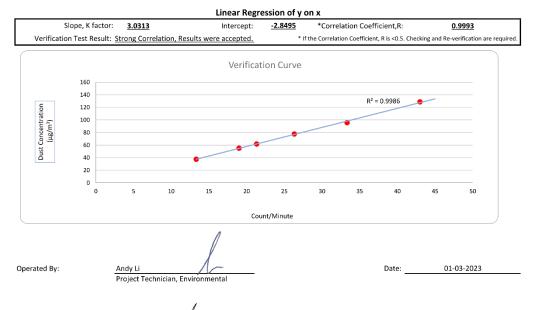
aurecon

Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

Information of Calibrated Equipement					
1-Mar-23	to	2-Mar-23	Next Verification Test Date:	1-Mar-24	
	Sibata LD-5	R	_		
	0Z4545				
RF	PT-23-HVS-0	002			
		Er	nax		
		1-Mar-23 to Sibata LD-50 0Z4545	1-Mar-23 to 2-Mar-23 Sibata LD-S4 -<	1-Mar-23 to 2-Mar-23 Next Verification Test Date: Sibata LD-5R 024545 024545	

	Standard Equipment Informa	ation
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1086	3465
Last Calibration Date:	1-Mar-23	28-Jun-22
Next Calibration Date:	30-Apr-23	27-Jun-23

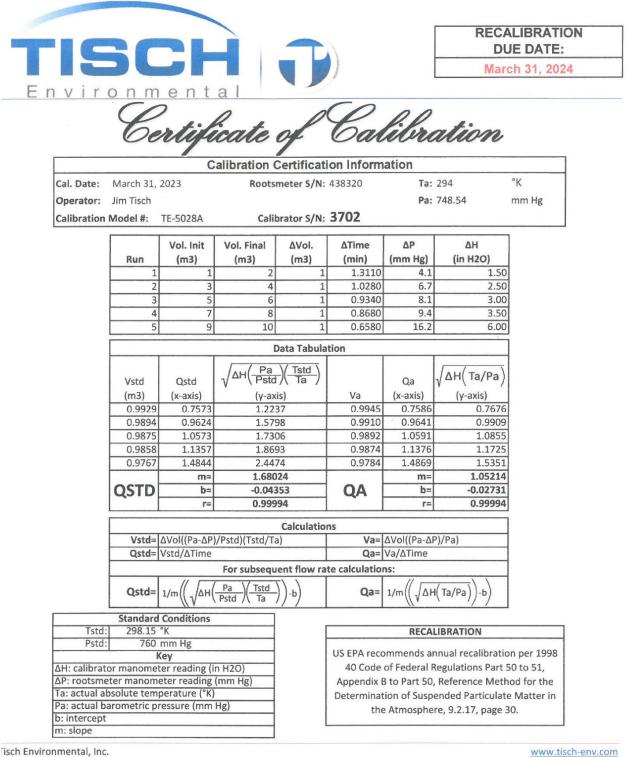
	Equipement Vertification Result							
Verification		Duration		Results from	Calibrated Equipement	Results from Standard Equipment		
Test No.	Date	Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (µg/m³) y-axis	
1	1/3/2023	5013.27	5016.34	184.20	4851	26	78	
2	1/3/2023	5016.34	5019.34	180.00	6000	33	96	
3	1/3/2023	5019.34	5022.34	180.00	7740	43	129	
4	2/3/2023	5022.34	5025.34	180.00	3840	21	62	
5	2/3/2023	5025.34	5028.34	180.00	2400	13	38	
6	2/3/2023	5028.34	5031.34	180.00	3420	19	55	



Checked By:

U Tandy ⊤se Senior Consultant, Environmental

Date: 01-03-2023



isch Environmental, Inc. 145 South Miami Avenue /illage 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)

		Site I	nformation		
Location:	EMAX	Site ID:	EA-1	Date:	03-Oct-2023
Serial No:	1049	Model:	TE-5170X	Operator:	Andy Li
		Ambie	nt Condition	1	
Actual Pressu (mm Hg):	re during Calibration (P _a)	758.0	Actual Tempe Calibration (T	v	302.5
		Calibra	ation Orifice		
Model:		TE-5	028A	Slope (m _c):	1.68024
Serial No.:		3702		Intercept (b _c):	-0.04353
Calibration Du	ue Date:	31-N	1ar-24	Corr. Coeff:	0.99994
		Calib	ration Data		
Plate or	∆H₂O	Qa, Z	X-Axis	I, CFM	IC, Y-Axis
Test #	(in)	(m ³ /	/min)	(chart)	(corrected)
18	11.40	2.0)18	60.0	59.48
13	9.20	1.8	315	55.0	54.52

3.80 Sampler Calibtation Relationship (Qa on x-axis, IC on y-axis)

6.30

4.90

31.5145 m=

-3.4681 b=

Calculations

1.507

1.332

1.176

0.9966 Corr. Coeff=

43.62

39.65

32.71

$Qa = 1/m_c^*[Sqrt (\Delta H_2O^*(P_a/P_{Std})^*(T_{Std}/T_a)) - b_c]$ $IC = I^*(Sqrt (P_a/P_{Std})^*(T_{Std}/T_a))$

Qa = actual flow rate IC = corrected chart response I = actual chart response m_c = calibrator slope b_c = calibrator intercept

10

7

m = sampler slope b = sampler intercept T_{Std} = 298 deg K

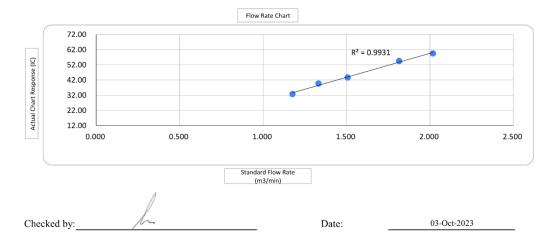
P_{Std} = 760 mm Hg

 T_a = actual temperature during calibration (deg K) P_a = actual pressure during calibration (mm Hg)

