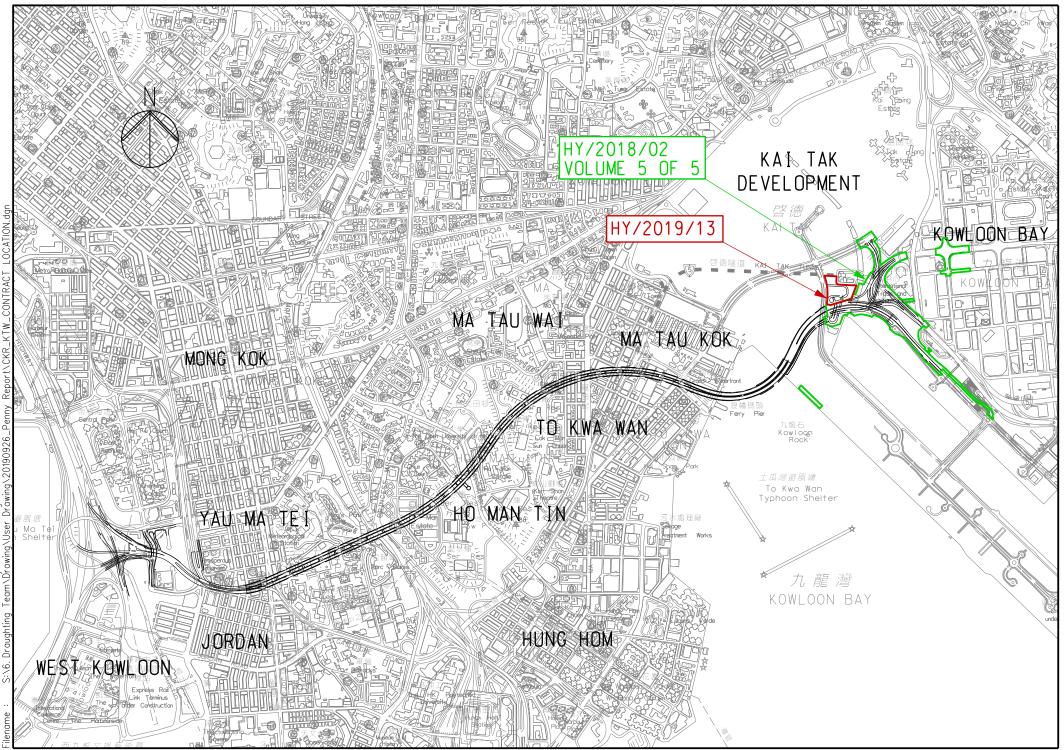
Vol. 5 of 5

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) January 2023



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





Alchmex – Paul Y Joint Venture

Central Kowloon Route Contract HY/2018/02

Section of Kai Tak East

Monthly EM&A Report No. 41

(Period from 1 to 31 January 2023)

Rev. 1 (7 February 2023)

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





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.41 (January 2023)
Date of Report:	7 February 2023 (Rev. 1)
Date received by IEC:	7 February 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:

7 February 2023

Our ref: 0436942_IEC Verification Cert_KTE_Monthly EM&A Rpt No.41.docx

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EXECUTIVE SUMMARY

- A.1 Alchmex Paul Y Joint Venture ("Contractor") commenced the construction works of Highway Department (HyD) Central Kowloon Route Contract No. HY/2018/02 – Section of Kai Tak East ("The Project") on 9 September 2019. This report is the 41st monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 January 2023 to 31 January 2023.
- A.2 A summary of major Construction activities provided by 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 3B
- Bored Pile at U-Turn
- 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	7 times
Construction dust (1-hour TSP) monitoring	
E-A1	21 times

- A.4 Joint weekly site inspections were conducted by representatives of Environmental team (ET), Contractor and Engineer on 4, 11, 18 and 27 January 2023. A joint site inspection with Independent Environmental Checker (IEC) was undertaken on 11 January 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 4 and 18 January 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, S3, S4, S9 CKRE, CKRW Bridge Construction
- Retaining Wall Construction at U-Turn & Portion 2B
- Excavation Work at Portion 3B
- Bored Pile at U-turn

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 3B
- Bored Pile at U-Turn
- 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 Period						
Notification /Reference No.	From	То	Status	Remark			
Environmental Permit							
EP-457/2013/D	15-Jun-21		Valid	-			
Wastewater Discharge Lie	ense						
WT00035029-2019	17-Dec-19	31-Dec-24	Valid	-			
Notification of Construction Regulation	on Works under	the Air Pollution	on Control (Co	onstruction Dust)			
445001	Apr-19	Dec-23	Notified	-			
Chemical Waste Producer		I	I				
WPN5113-247-A2940-01	17-May-19		Valid	-			
Billing Account for Dispos	al of Construction	on Waste					
7034073	15-Jun-19		Valid	-			
Construction Noise Permit							
GW-RE0874-22	17-Sep-22	16-Mar-23	Valid	General Work at Area A			
GW-RE0889-22	12-Sep-22	11-Mar-23	Valid	Portion 2B			
GW-RE0903-22	17-Sep-22	16-Mar-23	Valid	General Work at Area B and Site Office			
GW-RE1327-22	7-Dec-22	6-Mar-23	Valid	Superseded by GW-RE0012-23			
GW-RE1466-22	10-Jan-23	28-Jun-23	Valid	Kai Cheung U Turns			
GW-RE0012-23	16-Jan-23	15-Mar-23	Valid	Night Work at Kai Fuk & Kai Cheung 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 (December 2022)	13 January 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	882150	27 March 2022
24-hour TSP	TE-5170X High Volume Sampler	1049	24 December 2022 6 January 2023 19 January 2023
	TE-5028A Calibration Kit	3702	29 June 2022

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 3, 6, 12, 18, 20, 26 and 28 January 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 (µg/m³)	Action Level(μg/m³)	Limit Level(µg/m ³)
E-A1	45.0 - 68.0	279	500

Table 3.6Summary of 24-hour TSP Monitoring Results

Monitoring Location	Range	Action Level	Limit Level
	(µg/m³)	(µg/m³)	(µg/m ³)
E-A1	25 - 69	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)
Jan 2023	0.08	0.00	109020.00	20.00	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	onmental Complaint Ha	ndling Procedure	
Complaint Received via	Project Hotline	Complaint Received vi	a 1823 or from other
		government departments	
Contractor notify ER, ET	Γ and IEC	ER notify Contractor, ET	and IEC
Contractor log complain	nt and date of receipt on	to the complaint database.	Contractor, ER and ET
	to conduct investi	gation of complaint	
If complaint is considere	ed not valid	If complaint is found val	id
ET or ER to reply the co	mplainant if necessary	Contractor to identify an	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 reme	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 referred by the EPD, the Contractor to prepare interim report on the status of the complaint investigation and follow-up actions stipulated above, including the details of the remedial measures and additional monitoring identified or already taken, for submission to EPD within the time frame assigned by the EPD

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

- 5.2. Should non-compliance of the criteria occur, action in accordance with the Event and Action Plan in **Appendix D** and **Appendix E** shall be carried out.
- 5.3. No exceedance of the Action and Limit Levels of 24-hour TSP and 1-hour TSP monitoring was recorded in the reporting month.
- 5.4. No complaint 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 27 January 2023, along with bi-weekly inspection of the implementation of landscape and visual mitigation measures conducted on 4 and 18 January 2023.
- 6.2. One joint site inspection with IEC was also undertaken on 11 January 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 Jan 2023	NA	NA
11 Jan 2023	NA	NA
18 Jan 2023	NA	NA
27 Jan 2023	NA	NA

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:

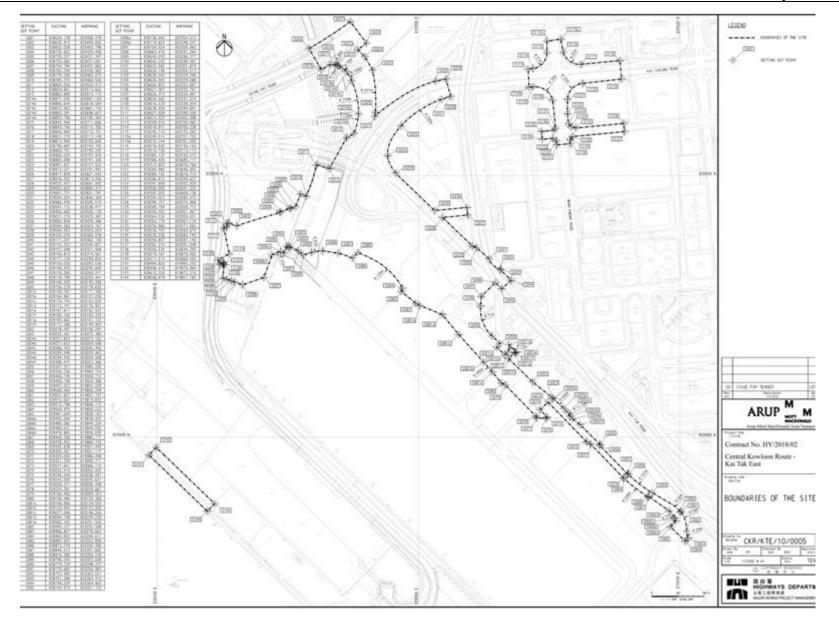
Construction Activities to be undertaken

- S1, S3, S4, S9 CKRE, CKRW Bridge Construction
- Retaining Wall Construction at U-Turn & Portion 2B
- Excavation Work at Portion 3B
- Bored Pile at U-turn
- 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 41st monthly EM&A Report presents the EM&A works undertaken during the period from 1 January 2023 to 31 January 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 January 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

ate: 15-Dec-2 ate: 29-Dec-2						Centr				2018/02 - Kai Tak East						Alchm	ex – Paul Y	Joint Ven	ture
	Activity Name		Orig Dur	Slat	Finish	Lalo Start	Late Finish	Total Float	TRA (Day)	Dacan 44	iber	January 45		February 46			March 47		4
ntral Kowle	oon Route - Kai Tak East (Monti	1 44 Undate) (Re	1264	30-Oct-19 A	20-0uH23	08-Dec-22	24-Feb-26	769	604.00	20 27 04 11	18 25	01 08 15	22 29	05 12	19 26	05	12 19	26 02	06
	RIES AND GENERAL REQUIREM		153	18-Od-22 A	12-Apr-23	27-Dec-22	26-0d-25	749	0.00										
	Dates and Milestones																		
Key Dates			163	31-Oct-22 A	12-Apr-23	11-Apr-23	26-Oct-25	928	0.00										
Sections of th	ne Works		163	31-Oct-22 A	12-Apr-23	11-Apr-23	26-Oct-25	928	0.00										
KD-08	KD08 - Section 8: Completion of struct. of Vent	adit, & RR Underpassand	0		31-0d-22 A		26-Oct-25												
KD-11	Vac.of 182,1D2,1D4 (758d fr 182) KD11 - Sedion 11: Completion of the Structure		0		12-Apr-23*		11-Apr-23	-1											
Access Dates	of Bridge as Haul Road (973days)		90	27-Dec-22	27-Mar-23	27-Dec-22	27-Mar-23	0	0.00										
AD-3C	Access date for Part 3C (1345 days)			27-Dec-22*		27-Dec-22		0											
AD-4A	Access date for Part 4A (1376 days)			27-Jan-23*		27-Jan-23		0											
AD-4C	Access date for Part 4C (1376 days)			27-Jan-23*		27-Jan-23		0											
AD-463	Access date for Pat 4E (1376 days)			27-Mar-23*		27-Jan-23		0											
								-											
AD-481	Access date for Part 4B1 (1435 days)			27-Mar-23*		27-Mar-23		0											
AD-482	Access date for Part 4B2 (1435 days)		0	27-Mar-23*		27-Mar-23		0										•	
	t Safety Audit Scheme ACC D31(5																		
Safety Aduit			0	20-3an-23	20-Jan-23	27-Oct-24	27-Oct-24	646	0.00										
SA-1116	8th Safety Audit at 6 months intervals		0	20-Jan-23		27-Oct-24		646				•	•						
Jtilities Sche	edule (WSD/DSD/CLP/TG/PCCW/	HKB/ATC/KT Tur	113	18-Oct-22 A	21-Feb-23	07-Mar-24	09-May-24	355	0.00										
Utilities Month	hly Meeting		113	18-Od-22 A	21-Feb-23	07-Mar-24	09-May-24	355	0.00										
UU-1050	14th Utilities monthly meeting		0	18-Oct-22 A		07-Mar-24													
UU-1052	15th Utilities monthly meeting		0	15-Dec-22		07-Mar-24		355											-
UU-1054	16th Utilities monthly meeting		0	21-Feb-23		09-May-24		355							•				
ESIGN AND	D ENGINEERING		101	16-Sep-22 A	20-Apr-23	21-Dec-22	27-Jun-23	55	0.00										
Permanent V	Norks Design & Engineering																		
DES - Kiosks			96	15-Dec-22	20-Apr-23	28-Feb-23	27-Jun-23	55	0.00										
DES-1228	DES - Prepare preliminary proposal submission		48	15-Dec-22	18-Feb-23	28-Feb-23	28-Apr-23	55											
DES-1230	DES - Prepare submission of design and drawin	gs	12	20-Feb-23	04-Mar-23	29-Apr-23	13-May-23	55								-			
DES-1232	DES - ICE checking and approval			06-Mar-23	18-Mar-23	15-May-23	29-May-23	55									_		
DES-1234	DES - Project Manager checking and approval			20-Mar-23	20-Apr-23	30-May-23	27-Jun-23	55											
			80	16.5co.22.4	01-00-22	21,00022	22.555.22		0.69										
	Norks Design & Engineering		59	15-Dec 22	01-Apr-23	21-Dec-22	22-May-23	38	0.00										
	ary Works for Bridges				1000		1.1		0.00										
	emp working platform for Bridge S7 over	r kai cheung Slip Roa		15-Dec-22	01-Apr-23	21-Dec-22	04-May-23	23	0.00										
DES-1324	DES - Prepare preliminary proposal submission			15-Dec-22	04-Feb-23	21-Dec-22	10-Feb-23	5											
DES-1326	DES - ICE checking and approval			06-Feb-23	04-Mar-23	04-Mar-23	31-Mar-23	23						-					
DES-1328	DES - Project Manager checking and approval; o works	consent to start the Portal	24	06-Mar-23	01-4pr-23	01-Apr-23	04-May-23	23											
Current Mil Actual Wor Critical Ren Remaining	ok maining Work	Central Ko	owloc				t (Mont ng Proç			Rev36- CSD)	Baseline: Layout: KT	KTE-WP36_M44 TE - 3 Months Rolling Pro K filters: 3 Months Rollin		ssion.	Date 25-4ug-22 25-Sep-22 25-Oct-22 25-Nov-22 15-Deo22	Submit CSL Submit CSL Submit CSL	Revision Programme Rev 3 Programme Rev 3 Programme Rev 3 Programme Rev 3	Swith MH1 Mon Swith MH2 Mon Swith M43 Mon	TYY TYY TYY

yID	Activity Name	Orig Dur Start	Finish	Late Start	Late Finish	Total Float	TRA (Day	43 13 20 27 04	4	45	29 05 12	19 28	05	47	28	48 12 (19	Ŧ
DES_T06 - Te	mp working platform for Bridge S2 & S8 over KF Rd & KC Rd	72 15-Dec-22	18-Mar-23	21-Dec-22	24-Mar-23	5	0.0						~~				1
DES-1330	DES - Prepare preliminary proposal submission	24 15-Dec-22	14-Jan-23	21-Dec-22	20-Jan-23	5											
DES-1332	DES - ICE checking and approval	24 16-Jan-23	18-Feb-23	21-Jan-23	24-Feb-23	5											
DES-1334	DES - Project Manager checking and approval; consent to start the Portal	24 20-Feb-23	18-Mar-23	25-Feb-23	24-Mar-23	5								_			
DES_T17 - EL	S Design for Bridge S8 - 8A-S8 to 8D-S8	72 15-Dec-22	18-Mar-23	22-Feb-23	22-May-23	50	0.0										
DES-1378	DES - Prepare preliminary proposal submission	36 15-Dec-22	04-Feb-23	22-Feb-23	04-Apr-23	50					-		1				
DES-1380	DES - ICE checking and approval	12 06-Feb-23	18-Feb-23	06-Apr-23	22-Apr-23	50											
DES-1382	DES - Project Manager checking and approval; consent to start the ELS works	24 20-Fab-23	18-Mar-23	24-Apr-23	22-May-23	50							+ +	_			
DES - Tempora	ary Works for Underpasses, Adit and Roads	24 16-Sep-22 A	24-Sep-22 A	03-Mar-23	03-Mar-23		0.0										
DES_T08 - Te	emp works for construction of Sign Gantries, Lighting Poles &	24 16-Sep-22 A	24-5ep-22 A	03-Mar-23	03-Mar-23		0.0										
DES-1394	DES - Project Manager checking and approval; consent to start the works	24 16-Sep-22 A	24-Sep-22 A	03-Mar-23	03-Mar-23												
CONSTRUCT	ION	1264 30-Od-19 A	20-0ul-23	08-Dec-22	24-Feb-26	769	604.0										
	orary Traffic Management Scheme																
	or Kai Cheung Road	106 11-Nov-22 A	29-Mar-23	09-Dec-22	20-Apr-23	15	0.0										
KCR-TTA-1A	TTA - Kai Cheung Road - Stage 1A (add TTA for 8A pile)	0 11-Nov-22 A		09-Dec-22													
KCR-TTA-U	TTA - Kai Cheung Road - U-Turn open to Public (Road Closure until 14 June	0 17-Feb-23		04-Mar-23		13					•						
KCR-TTA-2	2021) TTA - Kai Cheung Road - Stage 2	0 11-Mar-23		04-Mar-23	<u> </u>	-6							•				
KCR-TTA-U-1	TTA - Kai Cheung Road - Stage U-1 (Night works) (Span 7B to 7C)	0 29-Mar-23		20-Apr-23		15									•		
	or Kai Fuk Road	126 28-5ep-22 A	31-Mar-23	08-Dec-22	19-Jun-24	355	0.0										
KR-TTA-281	TTA - Kai Fuk Road - Stage 2B-1, (Night Work) (Span 1E to 15/7A-WB)	0 28-Sep-22 A	51110125	08-Dec-22	17 20121	555	0.0										
KFR-TTA-282	TTA - Kai Fuk Road - Stage 2B-2, (Night Work) (Span 1E to 1F/7A-EB)	0 15-Ort-22 A		08-Dec-22													
KR-TTA-202	TTA - Kai Fuk Road - Stage 2C, (Night Work) (Span 2A to 2B)	0 06-Feb-23		11-Feb-23		5					_						
KR-TTA-2D		0 06-Feb-23		11-Feb-23		5					1						
KR-TTA-1	TTA - Kai Fuk Road - Stage 2D, (Night Work) (Span 2B to 2C)	0 06-H80-23		08-Mar-23													
	TTA - Kai Fuk Road - Stage 4 (KFR westbound to connect KCR Stage 2)					-3							1	_			
KFR-TTA-4.1A	TTA - Kai Fuk Road - Stage 4.1A (KFR Eastbound - with on-street bus stop)	0 17-Mar-23		25-Mar-23		7											
KFR-TTA-4.1B	TTA - Kai Fuk Road - Stage 4.18 (KFR Eastbound - 4 nos of tree to be fell; subject to TPRT proposal)	0 31-Mar-23		19-Jun-24		355									•		
	II the Works of the Site, except Section 2 to 17	631 23-Dec-21 A															
Sch_1 Prelimi		109 19-Sep-22 A		09-Dec-22	10-Jun-23	73	0.0										
Site Establish		109 19-Sep-22 A		09-Dec-22	10-Jun-23	73	0.0										
	lorks for Early Commencement of 8A Pilling Works	109 19-Sep-22 A		09-Dec-22	10-Jun-23	73	0.0										
1-1610	8A - Traffic Deck - erection of steel strut and sheetpile deck	24 30-Sep-22 A			09-Dec-22												
1-1612	8A - Traffic Deck - temp road diversion at KCR	6 08-Nov-22 A	11-Nov-22 A	09-Dec-22	09-Dec-22												
1-1611	8A - completion of 1G, RWS1 (Bay 1-3) and baddfill	0 08-Nov-22 A		09-Dec-22													
Temp Pilling	Platform for 8A Pilling Works																
1-1620	8A - Piling platform - installation of concrete blk wall and baddfill	10 19-Sep-22 A	04-Nov-22 A	09-Dec-22	09-Dec-22												
1-1614	8A - Piling platform - Mobilisation; site dearance; trial pit	6 08-Nov-22 A	16-Nov-22 A	09-Dec-22	09-Dec-22												
1-1616	8A - Pilling platform - Instal sheeplies	8 17-Nov-22 A	22-Nov-22 A	09-Dec-22	09-Dec-22			-									
Current Ida	letroe								Designation	PTT WD98 1444		Date		Ravision		Checked	
Actual Wor	* Central K	owloon Rou	te - Kai	Tak Eas	st (Mont	h 44	Upda	te) (Rev36- CSD)	Baseline:	: KTE-WP36_M44		25-Aug-22 25-Sep-22	Submit CSD) Programme Re) Programme Re	33with M41 Mc	n TYY	D
Citical Ren Remaining	naning Work				ing Prog					TE - 3 Months Rolling Programme SK filters: 3 Months Rolling_1, KTE - 5	Submission	25-0d-22 25-Nov-22	Submit CSD) Programme Rø) Programme Rø	/ SSwith M43 Mc	n TYY	0
									Filler: LAC	as mena, a monuta shunnig_1, NTE - a	Autornio Stutt.	15-Dec-22	Submit CSD	Programs Pro	38wih M44 Ma	n. TYY	1

1-1622 1-1624 1-1626 h_3.1 Bridge 52 1 - Deck 51 - Span 1A-1E 3.1-2366 51 - Span 1E-1D 3.1-2386	SI - Span 1A-1E Remove Falsework & Farmwork	0 10 42 153 17 12 12 6 6 6	14-Jan-23 14-Jan-23 14-Jan-23 22-Od-22 A 22-Od-22 A	08-Nov-22 A 08-Nov-22 A	19-Apr-23	09-Dec-22 10-Jun-23 03-Mar-23 19-Jul-24 19-Apr-23 19-Apr-23	-6 105 -6 365	8.0			12 19 26	05 12	19 26	uz	4
1-1624 1-1626 h_3.1 Bridge S1 1 - Deck S1 - Span 1A-1E 3.1-2366 S1 - Span 1E-1D 3.1-2386	Al - Pring platform - occ to 7.5mPD for BA pile cap and RW OCK- BA - Pring platform - partial baddling for TTA OCR stage 2 (levice et ELS) (DRR) and road works 1 Works S1 - Span 1A-1E Remove Followersk & Formwork S1 - Span 1E-1D Remove Followersk & Formwork	10 42 153 17 12 12 6 6 6	 14-Jan-23 14-Jan-23 22-Od+22 A 22-Od+22 A 22-Od+22 A 22-Od+22 A 	10-Mar-23 22-Apr-23 15-Deo-22 A 08-Nov-22 A 08-Nov-22 A	31-May-23 07-Jan-23 19-Apr-23 19-Apr-23 19-Apr-23	03-Mar-23 19-Jul-24 19-Apr-23	105	8.0		•					
1-1626 h_3.1 Bridge S1 1 - Deck il - Span 1A-1E 3.1-2366 il - Span 1E-1D 3.1-2386	84 - Piling platform - partial baddling for TTA CXR stage 2 (review et ELS) (DRV) and road works 1 Works S1 - Span 1A-1E Remove Followardk & Romwork S1 - Span 1E-1D Remove Followardk & Romwork	42 153 17 12 12 6 6	14-Jan-23 22-Od-22 A 22-Od-22 A 22-Od-22 A 22-Od-22 A	10-Mar-23 22-Apr-23 15-Deo-22 A 08-Nov-22 A 08-Nov-22 A	07-Jan-23 19-Apr-23 19-Apr-23 19-Apr-23	03-Mar-23 19-Jul-24 19-Apr-23	-6	8.0							
h_3.1 Bridge S1 1 - Deck 51 - Span 1A-1E 3.1-2366 51 - Span 1E-1D 3.1-2386	(DRV) and incid works 1 Works S1 - Span IA-1E Remove Fellewerk & Romwork S1 - Span IE-1D Remove Fellework & Romwork	153 17 12 12 6 6	22-Od-22 A 22-Od-22 A 22-Od-22 A 22-Od-22 A 22-Od-22 A	22-Apr-23 15-Deo-22 A 08-Nov-22 A 08-Nov-22 A	19-Apr-23 19-Apr-23 19-Apr-23	19-Jul-24 19-Apr-23		8.0							
h_3.1 Bridge S1 1 - Deck 51 - Span 1A-1E 3.1-2366 51 - Span 1E-1D 3.1-2386	1 Works SI - Span 1A-LE Remove Falework & Formvork SI - Span 1E-LD Remove Falework & Formvork	17 12 12 6 6	22-0d-22 A 22-0d-22 A 22-0d-22 A	15-Dec-22 A 08-Nov-22 A 08-Nov-22 A	19-Apr-23 19-Apr-23	19-Apr-23	365	8.0							
51 - Span 1A-1E 3.1-2366 51 - Span 1E-1D 3.1-2386	S1 - Span 14-1E Remove Falsework & Formwork S1 - Span 1E-1D Remove Falsework & Formwork	12 12 6	22-0d-22 A 22-0d-22 A	08-Nov-22 A 08-Nov-22 A	19-Apr-23										
3.1-2366 51 - Span 1E-1D 3.1-2386	S1 - Span 14-1E Remove Falsework & Formwork S1 - Span 1E-1D Remove Falsework & Formwork	12 6 6	22-Oct-22 A	08-Nov-22 A		19-Apr-23		0.0	1						
51 - Span 1E-1D 3.1-2386	S1 - Span 1E-1D Remove Falsework & Formwork	6			10.App.22			0.0)						
51 - Span 1E-1D 3.1-2386	S1 - Span 1E-1D Remove Falsework & Formwork	6	23-Nov-22 A			19-Apr-23		0.0)						
3.1-2386	S1 - Span 1E-1D Remove Falsework & Formwork			15-Dec-22 A	19-Apr-23	19-Apr-23		0.0							
			23-Nov-22 A	15-Dec-22 A	19-Apr-23	19-Apr-23		0.0							
			06-5eb-23	22-4pr-23	03-Jan-24	19-14-24	365	8.0							
	BEM - S1 - Install Profile barrier / Parapet Wall / Planter / TCSS duct (L)		06-Feb-23	15-Mar-23		09-Feb-24	270	5.0							
					03-Jan-24			5.4	,						
	S1 - End wall construction (Abutment)		11-Mar-23	12-Apr-23	11-Jun-24	09-Jul-24	365								-
	S1 - Movement Joint	12		29-Mar-23	25-Jun-24	09-Jul-24	373	2.0							
	S1 - Road pavement (Base Course)		13-Apr-23	22-Apr-23	10-Jul-24	19-Jul-24	365	1.0							
h_3.2 Bridge S	2 Works	295	19-May-22 A	26-4pr-23	09-Dec-22	19-Jun-23	44	37.0							
2 - Piling Works	s	58	25-Nov-22 A	10-Feb-23	09-Dec-22	19-Jun-23	104	2.0							
Ning Works - Pie	er P-8A	58	25-Nov-22 A	10-Feb-23	09-Dec-22	19-Jun-23	104	2.0)						
3.2-2523	S2 - Mobilisation	6	25-Nov-22 A	01-Dec-22 A	09-Dec-22	09-Dec-22									
3.2-2524	S2 - Bored Piles for 8A (1nr) {Left-in casing)	43	02-Dec-22 A	06-Jan-23	09-Dec-22	29-Dec-22	-6	2.0							
3.2-2526	S2 - 8A Proof drilling & Piles testing	24	07-Jan-23	10-Feb-23	22-May-23	19-Jun-23	104	0.0	j						
3.2-2525	S2 - Demobilisation	6	07-Jan-23	13-Jan-23	30-Dec-22	06-Jan-23	-6								
2 - Pile Caps, Pie	ier / Abutment	287	19-May-22 A	17-Apr-23	20-Dec-22	16-Jun-23	50	21.0)						
ier 2A		29	03-Sep-22 A	20-Dec-22	20-Dec-22	24-Dec-22	4	3.0							
3.2-2540	S2 - Construct Pier P-2A (3 Lifts)	29	03-Sep-22 A	20-Dec-22	20-Dec-22	24-Dec-22	4	3.0							
vier 28		29	19-May-22 A	22-Dec-22	24-Dec-22	04-Jan-23	8	3.0							
3.2-2550	S2 - Construct: Pier P-2B (3 Lifts)	29	19-May-22 A	22-Dec-22	24-Dec-22	04-Jan-23	8	3.0							
Ner 2DL/2DR		39	18-Oct-22 A	23-Dec-22	05-May-23	02-Jun-23	123	6.0) · · · · · · · · · · · · · · · · · · ·						
	S2 - Construct Pier P-2DR (3 Lifts)	29	18-Od-22 A	23-Dec-22	24-May-23	02-Jun-23	123	3.0)						
	S2 - Construct Pier P-2DL (3 Lifts)		18-Oct-22 A	16-Dec-22	05-May-23	06-May-23	107	3.0							
her 2EL/2ER			06-Jun-22 A	20-Feb-23	24-Feb-23	26-Apr-23	52	5.0							
	S2 - Construct Pier P-2EL (3 Lifts)		06-Jun-22 A	20-Jan-23	24-Feb-23	20-Mar-23	52	3.0							
	S2 - Construct Pier P-2EL (3 Litts) S2 - Construct Pier P-2ER (2 Lifts)		18-Jul-22 A	20-Jan-23 20-Feb-23	24-Heb-23 30-Mar-23	29-Mar-23	52	2.0							
	as - construct rist PriZEK (2 LII b)														
Abutment 2F			14-Jan-23	13-Feb-23	09-Feb-23	03-Mar-23	16	0.0			_				
	S2 - Construct Abutment A-2F (final pour)		14-Jan-23	13-Feb-23	09-Feb-23	03-Mar-23	16								
her 8A			20-Mar-23	17-Apr-23	23-May-23	16-Jun-23	50	4.0							
	S2 - Install sheetpile for pile cap 8A		20-Mar-23	24-Mar-23	23-May-23	29-May-23	50	1.0							
3.2-2606	S2 - Excavation down to formation level C-8A	11	25-Mar-23	11-4pr-23	30-May-23	10-Jun-23	50	2.0						1	
Current Infestore Actual Work Otical Remaining Remaining Work	Central K	owlo				st (Mont ing Pro			ite) (Rev36- CSD)	Project ID: KTE-WP36 M44 Baseline: Layout: KTE - 3 Months Rolling Programme Filter: TASK filters: 3 Months Rolling_1, KTE - Submission.	Date 254up-22 2558p-22 2554cz 2554cz 15-Dec-22	Submit CSD Progra Submit CSD Progra Submit CSD Progra Submit CSD Progra Submit CSD Progra	mme Rev 33with M mme Rev 34with M mme Rev 35with M	40 Mon TVY 41 Mon TVY 42 Mon TVY 43 Mon TVY	

pane pike head (1 m) C-RA (storgen 1) 10 A 243 formworks on tamp alad dock an 2A-283 formworks on tamp alad dock an 2A-284 formworks on tamp alad dock an 2A-284 (b) Web and Soffit (storgen 2) an 28 ho 2C Extent Staff Potal (over Kid Cheung Road) Najnt works (6) an 28 ho 2C Extent Staff Potal (over Kid Cheung Road) Najnt works (6) an 28 ho 2C Extent Staff Potal (over Kid Cheung Road) Najnt works (6) an 28 ho 2C Extent Staff Potal (over Kid Cheung Road) Najnt works (6) an 28 ho 2C Extent Staff Potal (over Kid Cheung Road) Day works an 28-26240) Web and Soffit (Petform over KCR (Loop Road) Petform over KCR (Loop Road) an 2A ho 2C temp pattern - constatut RC footing and exet steel tower Ref. (DRM) an 2A ho 2C temp pattern - temp aled dock (H1-420) an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork an 2A ho 2C temp pattern - temp aled dock (H2-45) - rightwork temp	12 20 % 0 ~ 23 14 06 4 p ~ 32 17 31 % 0 ~ 23 17 31 % 0 ~ 23 18 21 0 ~ 0 ~ 23 18 21 0 ~ 0 ~ 23 18 30 ~ 0 ~ 23 19 30 ~ 0 ~ 23 10 30 ~ 0 ~ 23 11 30 ~ 0 ~ 23 10 17 3 ~ 30 ~ 0 ~ 23 10 17 3 ~ 30 ~ 0 ~ 23 10 17 3 ~ 30 ~ 0 ~ 23 10 17 3 ~ 23 ~ 0 ~ 23 10 11 ~ 40 ~ 23	174pr23 264pr23 264pr23 264pr23 264pr23 264pr23 264pr23 264pr23 264pr23 264pr23 264pr23 244pr23 244pr23 134pr23 134pr23 134pr23 134pr23 134pr23 134pr23 134pr23 163ur23 203ur23 10ftb23	12-Jun-23 28-0ec-22 21-Feb-23 21-Feb-23 21-Feb-23 21-Feb-23 22-Feb-23 22-Feb-23 25-Har-23 25-Har-23 24-Har-23 24-Har-23 24-Har-23 24-Har-23 24-Har-23 24-Har-23 24-Har-23 24-Har-23 28-0ec-22 28-0ec-22 28-0ec-22 05-Jan-23 05-Jan-23 02-Feb-23	16-Jun-23 02-May-23 02-May-23 19-40-23 13-Mar-23 23-Mar-23 02-May-23 19-40-23 02-May-23 19-40-23 19-40-23 19-40-23 19-40-23 00-46-23 00-46-23	Fileat 50 4 4 4 4 4 6 5 5 6 -5 6 -5 6 -3 4 8 4	13 1.00 14.00 4.00 2.00 4.00 2.00 2.00 2.00 2.00
an 24-28 fermunotis on tamp sted dick: an 24-28 fermunotis on tamp sted dick: (stoppe 2) an 24-28(1), Web and Sofft (stoppe 2) an 24b to 2C temp Sted Portal (over Kal Chaung Road) Night works (b) an 24b to 2C feterouskin and formunoks (stoppe 1) an 24-28(1), Web and Sofft (Platform over KCR (Loop Road) an 24b 25 Centro pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse)	55 16+86-23 16 16+86-23 16 16+86-23 16 13-488-23 17 93-697-23 18 20-488-23 11 20-488-23 12 20-488-23 14 66-697-33 17 31-488-23 18 21-088-23 19 31-488-23 10 21-088-23 18 21-088-23 18 20-088-22 18 20-088-22 16 21-388-23 16 21-388-23 16 21-388-23 16 21-388-23 16 21-388-23 16 21-388-23 16 21-388-23 16 21-388-23 16 21-388-23 16 21-388-23 16 21-388-23	264pr23 264pr23 264pr23 264pr23 264pr23 264pr23 014pr23 014pr23 254pr23 244pr23 244pr23 134pr23 134pr23 134pr23 134pr23 134pr23 164pr23	21-feb23 21-feb23 21-feb23 17-Mar23 22-feb23 22-feb23 22-feb23 22-feb23 22-feb23 28-Mar23 24-Mar23 24-Mar23 24-Mar23 24-Mar23 24-Mar23 28-Dec22 28-Dec22 05-Jan23	02-May23 11-4-0r-23 11-4-0r-23 12-Mar-23 12-Mar-23 12-Mar-23 11-4-0r-23 11-4-0r-23 12-Mar-23 12-Mar-23 12-Mar-23 10-4-0r-23 10-4-0r-23 10-4-0r-23	4 -6 -4 -6 -5 -5 -6 -6 -6 -6	12.00 8.00 2.00 2.00 2.00 2.00 2.00 2.00
an 24-28 fermunotis on tamp sted dick: an 24-28 fermunotis on tamp sted dick: (stoppe 2) an 24-28(1), Web and Sofft (stoppe 2) an 24b to 2C temp Sted Portal (over Kal Chaung Road) Night works (b) an 24b to 2C feterouskin and formunoks (stoppe 1) an 24-28(1), Web and Sofft (Platform over KCR (Loop Road) an 24b 25 Centro pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse)	5 16+64-23 18 16+64-23 14 13-Mar-23 12 03-69-23 14 20-Mar-23 12 20-Mar-23 12 20-Mar-23 12 20-Mar-23 13 14-62-23 14 20-Mar-23 15 31-Mar-23 16 21-0e-22 18 21-0e-22 18 22-0e-22 16 23-0e-22 16 21-3e-23 16 21-3e-23 16 21-3e-23 16 21-3e-23 16 21-3e-23	26-4pr23 08-4a-23 18-4a-23 26-4pr23 25-4pr23 01-4pr23 25-4pr23 24-4pr23 24-4pr23 13-3pr23 13-3pr23 16-3pr23 20-3pr23 20-3pr23 10-feb-23	21.460-23 21.460-23 27.460-23 27.460-23 25.460-23 25.460-23 28.460-23 24.460-23 24.460-23 24.460-23 24.460-23 28.060-22 28.060-22 28.060-22 05.360-23 05.360-23	19-40-23 13-Mar-23 23-Mar-23 19-40-23 19-40-23 19-40-23 14-40-23 14-40-23 14-40-23 17-40-23 17-40-23 17-40-23 18-3n-23 06-40-23 01-760-23 01-760-23 01-760-23 01-760-23 01-760-23	-6 4 4 -6 5 5 7 5 -6 -6 -6	8.00 4.00 2.00 4.00 2.00 2.00 2.00 2.00 2
an 24-28 fermunotis on tamp sted dick: an 24-28 fermunotis on tamp sted dick: (stoppe 2) an 24-28(1), Web and Sofft (stoppe 2) an 24b to 2C temp Sted Portal (over Kal Chaung Road) Night works (b) an 24b to 2C feterouskin and formunoks (stoppe 1) an 24-28(1), Web and Sofft (Platform over KCR (Loop Road) an 24b 25 Centro pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse) an 24b to 2C temp pation - constant RC footing and enet steel tome per jourse)	6 1348423 12 0349423 21 2049423 12 2049423 14 2049423 12 2049423 14 6649433 17 3149423 18 210642 19 3149423 20 3149423 20 3149423 10 3149423 10 3149423 10 2049423 114 2049423 100 2049423 114 2049423 100 2049423 101 2104423 102 2104423 103 2104423 104 2134723 105 2134723 106 2134723 106 2134723 106 2134723	18/4ar/23 26-54pr/23 25-54pr/23 01-54pr/23 01-54pr/23 25-54pr/23 24-54pr/23 24-54pr/23 24-54pr/23 13-54pr/23 13-54pr/23 15-54pr/23 15-54pr/23	17-Mar-23 27-Mar-23 25-Mar-23 25-Mar-23 28-Mar-23 28-Mar-23 24-Mar-23 24-Mar-23 24-Mar-23 28-Dec-22 28-Dec-22 28-Dec-22 05-Jan-23 05-Jan-23	23-44x-23 19-40r-23 02-45y-23 14-40r-23 14-40r-23 14-40r-23 02-445y-23 17-40r-23 17-40r-23 17-40r-23 18-30r-23 01-45b-23	4 -6 5 7 5 -6 -6	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
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an 2A-261 Instal Renings an 2A-261(), Veda and Sofft. (Storge 2) an 2R base 2CE Best Sheef Portal (over Kal Chaung Road) Najnt works (6) an 2R base 2CE Best Sheef Portal (over Kal Chaung Road) Najnt works an 2R and 2R and Sofft. (Storge 1) an 2A-261(0) Web and Sofft. (Patterm over KCR (Loop Road)) an 2A-261(0) Web and Sofft. (Patterm over KCR (Loop Road)) an 2A base 2CE map patterm - constaut RC facting and exet sheet hower sheet. (Storge 1) an 2A base 2CE map patterm - constaut RC facting and exet sheet hower sheet. (Storge 1) an 2A base 2CE map patterm - terms sheet dock (KL1442) an 2A base 2CE map patterm - terms sheet dock (KL2443) - nightwork an 2A base 2CE map patterm - terms sheet dock (KL2443) - nightwork	6 1348423 12 0349423 21 2049423 12 2049423 14 2049423 12 2049423 14 6649433 17 3149423 18 210642 19 3149423 20 3149423 20 3149423 10 3149423 10 3149423 10 2049423 114 2049423 100 2049423 114 2049423 100 2049423 101 2104423 102 2104423 103 2104423 104 2134723 105 2134723 106 2134723 106 2134723 106 2134723	18/4ar/23 26-54pr/23 25-54pr/23 01-54pr/23 01-54pr/23 25-54pr/23 24-54pr/23 24-54pr/23 24-54pr/23 13-54pr/23 13-54pr/23 13-54pr/23 15-54pr/23 10-ftb/23	17-Mar-23 27-Mar-23 25-Mar-23 25-Mar-23 28-Mar-23 28-Mar-23 24-Mar-23 24-Mar-23 24-Mar-23 28-Dec-22 28-Dec-22 28-Dec-22 05-Jan-23 05-Jan-23	23-44x-23 19-40r-23 02-45y-23 14-40r-23 14-40r-23 14-40r-23 02-445y-23 17-40r-23 17-40r-23 17-40r-23 18-30r-23 01-45b-23	5 5 7 5 -6 -6	2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00
an 2A-20(L) Web and Soft (Stage 2) an 28 to 2C Exet Steef Potel (over Kal Chaung Road) Night works an 28 to 2C Exet Steef Potel (over Kal Chaung Road) Day works an 28-2C Released and formunde (Stage 1) an 2A-20(R) Web and Soft (Platform over KCR (Laop Road) an 2A-20(R) Web and Soft (Platform over KCR (Laop Road) an 2A-20(R) Unit and Soft (Platform over KCR (Laop Road) an 2A 20(R) Cetro patient - constant RC footing and exet steef tower By (Stage 1) an 2A 20(R) Cetro patient - constant RC footing and exet steef tower By (Stage 1) an 2A 20(R) Cetro patient - constant RC footing and exet steef tower By (Stage 1) an 2A to 2C tomp patient - constant RC footing and exet steef tower By (Stage 1) an 2A to 2C tomp patient - constant RC footing and exet steef tower By (Stage 1) an 2A to 2C tomp patient - constant RC footing and exet steef tower By (Stage 1) an 2A to 2C tomp patient - constant RC footing and exet steef tower By (Stage 1) an 2A to 2C tomp patient - constant RC footing and exet steef tower By (Stage 1) an 2A to 2C tomp patient - constant RC footing and exet steef tower By (Stage 1) an 2A to 2C tomp patient - torng steed das(H2(2A+11) (CR4H) an 2A to 2C tomp patient - torng steed das(H2(2A+11) - rightwork	12 03-60-23 21 20-Marc32 14 20-Marc33 12 20-Marc33 14 66-Apr-33 17 31-Marc33 18 21-Osc22 18 21-Osc22 18 21-Osc22 19 30-Osc22 10 73-Marc33 10 21-Osc22 116 21-Osc22 116 21-Sarc32 116 21-Sarc32	26-Apr-23 25-Apr-23 04-Apr-23 01-Apr-23 25-Apr-23 24-Apr-23 24-Apr-23 13-Apr-23 13-Apr-23 13-Jan-23 16-Jan-23 20-Jan-23 10-Ptb-23	27+1ir-23 25+1ir-23 25+1ir-23 28+1ir-23 28+1ir-23 24+1ir-23 24+1ir-23 24+1ir-23 28-0ec-22 28-0ec-22 28-0ec-22 05-1ir-23 05-1ir-23	19-Apr-23 02-May-23 14-Apr-23 14-Apr-23 14-Apr-23 02-May-23 17-Apr-23 17-Apr-23 17-Apr-23 06-Apr-23 18-Jan-23 01-Fab-23	5 5 7 5 -6 -6	2.00 4.00 2.00 2.00 2.00 2.00
(Singer 2) an 28 to 2C Elect Sted Protel (over Kid Cheung Road) Nejnit works (6) an 28 to 2C Electration Steat Portel (over Kid Cheung Road) Day works an 28-2C Felsevoir and formworks (Corport 1) an 24-20(R) Web and Sofft (Pattorn over KCR (Loop Road)) an 24-20(R) Pattorn over KCR (R) (Pattorn over	2 20+6x-23 14 20+9x-23 12 20+9x-23 14 06-4p-23 17 31+9x-23 17 31+9x-23 18 21-0x-22 18 21-0x-22 18 30-9x-22 19 17-3x-23 10 21-3x-23 11 11+9x-23	25 Apr23 04 Apr23 01 Apr23 01 Apr23 25 Apr23 24 Apr23 24 Apr23 13 Apr23 13 Apr23 13 - 3 Apr23 16 - 3 Apr23 20 - 3 Apr23 10 - 3 Apr23 20 - 3 Apr23 20 - 3 Apr23 20 - 3 Apr23	25-Mar-23 25-Mar-23 28-Mar-23 15-Apr-23 24-Mar-23 24-Mar-23 24-Mar-23 28-Dec-22 28-Dec-22 05-Jan-23	02.45y-23 14.4pr23 14.4pr23 02.45y-23 17.4pr23 17.4pr23 17.4pr23 06.4pr23 06.4pr23 01.4tb-23 01.4tb-23	5 5 7 5 -6 -6	4.00 2.00 2.00 2.00 2.00 2.00
an 28 to 2C Elect Sted Potal (over Ki Cheung Road) Najnt works (6) an 28 to 2C fabroadon Sted Potal (over Ki Cheung Road) Day works an 28-b 2C fabroadon Sted Potal (over Ki Cheung Road) Day works an 28-b2 Fabroadon Sted Potal (over Ki Cheung Road) Day works an 28-b2 Fabroadon Sted Ford (over Ki Cheung Road) an 24-b2890 Web and Sofft Pattern over KCR (Loop Road) an 24-b2890 Web and Sofft Pattern over KCR (Loop Road) an 24-b2 Cemp pattern - constut RC footing and enet deed tower an 24-b2 20 cmp pattern - tornstut RC footing and enet deed tower an 24-b2 2C temp pattern - tornstut RC footing and enet deed tower an 24-b2 b2 Cemp pattern - tornstut RC footing and enet deed tower an 24-b2 b2 Cemp pattern - tornstut RC footing and enet deed tower an 24-b2 b2 Cemp pattern - tornstut RC footing and enet deed tower an 24-b2 b2 Cemp pattern - tornstut RC footing and enet deed tower an 24-b2 b2 Cemp pattern - tornstut RC footing and enet deed tower an 24-b2 b2 Cemp pattern - tornstut RC footing and enet deed tower an 24-b2 b2 Cemp pattern - tornstut RC footing and enet deed tower an 24-b2 b2 Cemp pattern - tornstut RC footing and enet deed tower an 24-b2 b2 Cemp pattern - tornstut RC footing and enet deed tower an 24-b2 b2 Cemp pattern - tornstut RC footing and enet deed tower	12 20 % 0 ~ 23 14 06 4 p ~ 32 17 31 % 0 ~ 23 17 31 % 0 ~ 23 18 21 0 ~ 0 ~ 23 18 21 0 ~ 0 ~ 23 18 30 ~ 0 ~ 23 19 30 ~ 0 ~ 23 10 30 ~ 0 ~ 23 11 30 ~ 0 ~ 23 10 17 3 ~ 30 ~ 0 ~ 23 10 17 3 ~ 30 ~ 0 ~ 23 10 17 3 ~ 30 ~ 23 10 17 3 ~ 23 ~ 23 10 11 ~ 40 ~ 23	01-4pr23 25-4pr23 24-4pr23 24-4pr23 24-4pr23 13-4pr23 13-4pr23 13-3pr23 16-3pr23 20-3pr23 10-ftb-23	28-Mar-23 15-Apr-23 24-Mar-23 24-Mar-23 24-Mar-23 28-Dec-22 28-Dec-22 05-Jan-23	14-Apr23 02-May-23 17-Apr23 17-Apr23 17-Apr23 06-Apr23 18-Jan-23 01-Feb-23 01-Feb-23	7 5 -6 -6	2.00 2.00 2.00 2.00
an 28 to 26 fabrication State Portal (ver Kat Cheaning Road) Day works an 78-26 Fabraucia and formunoide (1990) 1 (1990)	12 20 % 0 ~ 23 14 06 4 p ~ 32 17 31 % 0 ~ 23 17 31 % 0 ~ 23 18 21 0 ~ 0 ~ 23 18 21 0 ~ 0 ~ 23 18 30 ~ 0 ~ 23 19 30 ~ 0 ~ 23 10 30 ~ 0 ~ 23 11 30 ~ 0 ~ 23 10 17 3 ~ 30 ~ 0 ~ 23 10 17 3 ~ 30 ~ 0 ~ 23 10 17 3 ~ 30 ~ 23 10 17 3 ~ 23 ~ 23 10 11 ~ 40 ~ 23	01-4pr23 25-4pr23 24-4pr23 24-4pr23 24-4pr23 13-4pr23 13-4pr23 13-3pr23 16-3pr23 20-3pr23 10-ftb-23	28-Mar-23 15-Apr-23 24-Mar-23 24-Mar-23 24-Mar-23 28-Dec-22 28-Dec-22 05-Jan-23	14-Apr23 02-May-23 17-Apr23 17-Apr23 17-Apr23 06-Apr23 18-Jan-23 01-Feb-23 01-Feb-23	7 5 -6 -6	2.00 2.00 2.00 2.00
an 78-72 Fellework and formworks (Stoge 1) (Stoge 1) Plefform over KCR (Loop Rood) an 32 ho 2 (comp plefform - constut RC footing and exit sited tower and 34 ho 2 (comp plefform - constut RC footing and exit sited tower and 34 ho 2 (comp plefform - constut RC footing and exit sited tower and 34 ho 2 (comp plefform - constut RC footing and exit sited tower an 34 ho 32 comp plefform - constut RC footing and exit sited tower an 34 ho 32 comp plefform - constut RC footing and exit sited tower an 34 ho 32 comp plefform - constut RC footing and exit sited tower an 34 ho 32 comp plefform - constut RC footing and exit sited tower an 34 ho 32 comp plefform - constut RC footing and exit sited tower an 34 ho 32 comp plefform - constut RC footing and exit sited tower an 34 ho 32 comp plefform - constut RC footing and exit sited tower an 34 ho 32 comp plefform - constut RC footing and exit sited tower an 34 ho 32 comp plefform - constut RC footing and exit sited tower an 34 ho 32 comp plefform - tomp sited exit (Hot P45) - nightwork	14 664pr-33 12 31-96ar-23 13 31-96ar-23 14 31-96ar-23 15 21-96ar-23 16 23-96ar-23 16 21-97ar-23 16 21-97ar-23 16 21-97ar-23 16 21-97ar-23 17 31-97ar-23 18 11-96ar-23	25-4pr-23 24-4pr-23 24-4pr-23 24-4pr-23 13-4pr-23 13-3pr-23 13-3pr-23 16-3pr-23 20-3pr-23 10-Ftb-23	15-Apr-23 24-Mar-23 24-Mar-23 24-Mar-23 28-Dec-22 28-Dec-22 05-Jan-23 05-Jan-23	02-May-23 17-Apr-23 17-Apr-23 17-Apr-23 06-Apr-23 18-Jan-23 01-Fab-23 01-Fab-23	- -6 -6	2.00 2.00 2.00
(Stoge 1) an 2A-28(%) Web and Soffit Platform over KCR (Loop Rood) an 2A to 2C temp pattorn - constant RC footing and end steal three an 2A to 2C temp pattorn - constant RC footing and end steal three pathols 2K for pattorn - temp and dock (M1+K2) an 2A to 2C temp pattorn - temp steal dock (M1+K2) an 2A to 2C temp pattorn - temp steal dock (M2+K2) an 2A to 2C temp pattorn - temp steal dock (M2+K2) an 2A to 2C temp pattorn - temp steal dock (M2+K2) an 2A to 2C temp pattorn - temp steal dock (M2+K2) - ing/throws	12 31-War-23 12 31-War-23 13 31-War-23 14 21-Dec-22 16 21-Dec-22 16 21-Dac-22 16 21-Dac-22 16 21-Dac-22 16 21-Dac-23 16 21-Jac-23 18 11-War-23	24-Apr-23 24-Apr-23 24-Apr-23 13-Apr-23 13-Jan-23 16-Jan-23 20-Jan-23 10-Feb-23	24-Mar-23 24-Mar-23 24-Mar-23 28-Dec-22 28-Dec-22 05-Jan-23 05-Jan-23	17-Apr23 17-Apr23 17-Apr23 06-Apr23 18-Jan23 01-Fib-23 01-Fib-23	- -6 -6	2.00 2.00 2.00
an 2A-2R(4) Web and Sofft (Platform over KCR (Loop Rood)) an 2A to 2C temp pattern - construit RC footing and erect direct tower RM (2000) 20 period an 2A to 2C temp pattern - construit RC footing and erect direct tower and 2A to 2C temp pattern - temp direct direct (2A441) (DRH) an 2A to 2C temp pattern - temp direct direct (2A441) (DRH) an 2A to 2C temp pattern - temp direct direct (2A441) (DRH) an 2A to 2C temp pattern - temp direct direct (2A441) (DRH) an 2A to 2C temp pattern - temp direct direct (2A441) (DRH)	17 3149ar23 17 3149ar23 85 210xx22 18 210xx22 18 300xx22 16 173ar23 16 213xx23 18 11×9x23 18 11×9x23	24-Apr-23 24-Apr-23 13-Apr-23 13-Jan-23 16-Jan-23 20-Jan-23 10-Feb-23	24-Mar-23 24-Mar-23 28-Dec-22 28-Dec-22 05-Jan-23 05-Jan-23	17-Apr-23 17-Apr-23 06-Apr-23 18-Jan-23 01-Fib-23 01-Fib-23	-6 -6	2.00 2.00
an 2A-2R(4) Web and Sofft (Platform over KCR (Loop Rood)) an 2A to 2C temp pattern - construit RC footing and erect direct tower RM (2000) 20 period an 2A to 2C temp pattern - construit RC footing and erect direct tower and 2A to 2C temp pattern - temp direct direct (2A441) (DRH) an 2A to 2C temp pattern - temp direct direct (2A441) (DRH) an 2A to 2C temp pattern - temp direct direct (2A441) (DRH) an 2A to 2C temp pattern - temp direct direct (2A441) (DRH) an 2A to 2C temp pattern - temp direct direct (2A441) (DRH)	17 31-Mar-23 85 21-Dac-22 18 21-Dac-22 18 23-Dac-22 18 30-Dac-22 16 17-Jan-23 16 21-Jac-23 18 1-Mar-23	24-Apr-23 13-Apr-23 13-Jan-23 16-Jan-23 20-Jan-23 10-Fdb-23	24-Mar-23 28-Dec-22 28-Dec-22 05-Jan-23 05-Jan-23	17-Apr-23 06-Apr-23 18-Jan-23 01-Fid>-23 01-Fid>-23		
Platform over KCR (Loop Rood) an 2A to 2C temp platform - construit RC footing and erect sited tower RMI 20 plation - and blatform - construit RC footing and erect sited tower and 2A to 2C temp platform - temp sited dock (ML-M2) an 2A to 2C temp platform - temp sited dock (ML-M2) an 2A to 2C temp platform - temp sited dock (ML-M2) an 2A to 2C temp platform - temp sited dock (ML-M2) an 2A to 2C temp platform - temp sited dock (ML-M2) an 2A to 2C temp platform - temp sited dock (ML-M2)	85 21-Dec22 18 21-Dec22 18 23-Dec22 18 30-Dec22 16 17-Jan-23 16 21-Jan-23 18 11-Mar-23	13-Apr23 13-Jan-23 16-Jan-23 20-Jan-23 10-Feb-23	28-Dec-22 28-Dec-22 05-Jan-23 05-Jan-23	06-Apr-23 18-Jan-23 01-Feb-23 01-Feb-23		
an 2A to 2C temp pattorm - construit RC footing and erect sited tower RM() RM() 220 pier) 220 pier) RM(18 21-Dec-22 18 23-Duc-22 18 30-Dec-22 16 17-Jan-23 16 21-Jan-23 18 11-Mar-23	13-Jan-23 16-Jan-23 20-Jan-23 10-Feb-23	28-Dec-22 05-Jan-23 05-Jan-23	18-Jan-23 01-Feb-23 01-Feb-23	-3 4 8 4	0.00
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an 24 bit 2C temp patitions - construit RC facting and ends alked lower 28 pile) an 24 bit 2C temp patients - construit RC facting and ends deel tower legit (0884) an 24 bit 2C temp patients - temp steel deak (141+12) an 24 bit 2C temp patients - temp steel deak (142+11) (0894) an 24 bit 2C temp patients - construit RC facting and exect steel tower an 24 bit 2C temp patients - construit RC facting and exect steel tower an 24 bit 2C temp patients - temp steel deak (142+15) - nightwork	18 30-Dec22 16 17-3an-23 16 21-3an-23 18 11-Mar-23	20-Jan-23 10-Feb-23	05-Jan-23	01-Feb-23	8	
an 24 h 22 Camp Oatform - construit 82 footing and erect steel tower elegel (DRM) an 24 ho 22 Camp pattorm - tamp steel dock (H1+42) an 24 ho 22 Camp pattorm - tamp steel dock (2441) (DRM) an 24 ho 22 Camp pattorm - construit 82 footing and erect steel tower an 24 ho 22 Camp pattorm - tamp steel dock (H2+43) - nightwork	16 17-Jan-23 16 21-Jan-23 18 11-Mar-23	10-Feb-23			4	
jerj (DBM) an 24b oZ tomp platform - temp steel deck (H1:H2) an 24b oZ temp platform - temp steel deck (2A+H1) (DBM) an 24 to 2C temp platform - construit RC footing and erest steel tower an 24 to 2C temp platform - temp steel deck (H2:H3) - rightwork.	16 17-Jan-23 16 21-Jan-23 18 11-Mar-23	10-Feb-23				
an 2A to 2C temp platform - temp stael deck (2A:41) (ORM) an 2A to 2C temp platform - construct RC footing and erect steel tower an 2A to 2C temp platform - temp stael deck (M2:43) - nightwork	16 21-Jan-23 18 11-Mar-23				8	
an 2A to 2C temp platform - construct RC footing and erect steel tower an 2A to 2C temp platform - temp steel deak (M2-M3) - nightwork	18 11-Mar-23	10100100	02-Feb-23	20-Feb-23	4	
an 2A to 2C temp platform - temp steel desk (M2-M3) - nightwork		31-Mar-23	08-Mar-23	28-Mar-23	-3	
		13-Apr-23	29-Mar-23			
ks	7 01-Apr-23			06-Apr-23	-3	
	160 05-Oct-22 A	19-Apr-23	19-Apr-23	09-Aug-23	92	21.00
putment	75 05-Od-22 A	28-Dec-22	19-Apr-23	02-May-23	91	5.00
	53 05-Od-22 A	28-Dec-22	19-Apr-23	29-Apr-23	94	4.00
instruct Abutment A-3A-S3	19 05-Oct-22 A	17-Oct-22 A	19-Apr-23	19-Apr-23		3.00
3A-S3 Install Permaate Membrane and Backfill	10 15-Dec-22	28-Dec-22	19-Apr-23	29-Apr-23	94	1.00
	10 12-Oct-22 A	21-0d-22 A	02-May-23	02-May-23		1.00
3D-S3 Install Permeate Membrane and Backfill	10 12-Od-22 A	21-Od-22 A	02-May-23	02-May-23		1.00
	63 28-Nov-22 A	19-Apr-23	02-May-23	09-Aug-23	92	16.00
	45 28-Nov-22 A	09-Mar-23	02-May-23	24-Jul-23	109	8.00
an 3A-3E Falsework and formwork	27 28-Nov-22 A	31-Jan-23	02-May-23	24-May-23	92	4.00
an 3A-3E Install Bearings	6 12-Dec-22 A	13-Dec-22 A	10-Jun-23	10-Jun-23		2.00
an 3A-3E Web and Soffit	18 01-Feb-23	21-Feb-23	10-Jun-23	03-Jul-23	105	1.00
an 3A-3E Deck Section						1.00
						8.00
25 3D Edward and Germander						4.00
an 3E-3D Install Bearings	6 02-Mar-23	08-Mar-23	26-Jun-23	03-Jul-23	92	2.00
ian 3 ian 3 ian 3	2A-3E Falawork and formwork 2A-3E Install Bearings 2A-3E Web and Soft 2A-3E Deck Section 2E-3D Falaework and formworks	Instant Instant <thinstant< th=""> <thinstant< th=""> <thi< td=""><td>Image: Section 2014 Sectio</td><td>Image: Markametric Markametri Markametri Markametric Markametric Markametric Ma</td><td>Add Status Status<td>Add 2 Althov2A 9 Alges2A 0 Alges2A <th0 alges2a<="" th=""> <th0 alg<="" td=""></th0></th0></td></td></thi<></thinstant<></thinstant<>	Image: Section 2014 Sectio	Image: Markametric Markametri Markametri Markametric Markametric Markametric Ma	Add Status Status <td>Add 2 Althov2A 9 Alges2A 0 Alges2A <th0 alges2a<="" th=""> <th0 alg<="" td=""></th0></th0></td>	Add 2 Althov2A 9 Alges2A 0 Alges2A <th0 alges2a<="" th=""> <th0 alg<="" td=""></th0></th0>