44.0

40.0

33.0





aurecon

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

		Site I	nformation		
Location:	EMAX	Site ID:	EA-1	Date:	18-Oct-2023
Serial No:	1049	Model:	TE-5170X	Operator:	Andy Li
		Ambie	nt Condition		
Actual Pressı (mm Hg):	ure during Calibration (P _a)	761.5	Actual Tempe Calibration (T		297.8
		Calibr	ation Orifice	•	
Model:		TE-5	028A	Slope (m _c):	1.68024
Serial No.:		37	702	Intercept (b _c):	-0.04353
Calibration D	ue Date:	31-Mar-24		Corr. Coeff:	0.99994
		•		· · · ·	
		Calib	ration Data		
Plate or	∆H₂O	Qa, 2	X-Axis	I, CFM	IC, Y-Axis
Test #	(in)	(m ³	/min)	(chart)	(corrected)

Plate or	∆H₂O	Qa, X-Axis	I, CFM	IC, Y-Axis
Test #	(in)	(m³/min)	(chart)	(corrected)
18	11.80	2.073	59.0	59.08
13	9.40	1.853	52.0	52.07
10	6.60	1.557	45.0	45.06
7	5.10	1.372	40.0	40.06
5	3.90	1.203	37.0	37.05

Sampler Calibtation Relationship (Qa on x-axis, IC on y-axis)

m= 25.3327

b= 5.8385

Calculations

Corr. Coeff= 0.9970

 $\begin{aligned} &\mathsf{Qa} = 1/\mathsf{m_c}^*[\mathsf{Sqrt} \left(\Delta\mathsf{H}_2\mathsf{O}^*(\mathsf{P_a}/\mathsf{P_{Std}})^*(\mathsf{T_{Std}}/\mathsf{T_a})\right) \text{-} \mathsf{b_c}] \\ &\mathsf{IC} = \mathsf{I}^*(\mathsf{Sqrt} \left(\mathsf{P_a}/\mathsf{P_{Std}}\right)^*(\mathsf{T_{Std}}/\mathsf{T_a})) \end{aligned}$

 $\begin{array}{l} Qa = actual flow rate \\ IC = corrected chart response \\ I = actual chart response \\ m_c = calibrator slope \\ b_c = calibrator intercept \end{array}$

m = sampler slope b = sampler intercept T_{std} = 298 deg K B = 760 mm Hg

P_{std} = 760 mm Hg

 T_a = actual temperature during calibration (deg K) P_a = actual pressure during calibration (mm Hg)

Flow Rate Chart 62.00 R² = 0.9941 52.00 Actual Chart Response (IC) 42.00 32.00 22.00 12.00 2.000 0.000 0.500 1.000 1.500 2.500 Standard Flow Rate (m3/min) Checked by: Date: 18-Oct-2023

Appendix I The Certification of Laboratory with HOKLAS Accredited Analytical Tests



Appendix J Location Plan of Air Quality Monitoring Station



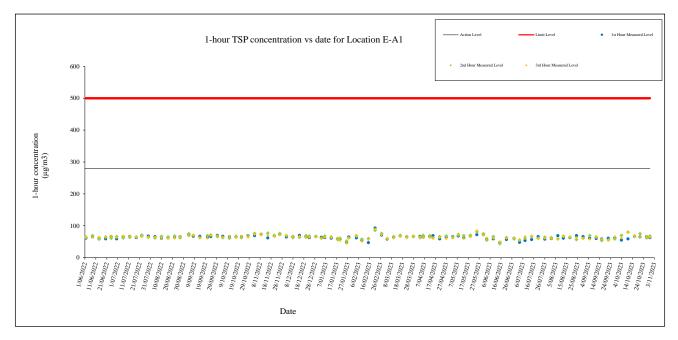
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Appendix K Monitoring Data (Air Monitoring)

Location:	Hong Kong International Trade and Exhibition Centre (E-A1)
Monitoring date:	4, 10, 16, 21, 27 and 30 October 2023
Parameter:	1-hour TSP
Other Factors:	Nearby traffic

		1-hour TSP (μg/m³)							
Date	Weather	Start Time	1 st hour (μg/m ³)	2 nd hour (μg/m ³)	3 rd hour (μg/m³)				
04/10/2023	Fine	13:00	55	70	62				
10/10/2023	Fine	13:04	59	80	79				
16/10/2023	Fine	13:07	67	68	70				
21/10/2023	Fine	13:05	65	75	65				
27/10/2023	Fine	13:11	66	62	67				
30/10/2023	Fine	13:16	63	68	64				

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



Location:	Hong Kong International Trade and Exhibition Centre (E-A1)
Monitoring date:	4, 10, 16, 21, 27 and 30 October 2023
Parameter:	24-hour TSP
Other Factors:	Nearby traffic

										Date of	Calibration:	3-Oct-23		Slope =	31.5145
										Calibrati	on due date:	17-Oct-23		Intercept =	-3.4681
										Date of	Calibration:	18-Oct-23		Slope =	25.3327
										Calibrati	on due date:	1-Nov-23		Intercept =	5.8385
Start Date	Weather Condition		Elapse Time		С	hart Reading		Avg Air Temp	Avg Atmospheric Pressure	Flow Rate	Standard Air Volume	Filter W	eight (g)	Particulate weight	Conc.
	Condition	Initial	Final	Actual (min)	Min	Max	Avg	(°C)	(mm hPa)	(m ³ /min)	(m ³)	Initial	Final	(g)	$(\mu g/m^3)$
04/10/2023	Fine	8231.66	8255.66	1440.00	45	45	45.0	30.7	1008.2	1.52	2184	2.7298	2.8354	0.1056	48
10/10/2023	Fine	8255.66	8279.66	1440.00	46	47	46.5	25.5	1016.3	1.59	2286	2.6336	2.7191	0.0855	37
16/10/2023	Fine	8279.66	8303.66	1440.00	46	46	46.0	27.4	1015.2	1.57	2254	2.6467	2.7299	0.0832	37
21/10/2023	Fine	8303.66	8327.66	1440.00	45	45	45.0	23.9	1018.6	1.56	2242	2.7019	2.7984	0.0965	43
27/10/2023	Fine	8327.66	8351.66	1440.00	46	46	46.0	26.2	1014.4	1.58	2279	2.6340	2.7061	0.0721	32
30/10/2023	Fine	8351.66	8375.66	1440.00	45	46	45.5	26.0	1017.8	1.57	2260	2.6416	2.8080	0.1664	74
														Min	32
														Max	74
														Average	45