)	Activity Name	Orig Dur	Slat Fi	nish I	Lale Start	Late Finish	Total Float	TRA (De	iber Docam 44	bar		January 45		February 46		1	March 47			April 48
3.3-2882	S3 - Span 3E-3D Web and Soffit	18 0	9-Mar-23 29-1	far-23 0	04-Jul-23	24-Jul-23	92	1.0	1 20 27 04 11	18	25 01 08	15 22	29 05	12	19 26	05	12	19 26	02	09
3.3-2884	S3 - Span 3E-3D Deck Section	14 3	0-Mar-23 19-/	Apr-23 2	25-Jul-23	09-Aug-23	92	1.0												<u>.</u>
Sch_3.4 Bridg	e S4 Works	265 03	-3an-22 A 06-N	1ay-23 0	08-Dec-22	24-Feb-26	830	64.0												
	, Pier / Abutment	265 03	-Jan-22 A 06-N	tay-23 0	09-Jan-23	30-Məy-23	19	13.0												
Abutment A-		79 3	0-Jan-23 06-N	1ay-23 2	21-Feb-23	30-May-23	19	10.0												
3.4-3048	54 - A-4A-53 ELS	10 3	0-Jan-23 09-F	eb-23 2	21-Feb-23	03-Mar-23	19	2.0												
3.4-3050	S4 - Excavation Down to Formation Level A-1A-S4	19 1	0-Feb-23 03-f	far-23 0	04-Mar-23	25-Mar-23	19	3.0						<u>i</u>						
3.4-3052	S4 - Prepare pile head (10 nrs) A-4A-S4				27-Mar-23	24-Apr-23	19	1.0												
3.4-3054	S4 - Construct Abutment Base A-4A-S4				25-Apr-23	30-May-23	19	4.0												
Pier 4F-S4					09-Jan-23	19-Jan-23	18	3.0												
3.4-3122	S4 - Construct Pier 4F-S4 (3 Lifts)				09-Jan-23	19-Jan-23	18	3.0												
Pier 4G-S4	or considering a prifering.				19-Jan-23	19-Jan-23	10	0.0												
3.4-3132A	54 - Construct: Pier 4G-54 (2 Lifts)				19-Jan-23	19-Jan-23	10													
54 - Deck	or concerns the heart (2 bib)				08-Dec-22	24-Feb-26	836	51.0												
					08-Dec-22	02-Jun-23	836	20.0												
S4-Span (L)				4pr-23 0	08-Dec-22	02-Jun-23	37	20.0												
	-4K(L) (Stage 1)						-6	0.0												
3.4-3176a	S4 - Span 4B(A) - 4K(A) Deck Section (stitch span) (DRM)				08-Dec-22	08-Dec-22														
3.4-3178	S4 - Span 4B(A) - 4K(A) Post-tensioning (Stage 1)				08-Dec-22	14-Dec-22	-6	0.0												
3.4-3180	54 - Span 4B(A) - 4K(A) Remove Falsework, Formwork and Trusses	12 2	2-Dec-22 07-3	lan-23 3	30-Dec-22	13-Jan-23	5	0.0		-										
3.4-3174b	S4 - Stitch Joint at 4K(A)-Web and Soffit (DRM)	13 2	2-Dec-22 09-3	lan-23 1	15-Dec-22	31-Dec-22	-6			-										
3.4-3176b	S4 - Stbth Joint at 4K(A)- Deck Section (DRM)	13 1	0-Jan-23 31-3	lan-23 0	03-Jan-23	17-Jan-23	-6				-		-							
S4- Span 4K	-4J(L) (Stage 2)	117 1	1-Od-22 A 28-F	ieb-23 1	L5-Dec-22	18-May-23	63	12.0												
3.4-3276	S4 - Span 4K(A)-4) Falsework and formworks	13 1	0-Oct-22 A 30-0	ct-22 A 1	15-Dec-22	15-Dec-22		6.0												
3.4-3278	54 - Span 4K(A)-13 Install Bearings	8 1	2-Od-22 A 20-0	d-22 A 1	15-Dec-22	15-Dec-22		2.0												
3.4-3280	S4 - Span 4K(A)-43 Web and Soffit	22 3	-Od-22 A 09-D	ec-22 A 1	15-Dec-22	15-Dec-22		3.0												
3.4-3282	S4 - Span 4K(A)-4) Deck Section	12 1	5-Dec-22 30-0	ec-22 1	L6-Dec-22	31-Dec-22	1	1.4			-									
3.4-3280a	54 - Span 4K(A)-4J Web and Soffit (Stitch span) (DRM)	12 1	5-Dec-22 30-0	Dec-22 1	17-Dec-22	03-3an-23	2				-			· · · · · · ·						
3.4-3282a	S4 - Span 4K(A)-4J Deck Section (Stitch span) (DRM)	12 3	1-Dec-22 14-3	lan-23 0	04-Jan-23	17-Jan-23	2					-								
3.4-3283	S4 - Span 4K(A)J-4J Post-tensioning (Stage 2)	12 0	1-Feb-23 14-F	eb-23 1	18-Jan-23	07-Feb-23	-6	0.0					_	-						
3.4-3284	S4 - Span 4K(A)-43 Remove Falsework and Formwork)5-May-23	18-May-23	63	0.0												
S4- Span 4J-	-2A(L) (Stage 3)	88 2	2-Dec-22 _18-	apr-23 _3	30-Dec-2.2	02-Jun-2 <u>3</u>	37	8.0												
3.4-3286	S4 - Span 43-2A Falsework and formworks	19 2	2-Dec-22 16-3	lan-23 3	30-Dec-22	21-Jan-23	5	3.0												
3.4-3288	S4 - Span 43-2A Install Bearings				30-Jan-23	07-Feb-23	5	2.0					_							
3.4-3290	S4 - Span 43-2A Web and Soffit				08-Feb-23	23-Feb-23	-6	2.0												
3.4-3292	S4 - Span 43-2A Deck Section				24-Feb-23	09-Mar-23	-6	1.0								1	_			
3.4-3296	S4 - Span 43-2A Post-tensioning (Stage 3)				L0-Mar-23	23-Mar-23	-6	0.0									_			
3.4-3298						02-Jun-23	-0 37	0.0												į
	54 - Span 43-2A Remove Falsework and Formwork				9-May-23															
S4-Dpan (R)		167 29	-Sep-22 A 28-	4pr-23 2	22-Feb-23	24-Feb-26	836	31.0												_
Uurrent Mile	estone									Breiter	t ID: KTE-WP36_N	144			Date			wition		Checked
Actual Wor	* Central	Kowloon	Route -	Kai Ta	k Eas	t (Mont	h 44	Upd	e) (Rev36- CSD)	Baseli	ne:				25-Aug-22 25-Sep-22	Submit CS	6D Programn	ne Rev 32with ne Rev 33with	vH1 Mon Th	ñ
Catical Ren Catical Ren Remaining	aaining Work		Three								: KTE - 3 Months F				25-0:4-22 25-Nov-22	Submit CS	SD Programm	ne Rev 34with ne Rev 35with	443 Mon Th	rr -
						5 .				Filter:	TASK filters: 3 Mor	nns Kolling_1, KTE	- Submission.		15-Dec-22	Submit CS	3D Programm	ne Rev 30with	444 Mon. Th	Y
										Page	5 of 18				1					

D	Activity Name	Orig	Dur Start	Finish	Lale Start	Late Finish	Total Float	TRA (Da	44 44		45	46		47	48	8
S4- Span 48	3-4K(R) (Stage 1)		76 29-Sep-22 A	30-Dec-22	22-Feb-23	24-Feb-26	927	0.0	13 20 27 64 11	18 25	01 08 15 22 29	05 12 19 2	d 05	12 19 26	09	Ŧ
3.4-3186a	S4 - Span 48(8) - 4K(8) Web and Soffit (Stitch span) (DRM		12 29-Sep-22 A	15-Oc-22 A	24-Feb-26	24-Feb-26										
3.4-3188a	S4 - Span 4B(B) - 4K(B) Deck Section (Stitch span) (DRM)		20 17-Od-22 A	22-Nov-22 A		22-Reb-23										
3.4-3190	S4 - Span 4B(B) - 4K(B) Post-tensioning (Stage 1)		12 15-Dec-22	30-Dec-22	22-Feb-23	07-Mar-23	50	0.0								
			12 12 01 22 1	27.54.22	02 Min 32	20.00-24	247	12.0								
S4- Span 4K	(-4E(R) (Stage 2) S4 - Span 4K(B)-4E Falsework and formworks			2011022	08-Mar-23	08-Mar-23	542	7.0	_							
			49 12-Od-22 A													
3.4-3210	S4 - Span 4K(B)-4E Install Bearings		8 25-Nov-22 A		08-Mar-23	08-Mar-23		2.0								
3.4-3212	S4 - Span 4K(B)-4E Web and Soffit		26 01-Dec-22 A	11-Jan-23	08-Mar-23	17-Mar-23	50	3.0								
3.4-3214	S4- Span 4K(B)-4E Deck Section		10 12-Jan-23	30-Jan-23	18-Mar-23	29-Mar-23	50	1.0								
3.4-3216	S4 - Span 4K(B)-4E Post-tensioning (Stage 2)		12 31-Jan-23	13-Feb-23	30-Mar-23	17-Apr-23	50	0.0				-				
3.4-3218	S4 - Span 4K(B)-4E Remove Falsework, Formwork and True	385	12 14-Feb-23	27-Feb-23	16-Apr-24	29-Apr-24	342	0.0								
3.4-3220	54 - Span 4E-4F Falsework and formworks		23 29-Dec-22	01-Feb-23	08-Mar-23	03-Apr-23	52	4.0		-						
3.4-3222	S4 - 4E-4F Install Bearings		8 02-Feb-23	10-Feb-23	04-Apr-23	17-Apr-23	52	2.0			-	-				
3.4-3224	S4 - Span 4E-4F Web and Soffit		16 14-Feb-23	03-Mar-23	18-Apr-23	06-May-23	50	2.0					-			
3.4-3226	S4 - Span 4E-4F Deck Section		10 04-Mar-23	15-Mar-23	08-May-23	18-May-23	50	1.0						•		
3.4-3230	54 - Span 4E-4F Post-tensioning (Stage 3)		12 16-Mar-23	29-Mar-23	19-May-23	02-Jun-23	50	0.0								
3.4-3232	S4 - Span 4E-4F Remove Falsework and Formwork		12 30-Mar-23	17-Apr-23	03-Oct-23	16-Oct-23	150	0.0								÷
S4- Span 4F	-4G(R) (Stage 4)		11 23-Feb-23	19-Apr-23	03-May-23	19-Jun-23	50	6.0								
3.4-3234	S4 - Span 4E4G Falsework and formworks		18 23-Feb-23	15-Mar-23	03-May-23	23-May-23	54	3.0						-		
3.4-3236	S4 - Span 4F-4G Install Bearings		8 16-Mar-23	24-Mar-23	24-May-23	02-Jun-23	54	2.0						<u> </u>		
3.4-3238	S4 - Span 4F-4G Web and Soffit		14 30-Mar-23	19-Apr-23	03-Jun-23	19-Jun-23	50	1.0								
	- 4H(R) (Stage 5)		16 11-Apr-23	28-4pr-23	17-Jun-23	07-10-23	56	3.0								
3.4-3248	54- Span 4G-1H Falsework and formworks		16 11-Apr-23	28-Apr-23	17-Jun-23	07-Jul-23	56	3.0								
			75 23-Dec-21 A	12-Apr-23	08-Dec-22	14-Jun-23	50	8.0								
Sch_3.5 Bridg								8.0								
	s, Pier / Abutment		75 23-Dec-21 A		08-Dec-22	14-Jun-23	52	6.0								
Pier 7B					08-Dec-22	12-Jan-23	-6									
3.5-3416	S7 - Excavation down to formation level C-78-S7		4 25-Nov-22 A			08-Dec-22		1.0	-							
3.5-3418	S7 - Prepare pile head (2 nrs) C-78-S7		9 29-Nov-22 A	13-Dec-22 A	08-Dec-22	08-Dec-22		1.0								
3.5-3420	S7 - Construct pile cap C-78-S7		15 14-Dec-22 A	23-Dec-22	08-Dec-22	16-Dec-22	-6	2.0		_						
3.5-3422	S7 - Construct Pier P-78-S7 (2 Lifts)		20 24-Dec-22	19-Jan-23	17-Dec-22	12-Jan-23	-6	2.0								
Pier 7C		3	75 23-Dec-21 A	12-Apr-23	15-Apr-23	14-Jun-23	52	2.0								
3.5-3426	S7 - Construct Pier P-7C-S7 (1st Lift)		20 23-Dec-21 A	21-Jan-23	15-Apr-23	20-May-23	91	2.0								
3.5-3426a	S7 - Construct Pier P-7C-S7 (2nd Lift)		20 16-Mar-23	12-Apr-23	22-May-23	14-Jun-23	52									
Sch_3.6 Bridg	je S8 Works		53 11-Mar-23	17-May-23	04-Mar-23	18-Oct-23	127	12.0								
S8 - Piling W	arks		47 11-Mar-23	10-May-23	01-Mar-23	03-May-23	-6	9.0								
Piling Works	- Pier P-8B		47 11-Mar-23	10-May-23	04-Mar-23	03-May-23	-6	9.0								
3.6-3599	S8 - Mobilisation for Bored pile		6 11-Mar-23	17-Mar-23	04-Mar-23	10-Mar-23	-6	2.0					-	-		
												Date		Revision	Chedeo	<u> </u>
Current Mi		ontrol Kow	oon Bow	ko Keil	Tak E	4 (Mart		ا م ما ا	a) (Bay26, CSD)	Project ID: H Baseline:	TE-WP36_M44	25-Aug-22 25-Sep-22	2 Submit CSD	Programme Rev 32with I Programme Rev 33with I	M40 Mon TYY	0 /40 DC DC
Ottai Re	maining Work	entral Kówi				ing Prog			te) (Rev36- CSD)	Layout: KTE	- 3 Months Rolling Programme	25-Od-22	Submit CSE	Programme Rev 34with I	MI2 Mon TYY	DC
Remaining) Work		10	ee won	ui Rolli	ng Prog	nami	ne			filters: 3 Months Rolling_1, KTE - Submissi	01. 25-Nov-22 15-Deo-22	Submit CSD Submit CSD) Programme Rev 35with I) Programme Rev 36with I	Ma Mon TYY 444 Mon TYY	DC
										1						_

)	Activity Name	Orig Dur Stat	Finish	Lale Start	Late Finish	Total Float	TRA (De	¥3 44			45			46				47		_	-
3.6-3600	S8 - Bored Piles for 8B-58 (1 nr)	41 18-Mar-23	10-May-23	11-Mar-23	03-May-23	-6	7.0	13 20 27 04 11	18	25 01	08 15	22 2	9 05	12	19	28	05	12	19	26 03	-
8 - Pile Cap	s, Pier / Abutment	29 13-Apr-23	17-May-23	13-Sep-23	18-Oct-23	127	3.0														
Pier 8C		29 13-Apr-23	17-May-23	13-5ep-23	18-O±-23	127	3.0														
3.6-3634	S8 - Construct Pier P-8C-S8 (3 Lifts)	29 13-Apr-23	17-May-23	13-Sep-23	18-Oct-23	127	3.0														
Sch_3.7 Bridg	ne 59 Works	185 25-3ul-22 A	10-Mar-23	08-Dec-22	03-Mar-23	-6	27.0														
	s, Pier / Abutment	132 25-Jul-22 A	30-Dec-22	09-Dec-22	22-Dec-22	-5	4.0														
Abutment 4		132 25-30-22 A	30-Dec-22	09-Dec-22	22-Dec-22	-5	4.0														
3.7-3882	S9 - Construct Abutment A-4H/9E	27 25-3ui-22 A	16-Nov-22 A		09-Dec 22		4.0														
3.7-3883	S9 Install Permeate Membrane and Baddfill	12 15-Dec-22	30-Dec-22	09-Dec-22	22-Deo22	-5				_											
	39 TI Sell Permeter Premerer of Cooking	112 28-5ep-22 A	17-Feb-23	08-Dec-22	17-Feb-23	0	7.0			-											
S9 - Deck	01 (Pr 1)	112 20-500-22 A		14-Jan-23	14-Jan-23		0.0														
	0-9A (Stage 1)						0.0														
3.7-3893	S9 - Span 1D-9A Remove Falsework and Formwork	12 12-Nov-22 A			14-Jan-23																
	-9B (Stage 2)	33 28-5ep-22 A	08-Dec-22 A	12-Dec-22	14-Jan-23		1.0														
3.7-3898	S9 - Span 9A-9B Deck Section	14 28-Sep-22 A			12-Dec-22		1.0														
3.7-3900	S9 - Span 9A-9B Post-tensioning (Stage 2)	9 15-Od-22 A	24-Od:-22 A	12-Dec-22	12-Dec-22		0.0														
3.7-3901	59 - Span 9A-9B Remove Falsework and Formwork	12 12-Nov-22 A	08-Dec-22 A	14-Jan-23	14-Jan-23																
S9 - Span 9B	-9C (Stage 3)	79 01-Od-22 A	05-Jan-23	23-Dec-22	13-Jan-23	7	1.0														
3.7-3906	S9 - Span 98-9C Deck Section	13 01-Oct-22 A	17-0d-22 A	23-Dec-22	23-Dec-22		1.0											1			
3.7-3902a	S9 - Stitch Joint at 9B - Web and soffit (DRM)	11 03-Nov-22 A	23-Nov-22 A	23-Dec-22	23-Dec-22																
3.7-3902b	S9 - Stitch Joint at 9B - Deck Section (DRM)	11 24-Nov-22 A	10-Dec-22 A	23-Dec-22	23-Dec-22																
3.7-3908	S9 - Span 98-9C Post-tensioning (Stage 3)	7 12-Dec-22 A	19-Dec-22	23-Dec-22	29-Deo-22	7	0.0		-												
3.7-3909	59 - Span 98-9C Remove Falsework and Formwork	12 20-Dec-22	05-Jan-23	30-Dec-22	13-Jan-23	7															
59 - Span 90	-9D-9E (Stage 4)	91 28-Sep-22 A	17-Feb-23	08-Dec-22	17-Feb-23	0	5.0														
3.7-3910	59 - Span 9C-9D Falsework and formworks (A)	20 28-5cp-22 A	22-0d-22 A	12-Dec-22	12-Deo-22		1.0														
3.7-3914	S9 - Span 9C-9D Web and Soffit (A)	18 23-0d-22 A	14-Nov-22 A	23-Dec-22	23-Dec-22		1.0														
3.7-3916	S9 - Span 9C-9D Deck Section (A)	18 15-Nov-22 A			23-Dec-22		1.4														
3.7-3912	S9 - Span 9C-9E Install Baarings	6 20-Nov-22 A	03-Jan-23	12-Dec-22	29-Dec 22	-3	2.0														
3.7-3912	S9 - Span SC-VE install examps S9 - Stitch Joint at 9C - Web and soffit (DRM)		06-Jan-23		29-Dec-22	-5	2.5														
		11 23-Nov-22 A		08-Dec-22																	
3.7-3910a	S9 - Span 9D-9E Palaework and formworks (B)	10 25-Nov-22 A	30-Dec-22	09-Dec-22	22-Dec-22	-5															
3.7-3914a	S9 - Span 9D-9E Web and Soffit (B) (DRM)	10 15-Dec-22 A	06-Jan-23	23-Dec-22	30-Dec-22	-5															
3.7-3911a	S9 - Stitch Joint at 9C - Deck Section (DRM)	11 07-Jan-23	19-Jan-23	30-Dec-22	12-Jan-23	-6				-											
3.7-3916a	S9 - Span 9D-9E Deck Section (B) (DRM)	10 07-Jan-23	18-Jan-23	31-Dec-22	12-Jan-23	-5				-											
3.7-3918	S9 - Span 9C-9E Post-tensioning (Stage 4)	7 20-Jan-23	03-Feb-23	13-Jan-23	20-Jan-23	-6	0.0				-		-								
3.7-3919	59 - Span 9C-9E Remove Falsework and Formwork	12 04-Fub-23	17-Feb-23	03-Feb-23	17-Feb-23	0								-							
S9 - Miscella	neous Works	68 23-Nov-22 A	10-Mar-23	12-Dec-22	03-Mar-23	-6	16.0														
3.7-3920	S9 - Install Profile banler / Parapet Wall / Planter	58 23-Nov-22 A	03-Feb-23	12-Dec-22	31-Jan-23	-3	5.0		<u>.</u>				-								
3.7-3922	S9 - Bridge Drainage works	28 14-Jan-23	22-Feb-23	14-Jan-23	22-Feb-23	0	4.0				-	-	-	-	-						
3.7-3924	S9 - Road Lighting and Road Furniture	28 14-Jan-23	22-Feb-23	14-Jan-23	22-Feb-23	0	4.0				-	-	-	-	-						
											_		-					:	-		
Current M										t ID: KTE-WP36	_M44				25-Au			SD Program		ith M40 Mon.	
Ottai Re	maining Work	Central Kowloon Rout						ite) (Rev36- CSD)	Baseli Layou		ns Rolling Progra	amme			25-Se 25-O:	-22	Submit CS	SD Program	me Rev 34s	ith MH1 Mon Ith MH2 Mon.	. TYY
- Remaining	g Work	Thi	ee Mon	tri Koll	ing Prog	gram	ne				Nonths Rolling_1		mission.		25-No 15-De					ith M43 Mon. ith M44 Mon.	
																					-