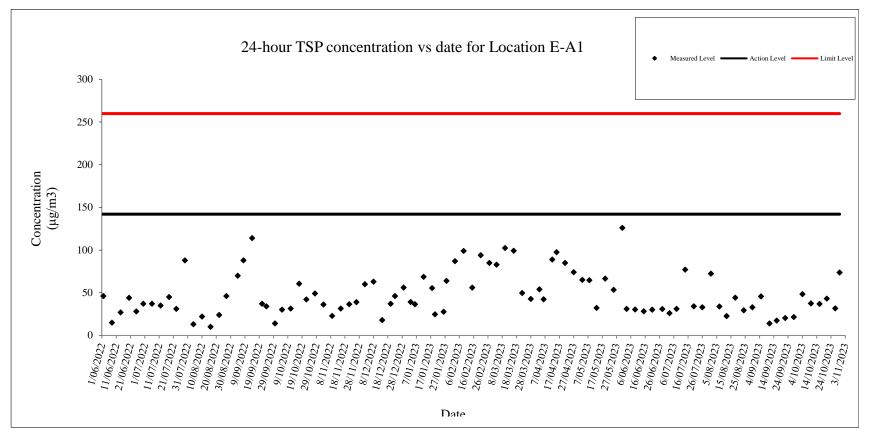
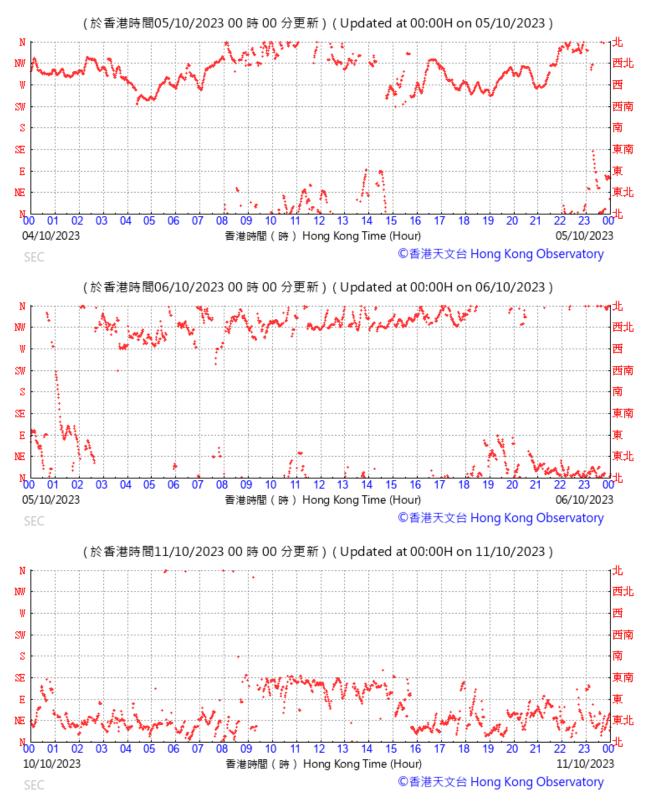
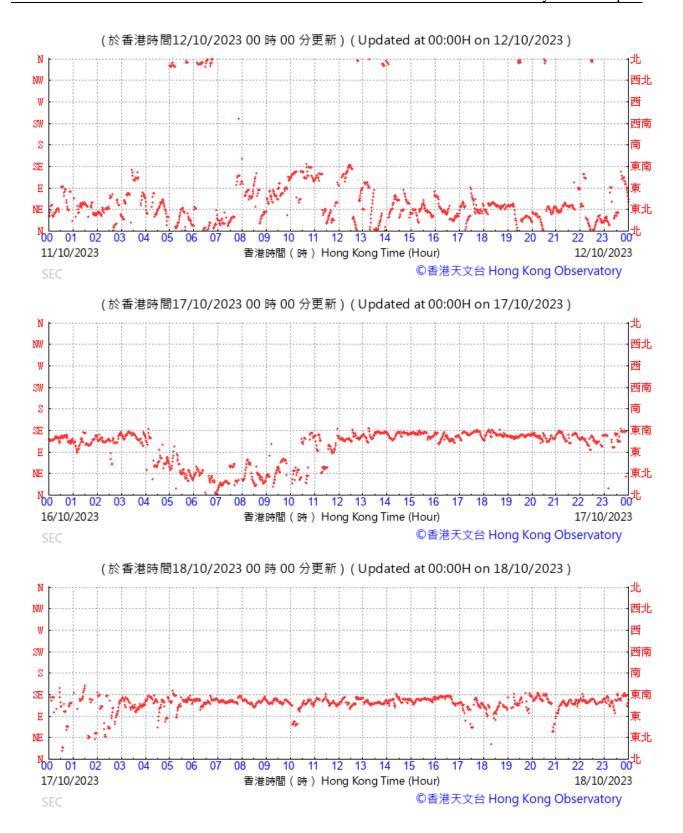
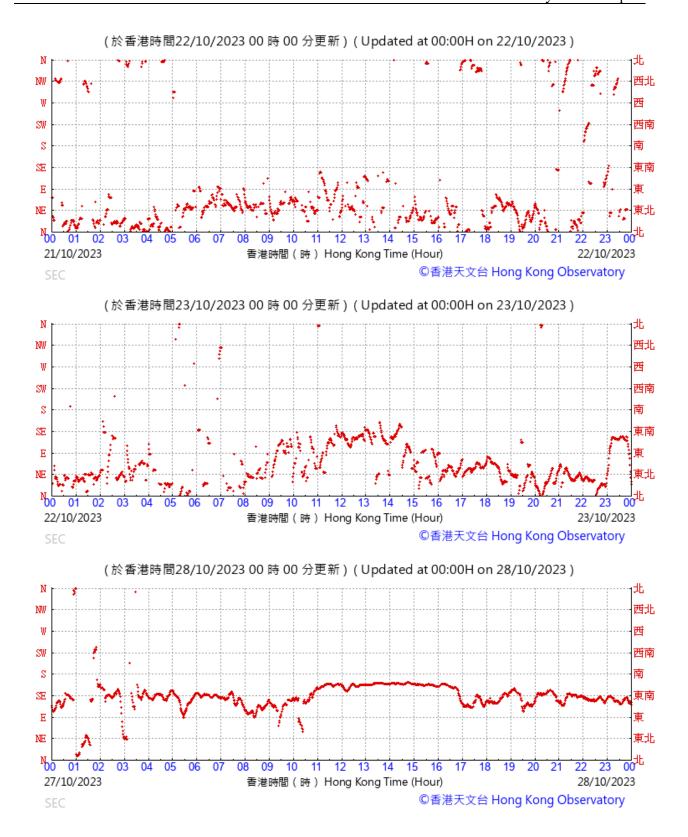


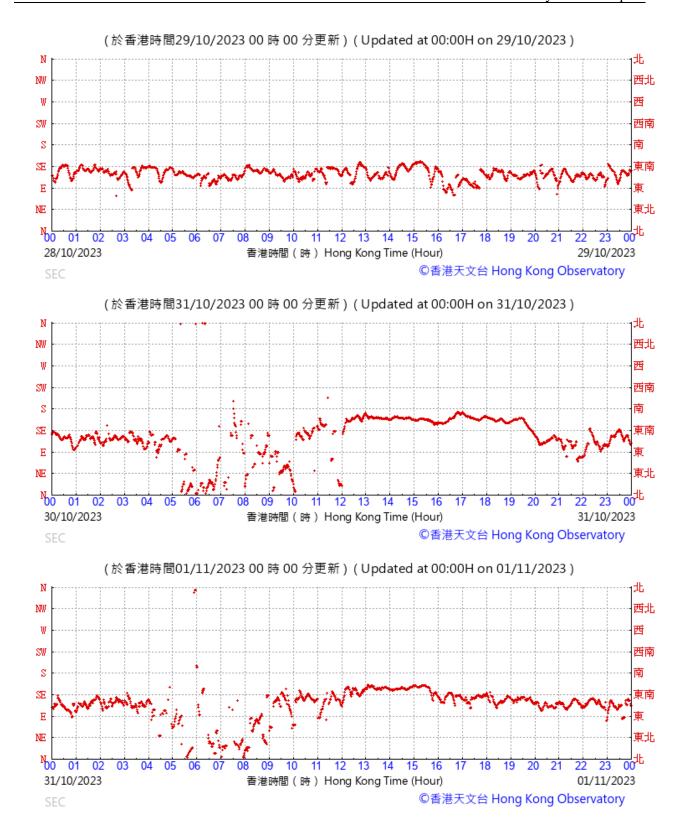
Figure 2: Graphical Illustration of Measured 24-hour TSP ($\mu g/m^3$) Levels at E-A1