Activity Name	Orig Dur	Stat Fink	n Lale Sta	Late Finish	Total Float	TRA (Da	ambar Boca 43 4	bor January F	10ruary March 46 47
S9 - Movement Joint	12 04	-Feb-23 17-Feb	-23 01-Feb-2	3 14-Feb-23	-3	2.0	13 20 27 04 11	18 25 01 08 15 22 29 05	12 19 28 05 12 19 2
S9 - End wal construction (Abutment)	15 04	-Feb-23 21-Feb	-23 21-Jan-2	3 14-Feb-23	-6				
S9 - Final completion works	24 11	Feb-23 10-Ma	-23 04-Feb-2	3 03-Mar-23	-6				
S9 - Road pavement; Road marking	7 22	Feb-23 01-Ma	-23 15-Feb-2	3 22-Feb-23	-6	1.0			
						4.0			
S1/S9 - Span 1D-1E(L) Web and Soffit (2nd pour) (DRM)	7 014	Nov-22 A 11-Nov	22 A 08-Dec-2	2 08-Dec-22					
S1/S9 - Span 1D-1E(R) Deck Section (1st pour)	12 094	Nov-22 A 29-Nov	22 A 08-Dec-2	2 08-Dec-22		2.0			
S1/S9 - Span 1D-1E(L) Deck Section (1st pour)	12 094	Nov-22 A 29-Nov	22 A 08-Dec-2	2 08-Dec-22		2.0			
S1/S9 - Span 1D-1E(R) Deck Section (2nd pour) (DRM)	10 23-	lov-22 A 29-Nov	22 A 08-Dec-2	2 08-Dec-22	:				
S1/S9 - Span 1D-1E(L) Deck Section (2nd pour) (DRM)	10 23-	Nov-22 A 29-Nov	22 A 08-Dec-2	2 08-Dec-22	:				
1E-1F/1E-7A (Stage 1)	61 14	Od-22 A 06-Jar	23 08-Dec-2	2 30-Dec-22	6	11.0			
S1/S9 - Span 1E to 1F/7A Erect Steel Portal (over Kai Fuk Road) Night works	12 14	Oct-22 A 15-Nov	22 A 08-Dec-2	2 08-Dec-22		0.0			
(EB)(2-E)									
works (EB)(2-E)						2.0			
S1/S9 - Span 1E-1F/7A (R) Dedk Section									
S1/S9 - Span 1E-1F/7A (L) Dark Section	10 14-	Dec-22 A 28-De	-22 08-Dec-2	2 20-Dec-22	-6	2.0	•		
S1/S9 - Span 1D-1E-1F Post-tensioning and Grouting (Stage 1)	7 29	-Dec-22 06-Jan	-23 20-Dec-2	2 30-Dec-22	-6				
1F-1G (R) (Stage 2)	56 164	Nov-22 A 30-Jar	-23 30-Dec-2	2 24-Jan-23	-1	5.0			
S1/S9 - Span 1F-1G(R) Falsework and formworks	16 16-	Nov-22 A 03-Dec	22 A 30-Dec-2	2 30-Dec-22	2	3.0			
S1/S9 - Span 1F-1G(R) Web and Soffit	9 14	Dec-22 A 11-Jar	-23 30-Dec-2	2 05-Jan-23	-6	1.0	•		
S1/59 - Span 1F-1G(R) Dask Sadion	9 12	dan-23 21-dan	23 05-Jan-2	3 16-Jan-23	-6	1.0			
S1/59 - Span 1F-1G(R) Post-tensioning and Grouting (Stage 2)	9 22	-Jan-23 30-Jan	-23 16-Jan-2	3 24-Jan-23	-6				
						8.0			
								I I	
S1/S9 - Bridge S1/S9, Remove Falsework, formwork and Trusses	6 11	-Mar-23 17-Ma	-23 02-Feb-2	6 07-Feb-26	854	0.0			
ellaneous Works	86 22	-Dec-22 15-Ap	-23 16-Dec-2	2 24-Feb-26	847	19.0			
		Dec-22 02-Feb	23 30-Dec-2	2 08-Feb-23	5	4.0			
S1/59 - Bridge Drainage works (R)	28 22	-Dec-22 U2-Per	23 30-0804			4.0			
	S9-End wall construction (Abument) S9-End campikation works S9-End campikation works S9-End campikation works S9-Compikation of Brdge S9 SUSSECTION S	S9-End wall conduction (Aburnent) Image: Conduction (Aburent) Image: Conduction (Aburnent)	99-Indivadional (abument) 101 04-Heb23 21-Heb 99-Indivadional (abument) 11 fbb23 10 Heb23 21-Heb 99-Indivadional (abument) 11 fbb23 10 Heb23 10 Heb23 10 Heb23 99-Indivadional (abument) 11 fbb23 10 Heb23 10 Heb23 10 Heb23 99-Complation of Brdgs 99 11 fbb2 10 Heb23 10 Heb23 10 Heb23 10 Heb23 10 Heb23 10 Heb233 11 Heb333 10 Heb323 11 Heb333 10 Heb323 11 Heb333 10 Heb3233 11 Heb333 10 Heb3234 11 Heb333 10 Heb333 11 Heb333 10 Heb3333 11 Heb333 10 Heb3333 <td< td=""><td>99 - End wal construction (Aburnent) 11 04-10-20 11-10-20 <th< td=""><td>99 - End wal construction (Aburnent) 111 121 121-120 12</td><td>99-Indival anditudin (Aburner)100404-bit21-bit14-bit14-bit99-Indivantation (Aburner)2011-bit10-bit04-bit<th>9 - End wal construction (Aburneri)104-Hob214-Hob<!--</th--><td>Sinceraction<!--</td--><td>Image: Sector Sector</td></td></th></td></th<></td></td<>	99 - End wal construction (Aburnent) 11 04-10-20 11-10-20 <th< td=""><td>99 - End wal construction (Aburnent) 111 121 121-120 12</td><td>99-Indival anditudin (Aburner)100404-bit21-bit14-bit14-bit99-Indivantation (Aburner)2011-bit10-bit04-bit<th>9 - End wal construction (Aburneri)104-Hob214-Hob<!--</th--><td>Sinceraction<!--</td--><td>Image: Sector Sector</td></td></th></td></th<>	99 - End wal construction (Aburnent) 111 121 121-120 12	99-Indival anditudin (Aburner)100404-bit21-bit14-bit14-bit99-Indivantation (Aburner)2011-bit10-bit04-bit <th>9 - End wal construction (Aburneri)104-Hob214-Hob<!--</th--><td>Sinceraction<!--</td--><td>Image: Sector Sector</td></td></th>	9 - End wal construction (Aburneri)104-Hob214-Hob </th <td>Sinceraction<!--</td--><td>Image: Sector Sector</td></td>	Sinceraction </td <td>Image: Sector Sector</td>	Image: Sector

Activity Name		Orig Dur Start	Finish	Lale Start	Late Finish	Total T Float	'RA (Day	tember Bocen 13 20 27 04 11	ber 18 25 0	45 1 08 15 22	46 29 05 12	19	05 1	anch 47 2 19	58 1 50	48
3.8-4114 S1/59 - Road Lighting and Road R	imiture	28 11-Jan-23	18-Feb-23	12-Jan-23	20-Feb-23	1	4.00		10 20 0	00 10 22	28 00 12	19 26	00 1	4 19	20 12	09
3.8-4113 S1/S9 - End wall construction (Abu	tment)	18 30-Jan-23	20-Feb-23	11-Feb-23	03-Mar-23	10						-				
3.8-4118 BEM - S1/S9 (L) - Install Profile ban	rier / Parapet Wall / Planter / TCSS duct (L)	38 06-Feb-23	21-Mar-23	23-Feb-23	12-Apr-23	15	3.00						-	-		
3.8-4116 S1/S9 - Movement Joint		12 06-Feb-23	18-Feb-23	31-Jan-23	13-Feb-23	-5	2.00					-				
3.8-4122 BEM - S1/S9 - Erect Sign Gantry G6	4	4 20-Feb-23	23-Feb-23	03-Od-23	06-Od-23	183	0.00					-				
3.8-4120 S1/59 - (R) Road pavement; Road	marking	6 20-Feb-23	25-Feb-23	14-Feb-23	20-Feb-23	-5	1.00					_				
3.8-4124 S1/59 - (R) Final completion works	Ready to Open	10 27-Feb-23	09-Mar-23	21-Feb-23	03-Mar-23	-5	0.00					-	-			
3.8-4126 S1/59 - (R) Open to Public		0	10-Mar-23		03-Mar-23	-6							•			
3.8-4110a S1/S9 - Bridge Drainage works (L)		14 18-Mar-23	03-Apr-23	09-Feb-26	24-Feb-26	854								_	_	
3.8-4127 S1/59 - Remove Steel Portal (over	(FR) Night works (2 & 3)	18 22-Mar-23	15-Apr-23	13-Apr-23	04-May-23	15	2.00							_		
Sch_3.9 Bridge CKRW Works		27 09-Jan-23	15-Feb-23	04-Aug-23	06-Sep-23	166	4.00									
CKRW - Pile Caps, Pier / Abutment		27 09-Jan-23	15-Feb-23	04-Aug-23	06-Sep-23	166	4.00									
Abutment A-K1-CKRW		27 09-Jan-23	15-Feb-23	04-Aug-23	06-Sep-23	166	4.00									
3.9-4236 CKRW - Construct Abutment A-K1-C	KRW	18 09-Jan-23	04-Feb-23	04-Aug-23	24-Aug-23	164	4.00									
3.9-4238 CKRW - A-K1-CKRW Install Permate		9 06-Feb-23	15-Rd-23	28-Aug-23	06-Sep-23	166	0.00									
	e Manufalle and babin	138 23-Sep-22 A	27-401-23	31-Dec-22	12-May-23	100	24.00									
Sch_4.2 Slip Road Underpass S3																
S3 - Not related to TTA (Ramp W4-W1)		46 18-Feb-23	17-Apr-23	15-Mar-23	12-May-23	21	11.00									
ELS for Underpass (Ramp)		46 18-Feb-23	17-Apr-23	15-Mar-23	12-May-23	21	11.00									
4-1501 S3 - Install cofferdam		18 18-Feb-23	10-Mar-23	15-Mar-23	01-Apr-23	21	6.00									
	w 1st waling & strut; install waling & strut	11 11-Mar-23	23-Mar-23	06-Apr-23	21-Apr-23	21	2.00						_			
4-4510 S3 - Excavation down to 0.5m beic	w 2nd waling & strut; install waling & strut	13 24-Mar-23	12-Apr-23	22-Apr-23	08-May-23	21	2.00							-		_
4-4512 S3 - Excavation down to final forma	tion level	4 13-Apr-23	17-Apr-23	09-May-23	12-May-23	21	1.00									
S3 - TTA Stage 2 (Box Section Bay 2 & 3)		86 23-Sep-22 A	21-Feb-23	31-Dec-22	07-Mar-23	12	13.00									
ELS for Underpass		23 23-5ep-22 A	20-Dec-22	31-Dec-22	06-Jan-23	12	2.00									
4-4606 S3 - Excavation down to final forma	ition level	8 23-Sep-22 A	20-Dec-22	31-Dec-22	06-Jan-23	12	2.00	· · · · · · · · · · · · · · · · · · ·	-							
4-4605 S3 - Excavation down to 0.5m being	w 4th waling & strut; install waling & strut	16 25-Nov-22 A	08-Dec-22 A	31-Dec-22	31-Dec-22											
RC Strucutres		44 11-Nov-22 A	31-Jan-23	07-Jan-23	14-Rib-23	12	6.00									
Box Sections		44 11-Nov-22 A	31-Jan-23	07-Jan-23	14-Feb-23		6.00									
Bay B2 (L=10m) FS Plant Room		42 11-Nov-22 A	22-Dec-22	07-Jan-23	19-Jan-23	21	3.00									
4-4608 S3-82 - Consturt: Base slab (with P	S plantroom)	18 11-Nov-22 A	25-Nov-22 A	07-Jan-23	07-Jan-23		1.00									
4-4610 S3-82 - Consturct External Wall (wit	h PS plantroom)	24 25-Nov-22 A	10-Dec-22 A	12-Jan-23	12-Jan-23		1.00									
4-4612 S3-82 - Consturt: Top Slab (with P.	5 plantroom)	24 12-Dec-22 A	22-Dec-22	12-Jan-23	19-Jan-23	21	1.00		_							
Bay B3 (L=10m)		27 21-Dec-22	31-Jan-23	07-Jan-23	14-Feb-23	12	3.00									
4-4614 S3-83 - Consturt: Base slab		9 21-Dec-22	03-Jan-23	07-Jan-23	17-Jan-23	12	1.00									
4-4616 S3-83 - Consturt: External Wall		9 04-Jan-23	13-Jan-23	18-Jan-23	03-Feb-23	12	1.00									
4-4618 S3-83 - Consturt: Top Slab		9 14-Jan-23	31-Jan-23	01-Feb-23	14-Feb-23	12	1.00									
Miscellaneous Works		18 01-Feb-23	21-Feb-23	15-Feb-23	07-Mar-23	12	5.00									
4-4620 S3 - Box Section Baddilling upto GL		18 01-Feb-23	21-Feb-23	15-Feb-23	07-Mar-23	12	5.00									
- Total and a second beddining upto GL		10 01100-23	2140-23	15460-25	0710123	12	5.00									
Current Milestone									Project ID: KTE	WD96 MM4		Date		Revision		Theoked
Actual Work	Central K	owloon Rout	te - Kai	Tak Eas	st (Mont	h 44 U	pda	te) (Rev36- CSD)	Baseline:			25-Aug-22 25-Sep-22	Submit CSD P	rogramme Rev 32v rogramme Rev 33v	th M41 Mon Tr	Y
Catical Remaining Work Remaining Work					ing Prog			,,,		Months Rolling Programme rs: 3 Months Rolling_1, KTI		25-Od-22 25-Nov-22	Submit CSD P	rogramme Rev 34w rogramme Rev 35w	ih M43 Mon Tr	Y
									Filter: LASK filte	rs. 5 wonths Kolling_1, K ll	E - OUDMISSION.	15-Dec-22	Submit CSD P	ogramme Rev 38v	ith M44 Mon Tr	Y
									Page 9 of 18							

	Activity Name	Orig Dur	Slat	Finish	Lale Start	Late Finish	Total Float	TRA (Day	ambar Ubcamb 43 44 13 23 27 04 11	ter Jinuary 45 18 55 01 08 15 22 26 00	Fobruary 46 12 19 28	March 47 05 12	10 30
- TTA Stage	4 (Box Section Bay 4 & 5 and Ramp E7-E5)	32	17-Mar-23	27-Apr-23	25-Mar-23	06-May-23	7	0.0	10 20 27 04 11	10 20 01 00 10 22 29 0	12 19 26	00 12	10 20
TTA Advance \	Norks	32	17-Mar-23	27-Apt-23	25-Mar-23	05-May-23	7	0.0					
4-4622	TTA - Implement TTA Stage 4 (KFR TTA stage 4.1A)	0	17-Mar-23		25-Mar-23		7					•	
4-4624	TTA - TTA Stage 4 Trial Run (KFR TTA stage 4.1A)	2	17-Mar-23	18-Mar-23	25-Mar-23	27-Mar-23	7	0.0					
4-4626	TTA - Trial Pits / Site investigation	6	20-Mar-23	25-Mar-23	28-Mar-23	03-Apr-23	7	0.0					_
4-4628	TTA - Utilities diversion / protection	24	27-Mar-23	27-Apr-23	04-Apr-23	06-May-23	7	0.0					
h 54 Retaini	ing Walls and At-grade Road Works	465	20-Jul-22 A	12-Jul-23	09-Dec-22	24-Feb-26	776	197.0					
etaining Wal		465	20-3ul-22 A	20-May-23	09-Dec-22	24-Feb-26	818	137.0					
RW-51	-	108	11-Oct-22 A	09-Mar-23	09-Dec-22	24-Feb-26	875	31.0					
Dotaining Wa	12	100	11.04.22.6	00.0(1)22	09.00012	24.54-26	975	31.0					
5A-5056B	RW-S1 - Erect concrete block wall and baddfill (partial) - Bay 1 (DRM)	10	11-Oct-22 A	26-0ct-22 A	09-Dec-22	09-Dec-22	073	51.0					
5A-5054A	RW-S1 - Erect concrete block wall and backfill (partial) - Bay 3 (DRM)			04-Nov-22 A		09-Dec-22							
5A-5024	RW-S1 - Excavation down to formation level +2.9/+4.0			14-Oct-22 A	09-Dec-22	09-Dec-22		2.0					
5A-5030	RW-S1 - Construct Base Slab (Bay 11/10)		21-Oct-22 A	12-Jan-23	09-Dec-22	06-Jan-23	-5	3.0					
5A-5028	RW-S1 - Plate Load Test and Report (P1)	5	24-Od-22 A	27-Od-22 A	09-Dec-22	09-Dec-22		2.0					
5A-5040A	RW-S1 - Construct Base Slab (Bay 5)	7	26-Oct-22 A	22-Nov-22 A	24-Feb-26	24-Feb-26							
5A-5058A	RW-S1 - Fill upto formation level for 8A tamp traffic deck	10	27-Od-22 A	07-Nov-22 A	09-Dec-22	09-Dec-22							
5A-5040	RW-S1 - Construct Base Slab (Bay 6/5)	15	15-Dec-22	04-Jan-23	09-Dec-22	28-Dec-22	-5	2.0					
5A-5050	RW-51 - Construct Wall (Bay 4)	4	15-Dec-22	19-Dec-22	28-Dec-22	31-Dec-22	9	1.0	-				
5A-5054	RW-S1 - Construct Wall (Bay 3)	10	15-Dec-22	28-Dec-22	12-Jan-23	30-Jan-23	21	1.0					
5A-5056A	RW-S1 - Construct Wall (Bay 1)	9	15-Dec-22	24-Dec-22	12-Jan-23	21-Jan-23	21			-			
5A-5036	RW-S1 - Construct Base Slab (Bay 7)	7	05-Jan-23	12-Jan-23	29-Dec-22	06-Jan-23	-5	1.0					
5A-5046	RW-S1 - Construct Wall (Bay 6/5)	9	05-Jan-23	14-Jan-23	03-Jan-23	12-Jan-23	-2	1.0					
5A-5032	RW-S1 - Construct Base Slab (Bay 9/8)	14	13-Jan-23	01-Feb-23	07-Jan-23	30-Jan-23	-5	2.0					
5A-5034	RW-S1 - Construct Wall (Bay 12/11/10)	14	13-Jan-23	04-Feb-23	07-Jan-23	30-Jan-23	-5	2.0					
5A-5042	RW-S1 - Construct Wall (Bay 7)	9	16-Jan-23	01-Feb-23	13-Jan-23	30-Jan-23	-2	1.0					
5A-5058	RW-S1 - Fill upto formation level (SPT)		06-Fieb-23	09-Mar-23	31-Jan-23	03-Mar-23	-5	4.0				<u>.</u>	
5A-5038	RW-S1 - Construct Wall (Bay 9/8)		06-Feb-23	15-Feb-23	31-Jan-23	09-Feb-23	-5	1.0					
5A-5059	RW-S1 - Construct war (bay 5/5) RW-S1 - Road and drainage works for KCR-TTA Stage 2 (temp)		08-Feb-23	16-Feb-23	11-Feb-23	20-Feb-23	3	6.0					
5A-5059 5A-5061			08-Feb-23	28-Feb-23	11-Feb-23	03-Mar-23	3	2.0					
	RW-S1 - Temporary road pavement for KCR TTA Stage 2												
RW-51/52			11-Mar-23	17-Apr-23	23-Jun-23	26-Jul-23	82	1.0					
5A-5062	RW-S1/S2 - Excavation down to formation level +4.8/+7.25		11-Mar-23	18-Mar-23	23-Jun-23	30-Jun-23	82	1.0					
5A-5064	RW-S1/S2 - Plate Load Test and Report		20-Mar-23	04-Apr-23	03-Jul-23	18-Jul-23	82	2.0					
5A-5066	RW-51/52 - Construct Base Slab (Bay 7)		06-Apr-23	17-Apr-23	19-Jul-23	26-Jul-23	82	1.0					
RW-52			20-Jul-22 A	24-Mar-23	09-Dec-22	31-Oct-23	178	18.0					
5A-5104	RW-S2 - Construct Wall (Bay 7)	5	20-Jul-22 A	29-Dec-22	13-Sep-23	25-Sep-23	216	1.0					
5A-5426	RW-S2 - Construct Wall (Bay 0a) (2 Lifts)	24	16-Aug-22 A	15-Dec-22	25-5ep-23	25-Sep-23	226	2.0					
5A-5120A	RW-S2 - Fill up to formation level (SPT) for temp haul road to 8A from KCR	18	20-Oct-22 A	02-Nov-22 A	09-Dec-22	09-Dec-22							