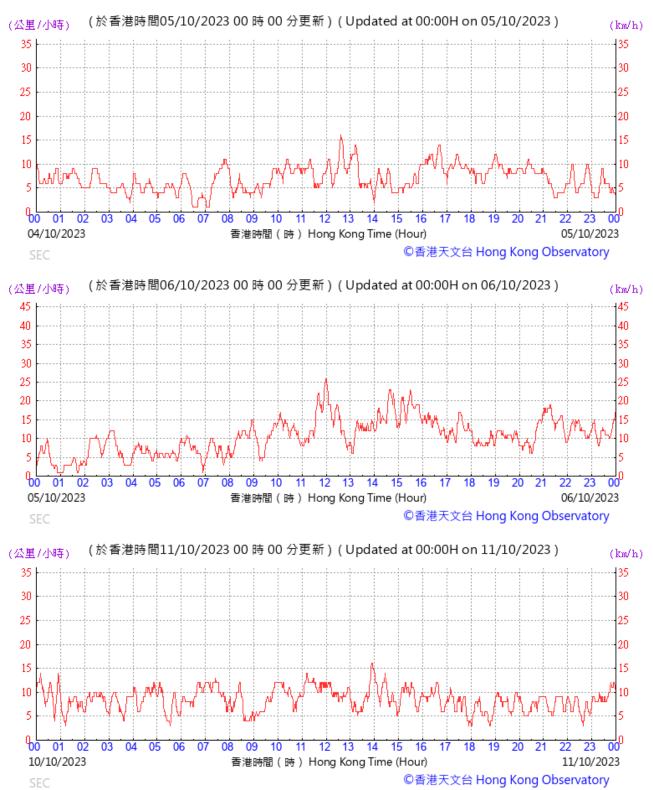


WIND DIRECTION DATA FOR 4, 5, 10, 11, 16, 17, 21, 22, 27, 28, 30 and 31 Oct 2023

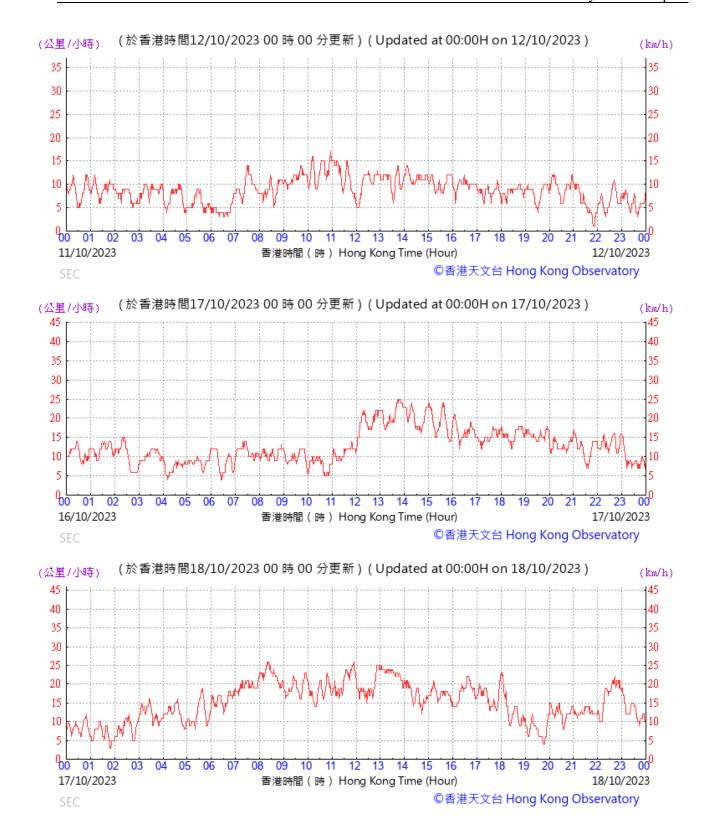


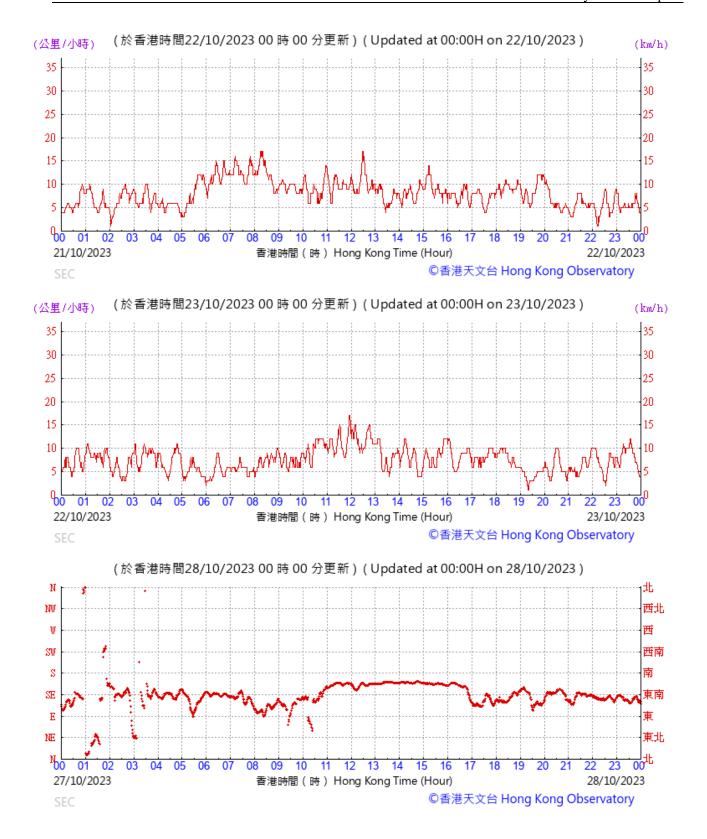


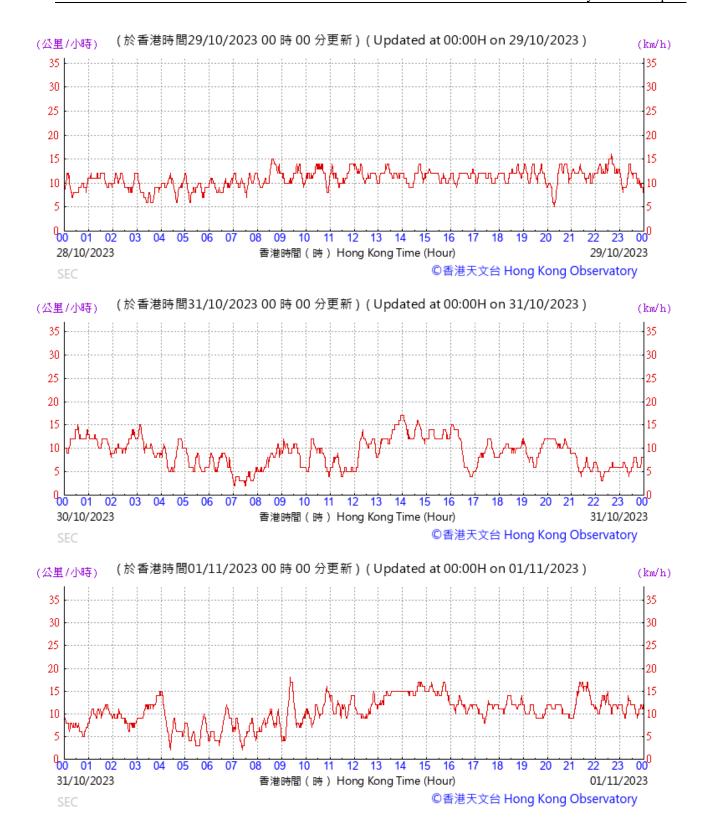




WIND SPEED DATA FOR 4, 5, 10, 11, 16, 17, 21, 22, 27, 28, 30 and 31 Oct 2023







Appendix L Waste Flow Table

Contract No.: HY/2018/02

Central Kowloon Route - Kai Tak East



Name of Department: HyD

Monthly Summary Waste Flow Table - October 2023

					Actu	al Quantities of I	nert C&D Mater	ial Generated Mo	nthly						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)	Projecto	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	141.03	0.00	0.00	715.00	0.00	80.00	1328300.00
Jan	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	20.00	0.00	0.00	109020.00
Feb	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.00	100.00	0.00	0.00	131770.00
Mar	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00	100.00	0.00	0.00	134850.00
Apr	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	50.00	0.00	0.00	125370.00
May	0.27	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.71	0.00	0.00	0.00	100.00	0.00	0.00	107420.00
June	0.87	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.12	0.00	0.00	0.00	50.00	0.00	0.00	116220.00
July	0.70	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	1.02	0.00	0.00	0.00	50.00	0.00	0.00	64940.00
Aug	0.45	0.00	0.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109960.00
Sep	0.24	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91660.00
Oct	0.28	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58850.00
Total	264.34	0.34	4.21	2.28	4.40	32.89	0.17	12.83	1.63	20.50	0.62	186.70	2.96	1,258,801.03	48.00	0.00	3,044.00	0.00	80.00	4,338,910.00

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

Statistical Summary of Exceedances						
	Air Quality					
Location	Location Action Level Limit Level Total					
E-A1 0 0 0						

Statistical Summary of Environmental Complaints

Departing Devied	Env	Environmental Complaint Statistics				
Reporting Period	Frequency	Cumulative	Complaint Nature			
1 October 2023 31 October 2023	0	2	N/A			

Statistical Summary of Environmental Non-compliance

Departing Devied	Environmental Non-compliance Statistics					
Reporting Period	Frequency	Cumulative	Details			
1 October 2023 	0	0	N/A			

Statistical Summary of Environmental Summons

Donorting Dariad	Env	Environmental Summons Statistics				
Reporting Period	Frequency	Cumulative	Details			
1 October 2023 - 31 October 2023	0	0	N/A			

Statistical Summary of Environmental Prosecution

Departing Devied	Envi	Environmental Prosecution Statistics				
Reporting Period	Frequency	Cumulative	Details			
1 October 2023 - 31 October 2023	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 (November 2023)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4 Impact Dust Monitoring (E-A1)
5	6	7	8	9	10 Impact Dust Monitoring (E-A1)	11
12	13	14	15	16 Impact Dust Monitoring (E-A1)	17	18
19	20	21	22 Impact Dust Monitoring (E-A1)	23	24	25
26	27	28 Impact Dust Monitoring (E-A1)	29	30	1	2

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. 37 (October 2023)

Version 1.0 Date of Report: 9 November 2023

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

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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)
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Reference Document/Plan

Document/Plan to be-Certified/ Verified:	Monthly EM&A Report No.37
Date of Report:	9 November 2023 (Version 1.0)
Date received by IEC:	9 November 2023

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:

9 November 2023

Our ref: 0436942_IEC Verification Cert_BEM_Monthly EM&A Rpt No.37_20231109.docx

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EXECUTIVE SUMMARY

Introduction

- This is the 37th 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 October 2023 – 31st October 2023.
- 2. The major site activities undertaken in Kai Tak East Area in the reporting month included:
 - Excavation & sub-structure works.
 - Super-structure works.
 - ABWF works

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 3, 10, 17, 24, 30 October 2023, whereas joint site inspection with the representative of IEC was conducted on 10 October 2023. 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 (October 2023) 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**.

Event	Eve	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:
 - Excavation & sub-structure works.
 - Super-structure works.
 - ABWF works

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 37th 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 October 2023 – 31st October 2023. 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**.

Table 1.1 Rey Hojeet Contacts									
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:
 - Excavation & sub-structure works.
 - Super-structure works.
 - ABWF works

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								
	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 Waste Disposal										
7037679	26 Jun 2020	N/A	Valid							
Registration of Chemical Waste Pr	oducer – Kai Tak									
5211-286-G2347-54	15 Jul 2020	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 Tak Site										
GW-RE0944-23	1 Sep 2023	30 Nov 2023	Valid							
Construction Noise Permit for Wor	Construction Noise Permit for Works at 2nd office									
GW-RE0942-23	2 Sep 2023	1 Mar 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

	Quantity										
	Inert C&I	D 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)				
	$(in '000m^3)$		$'000m^{3})$								
October 2023 0.290 0.290		0.290	1.316	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 10 & 24 October 2023. 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 3, 10, 17, 24, 30 October 2023 in the reporting month. Joint site inspection with the representative of IEC was conducted on 10 October 2023. 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	Follow-up Actions					
Water Quality	3, 10, 17, 24 October 2023	Ponding water should be removed.	Ponding water has been removed.				
Air Quality	30 October 2023	Stock of more than 20 bags of cement should be covered.	Stock of cement has been covered.				
Noise	N/A	N/A					
Waste / Chemical	17 October 2023	General refuse should be removed.	General refuse has been removed.				
Management	30 October 2023	Drip tray should be provided for chemicals.	Chemicals have 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 (September 2023)	13 October 2023		

7 FUTURE KEY ISSUES

- 7.1 Major site activities undertaken for the coming two months include:
 - Excavation & Sub-structure Works.
 - Super-structure works
 - ABWF works
- 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 37th Monthly EM&A Report which presents the EM&A works undertaken in Kai Tak East Area during the reporting month from 1st October 2023 – 31st October 2023 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.