	Activity Name	Orig Dur Stat	Finish	Lale Start	Late Finish	Total Float	TRA (Day)	comber January Fobruary 44 45 46 1 18 25 01 08 15 22 29 05 12	March 47 19 26 05 12 19
A-5114	RW-S2 - Construct Base Slab (Bay 2/1)	19 15-Dec-22	09-Jan-23	31-Jul-23	21-Aug-23	178	3.00		19 20 00 12 19
A-5118	RW-S2 - Construct Wall (Bay 2/1)	19 15-Dec-22	09-Jan-23	04-Sep-23	25-Sep-23	208	3.00		
5A-5110	RW-S2 - Construct Base Slab (Bay 3)	7 10-Jan-23	17-Jan-23	22-Aug-23	29-Aug-23	178	1.00		
5A-5106	RW-S2 - Construct Base Slab (Bay 5/4)	14 18-Jan-23	09-Feb-23	30-Aug-23	14-Sep-23	178	2.00		
5A-5116	RW-S2 - Construct Wall (Bay 3)	9 18-Jan-23	03-Feb-23	15-Sep-23	25-Sep-23	192	1.00		
5A-5112	RW-52 - Construct Wall (Bay 5/4)	9 10-Feb-23	20-Feb-23	15-Sep-23	25-Sep-23	178	1.00		•
5A-5120	RW-S2 - HI up to formation level (SPT)	28 21-Feb-23	24-Mar-23	26-Sep-23	31-Oct-23	178	4.00		
RW-54		35 15-Dec-22	03-Feb-23	23-Dec-22	11-Feb-23	7	2.00		
5A-5162	RW-S4 - Construct Base Slab (Bay 1)	14 15-Deo22	03-Jan-23	23-Dec-22	11-Jan-23	7	1.00		
5A-5162A	RW-S4 - Construct Wall (Bay 1) ind. TCSS duct	21 04-Jan-23	03-Feb-23	12-Jan-23	11-Feb-23	7	1.00		
RW-S7-a		54 15-Feb-23	22-Apr-23	16-Mar-23	23-May-23	25	9.00		
5A-5190	RW-S7-a - Plate Load Test and Report	14 15-Feb-23	02-Mar-23	16-Mar-23	31-Mar-23	25	2.00		
5A-5192	RW-S7-a - Construct Base Slab (RW-S7-a1)	14 03-Mar-23	18-Mar-23	01-Apr-23	21-Apr-23	25	2.00		
5A-5196	RW-S7-a - Construct Wal (RW-S7-a1)	9 20-Mar-23	29-Mar-23	26-Apr-23	06-May-23	28	1.00		
5A-5416	RW-S7-a - Construct Base Slab (RW-S7-a2)	12 20-Mar-23	01-Apr-23	22-Apr-23	06-May-23	25	2.00		
5A-5418	RW-S7-a - Construct Wall (RW-S7-a2)	14 03-Apr-23	22-4pr-23	08-May-23	23-May-23	25	2.00		
W-57		65 26-Nov-22 A	19-Apr-23	03-Feb-23	17-Jun-23	49	5.00		
5A-5194	RW-S7 - Construct Base Slab (Bay 1)	7 26-Nov-22 A	10-Dec-22 A	02-Jun-23	02-Jun-23		1.00		
5A-5188	RW-S7 - Excavation down to formation level +3.5/+1.1	7 30-Jan-23	06-Feb-23	03-Feb-23	10-Feb-23	- 1	1.00		
A-5210	RW-S7 - Construct Base Slab (Bay 9)	7 20-Mar-23	27-Mar-23	05-Jun-23	12-Jun-23	60	1.00		
A-5200	RW-S7 - Construct Wall (Bay 1)	9 30-Mar-23	13-Apr-23	02-Jun-23	12-Jun-23	49	1.00		
5A-5214	RW-57 - Construct Wall (Bay 9)	5 14-Apr-23	19-Apr-23	13-Jun-23	17-Jun-23	49	1.00		
W-57/58		55 07-Feb-23	15-Apr-23	08-Mar-23	23-May-23	31	9.00		
5A-5218	RW-57/58 - Excavation down to formation level +3.8/+3.9	7 07-Feb-23	14-Feb-23	08-Mar-23	15-Mar-23	25	1.00	· · · · · · · · · · · · · · · · · · ·	
5A-5220	RW-57/58 - Plate Load Test and Report	14 15-Feb-23	02-Mar-23	23-Mar-23	12-Apr-23	31	2.00		
5A-5222	RW-S7/S8 - Construct Base Siab (Bay 1)	7 03-Mar-23	10-Mar-23	13-Apr-23	20-Apr-23	31	1.00		
5A-5224	RW-57/58 - Construct Base Slab (Bay 2)	7 11-Mar23	18-Mar-23	24-Apr-23	02-May-23	33	1.00		
5A-5226	RW-S7/S8 - Construct Wall (Bay 1)	9 11-Mar-23	21-Mar-23	21-Apr-23	02-May-23	31	1.00		
5A-5228	RW-57/58 - Construct Base Slab (Bay 3)	7 20-Mar-23	27-Mar-23	05-May-23	12-May-23	35	1.00		
5A-5230	RW-57/58 - Construct Wall (Bay 2)	9 22-Mar-23	31-Mar-23	03-May-23	12-May-23	31	1.00		
5A-5232	RW-57/58 - Construct Wall (Bay 3)	9 01-Apr-23	15-Apr-23	13-May-23	23-May-23	31	1.00		
RW-S7/S8-a		26 14-Mar-23	17-Apr-23	18-Mar-23	21-Apr-23	4	4.00		
5A-5236	RW-S7/S8-a - Excavation down to formation level +4.6/+6.5	5 14-Mar-23	18-Mar-23	18-Mar-23	23-Mar-23	4	1.00		
5A-5238	RW-57/58-a - Plate Load Test and Report	14 20-Mar-23	04-Apr-23	24-Mar-23	13-Apr-23	4	2.00		
5A-5240	RW-S7/S8-a - Construct Base Slab (Bay 1)	7 06-Apr-23	17-Apr-23	14-Apr-23	21-Apr-23	4	1.00		
W-58-a	The server of contenue need along (net 1.)	30 07-Feb-23	17-401-23 13-Mar-23	14-907-25	17-Mar-23	-	3.00		
5A-5264	RW-S8-a - Construct Wall (RW-S8-a1)(2 Lifts)	20 07-Feb-23	01-Mar-23	11-Feb-23	06-Mar-23	4	1.00		
5A-5264							2.00		
	RW-S8-a - Construct Wall (RW-S8-a2) (2 Lifts)	20 18-Feb-23	13-Mar-23	23-Feb-23	17-Mar-23	4	Z.00		

ID	Activity Name	Orig Dur	Slat	Finish	Late Start	Late Finish	Total Float	TRA (D	43 44	ar	January 45	Fabruary 46		Marc 47	h		April 48
RW-S8-b		30	07-Feb-23	13-Mar-23	11-Feb-23	17-Mar-23	4	3.	13 20 27 04 11	18 25 01	08 15 22	29 05 12	19 25	05 12	19 20	02	09 1
5A-5265b	RW-S8-b - Construct Wall (RW-S8-b1)(2 Lifts)	20	07-Feb-23	01-Mar-23	11-Feb-23	06-Mar-23	4	1.	0				<u> </u>				
5A-5265c	RW-58-b - Construct Wall (RW-58-b2) (2 Lifts)	20	18-Feb-23	13-Mar-23	23-Feb-23	17-Mar-23	4	2	30								
RW-S8-c		30	07-Feb-23	13-Mar-23	11-Feb-23	17-Mar-23	4	3.	0								
5A-5267b	RW-S8-c - Construct Wall (RW-S8-c1)(2 Lifts)		07-Feb-23	01-Mar-23	11-Feb-23	06-Mar-23	4	1.					<u> </u>				
5A-5267c	RW-58-c - Construct Wall (RW-58-c2) (2 Lifts)		18-Feb-23	13-Mar-23	23-Feb-23	17-Mar-23	4	2.									
RW-S8	interver consider this (interver) (a bioly		30-Nov-22 A	21-Apr-23	13-Mar-23	26-Apr-23	4	8.									
5A-5272	RW-S8 - Construct Wall (Bay 2)		30-Nov-22 A		13-Mar-23	13-Mar-23		3.									
5A-5276	RW-S8 - Construct Base Slab (Bay 6)		07-Feb-23	14-Feb-23	19-Apr-23	26-Apr-23	57						_				
5A-5280	RW-S8 - Construct Wall (Bay 6)		02-Mar-23	07-Mar-23	13-Mar-23	17-Mar-23	9	1.					-				
5A-5282	RW-S8 - Fill upto formation level	30		21-Apr-23	18-Mar-23	26-Apr-23	4	3.						-	1		-
RW-59			03-Nov-22 A	27-Feb-23	20-Jan-23	08-Mar-23	7	10.	30								
									10								
5A-5314	RW-S9 - Construct Wall (Bay 2)	16	03-Nov-22 A	28-Nov-22 A	27-Feb-23	27-Feb-23		2.	00								
5A-5310	RW-59 - Construct Wall (Bay 3)	15	19-Nov-22 A	03-Dec-22 A	08-Mar-23	08-Mar-23		2.	00								
5A-5312	RW-S9 - Construct Base Slab (Bay 1)	11	21-Nov-22 A	03-Dec-22 A	27-Feb-23	27-Feb-23		2.	00								
5A-5316	RW-S9 - Construct Wall (Bay 1)	17	05-Dec-22 A	23-Dec-22	27-Feb-23	07-Mar-23	54	2.	00 	-							
54-5304	RW-59 - Construct Wall (Bay 4)	14	23-Dec-22	11-Jan-23	20-Jan-23	11-Feb-23	21	2.	00	-							
5A-5318a	RW-S9 - Fill upto formation level (for KFR TTA stage 4)	20	04-Feb-23	27-Feb-23	13-Feb-23	07-Mar-23	7										
RW-CKR		25	20-Mar-23	21-Apr-23	25-Sep-23	26-0d-23	154	4.	10								
RW-CKR-a			20-Mar-23	21-Apr-23	25-Sep-23	26-Oct-23		4.	10								
5A-5336	RW-CKR-a - Excavation down to formation level +7.5	4	20-Mar-23	23-Mar-23	25-5ep-23	28-Sep-23	154	1.	10								
54-5338	RW-CKR-a - Plate Load Test and Report	14	24-Mar-23	13-Apr-23	29-Sep-23	17-Oct-23	154	2.	10						_		_
5A-5340	RW-CKR-a - Construct: Base Slab	7	14-Apr-23	21-Apr-23	18-Od-23	26-Od-23	154	1.	10								
RW-CKRW		28	11-Mar-23	17-Apr-23	13-Jul-23	14-Aug-23	98	4.									
5A-5372	RW-CKRW - Excavation down to formation level + 5.2/+5.9	7	11-Mar-23	18-Mar-23	13-Jul-23	20-Jul-23	98	1.	10					_			
5A-5374	RW-CKRW - Plate Load Test and Report		20-Mar-23	04-Apr-23	21-Jul-23	05-Aug-23	98	2								_	
5A-5376	RW-CKRW - Construct Base Slab (Bay 1)	7		17-Apr-23	07-Aug-23	14-Aug-23	98	1.									
																_	
Slope Feature W			20-Feb-23	20-May-23	18-May-23	22-May-24	294	20.									
5A-5408	RW-S1 - Reinstate the Slope Feature 11NE-Q/F90		20-Feb-23	17-May-23	18-May-23	10-Aug-23	70	10.	in the state of th						1		
5A-5410	S9 - Reinstate the Slope Feature 11NE-C/F89		23-Feb-23	20-May-23	24-Feb-24	22-May-24	294	10.								1	
Road Works			10-Aug-22 A	12-Jul-23	29-Dec-22	21-Jan-26	747	60.									
Initial Stage for			15-Dec-22	10-Jan-23	08-Feb-23	02-Mar-23	38	4.									
5A-5506	KFRd - Construct temp Bus Stop at Kai Fuk Rd (EB)	20	15-Dec-22	10-3an-23	08-Feb-23	02-Mar-23	38	4.	30		-						
At-grade Road H	Kai Fuk Road Eastbound S019/S020	102	15-Dec-22	27-Apr-23	03-Mar-23	07-Jun-23	33	8.	20								
5A-5556	S019/S020 - Sign Gantry G31 Footing (EB)	28	15-Dec-22	19-Jan-23	03-Mar-23	01-Apr-23	58	4.	00								
5A-5554	S019/S020 - Reconstruct Kai Fuk Road (EB) / Road and Drainage works / Utilities Laying	28	22-Mar-23	27-Apr-23	05-May-23	07-Jun-23	33	4.	30						-		-
At-grade Road H	Kai Cheung Road U-turn	90	16-Nov-22 A	16-Feb-23	30-Dec-22	03-Mar-23	13	20.	20								
Uument Milesto	m									Project ID: KTE-V	VD26 MAA		Date		Ravision		nocked Ag
Actual Work	Central K	owloo	on Rout	e - Kai	Tak Eas	st (Mont	h 44	Upd	ate) (Rev36- CSD)	Baseline:			25-Aug-22 25-Sep-22	Submit CSD Prog	ramme Rev 32with ramme Rev 33with	VH1 Mon TYY	DC
Citical Remain Remaining Wo	ing Work					ing Prog					fonths Rolling Programme s: 3 Months Rolling_1, KTE - Su	hmieeion	25-03-22 25-Nov-22	Submit CSD Prog	ramme Rev 34with ramme Rev 35with	443 Mon TYY	DC
										FILLER: LASK TILLERS	s. 3 worths Railing_1, KTE - SL	iumission.	15-Dec-22	Submit CSD Prog	ramme Rev 38with	444 Mon TYY	DC
										Page 12 of 18							

	Activity Name	Orig Dur	Slat	Finish	Lale Start	Late Finish	Total Float	TRA (Day	ber Docemb 44 20 27 64 11	er 18 25 01	January 45 08 15 22	February 46	19 26	March 47 05 12	40 50	P2 1
5A-4091	S1/S9 - Span 1F-1G(R) falsework and formwork (over Kai Cheung Road U-turn) (3)	18	16-Nov-22 A	15-Dec-22	30-Dec-22	30-Dec-22	11	6.00	20 21 04 11	10 20 01	vo 10 22	27 00 12	12 20	00 12	10 20	üΖ
5A-5565	KCRd - Reinstate Kai Cheung Road U-turn for falsework(Bridge S2)	18	29-Dec-22	19-Jan-23	14-Jan-23	10-Feb-23	13	4.00								
5A-5564	KCRd - Reinstate Kai Cheung Road U-turn (Bridge 51/59)	18	20-Jan-23	16-Feb-23	11-Feb-23	03-Mar-23	13	4.00								
5A-4093	S2 - Span 2EL/2ER-8A/2F falseoworks and formwork (over Kai Cheung Road	18	20-Jan-23	16-Feb-23	11-Feb-23	03-Mar-23	13	6.00								
At-grade Road	U-tum) (8) d MCEB/MCWB (East - except Part 4A/4C)	145	09-Jan-23	12-Jul-23	20-Jan-23	24-Jul-23	10	0.00								
At-grade Roa	ad MCWB		09-Jan-23	12-Jul-23	20-Jan-23	24-Jul-23										
5A-5580	BEM - MCWB(E) - Site formation / Drainage Works / Utilities Laying (Part 1-	145	09-Jan-23	12-Jul-23	20-Jan-23	24-Jul-23	10									_
	5+350 to 5+550) d MCEB/MCWB (Part 4A/4C)		30-Jan-23	29-May-23	16-Oct-23	21-Jan-26	783	28.00								
At-grade Roa		70	30-lac-23	25-date23	16-0#-23	21-lap-26		12.00								
5A-5592	4A/4C - Access to Par 4A/4C	0	30-Jan-23	compress	16-Oct-23		212	11.104								
5A-5594	4A/4C - Initial survey / mobilisation		30-lan-23	11-5eb-23	16-0d-23	30-Oct-23	212	2.00								
SA-5596	BIM - MCEB(E) - Drainage Works / TCSS duct		13-Feb-23	03-Apr-23	25-Nov-23	17-Jan-24	234	6.00								•
5A-5598	MCEB(E) - Road formation Pavement (Sub-base, Road Base and Base Course)		04-Apr-23	25-Apr-23	05-Jan-26	21-Jan-26	810	2.00								
5A-5600	MCEB(E) - Sign Gantry G42 Footing x2		04-Apr-23	24-Apr-23	18-Jan-24	02-Feb-24	234	2.00								
5A-5608	BIM - MCWB(E) - Drainage Works / Utilities / TCSS duct Laying	85	13-Feb-23	29-May-23	31-Oct-23	09-Feb-24	212	12.00						_		
SA-5610	MCWB(E) - Drainage Works (Part 483) / / Utilities Laying	28	27-Mar-23	03-Mary-23	06-Dec-25	09-Jan-26	794	4.00								
Kai Fuk Road ((EB) - Maintain 3 traffic lanes until CKR commissioning (PMI 253	157	10-Aug-22 A	22-Apt-23	29-Dec-22	18-Jun-24	339	0.00								
5A-5812	KFR(EB) - 3 kines - UU diversion for CLP/Towngas/HKT/HGC/HKBN; set-back	72	10-Aug-22 A	16-Dec-22	07-Feb-23	08-Feb-23	37									
5A-5848	KFR(EB) - 3 lanes - existing planter removal works	36	31-Aug-22 A	31-Dec-22	24-Apr-23	09-May-23	98									
5A-5840	KFR(EB) - 3 lanes - UU diversion for watermain and drainage; set-back	72	17-Dec-22	21-Mar-23	09-Feb-23	09-May-23	37									
5A-5850	KFR(EB) - 3 lanes - Road works and pavement (for KFR TTA 4)		22-Mar-23	22-Apr-23	10-May-23	07-Jun-23	37									
KFR(EB)-Ada	ditional measures to mitigiate unexpected UU (Risk ID:239)	82	15-Dec-22	30-Mar-23	29-Dec-22	18-Jun-24	355	0,0								
10-8572	KFR TTA 4.1A - Existing fire hydrant near KITEC to be temporarily suspended	17	15-Dec-22	30-Dec-22	07-Feb-23	20-5:b-23	37									
10-8578	(subject to WSD consent) KFR TTA 4.1A - obtain WSD's consent for the shallow cover proposal		23-Dec-22*	19-Jan-23	04-Jan-23	03-Feb-23	7									
							7									
10-8582	KFR TTA 4.1A - obtain HKBN's consent for the shallow cover proposal		23-Dec-22*	19-Jan-23	04-Jan-23	03-Feb-23	/									
10-8586	KFR TTA 4.1A - obtain CLP's consent for the shallow cover proposal		23-Dec-22*	19-Jan-23	04-Jan-23	03-Reb-23	7									
10-8574	KFR TTA 4.1A - obtain TMLG member's consent for the revised TTA Stage 4.1A in TMLG meeting on 29 December 2022	0	29-Dec-22*		29-Dec-22		0			•						
10-8576	KFR TTA 4.1A - prepare the additional on street bus stop after road set back		29-Dec-22	30-Jan-23	20-Jan-23	20-Feb-23	18									
10-8568	KFR TTA 4.18 - Approval of TPRP (assumption)	0	31-Dec-22*		31-Dec-22		0			•						
10-8570	KFR TTA 4.18 -Tree removal for the additional 4 nos of tree & removal of existing planter wall (nightwork)	42	31-Dec-22	25-Feb-23	21-Mar-24	14-May-24	355									
10-8580	KFR TTA 4.1A - Additional protection works for shallow cover - watermain	14	20-Jan-23	11-Feb-23	04-Feb-23	20-Feb-23	7									
10-8584	KFR TTA 4.1A - Additional protection works for shallow cover - HKBN	14	20-Jan-23	11-Feb-23	04-Feb-23	20-Feb-23	7									
10-8588	KFR TTA 4.1A - Additional protection works for shallow cover - CLP	14	20-Jan-23	11-Feb-23	04-Feb-23	20-Feb-23	7									
10-8566	KFR(EB) - 3 lanes - Road works and pavement (for KFR TTA 4.1A)	28	13-Feb-23	16-Mar-23	21-Feb-23	24-Mar-23	7									
10-8566A	KFR(EB) - 3 lanes - Road works and pavement (for KFR TTA 4.1B) (assume	28	27-Feb-23	30-Mar-23	16-May-24	18-Jun-24	355									
CH 6B Re-co	no unexpected UU) nstruction of Existing Box Culvert		15-Dec-22	21-Jan-23	23-Dec-22	02-Feb-23	4	0.00								
	-construction Works		15-Dec-22	21-Jan-23	23-Dec-22	02-Feb-23	4	0.00								
on convert re	Constructor FURS	50		27.001.63	23 00.22	0210023	1	0.04								
Current Mile	stre									Project ID: KTE-WP3	e 1144		Date	R	evision	
Actual Work	Central K	owloo	on Rout	e - Kai	Tak Eas	st (Mont	h 44	Upda	e) (Rev36- CSD)	Baseline:	0_1094		25-Sep-22	Submit CSD Program Submit CSD Program	me Rev 33with M41 M	lon Tr
Citical Remaining V	aaining Work					ing Pro			,,,	Layout: KTE - 3 Mont	hs Rolling Programme	Publication in a	25-Od-22	Submit CSD Program Submit CSD Program	me Rev 34with M42 M	Aon Th
remaining s	TAIN .									Hiter: TASK filters: 3	Months Rolling_1, KTE -	Submission.		Submit CSD Program		
										Page 13 of 18			1			

ID	Activity Name	Orig Dur Start	Finish	Late Start	Late Finish	Total Float	TRA (Day	P3 44 13 21 27 04 11	18 25 24	45	46	28 05	47	19 28	48	8
BC- Reinstate	ament Works	30 15-Dec-22	21-Jan-23	23-Dec-22	02-Feb-23	4	0.0	10 20 27 04		00 10 22 28	VV 12 19		14	20	va. 09	-
68-5782	BC - Reinstate hard paving and related UU	12 15-Dec-22	30-Dec-22	23-Dec-22	09-Jan-23	7		-								
68-5784	BC - Reinstate planter wall in DSD compound	12 31-Dec 22	14-3an-23	10-Jan-23	26-Jan-23	7				_						
68-5786	BC - Transplant 5 nos of tree in DSD compound	3 31-Dec-22	04-Jan-23	20-Jan-23	26-Jan-23	16			-							
6B-5788	BC - Reinstate fending in DSD compound	6 16-Jan-23	21-Jan-23	27-Jan-23	02-Feb-23	7										
6B-5790	BC - Complete reconstruction of Box Culvert	0	21-Jan-23		02-Feb-23	4				•						
Section 4 - E	stablishment Works for Landscape Softworks under	593 01-May-21 A	15-Dec-22	26-Ott-25	26-0d-25	1047	0.0									
Sch_8 Establis	shment Works	593 01-May-21 A	15-Dec-22	26-Oct-25	26-Oct-25	1047	0.0									
8-6128	S4 - Establishment Works for Landscape Softworks under Section 3	365 01-May-21 A	15-Dec-22	26-Oct-25	26-Oct-25	1047	0.0									
8-6130	54 - Completion of the Works in Section 4	0	15-Dec-22		26-Oct-25	1047										
Section 5 - S	lip Road S5 Works (Subject to Excision)	25 27-Mar-23	28-4pr-23	27-Mar-23	28-Apr-23	0	0.0									
Sch_5B S5 - D	rainage and Road Works	25 27-Mar-23	28-Apt-23	27-Mar-23	28-Apr-23	0	0.0									
5B-6202	S5 - Access Date for Part 4B1, 4B2 & 4B3	0 27-Mar-23		27-Mar-23		0								-		
58-6204	S5 - Initial Survey	24 28-Mar-23	28-Apr-23	28-Mar-23	28-Apr-23	0	0.0							_		-
Section 6 - E	scape Route for Slip Road S6 Works (Subject to Exc	161 27-Dec-22	20-0ul-23	28-Dec-22	20 Jul 23	0	20.0									
	Prainage and Road Works	161 27-Dec-22	20-Jul-23	28-Dec-22	20-Jul-23	0	20.0									
5C-6302	S6 - Access Date for Part 3C	0 27-Dec-22		28-Dec-22		1			•							
5C-6304	S6 - Initial Survey	24 28-Dec-22	01-Feb-23	28-Dec-22	01-Feb-23	0	0.0									
5C-6306	S6 - Mobilisation works	24 02-Feb-23	01-Mar-23	02-Feb-23	01-Mar-23	0	0.0			-		-				
5C-6308	S6 - Drainage Works / Utilities Laying / TCSS duding	113 02-Mar-23	20-Jul-23	02-Mar-23	20-Jul-23	0	20.0					-		_		-
5C-6307	S6 - Access Date for Part 4B3	0 27-Mar-23		29-Mar-23		2								•		
5C-6309	S6 - Drainage Works / Utilities Laying / TCSS duct laying (Part 483)	90 27-Mar-23	18-Jul-23	29-Mar-23	20-Jul-23	2									_	
Section 8 - V	entilation and E&M adit and Ring Road Underpass	315 11-May-22 A	05-Jun-23	20-Feb-23	24-Feb-26	806	83.0									
Sch_6A Ventil	ation and E&M Adit Works	189 25-Jul-22 A	21-Apr-23	24-Apr-23	01-Feb-24	235	19.0									
Area Part 1D	1, 1D3, 1B1 & 1B2	98 25-Jul-22 A	17-Jan-23	24-Apr-23	02-Dec-23	257	4.0									
VA - Miscella	neous	98 25-Jul-22 A	17-Jan-23	24-Apr-23	02-Dec-23	257	4.0									
VA - Stage 1	Miscellaneous works	6 15-Dec-22	21-Dec-22	24-Apr-23	29-Apr-23		0.0									
6A-6607	VA - Haul Road preparation & diversion, stage 1 (end May 2021)	6 15-Dec-22	21-Dec-22	24-Apr-23	29-Apr-23	98			-							
VA - Stage 3	Miscellaneous works	92 25-JuF22 A	17-Jan-23	12-Jul-23	02-Dee-23	257	4.0									
6A-6610	VA - Baddfiling up to GL, Stage 3	56 25-Jul-22 A	17-Jan-23	03-Nov-23	02-Dec-23	257	4.0		· · · · · · · · · · · · · · · · · · ·							
6A-6612	Completion of Structure of vent. and E&M Adit within Parts 1B1, 1B2, 1D1, 1D3	0	15-Dec-22		12-Jul-23	163		•								
Area Part 1C	105	141 07-Oct-22 A	21-Apr-23	07-Oct-23	01-Feb-24	235	15.0									
VA - ELS Wor	ks (Parts 1C)	141 07-Oct-22 A	21-Apr-23	07-0a-23	01-Feb-24	235	15.0									
6A-6626	VA - Mobilisation, IC	6 07-0d-22 A	07-0d-22 A	07-Od-23	07-Od-23		0.0									
6A-6628	VA - Install Cofferdam, 1C	22 07-Oct-22 A	03-Jan-23	07-0:t-23	24-0d-23	235	3.0		<u> </u>							
6A-6632	VA - Excavation Down to 1st waing & Strut; Install waing & Strut, 1C	12 04-Jan-23	17-Jan-23	25-Oct-23	07-Nov-23	235	2.0									
6A-6633	VA - Excavation Down to 2nd waling & Strut; Install waling & Strut; 1C	13 18-Jan-23	08-Feb-23	08-Nov-23	22-Nov-23	235	2.0				_					
6A-6634	VA - Excavation Down to 3rd waling & Strut; Install waling & Strut, 1C	16 09-Feb-23	27-Feb-23	23-Nov-23	11-Dec-23	235	2.0					•				
																-
Uument Ida									Project ID: KTE-WP36	M44	25-4	Date 10-22 Submit	Revie CSD Programme	sion Rev 32with M40 M	Checked Aon TYY	iđ
Actual Wor	* Central K							te) (Rev36- CSD)	Baseline: Layout: KTE - 3 Month	s Bolling Programme	25-Se 25-O	ap-22 Submit 1-22 Submit	CSD Programme CSD Programme	Rev 33with M41 M Rev 34with M42 M	Ion TYY Aon TYY	_
Remaining		Th	ree Mon	th Rolli	ng Prog	gram	ne			fonths Rolling_1, KTE - Submis	eion 25-Nc	w-22 Submit	CSD Programme	Rev 35wih M43 M Rev 36wih M44 M	Aon TYY	_

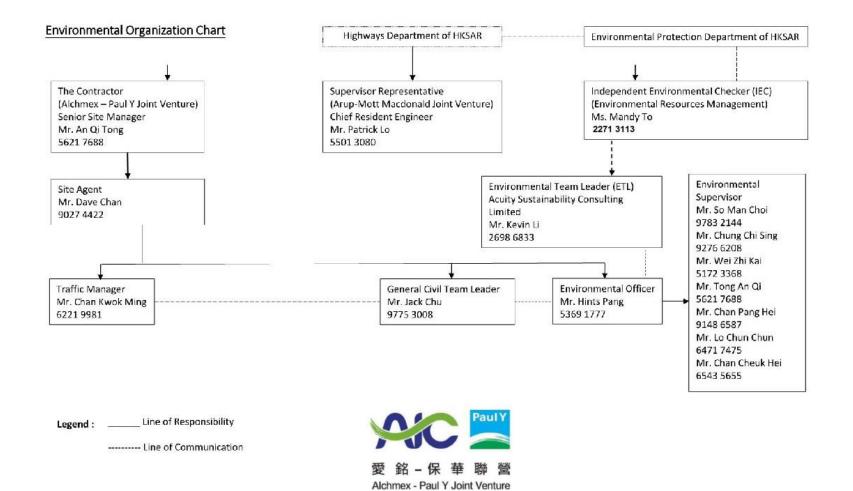
	Activity Name	Orig Dur	Slat	Finish	Lale Start	Late Finish	Total Float	TRA (D	44 bbcamb	xor	45	46			47			
6A-6635	WA - Excavation Down to 4th waling & Strut; Install waling & Strut, 1C	16 28	1-Feb-23 17	-Mar-23	12-Dec-23	02-Jan-24	235	2.	13 20 27 04 11	18 25	01 08 15 22	29 05 12	2 19	26 05	12	19 26	02	-
6A-6636	WA - Excavation Down to 5th waling & Strut; Install waling & Strut, 1C	13 18	-Mar-23 01	-Apr-23	03-Jan-24	17-Jan-24	235	2.									.	
6A-6637	VA - Excavation Down to 6th waling & Strut; Install waling & Strut, 1C	13 03		Apr-23	18-Jan-24	01-Feb-24	235	2										1
ch 4.1 Ring R	Road Underpass	315 11-		-Jun-23	20-Feb-23	24-Feb-26	806	64.)										
	, 1D2, 1D3, 1D4, 1B1 & 1B2	255 11-	May-22 A 20	-Mar-23	20-Feb-23	24-Feb-26	866	32.										
	ions, Pump Sump & FS Plant Room		May-22 A 23		20-Feb-23	24-5eb-26	887	8										
	e with DCS Contractor (1002EM19A)		Mav-22 A 23	C45 12	2010023	14 500 16	007											
				HBD-20	23-1104-23	24-780-20	867											
4-6700-1	RR-DCS pipe laying (stage 1) by DCS contractor- 16 Aug 22 to 9 Oct 22 (stage 1a +1b)			-Dec-22	23-Nov-23		275											
4-6700-2	RR-DCS pipe laying (stage 2) by DCS contractor- 1 Oct 2022 to 21 Nov 2022 (stage 2a+2b)	0 15		-Dec-22	23-Nov-23	23-Nov-23	275											
4-6700-3	RR- DCS pipe laying (stage 3) by DCS contractor- 22 Nov 22 - 31 Jan 23	52 15	-Dec-22 23	Feb-23	24-Dec-25	24-Feb-26	887											
4-6754	RR-R4 - Construct Top Slab	23 22	PDec-22 20	-Jan-23	02-May-23	29-May-23	98	2.										
RR - Bay B5 ((S011 CH0+161 to 0+180)	23 26-	Sep-22 A 24+	Ott-22 A	20-Feb-23	20-Feb-23		2.										
4-6766	RR-R5 - Construct Top Slab	23 26-	Sep-22 A 24-	Oct-22 A	20-Feb-23	20-Feb-23		2)										
RR - Bay B6 ((S011 H0+180 to 0+193.3)	23 08	Od-22 A 28-	0d:22 A	20-Feb 23	20-Fdb-23		2.										
4-6772	RR-R6 - Construct Top Slab	23 08	-Oct-22 A 28-	Oct-22 A	20-Feb-23	20-Feb-23		2,										
RR - Bay <u>B9 (</u>	(S011 CH0+225 to 0+239) (at-grade) (RU3)		-Oct-22 A 27-		20-Feb-23	20-Fub-23		2.										1
4-6790	RR-RU3 - Construct Side Walls 2nd pour	20 17-	Oct-22 A 27-	Oct-22 A	20-Feb-23	20-Feb-23		2.										
RR - Miscellan		73 15		-Mar-23	20-Feb-23	02-Dec-23	210											
	Niscellaneous Works	44 15		Seb 23	03-0#-23	02-04023	210	210										
						23-909-23	231	8.				_						
4-6882	RR - Movement joint / Waterproofing, Stage 2	32 15		-Jan-23	03-Oct-23	09-Nov-23	231	4.				-						1
4-6884	RR - Backfilling up to GL. Stage 2	32 31	-Dec-22 14	Feb-23	17-Od-23	23-Nov-23	231	4.		-								
4-6801	RR - Movement joint / Waterproofing, Stage 4	24 21	L-Jan-23 24	Feb-23	30-May-23	27-Jun-23	98	4.										
4-6802	RR - Baddfiling up to GL. Stage 4	24 11	-Feb-23 10	-Mar-23	13-Jun-23	12-Jul-23	98	4.				_	-		1			
RR - Stage 5	Miscellaneous Works	73 15	i-Dec-22 20	Mar-23	20-Feb-23	02-Dec-23	210	8.										
4-6806	Completion of Structure of Ring Road within Parts 1B1, 1B2, 1D1, 1D3 & 1D4	0	15	Dec-22		20-Rib-23	49	0.	•									÷.
4-6886	RR - Movement joint / Waterproofing, Stage 5	24 15	i-Dec-22 14	-Jan-23	12-Oct-23	09-Nov-23	239	4.										
4-6888	RR - Backfiling up to GL. Stage 5	24 31	-Dec-22 04	Feb-23	27-0d-23	23-Nov-23	239	4.		-								
4-6804	RR - Final completion works	8 11	-Mar-23 20	-Mar-23	24-Nov-23	02-Dec-23	210	0.							<u> </u>			
RR - Part 1C		133 15	i-Dec-22 05	-Jun-23	02-May-23	12-Dec-23	158	32,										
RR - ELS Work	ks (Parts 1C)	34 15		Feb-23	02-May-23	10-Jun-23	104	10.										
4-6826	RR - Excavation Down to 1st waiing & Strut; Install waiing & Strut, 1C	11 15		-Dec-22	02-May-23	13-May-23	104	4.		_								
										_								
4-6828	RR - Excavation Down to 2nd waling & Strut; Install waling & Strut; IC	17 30		-Jan-23	15-May-23		104	4.										
4-6832	RR - Excavation Down to Final Formation Level, 1C			-Feb-23	05-Jun-23	10-Jun-23	104	2.										
RR - RC Struct		75 03	1-Feb-23 06-	May-23	12-Jun-23	08-Sep-23	104	15.										
4-6834	RR - Prepare Pile Head for PCI.	14 03	I-Feb-23 18	Feb-23	12-Jun-23	28-Jun-23	104	2.)					-					

ity ID	Activity Name	Orig Dur Stat	Finish	Lale Start	Late Finish	Total Float	TRA (D	(ay) bmbar #3			Docamber 44				January 45			Februar 46	ŷ.	-		Manch 47	1			April 48	_
4-6836	RR - Construct: Pile Cap PC1	16 20-Feb-23	09-Mar-23	29-Jun-23	18-Jul-23	104	2.	13	20 27	64	11	18	25 01	08	15	22 2	9 05	12	19	26	05	12	19	26	02	09	16
RR - Bay R1	. (S011 CH0+118.88 to 0+130)	45 10-Mar-23	06-May-23	19-Jul-23	08-Sep-23	104	7.	.00																			
4-6838	RR-R1 - Construct Base slab	12 10-Mar-23	23-Mar-23	19-Jul-23	01-Aug-23	104	2	2.00															_				
4-6840	RR-R1 - Construct External Wall	14 24-Mar-23	13-4pr-23	02-Aug-23	17-Aug-23	104		.00																		_	
4-6842	RRRI - Construct Top Slab	19 14-Apr-23	06-May-23	18-Aug-23	08-Sep-23	104		1.00															1			_	_
	(\$011 CH0+130 to 0+130)	22 24.5(m-22	22-405-23	15-Aug-22	09.540-22	115	4																				
4-6738		10 24 Mar 22	04 her 33	15 Aug 22	25 444 22	115	2																				
10.000	RR-R2 - Construct Base slab	10 24-Mar-23	04-Apr-23	15-Aug-23	25-Aug-23	115		2.00																			
4-6740	RR-R2 - Construct External Wall	12 06-Apr-23	22-Apr-23	26-Aug-23	08-Sep-23	115		2.00																			
	ineous Works	50 01-Apr-23	05-Jun-23	14-Oct-23	12-Deo-23	158		.00																			
4-6844	RR - Install Profile Barriers	50 01-Apr-23	05-Jun-23	14-Oct-23	12-Dec-23	158	7.	.00																			-
Section 9 - V	Norks in Part 3A (Site Accommodation)							00																			
Sch_1 Site Ao	rommodation	1265 30-Od-19 A	16-Apr-23	15-Dec-22	16-Apr-23	0	0.	.00																			
1-6904	SA - Site Accommodation	1237 30-Od-19 A	19-Mar-23	15-Dec-22	19-Mar-23	0	0.	0.00	-	-		-		-	-				-		-		•				
1-6906	SA - Notify to demolish site accommodation at Part 3A (5 w/s before Handover)	0 20-Mar-23		20-Mar-23		0																	•				
1-6908	SA - Demolish Site Accommodation & Vacation of Part 3A	28 20-Mar-23	16-Apr-23	20-Mar-23	16-Apr-23	0	0.	.00															-		_	-	•
Section 10 -	Footbridge, E&M Installation and Miscellaneous Wc	118 20-Sep-22 A	21-Mar-23	02-Feb-23	04-May-23	33	9.	.00																			
Sch_7 Abande	on Exisitng Subway KS-20	118 20-Sep-22 A	21-Mar-23	02-Feb-23	04-May-23	33	9.	.00																			
KS-20 - Dem	olistion / Filling Works	118 20-Sep-22 A	21-Mar-23	02-Feb-23	04-May-23	33	9.	.00																			
Kai Fuk Road	1 (EB)	118 20-5ep-22 A	21-Mar-23	02-Feb-23	01-May-23	33	9.	.00																			
7-7314	KS20 - Instal sheetpile along Kai Fuk Road Ramp (EB)	11 20-Sep-22 A	24-Sep-22 A	03-Mar-23	03-Mar-23		2.	2.00																			
10-8564	S019 - Reconstruct Bus Stop Bay (Permanent) (Kai Fuk Road EB) - buse	48 24-Oct-22 A	16-Jan-23	02-Feb-23	02-Mar-23	33									-												
7-7320	sheltar (PMI-508) S019 - Reconstruct Bus Stop Bay (Permanent) (Kai Fuk Road EB) - layby	28 17-Jan-23	24-Feb-23	03-Mar-23	04-Apr-23	33	4	1.00				-															
7-7322	KS20 - Reinstate Footpath / Road pavement	21 25-Feb-23	21-Mar-23	06-Apr-23	04-May-23	33		1.00															<u> </u>				
7-7334	KS20 - Complete Abandon of Existing Subway	0	21-Mar-23	00 141 25	01-May-23	33																					
		158 13-Sep-22 A	15-Apr-23	14-Dec-22	26-Sep-24	35	10																1				
	Structure of Bridge CKRE	158 13-Sep-22 A		14-Dec-22	26-Sep-24	429	18.																				
	ige CKRE Works																										
	aps, Pier / Abutment	61 13-Sep-22 A	24-Dec-22	14-Dec-22	12-Jan-23	13		1.00																			
Abutment A-		9 15-Dec-22	24-Dec-22	03-Jan-23	12-Jan-23	13		1.00																			
3.10-7538	OKRE - A-K1-CKRE Install Permeate Membrane and Baddill	9 15-Dec-22	24-Dec-22	03-Jan-23	12-Jan-23	13		0.00																			
Abutment A-		31 13-Sep-22 A	19-Nov-22 A	14-Dec-22	14-Dec-22			.00																			
3.10-7572	CKRE - Construct Abutment A-K1-CKRE	22 13-5ep-22 A			14-Dec-22			1.00																			
3.10-7574	CKRE - A-K4-CKRE Install Permeate Membrane and Backfill	9 20-Sep-22 A	29-Sep-22 A	14-Dec-22	14-Dec-22		0.	0.00																			
CKRE - Deck		101 27-Sep-22 A	03-Feb-23	14-Dec-22	10-Feb-23	6	4.	1.00																			
CKRE- Span	K1-CKRE - K5-CKRE	69 27-5ep-22 A	22-Dec-22	14-Dec-22	28-Dec-22	3	0.	0.00													-			1			
3.10-7580	OKRE - Span K1-K5 Install Bearings	6 27-Sep-22 A	05-Oct-22 A	14-Dec-22	14-Dec-22		0.	0.00																			
3.10-7582	CKRE - Span K1-K5 Web and Soffit	20 06-Oct-22 A	30-Nov-22 A	14-Dec-22	14-Dec-22		0.		-																		
3.10-7584	CKRE - Span K1-K5 Deck Sedion	16 01-Dec-22 A	22-Dec-22	19-Dec-22	28-Dec-22	3	0.	.00		-	-	-															
CKRE- Span	K5-CKRE - K4-CKRE	95 14-Oct-22 A	03-Feb-23	14-Dec-22	10-Feb-23	6	4.	1.00																			
Uurrent Mi	liedroa											Deci	ct ID: KTE-V	ND26 144						Date			Revision			heded	
Actual Wo	* Central K	owloon Rout	te - Kai	Tak Eas	st (Mont	h 44	Upd	Jate) (Rev36-	CSD)		Base	line:						25-5	kug-22 jep-22	Submit	CSD Progr	amme Rev	33with M41		Y C	DC DC
Citical Ren	maining Work				ing Prog					,,			ut: KTE - 3 M)d-22 kw-22	Submit 0	CSD Progra	amme Rev	SSwith M43	Man Th Man Th	Y C	DC DC
- werraning	1 man				5							Filter	: TASK filter	s: 3 Month	ns Rolling_1,	, KTE - Sub	omission.			keo-22	Submit 0	CSD Progr	arme Rev	30wih M44	Mon Tri	/ [DC
												Page	16 of 18														

ID	Activity Name	Orig Du	Slat	Finish	Lale Start	Late Finish	Total Float	TRA (Da	mbar Docamb 3 44 13 20 27 04 11	ar 18 25 11	January 45 08 15 22	Fabrua 46 29 05 17	ity 19 1	26 05	March 47 12 19	26 12	4
3.10-7600	CKRE - Span K5-K4 Install Bearings	6	14-Oct-22 A	18-0ct-22 A	14-Dec-22	14-Dec-22		0.0			10 12		10 1			200 122	
3.10-7598	CKRE - Span K5-K4 Falsework and formworks	16	18-Oct-22 A	03-Nov-22 A	14-Dec-22	14-Dec-22		4.0									
3.10-7602	CKRE - Span K5-K4 Web and Soffit	20	04-Nov-22 A	30-Nov-22 A	14-Dec-22	14-Dec 22		0.0									
3.10-7604	CKRE - Span K5-K4 Deck Section	16	01-Dec-22 A	29-Dec-22	14-Dec-22	28-Dec-22	-1	0.0									
3.10-7592	CKRE -Span Post-tensioning and Grouting (Stage 1)	12	30-Dec-22	13-Jan-23	29-Dec-22	12-Jan-23	-1				_						
3.10-7607	CKRE - Bridge CKRE Remove Falsework and Formwork	15	14-Jan-23	03-Feb-23	21-Jan-23	10-Feb-23	6										
CKRE - Miscell	laneous Works	65	14-Jan-23	15-Apr-23	13-Jan-23	26-Sep-24	429	11.0									
CKRE - Works	s for Section 11	66	14-Jan-23	12-Apr-23	13-Jan-23	11-Apr-23	-1	5.0									
3.10-7608	BEM - OKRE - Install Parapet Wall / TCSS duct (L)	39	14-Jan-23	07-Mar-23	13-Jan-23	06-Mar-23	-1	3.0									
3.10-7613	CKRE - End wall construction (Abutment)	24	04-Feb-23	03-Mar-23	11-Feb-23	10-Mar-23	6										
3.10-7612	OKRE - Movement Joint		27-Feb-23	11-Mar-23	25-Feb-23	10-Mar-23	-1	2.0									
3.10-7614	CKRE - Road pavement; Road marking		13-Mar-23	18-Mar-23	11-Mar-23	17-Mar-23	-1	0.0							_		
3.10-7616	CKRE - Final completion works		20-Mar-23	04-Apr-23	18-Mar-23	03-Apr-23	-1	0.0							_		
3.10-7617	CKRE - Preparation for haul road	-		12-Apr-23	04-Apr-23	11-Apr-23	-1	0.0									
					JT79(1-2.5												
3.10-7618	CKRE - Opening to Interfacing Contractors	0		12-Apr-23		11-Apr-23	-1										
CKRE - Rema			08-Mar-23	15-Apr-23	17-Feb-24	26-Sep-24	429	6.0									
3.10-7610	CKRE - Bridge Drainage Works		08-Mar-23	11-Apr-23	17-Feb-24	18-Mar-24	277	2.0									
3.10-7620	CKRE - Road Lighting and Road Fumiture	28	10-Mar-23	15-Apr-23	24-Aug-24	26-Sep-24	429	4.0						-			
Section 12 - I	Underpass S21		25-0d-21 A	15-May-23	09-Dec-22	08-Jun-24											
Sch_4.3 Slip R	toad Underpass S21	453	25-Oct-21 A	15-May-23	09-Dec-22	08-Jun-24	314	22.0									
S21 - RC Stru	icture	12	15-Dec-22	30-Dec-22	16-Dec-22	31-Deo22	1	2.0									
S21 - U-Troug	gh Sections - South (CH000 to CH143.981)	12	15-Dec-22	30-Dec-22	16-Dec-22	31-Dec-22	1	0.0									
S21 - Bay B2	2-10 - At-Grade Slab (CH009.376 to 000)		15-Dec-22	30-Dec-22	16-Dec-22	31-Dec-22											
4-7812	S21-B2-10 - Construct At Grade slab	12	15-Dec-22	30-Dec-22	16-Dec-22	31-Dec-22	1	0.0									
S21 - U-Troug	gh Sections - North (CH205.700 to CH354.957)	12	15-Dec-22	30-Dec-22	16-Dec-22	31-Dec-22	1	2.0									
S21 - Bay B3	I-9 - At Grade Slab Part 3E (CH321.11 to 354.957) Part 3E		15-Dec-22	30-Dec-22	16-Dec-22	31-Dec-22		2.0									
4-7868	S21-83-9 - Construct Al: Grade slab	11	15-Dec-22	30-Dec-22	16-Dec-22	31-Dec-22	1	2.0		<u> </u>							
S21 - Miscella	ineous Works	453	25-Oct-21 A	15-May-23	09-Dec-22	08-Jun-24	314	20.0									
	roofing and Backfilling Works		25-0d-21 A	07-Jan-23	09-Dec-22	31-Dec-22	-5	6.0									
	ctions (CH143.981 to CH205.700)		25-Oct-21 A	21-Dec-22	09-Dec-22	15-Dec-22	5	6.0									
4-7870	S21 - Waterproofing / Novement Joint / Masonry Well (Box Section)		25-Od-21 A	21-Dec-22	09-Dec-22	15-Dec-22	-5	6.0		_							
			22-Dec-22	07.3ap.22	16.0m22	31-0-22		0.4									
4-7814	S21 - Final Completion Works		22-Dec-22	07.00.22	16.0m22	21-0		0.0									
				07-Jan-23	16-Dec-22	31-Dec-22	-5	0.0									
S21 - Roads a			09-Jan-23	15-May-23	03-Jan-23	08-Jun-24	314	14.0									
4-7876	S21 - Install Profile Barriers (1) (ind. TCSS ducting)		09-Jan-23*	11-Apr-23	03-Jan-23	31-Mar-23	-5	5.0									
4-7878	S21 - Install Profile Barriers (2) (ind. TCSS duding)		30-Jan-23	25-Apt-23	17-Nov-23	09-Feb-24	239	5.0									
4-7882	S21 - Road Lighting and Road Furniture	28	12-Apr-23	15-May-23	07-May-24	08-Jun-24	314	4.0									
Section 17 - S	Sleeve pipes for District Cooling System (Subje	ect to 194	25-Apr-22 A	15-Dec-22	08-Dec-22	24-Məy-23	124	3.0									
Uument Ida										Project ID: KTE-WP3	6_M44		Date 25-Aug-2	2 Submit CSI	Revision D Programme Rev 3		Check TYY
Actual World	" Cent	ral Kowlo				•			e) (Rev36- CSD)	Baseline: Lavout: KTE - 3 Mont	hs Rolling Programme		25-Sep-2 25-Od-Z	2 Submit CSI 2 Submit CSI	D Programme Rev : D Programme Rev :	33with M41 Mon 34with M42 Mon	TYY
Remaining			Th	ree Mon	th Rolli	ing Prog	gramr	ne			Ins Rolling Programme Months Rolling_1, KTE - 5	Submission.	25-Nov-2 15-Dep2	2 Submit CSI	D Programme Rev 3	Stwith M43 Mon Stwith M44 Mon	TYY

								Total T Float			44														
Sch_10 Sleeve	e pipes for DCS (Kai Tak River West)		0	15-Dec-22	15-Dec-22	08-Dec-22	08-Dec-22	-6	3.00	20 27 0		18 25	01 0	15	22	29 0	05 12	19	26	05	12	19	26	02	09
DCS-West Sec			0	15-Dec-22	15-Dec-22	08-Dec-22	08-Dec-22	-6	3.00																
10-8478	DCS(W)_A - Reinstatement (Pavement / fending	(etc.)				08-Dec-22	08-Dec-22	-6	3.00																
		, uii)		25-Apr-22 A					0.00																
	e pipes for DCS (Kai Tak River East)					24-May-23	24-May-23	124																	
	tion 1 (approx 37.5m)			25-Apr-22 A		24-May-23	24-May-23	124	0.00																
10-8524A	DCS(E) - Baddfilling works in DCS area (up to 0	L)	36	25-Apr-22 A	15-Dec-22	24-May-23	24-May-23	124																	
DCS-East Port	tion 2 (approx 37.5m)		28	25-Apr-22 A	15-Dec-22	24-May-23	24-May-23	124	0.00																
10-8536A	DCS(E) - Baddilling works in DCS area (up to 0	L)	28	25-Apr-22 A	15-Dec-22	24-May-23	24-May-23	124	i i		en et en en et						···· ÷····								

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	EL			
Exceedance for one sample	 Identify source, investigate the causes of exceedance and propose remedial measures; Inform ER, Contractor and EPD; 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET and 	 Confirm receipt of notification of failure in writing; Notify Contractor; Ensure remedial measures 	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within 3 working days

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

Note:

ET – Environmental Team

IEC – Independent Environmental Checker

ER – Engineer's Representative

Appendix F Environmental Mitigation Implementation Schedule (EMIS)

Environm	ental M	itigation Implementation Schedule – Contra	ict No.: $HY/20$	18/02 (Kai Tak I	East)			
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 after reminder
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 after reminder

Environmental Mitigation Implementation Schedule - Contract No.: HY/2018/02 (Kai Tak East)

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

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
		 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 after reminder

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
		 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

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
			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 Phas	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; 						

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
		 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 						

EIA Ref.	EM& A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		 the 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

EIA Ref.	EM& A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		 The 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

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
		 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. 						

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
		any prohibited substances such as TPH products should be removed as necessary by installing the petrol interceptor.						
S6.9.1.6	W6	 Accidental Spillage 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

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
\$7.5.1	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

Е	IA 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
57	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. 	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	 Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETWB TCW No. 19/2005 	Implemented
S7	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

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
\$7.5.1	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 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; 	To control pollution due to marine sediment	Contractor	Along CKR alignment	Construction stage	• ETWB TCW No. 34/2002	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
		 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 reminder

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

EIA Ref.	EM& A Log Ref.	 Recommended Mitigation Measures Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection 	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		scheme should be considered by the Contractor.	T	Contonination				
S8.9 & Appendix 8.4 S8.9 & Appendix 8.4	LC2 LC3	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. 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 Acceptance Criteria PBH4 PCBs RBRGs (Public Park).	Land 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 Remediation Goals (RBRGs) for Contaminated Land Management 	N/A N/A

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
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 						N/A
		construction/development works within the sites. No construction/development works shall be carried out prior to the endorsement of the RR by EPD.						
			Haz	ard to Life				
S9.18	H8	The driver and his assistant should be physically healthy, experienced and have good safe driving records. The driver should hold a proper driving licence for the approved transport truck. Dedicated training programme and regular road safety briefing sessions/ workshops should be provided to enhance their safe driving attitude and practice. Smoking should be strictly prohibited.	To reduce the risk during explosives transport	Contractor	Works areas at which explosives would be used	Construction stage	-	N/A
\$9.18	H9	Emergency response plans in case of road accident should be prepared and implemented. The driver and his assistant should be familiar with the emergency procedures including evacuation, and proper communication/ fire-fighting equipment should be provided to the driver and his assistant.	To reduce the risk during explosives transport	Contractor	Works areas at which explosives would be used	Construction stage	-	N/A

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
			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) 	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	Section, DEVB • ETWB TCW 2/2004 • ETWB TCW 3/2006 • Latest recommended horticultural practices from	N/A

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

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)						
		Cr	ultural Heritage In	npact (Constructior	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 Take East

Environmental Monitoring Schedule (January 2023)

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

Appendix H Calibration Certificates (Air Monitoring)





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

Verification Test Date:	27-Mar-22	to	3-Apr-22
Next Verification Test Date:	4-Apr-23		
Unit-under-Test- Model No.	Sibata LD-5R		
Unit-under-Test Serial No.	882150		
Our Report Refrence No.	RPT-22-HVS-0	001	

Standard Equipment Information			
Verification Equipment Type		Tisch's TSP	Tish HVS
verification equipment Type		HVS	Calibrator
Standard Equipment Model No.		TE-5170X	TE-5028A
Equipment serial no.	MFC	1049	3702
Last Calibration Date		22-Mar-22	3-Aug-21
Next Calibration Date		21-Jun-22	4-Aug-22

Verification	Date		Time		K-Factor	Counts/ Minute (R)	Total Counts	TSP Sample	Dust Concentration (ug/m3), (C)
Test No.		Start-time	End-time	Elapsed Time (in min)	K-Factor (K=C/R)	x-axis	(TC)	ID No.	y axis
1	27/3/2022	4945.81	4949.09	196.80	0.00087	58	11349	R220486/1	50
2	27/3/2022	4949.09	4952.83	224.40	0.00078	68	15259	R220486/2	53
3	27/3/2022	4952.83	4956.42	215.40	0.00077	62	13283	R220486/3	47
4	3/4/2022	4991.80	4995.40	216.00	0.00042	53	11448	R220538/1	22
5	3/4/2022	4995.40	4998.79	203.40	0.00040	58	11729	R220538/2	23
6	3/4/2022	4998.79	5002.26	208.20	0.00060	61	12770	R220538/3	37
					0.00064				

0.6

K-Factor to be inputted in LD-5R (corrected 1 decimal point):

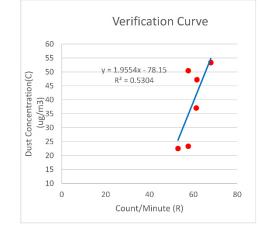
By Linear Regression of y on x:

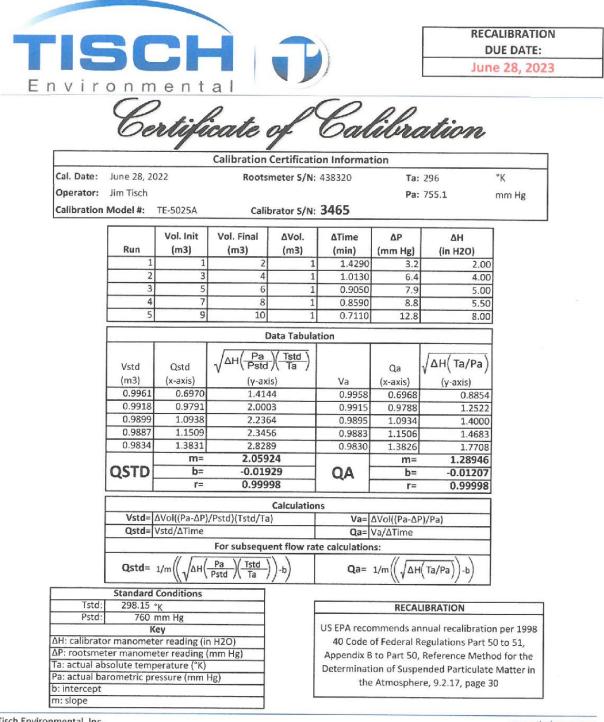
slope, mh= 1.9554 intercept,ch= -78.1505 *Correlation Coefficient,R= 0.7283

Verification Test Result: <u>Strong Correlation, Results were accepted.</u> * If the Correlation Coefficient, R is <0.5. Checking and Re-

verification are required.