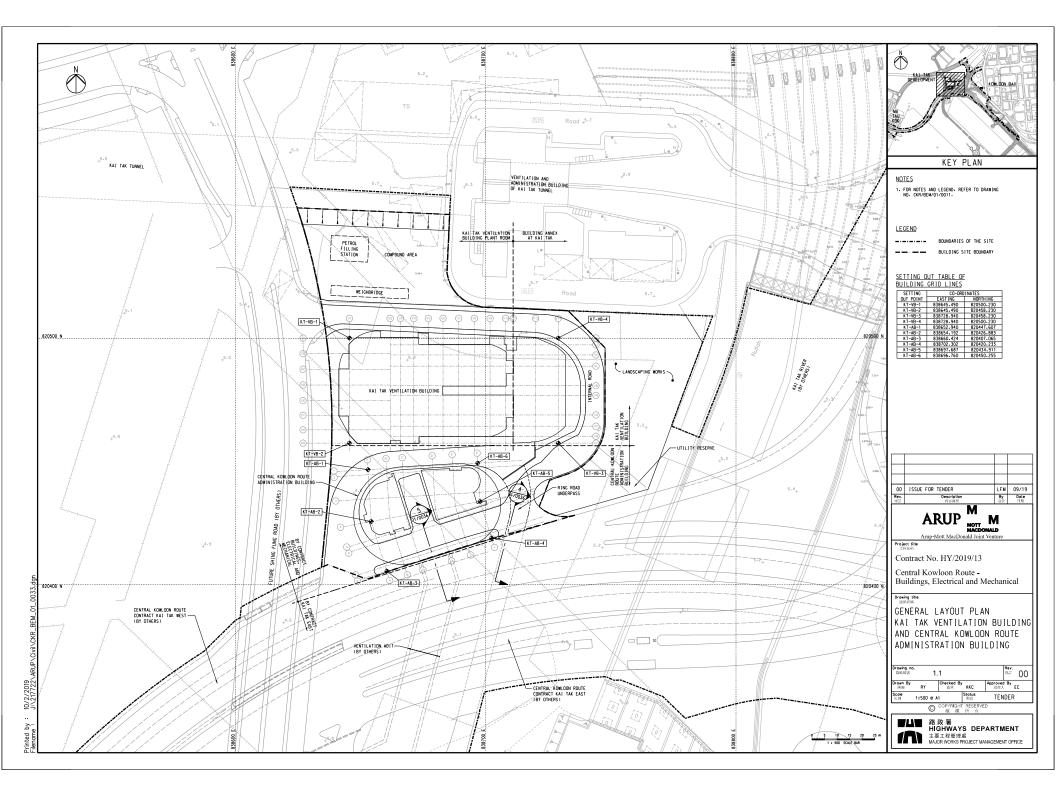
<u>Site Audit</u>

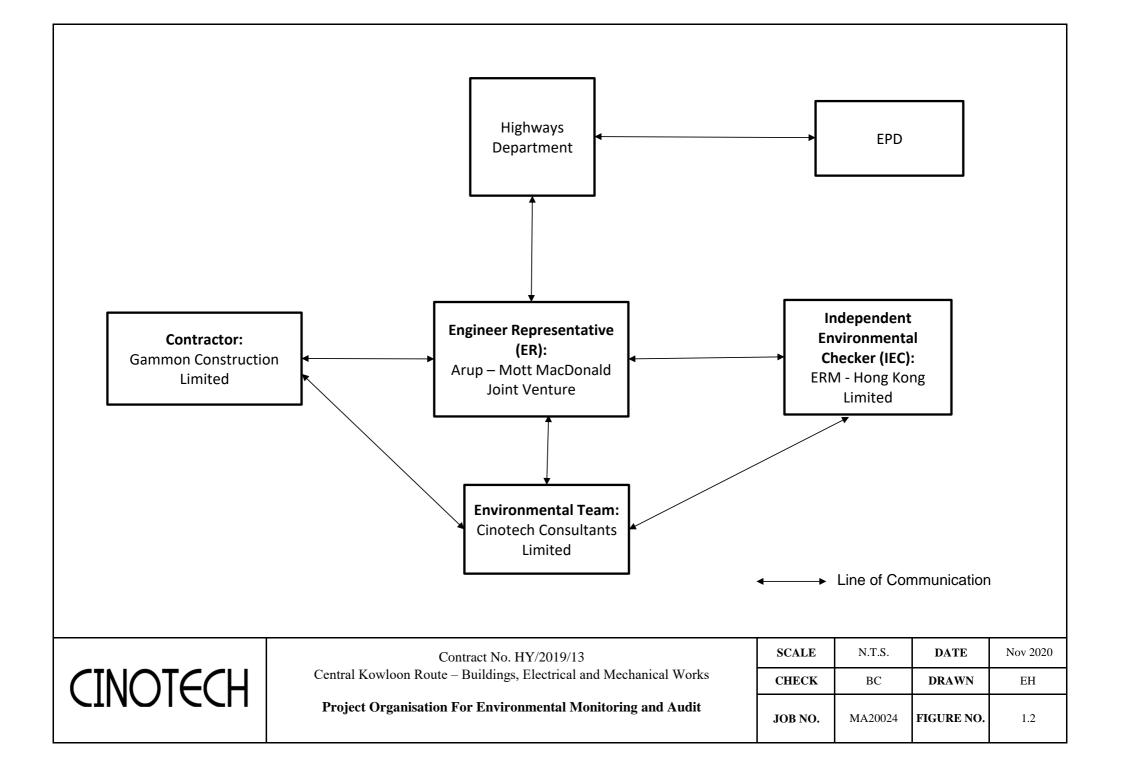
8.4 5 ET joint weekly environmental site inspections were conducted in the reporting month. Joint weekly site inspections with the representative of ET, Engineer Representative and the Contractor were conducted on 3, 10, 17, 24, 30 October 2023, whereas joint site inspection with the representative of IEC was conducted on 10 October 2023. 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

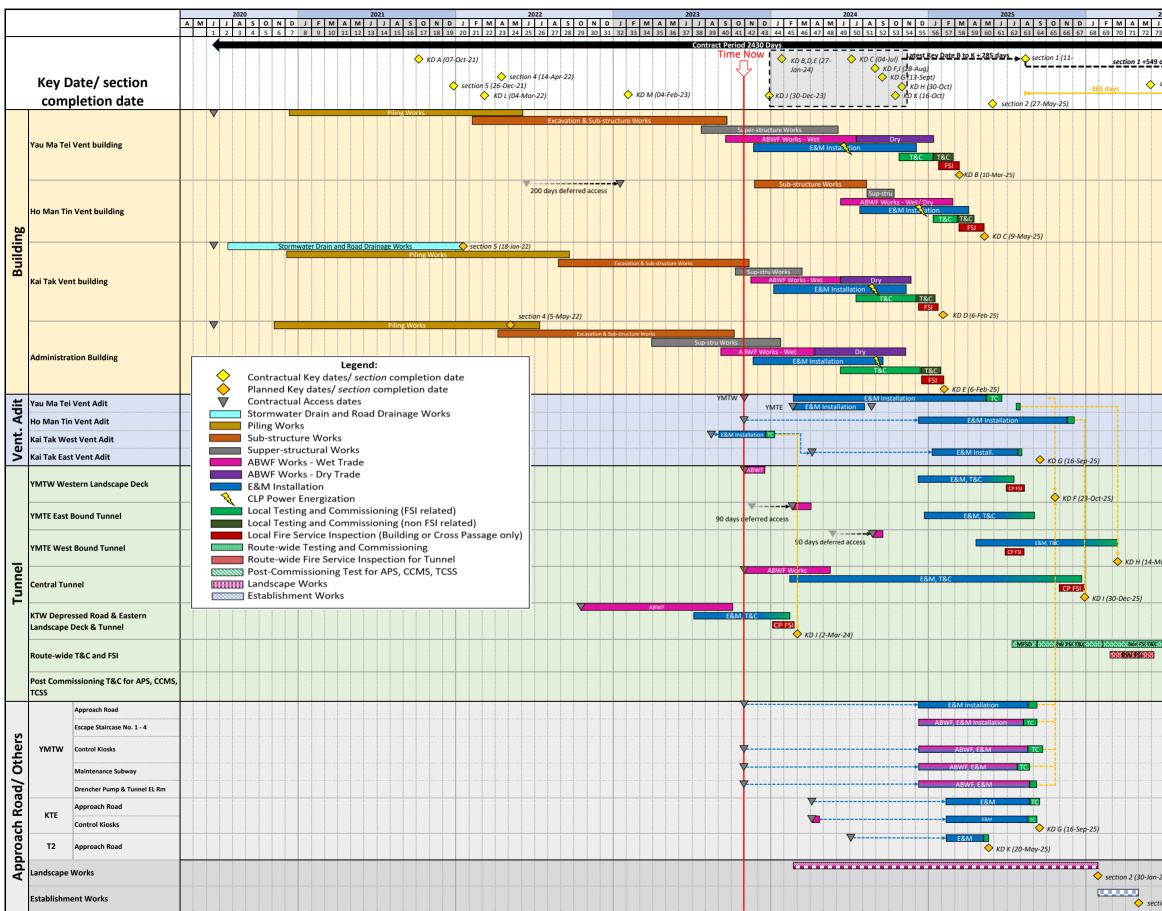




APPENDIX A CONSTRUCTION PROGRAMME



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





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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	y Waste Flow Table for <u>2023</u> (year)

		Actual Quanti	tes of Inert C&D I	Materials Genera	ted Monthly			Actual	Quantites of C&	D Waste Generat	ed 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	1.576	0.000	0.000	0.000	1.576	0.000	0.000	0.000	0.000	0.000	0.000	0.087
Feb	10.209	0.000	0.000	0.000	10.209	0.000	0.000	0.000	0.000	0.000	0.000	0.066
Mar	12.409	0.000	0.000	0.000	12.409	0.000	0.000	0.000	0.000	0.000	0.000	0.135
Apr	5.538	0.000	0.000	0.000	5.538	0.000	0.000	0.000	0.000	0.000	0.000	0.248
May	3.511	0.000	0.000	0.000	3.511	0.000	0.000	0.000	0.000	0.000	0.000	0.355
Jun	1.507	0.000	0.000	0.000	1.507	0.000	0.000	0.000	0.000	0.000	0.000	0.426
Sub-Total	34.750	0.000	0.000	0.000	34.750	0.000	0.000	0.000	0.000	0.000	0.000	1.317
Jul	0.055	0.000	0.000	0.000	0.055	0.000	0.000	0.000	0.000	0.000	0.000	0.453
Aug	0.072	0.000	0.000	0.000	0.072	0.000	0.000	0.000	0.000	0.000	0.000	0.329
Sep	0.110	0.000	0.000	0.000	0.110	0.000	0.000	0.000	0.000	0.000	0.000	0.500
Oct	0.290	0.000	0.000	0.000	0.290	0.000	0.000	0.000	0.000	0.000	0.000	1.316
Nov												
Dec												
Total (2023)	35.278	0.000	0.000	0.000	35.278	0.000	0.000	0.000	0.000	0.000	0.000	3.915
Total (whole)	104.216	0.000	0.782	2.615	100.819	0.000	0.000	0.000	0.000	1.080	0.000	4.712

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		1						
S4.3.10	D1	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		- APCO - To control the dust impact to meet HKAQO and TM-EIA criteria	^	
S4.3.10	D2		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	^	
\$4.3.10	D3	Proper watering at exposed spoil should be undertaken throughout the construction phase.	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	- APCO - To control the dust impact to meet HKAQO and TM-EIA criteria	^	
		Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading.						۸	
		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.						^	
		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 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.						^
		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.						^
		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						۸
		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.						٨
		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.						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
		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
onstruction	n Noise (Airbor							
S5.4.1	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	^
		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.						^
		Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works.						٨
		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	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	^

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
S5.4.1		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		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
S5.4.1	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	ity (Constructio	n Phase)		•				
S6.9.1.1		<u>Construction Runoff</u> 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 sand bag 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.	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 	~

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.						Α
		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.						^

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.						^
		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.						A
		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.						Α
		Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts.						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
		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
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.	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-035	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		
S6.9.1.5	W4	Groundwater from Potential Contaminated Area:	To minimize	Contractor	Excavation areas	Construction	- Water Pollution	^		
		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	^		
		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 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 at the recharge well. Prior to recharge, any prohibited substances such as TPH products should be removed as necessary by installing the petrol interceptor.						N/A		

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		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. 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 	^ ^ ^
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	A

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S7.5.1	WM2	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. 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 	^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^
S7.5.1	WM3	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 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 	^ N/A

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87.5.1	WM4	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	٨
S7.5.1	WM5	<u>Land-based and Marine-based Sediment</u> 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

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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.						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
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.	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	^
		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.					and Storage of Chemical . Waste	*
		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.						^

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		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							
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	PBH4	of construction works within the	Practice Guide (PG) for Investigation and Remediation of Contaminated Land - Guidance Notes for Contaminated Land	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.					Assessment and Remediation • Guidance Manual for	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.					Use of Risk-Based Remediation Goals (RBRGs) for Contaminated Land Management	N/A

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Hazard to Li			I					
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	/	^
S9.18	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	and 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	/	۸
		Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance.						^
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	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 Phase	/	^
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		<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		<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		<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 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	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							
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 	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;						^
		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.						^

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

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

Appendix D – Summary of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

Reporting Month: October 2023

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

Remarks: No environmental complaint and warning/summon and prosecution was received in the reporting period.

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

Reporting Period	Frequency	Cumulative	Details				
		Environmental Complaint Statistics					
	0	2	N/A				
October 2023	Environmental Non-compliance Statistic						
October 2025	0	0	N/A				
	Envir	onmental Summon and Prosecution Statist	tic				
	0	0	N/A				