Date: 14-04-2022





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

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

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		Site	Information		
Location:	Emax	Site ID:		Date:	24-Dec-2022
Serial No:	1049	Model:	TE-5170X	Operator:	Kate Wong
		Ambi	ent Conditio	n	
Corrected Pre	essure (mm Hg):	765.9	Temperature		290.1
		Calib	ration Orifice	e	
Model:		Т	'E-5028A	Slope:	1.03041
Serial No.:			3702	Intercept:	-0.00231
Calibration D	ue Date:		7-Jan-23	Corr. Coeff:	0.99975
		Cali	bration Data		
Plate or	In,H20	1	a, X-Axis	I, CFM	IC, Y-Axis
Test #	(in)		m3/min)	(chart)	(corrected)
1	1.58		1.244	32.7	33.27
2	2.11		1.437	33.6	34.19
3	2.32		1.506	34.0	34.60
4	2.73		1.634	34.7	35.31
5	3.48		1.844	35.8	36.43
Sampler Calib	otation Relationship (Qa oi	n x-axis, IC	on y-axis)		
m=	5.2970	b=	26.6388	_	Corr. Coeff= 0.9994
Sam	pler set point(SSP)	32	CFM		
			Calculations		
		1.1	m = sampler s	lana	
	rt(H2O(Pa/Pstd)(Tstd/Ta))	-b]	-	•	
	rt(H2O(Pa/Pstd)(Tstd/Ta)) /Pstd)(Tstd/Ta)]	-b]	b = sampler in	ntercept	
IC = I[Sqrt(Pa/	'Pstd)(Tstd/Ta)]	-D]	b = sampler in I = chart respo	ntercept	
IC = I[Sqrt(Pa/ Qstd = standar	Pstd)(Tstd/Ta)] rd flow rate	-D]	b = sampler in I = chart respo Tav = average f	ntercept onse temperature	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected	Pstd)(Tstd/Ta)] rd flow rate chart response	-D]	b = sampler in I = chart respo	ntercept onse temperature	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual char	Pstd)(Tstd/Ta)] rd flow rate chart response t response	-b]	b = sampler in I = chart respo Tav = average f	ntercept onse temperature	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual char m = calibrator	Pstd)(Tstd/Ta)] rd flow rate chart response t response • Qstd slope	-b]	b = sampler in I = chart respo Tav = average f	ntercept onse temperature	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual char m = calibrator b = calibrator	Pstd)(Tstd/Ta)] rd flow rate chart response t response • Qstd slope Qstd intercept	-	b = sampler in I = chart respo Tav = average f	ntercept onse temperature	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual char m = calibrator b = calibrator Ta = actual ten	Pstd)(Tstd/Ta)] rd flow rate chart response t response • Qstd slope	deg K)	b = sampler in I = chart respo Tav = average f	ntercept onse temperature	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual char m = calibrator b = calibrator Ta = actual ten Pa = actual pro	Pstd)(Tstd/Ta)] rd flow rate chart response t response Qstd slope Qstd intercept nperature during calibration ressure during calibration (m	deg K)	b = sampler in I = chart respo Tav = average f	ntercept onse temperature	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual char- m = calibrator b = calibrator Ta = actual ten Pa = actual pre Tstd = 298 deg	Pstd)(Tstd/Ta)] rd flow rate chart response t response Qstd slope Qstd intercept nperature during calibration rssure during calibration (m g K	deg K)	b = sampler in I = chart respo Tav = average f	ntercept onse temperature	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual char m = calibrator b = calibrator Ta = actual ten Pa = actual pre Tstd = 298 deg Pstd = 760 mm	Pstd)(Tstd/Ta)] rd flow rate chart response t response Qstd slope Qstd intercept nperature during calibration rssure during calibration (m g K n Hg	ı (deg K) m Hg)	b = sampler in I = chart respo Tav = average f	ntercept onse temperature	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual char m = calibrator b = calibrator Ta = actual ten Pa = actual pre Tstd = 298 deg Pstd = 760 mm For subsequen	Pstd)(Tstd/Ta)] rd flow rate chart response t response Qstd slope Qstd intercept nperature during calibration rssure during calibration (m g K	ı (deg K) m Hg)	b = sampler in I = chart respo Tav = average f	ntercept onse temperature	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual char m = calibrator b = calibrator Ta = actual ten Pa = actual pre Tstd = 298 deg Pstd = 760 mm For subsequen	Pstd)(Tstd/Ta)] rd flow rate chart response t response Qstd slope Qstd intercept nperature during calibration essure during calibration (m g K n Hg tt calculation of sampler flow	ı (deg K) m Hg)	b = sampler in I = chart respo Tav = average f	ntercept onse temperature	

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		Site	Information		
Location:	Emax	Site ID:		Date:	06-Jan-2023
Serial No:	1049	Model:	TE-5170X	Operator:	Kate Wong
		Amb	ient Conditio	n	
Corrected Pre	essure (mm Hg):	767.0	Temperature	(deg K):	293.0
		Calib	oration Orifice	e	
Model:		1	TE-5028A	Slope:	1.64554
Serial No.:			3702	Intercept:	-0.00368
Calibration D	ue Date:	2	20-Jan-23	Corr. Coeff:	0.99975
		Cali	bration Data		
Plate or	In,H2O		Qa, X-Axis	I, CFM	IC, Y-Axis
Test #	(in)	(m3/min)	(chart)	(corrected)
1	1.53		0.764	31.3	31.71
2	1.99		0.871	32.8	33.23
3	2.23		0.922	33.6	34.04
4	2.87		1.045	35.2	35.67
5	3.22		1.107	36.2	36.68
-	tation Relationship (Qa o				
m=	14.3112	b=	20.7891	_	Corr. Coeff= 0.9996
Sam	pler set point(SSP)	38	CFM	_	
			Calculations		
	rt(H2O(Pa/Pstd)(Tstd/Ta))	-b]	m = sampler s	-	
ic = i[sqrt(Pa/	Pstd)(Tstd/Ta)]		b = sampler in I = chart respo	•	
Qstd = standar	d flow rate		Tav = average		
•	chart response		Pav = average	-	
I = actual chart			Tuv uveruge	pressure	
m = calibrator	1				
	• •				
		ı (deg K)			
b = calibrator	iperature during calibration				
b = calibrator Ta = actual ten	ssure during calibration (m	m Hg)			
b = calibrator Ta = actual ten Pa = actual pre	ssure during calibration (m	m Hg)			
b = calibrator Ta = actual ten Pa = actual pre Tstd = 298 deg	ssure during calibration (m K	m Hg)			
b = calibrator Ta = actual ten Pa = actual pre Tstd = 298 deg Pstd = 760 mm	ssure during calibration (m K				
b = calibrator Ta = actual ten Pa = actual pre Tstd = 298 deg Pstd = 760 mm For subsequen	ssure during calibration (m K Hg				
b = calibrator Ta = actual ten Pa = actual pre Tstd = 298 deg Pstd = 760 mm For subsequen	ssure during calibration (m K Hg t calculation of sampler flov qrt(298/Tav)(Pav/760)]				

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		Site	Information		
Location:	Emax	Site ID:		Date:	19-Jan-2023
Serial No:	1049	Model:	TE-5170X	Operator:	Kate Wong
		Amb	ient Conditio	n	
Corrected Pre	essure (mm Hg):	766.8	Temperature		289.3
		Calik	oration Orifice	e	
Model:		1	ГЕ-5028A	Slope:	1.03041
Serial No.:			3702	Intercept:	-0.00231
Calibration D	ue Date:		2-Feb-23	Corr. Coeff:	0.99975
		Cali	bration Data		
Plate or	In,H2O		Qa, X-Axis	I, CFM	IC, Y-Axis
Test #	(in)		m3/min)	(chart)	(corrected)
1	1.61		1.258	32.6	33.24
2	2.12		1.443	33.6	34.26
3	2.32		1.509	34.0	34.66
4	2.74		1.640	34.6	35.28
5	3.44		1.837	35.8	36.50
Sampler Calib	tation Relationship (Qa or	n x-axis, IC	on y-axis)		
m=	5.5764	b=	26.2130	-	Corr. Coeff= 0.9992
Sam	pler set point(SSP)	32	CFM	_	
			Calculations		
0 std = 1 / m[Solution]	rt(H2O(Pa/Pstd)(Tstd/Ta))	-b]	m = sampler s	-	
	Pstd)[Tstd/Ta]]		b = sampler in	-	
IC = I[Sqrt(Pa/			I = chart resp	onse	
IC = I[Sqrt(Pa/	d flow rate		Tou - overage	tomporaturo	
IC = I[Sqrt(Pa/ Qstd = standar			Tav = average f Pav = average f	-	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected	chart response		Tav = average Pav = average	-	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual chart	chart response response		•	-	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected	chart response response Qstd slope		•	-	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual chart m = calibrator b = calibrator	chart response response Qstd slope	(deg K)	•	-	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual chart m = calibrator b = calibrator Ta = actual ten	chart response response Qstd slope Qstd intercept		•	-	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual chart m = calibrator b = calibrator Ta = actual ten	chart response response Qstd slope Qstd intercept nperature during calibration ssure during calibration (m		•	-	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual chart m = calibrator b = calibrator Ta = actual ten Pa = actual pre	chart response response Qstd slope Qstd intercept pperature during calibration ssure during calibration (m K		•	-	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual chart m = calibrator b = calibrator Ta = actual ten Pa = actual pre Tstd = 298 deg Pstd = 760 mm	chart response response Qstd slope Qstd intercept pperature during calibration ssure during calibration (m K	m Hg)	•	-	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual chart m = calibrator b = calibrator Ta = actual ten Pa = actual pre Tstd = 298 deg Pstd = 760 mm For subsequen	chart response response Qstd slope Qstd intercept operature during calibration ssure during calibration (m K	m Hg)	•	-	
IC = I[Sqrt(Pa/ Qstd = standar IC = corrected I = actual chart m = calibrator b = calibrator Ta = actual ten Pa = actual pre Tstd = 298 deg Pstd = 760 mm For subsequen	chart response response Qstd slope Qstd intercept operature during calibration ssure during calibration (m K Hg t calculation of sampler flow	m Hg)	•	-	

Appendix I The Certification of Laboratory with HOKLAS Accredited Analytical Tests



Appendix J Location Plan of Air Quality Monitoring Station



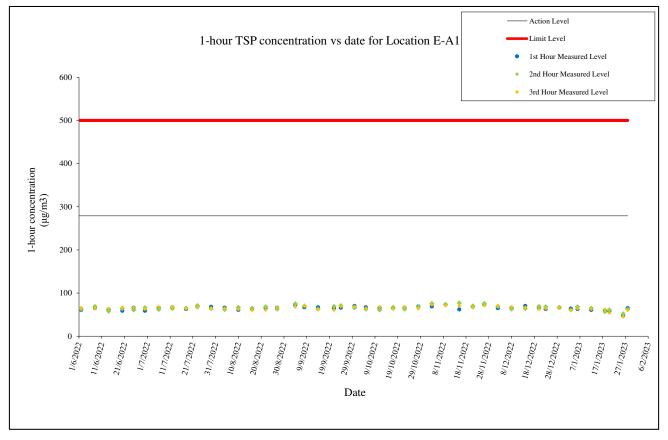
Acuity Sustainability Consulting Limited

Appendix K Monitoring Data (Air Monitoring)

Location:	Hong Kong International Trade and Exhibition Centre (E-A1)
Monitoring date:	3, 6, 12, 18, 20, 26 and 28 January 2023
Parameter:	TSP 1-hour
Other Factors:	Nearby traffic

			1-hour TSP (µ	ug/m ³)	
Date	Weather	Start Time	1 st hour (μg/m ³)	2 nd hour (μg/m ³)	3 rd hour (μg/m ³)
3/1/2023	Fine	12:12	64	61	60
6/1/2023	Fine	12:20	63	68	64
12/1/2023	Fine	12:18	61	65	63
18/1/2023	Fine	12:17	60	57	62
20/1/2023	Fine	10:49	58	61	54
26/1/2023	Fine	11:30	47	52	45
28/1/2023	Fine	12:16	65	62	61

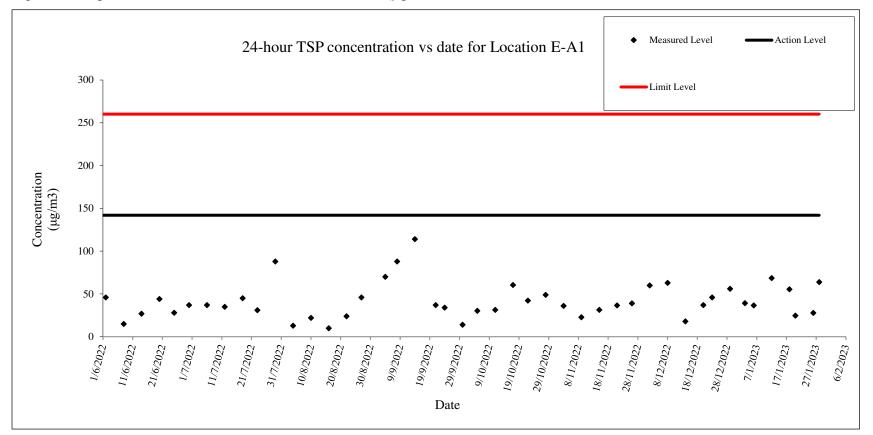
Figure 1: Graphical Illustration of Measured 1-hour TSP ($\mu g/m^3$) Levels at E-A1

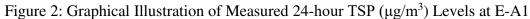


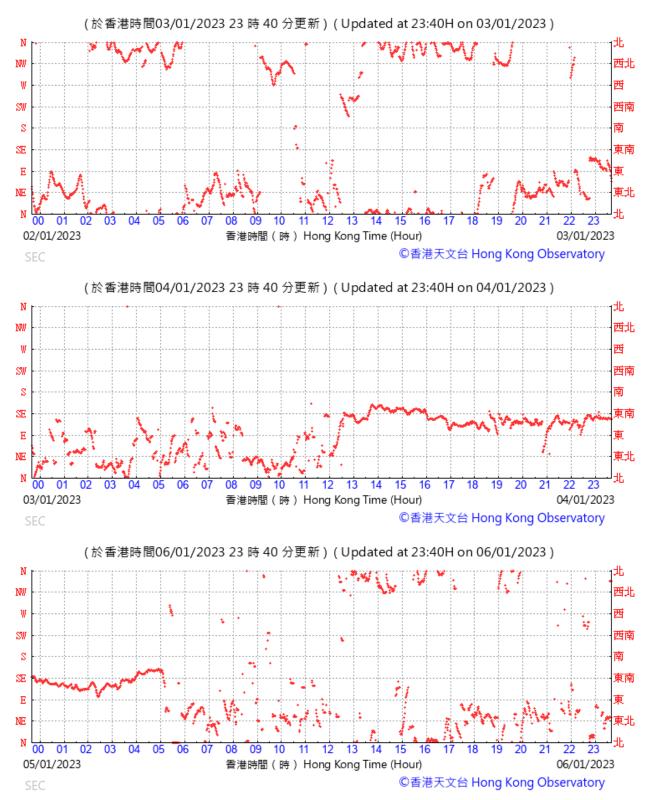
45

Average

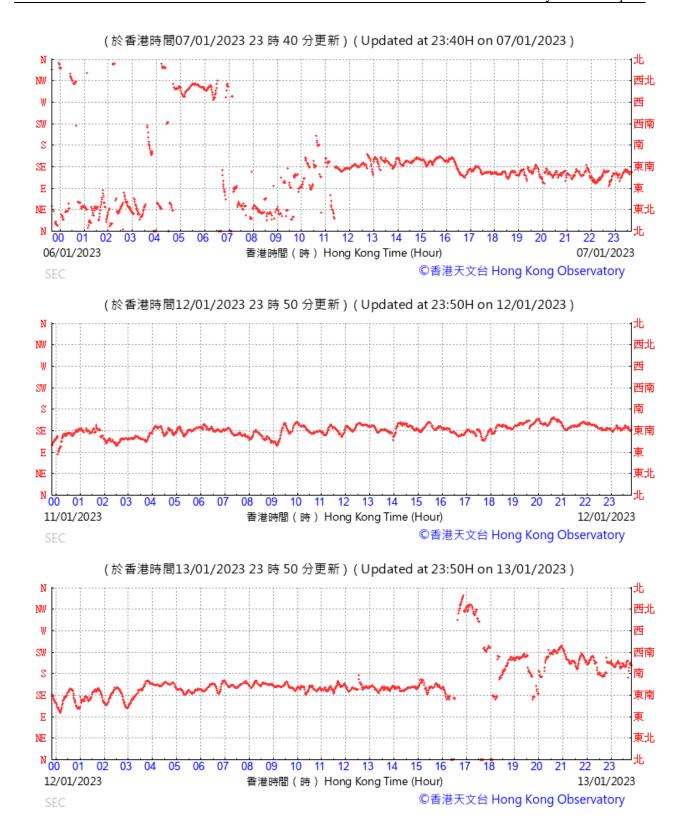
Location Monitor Paramet Other Fa	ring date: er:		3, 6 TSI	0 0	, 20, 26 a ır	and 28 Ja			tion Centro	e (E-A1)					
										Calibrati	Calibration: on due date:	24-Dec-22 7-Jan-23		Slope = Intercept =	5.297
											Calibration:	6-Jan-23		Slope =	14.31
										Calibrati	an dua datar	20 Ion 22		Intercent -	20.70
											on due date:	20-Jan-23		Intercept =	
										Date of	Calibration:	19-Jan-23		Slope =	20.789 5.576 26.211
Start Date	Weather		Elapse Time		с	hart Reading	;	Avg Air Temp	Avg Atmospheric Pressure	Date of					5.576
Start Date	Weather Condition	Initial	Elapse Time Final	Actual (min)	C Min	hart Reading Max	Avg	0	Atmospheric	Date of Calibrati	Calibration: on due date: Standard Air	19-Jan-23 2-Feb-23		Slope = Intercept = Particulate	5.576
Start Date 03/01/2023		Initial 6556.77	-					Temp	Atmospheric Pressure	Date of Calibrati Flow Rate	Calibration: on due date: Standard Air Volume	19-Jan-23 2-Feb-23 Filter W	eight (g)	Slope = Intercept = Particulate weight	5.576 26.21 Con
	Condition		Final	(min)	Min	Max	Avg	Temp (°C)	Atmospheric Pressure (mm hPa)	Date of Calibrati Flow Rate (m ³ /min)	Calibration: on due date: Standard Air Volume (m ³)	19-Jan-23 2-Feb-23 Filter W Initial	eight (g) Final	Slope = Intercept = Particulate weight (g)	5.570 26.21 Con (μg/r
03/01/2023	Condition Fine	6556.77	Final 6580.77	(min) 1440.00	Min 39	Max 40	Avg 39.5	Temp (°C) 17.4	Atmospheric Pressure (mm hPa) 1023.6	Date of Calibrati Flow Rate (m ³ /min) 2.60	Calibration: on due date: Standard Air Volume (m ³) 3739	19-Jan-23 2-Feb-23 Filter W Initial 2.6731	eight (g) Final 2.8196	Slope = Intercept = Particulate weight (g) 0.1465	5.570 26.21 Con (μg/r 39
03/01/2023 06/01/2023	Condition Fine Fine	6556.77 6580.77	Final 6580.77 6604.77	(min) 1440.00 1440.00	Min 39 38	Max 40 41	Avg 39.5 39.5	Temp (°C) 17.4 19.5	Atmospheric Pressure (mm hPa) 1023.6 1021.6	Date of Calibrati Flow Rate (m ³ /min) 2.60 2.55	Calibration: on due date: Standard Air Volume (m ³) 3739 3678	19-Jan-23 2-Feb-23 Filter W Initial 2.6731 2.7590	Final 2.8196 2.8936	Slope = Intercept = Particulate weight (g) 0.1465 0.1346	5.57 26.21 Соп (µg/n 39 37 69
03/01/2023 06/01/2023 12/01/2023	Condition Fine Fine Fine	6556.77 6580.77 6604.77	Final 6580.77 6604.77 6628.77	(min) 1440.00 1440.00 1440.00	Min 39 38 37	Max 40 41 38	Avg 39.5 39.5 37.5	Temp (°C) 17.4 19.5 20.3	Atmospheric Pressure (mm hPa) 1023.6 1021.6 1012.8	Date of Calibrati Flow Rate (m ³ /min) 2.60 2.55 1.19	Calibration: on due date: Standard Air Volume (m ³) 3739 3678 1707	19-Jan-23 2-Feb-23 Filter W Initial 2.6731 2.7590 2.7761	eight (g) Final 2.8196 2.8936 2.8931	Slope = Intercept = Particulate weight (g) 0.1465 0.1346 0.1170	5.57 26.21 Con (μg/r 39 37
03/01/2023 06/01/2023 12/01/2023 18/01/2023	Condition Fine Fine Fine Fine	6556.77 6580.77 6604.77 6628.77	Final 6580.77 6604.77 6628.77 6652.77	(min) 1440.00 1440.00 1440.00 1440.00	Min 39 38 37 39	Max 40 41 38 40	Avg 39.5 39.5 37.5 39.5	Temp (°C) 17.4 19.5 20.3 15.2	Atmospheric Pressure (mm hPa) 1023.6 1021.6 1012.8 1023.2	Date of Calibrati Flow Rate (m ³ /min) 2.60 2.55 1.19 1.38	Calibration: on due date: Standard Air Volume (m ³) 3739 3678 1707 1986	19-Jan-23 2-Feb-23 Filter W Initial 2.6731 2.7590 2.7761 2.7623	Final 2.8196 2.8936 2.8931 2.8725	Slope = Intercept = Particulate weight (g) 0.1465 0.1346 0.1170 0.1102	5.57 26.21 Con (μg/n 39 37 69 55

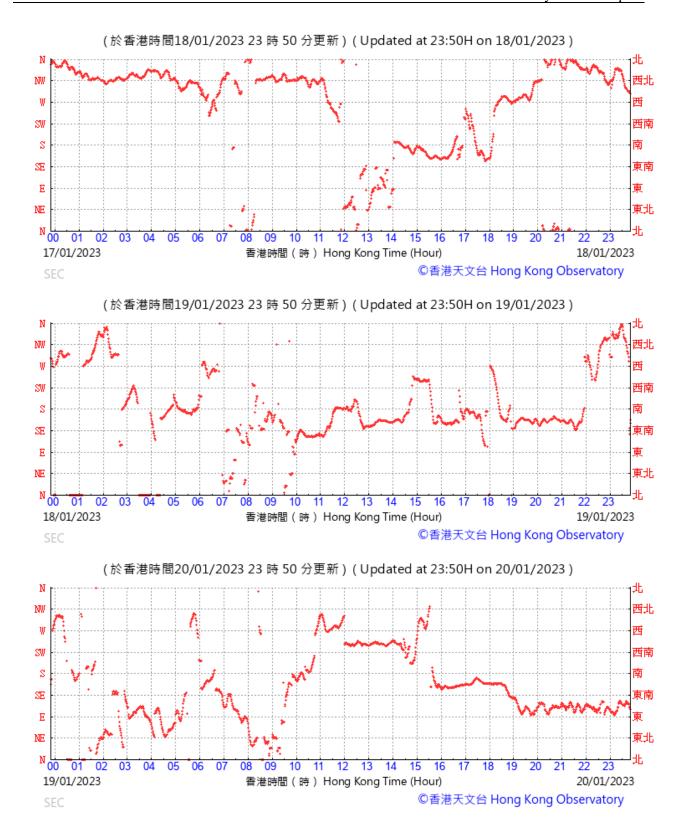


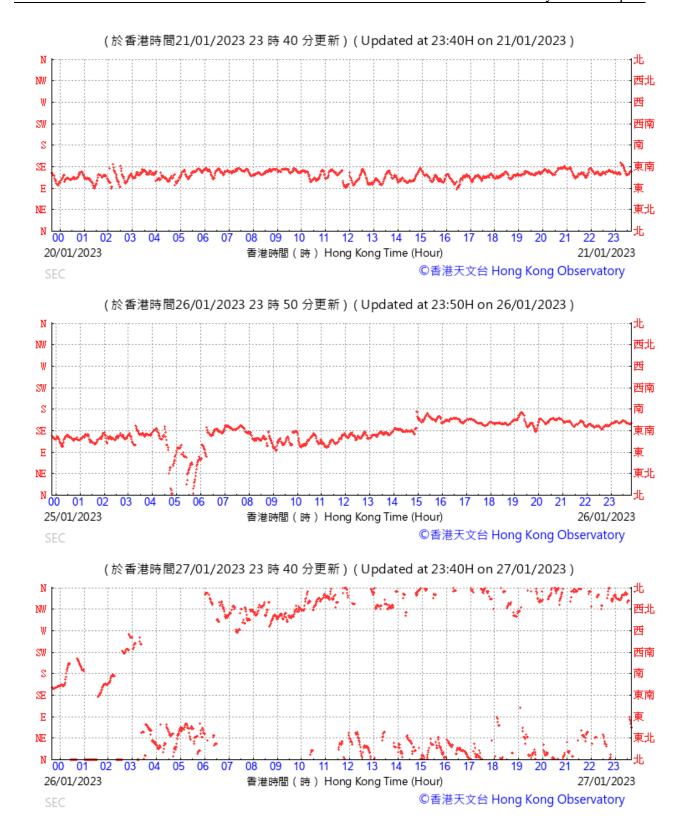


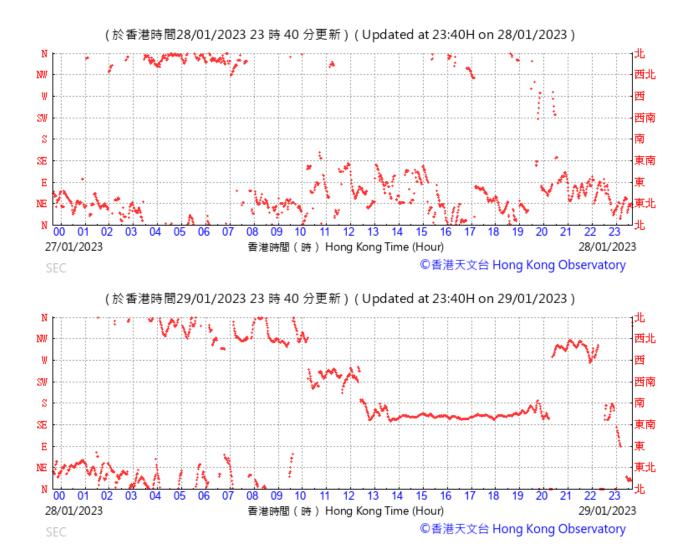


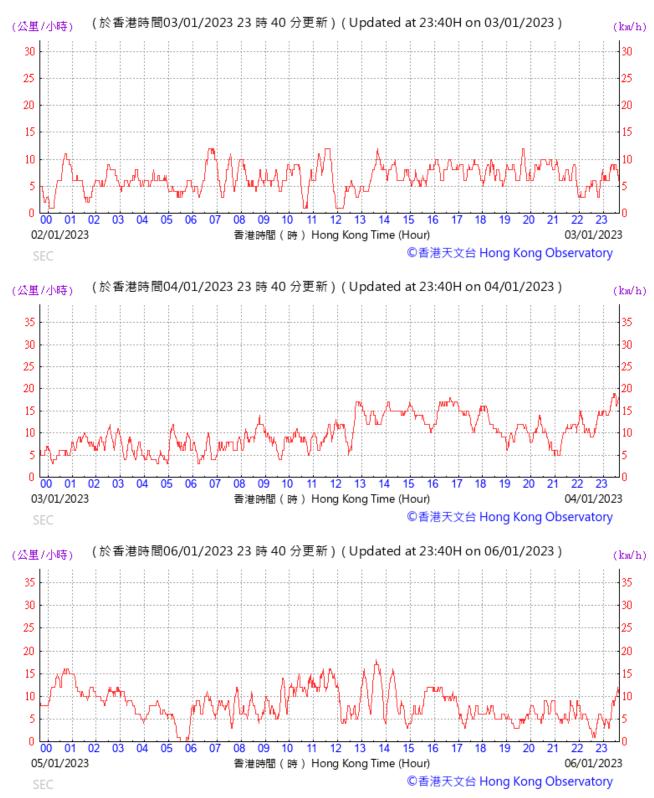
WIND DIRECTION DATA FOR 3, 4, 6, 7, 12, 13, 18, 19, 20, 21, 26, 27, 28 and 29 Jan 2023



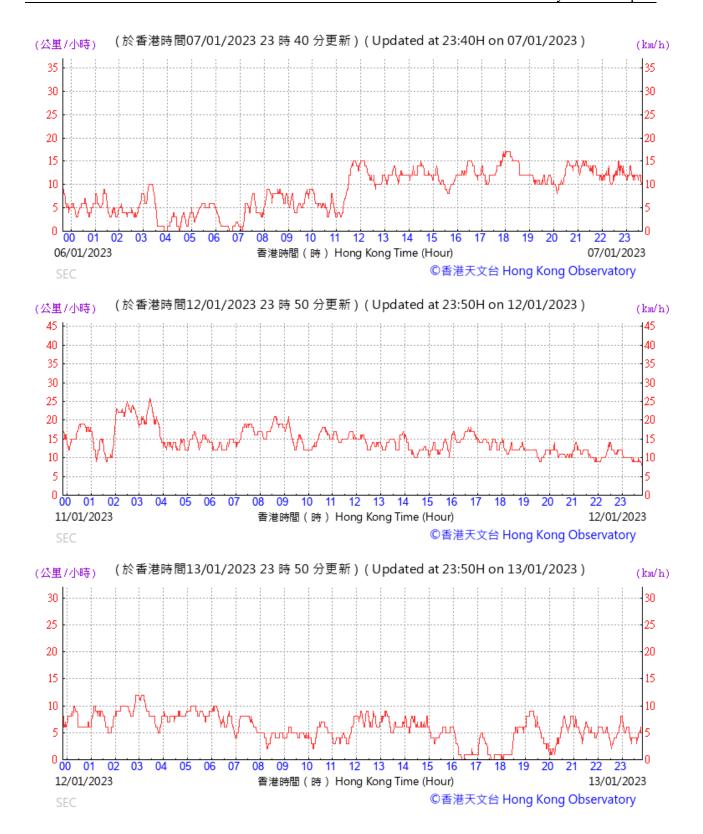


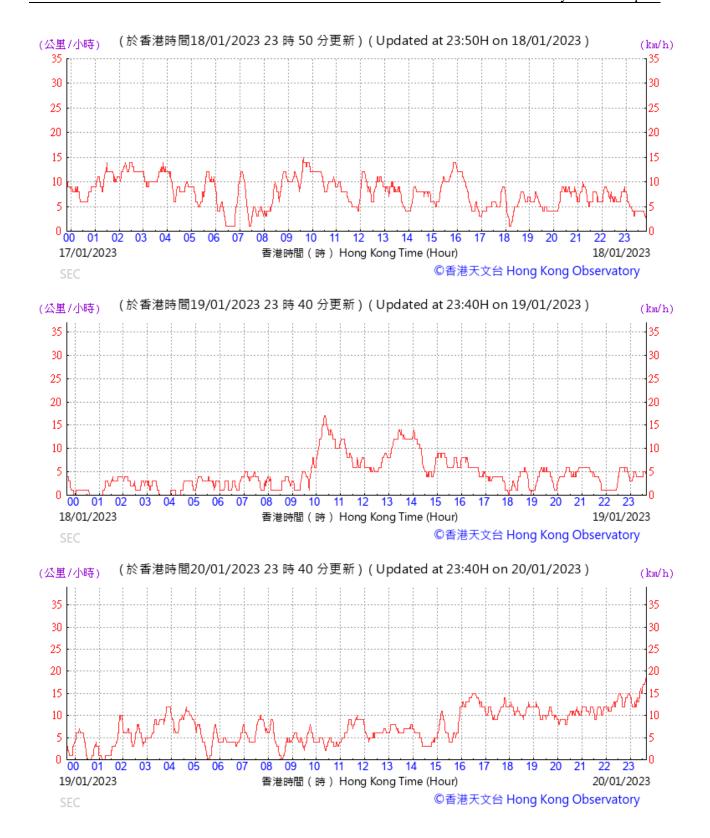


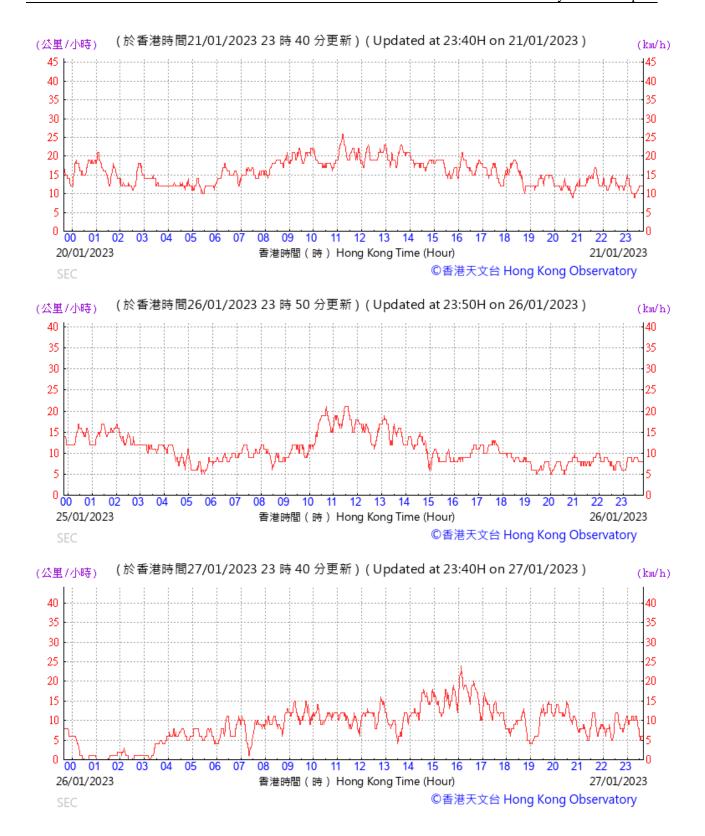


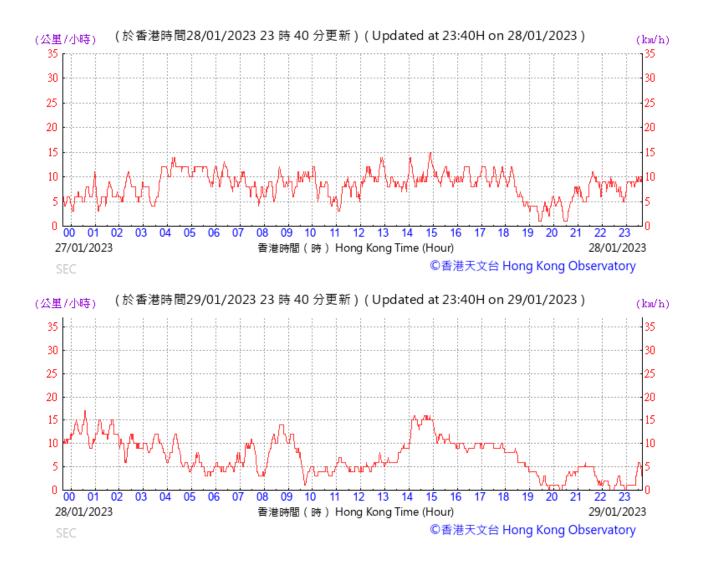


WIND SPEED DATA FOR 3, 4, 6, 7, 12, 13, 18, 19, 20, 21, 26, 27, 28 and 29 Jan 2023









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 - Jan 2023

	Actual Quantities of Inert C&D Material Generated Monthly												Actual Quantities of C&D Waste Generated Monthly							
Month	Total Qty Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects (KSZHJV)	Reused in other	Reused in other Projects (CWB)		Reused in other Projects (KTW)	Reused in other Projects (SFK- DH)			Disposed as Public Fill	Imported Fill	Metals (Steel)	Metals (Aluminum)	Metals (Copper)	Paper/cardboard 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	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	109020.00
Total	260.99	0.34	2.13	2.28	4.40	32.89	0.17	12.83	1.63	20.50	0.62	182.61	1.11	1,258,801.03	48.00	0.00	2,594.00	0.00	80.00	3,456,720.00

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

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

Statistical Summary of Environmental Complaints

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

Statistical Summary of Environmental Non-compliance

Departing Devied	Environmental Non-compliance Statistics		
Reporting Period	Frequency	Cumulative	Details
1 January 2023 - 31 January 2023	0	0	N/A

Statistical Summary of Environmental Summons

Depending Devied	Env	ironmental Summons Statist	ics
Reporting Period	Frequency	Cumulative	Details
1 January 2023 - 31 January 2023	0	0	N/A

Statistical Summary of Environmental Prosecution

Donouting Douiod	Environmental Prosecution Statistics		
Reporting Period	Frequency	Cumulative	Details
1 January 2023			
-	0	0	N/A
31 January 2023			

Appendix N Monitoring Schedule of the Coming Month

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

Tentative Environmental Monitoring Schedule (February 2023)

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

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. 28 (January 2023)

Version 1.0 Date of Report: 8 January 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

CINOTECH CONSULTANTS LTD

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Environmental Permit No. EP-457/2013/D

Central Kowloon Route

Independent Environmental Checker Verification

Works Contract: Buildings, Electrical and Mechanical Works (HY/2019/13	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.28
Date of Report:	7 February 2023 (Version 1.0)
Date received by IEC:	7 February 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:

8 February 2023

Our ref: 0436942_IEC Verification Cert_BEM_Monthly EM&A Rpt No.28_20230208.docx

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- Appendix D Summaries of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

EXECUTIVE SUMMARY

Introduction

- This is the 28th 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 January 2023 – 31st January 2023.
- 2. The major site activities undertaken in Kai Tak East Area in the reporting month included:
 - Excavation & sub-structure 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, 26 & 31 January 2023, whereas joint site inspection with the representative of IEC was conducted on 10 January 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 (January 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	Event Details		Follow-up/ Remedial	Status/ Remarks	
Event	Number	Brief Description	Actions		
Complaints	0	_			
Received	0		_	-	
Notification of					
Summons and	0				
Prosecutions	0	-	-	-	
Received					

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.

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 28th 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 January 2023 – 31st January 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 Key Project Contacts	5
--------------------------------	---

Party	Role	Contact Person	Phone No.
AMMJV	Engineer Representative	Mr. Dennis Yu	3695 0419
Cinotech	Environmental Team	Ms. Betty Choi	2151 2072
ERM	Independent Environmental Checker	Ms. Mandy To	2271 3113
GCL	Contractor	Mr. Harry Lam	9353 6141

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.

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 Period		Status	
Permit / License No.	From	То	Status	
Environmental Permit (EP)				
EP-457/2013/D	15 Jun 2021	N/A	Valid	
Notification of Construction Works	s under Air Pollution	Control Ordinanc	e (APCO)	
457346	19 Jun 2020	End of Project	Valid	
Billing Account for Construction W	Vaste Disposal			
7037679	26 Jun 2020	N/A	Valid	
Registration of Chemical Waste Producer – Kai Tak				
5211-286-G2347-54	15 Jul 2020	N/A	Valid	
Wastewater Discharge Licence - Kai Tak				
WT00037178-2020	18 Dec 2020	31 Dec 2025	Valid	
Construction Noise Permit - Kai Ta	ak Site (General Worl	ks [grouting, piling	g])	
GW-RE0968-22	30 Sep 2022	29 Mar 2023	Valid	
Construction Noise Permit for Works at 2nd office				
GW-RE1014-22	3 Oct 2022	1 Apr 2023	Valid	
Wastewater Discharge Licence at F	Kai Tak Site office			
WT00041796-2022	20 Sep 2022	30 Sep 2027	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&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)				
Jan 2023	1.576	1.576	0.087	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 3, 17 & 31 January 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, 26 & 31 January 2023 in the reporting month. Joint site inspection with the representative of IEC was conducted on 10 January 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	Observations	Follow-up Actions
Water Quality	Quality3 Jan 2023Ponding water should be removed at KVB site		Ponding water has been removed.
Air Quality	N/A	No environmental deficiency was identified in the reporting period.	N/A
Noise N/A No environmental deficiency was identified in the reporting period.		N/A	
('hemical '		Chemical waste should be placed at drip tray at KVB site.	Chemical waste has been removed or placed at trip tray.
Land Contamination	Land No environmental deficiency		N/A
Landscape and Visual	N/A	No environmental deficiency was identified in the reporting period.	N/A
Permits 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**.

Status of Required Submission under Environmental Permit

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 (December)	16 January 2023

7 FUTURE KEY ISSUES

- 7.1 Major site activities undertaken for the coming two months include:
 - Excavation & Sub-structure 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 28th Monthly EM&A Report which presents the EM&A works undertaken in Kai Tak East Area during the reporting month from 1st January 2023 – 31st January 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.

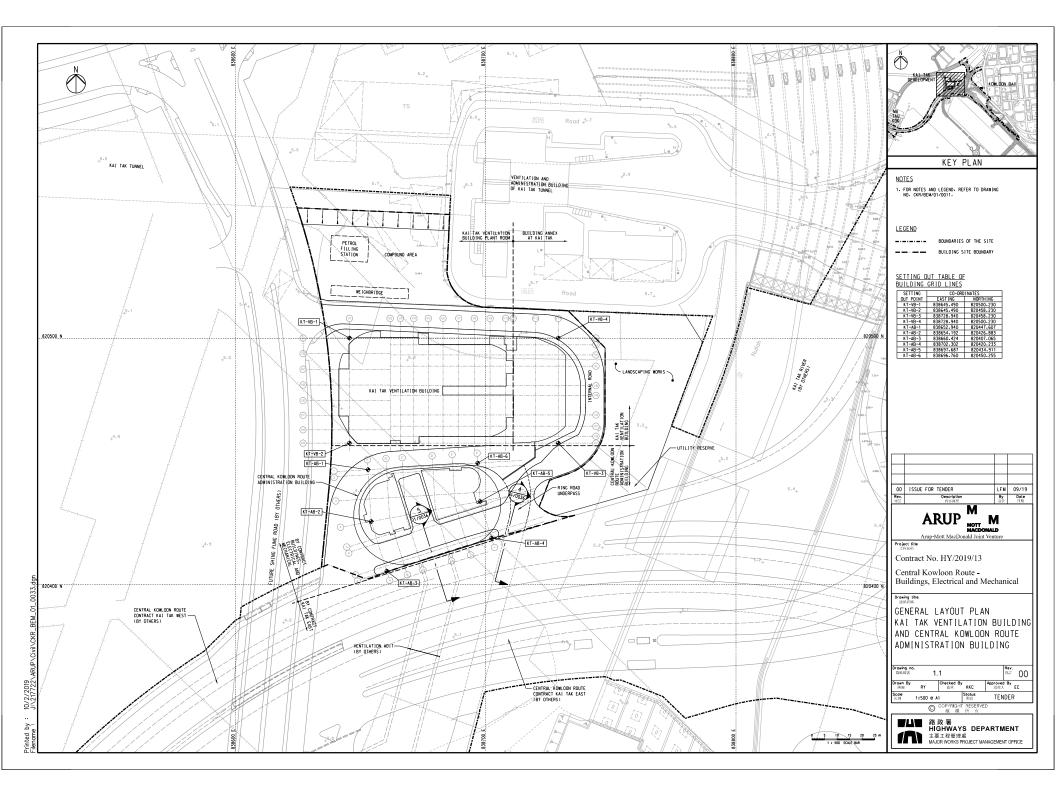
Site Audit

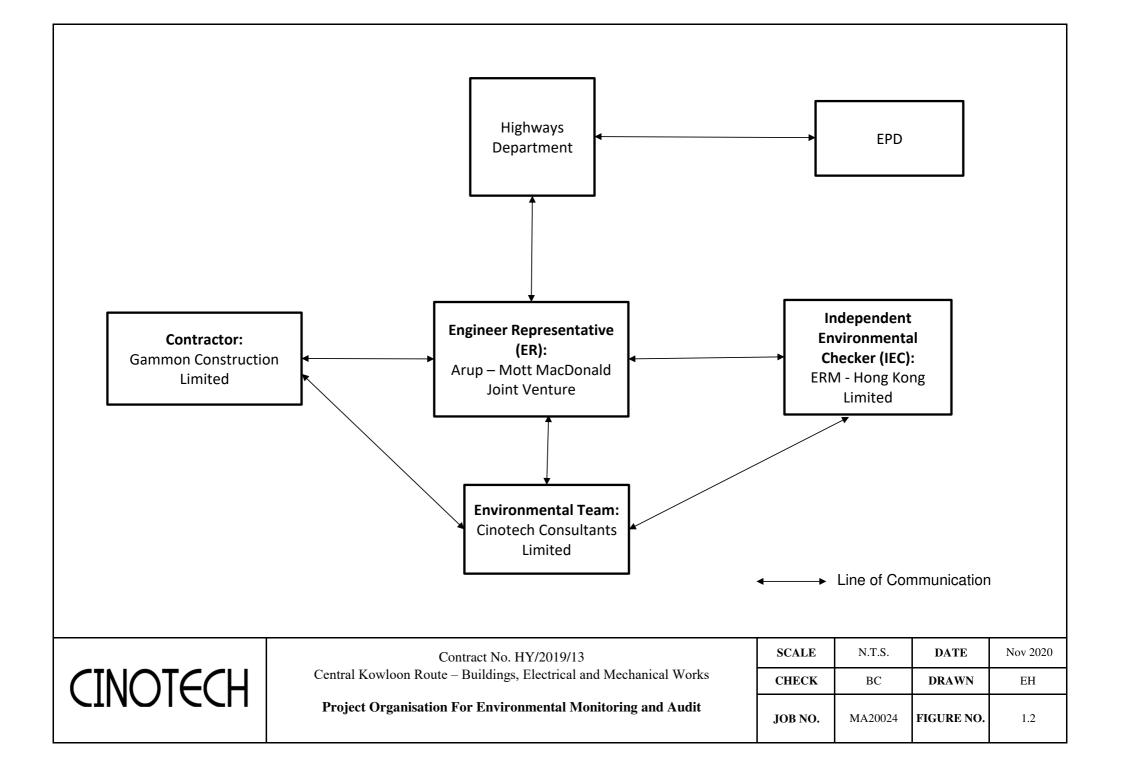
8.4 5 ET joint weekly environmental site inspections were conducted in the reporting month. Joint weekly site inspections with the representative of ET, Engineer Representative and the Contractor were conducted on 3, 10, 17, 26 & 31 January 2023, whereas joint site inspection with the representative of IEC was conducted on 10 January 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

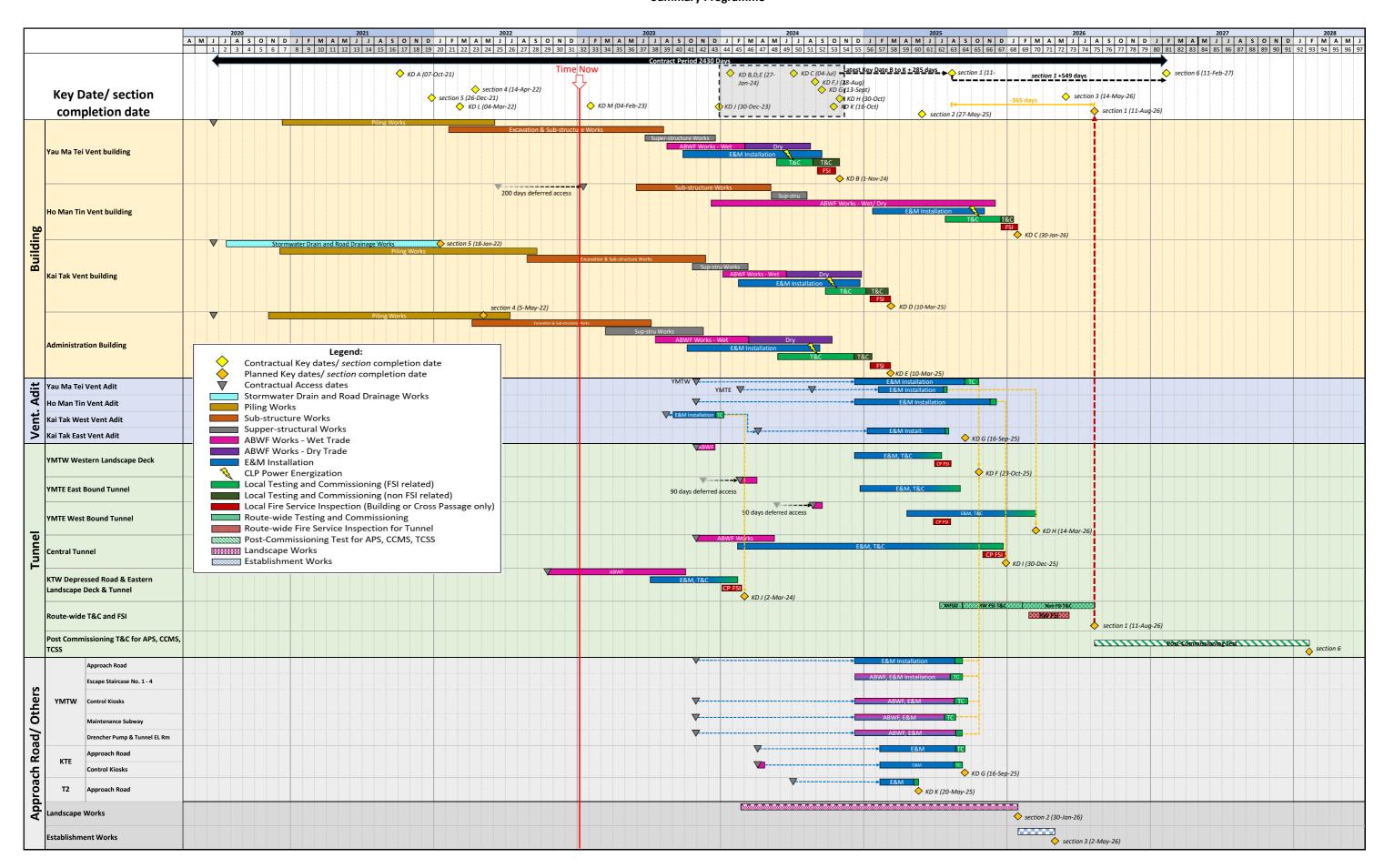




APPENDIX A CONSTRUCTION PROGRAMME



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





APPENDIX B SUMMARY OF WASTE GENERATION AND DISPOSAL RECORDS

Monthly Summary Waste Flow Table

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

Annex 4 to Appendix C

Name of Department: HyD

Contract No.: HY/2019/13

Central Kowloon Route - Buildings, Electrical and Mechanical Works

Kai Tak Site Area

Monthly Summary Waste Flow Table for 2023 (year)	Monthly Summar	y Waste Flow Tal	ble for 2023 (year)
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		Actual Quanti	tes of Inert C&D	Materials Genera	ted Monthly		Actual Quantites of C&D Waste Generated Monthly					
	Total Quantity	Hard Rock and	Reused in the	Reused in	Disposed as	Imported Fill	Metals	Paper /	Plastics	Chemical	Marine	Others, e.g.
	· ·						Ivietais					
	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												
Mar												
Apr												
May												
Jun												
Sub-Total	1.576	0.000	0.000	0.000	1.576	0.000	0.000	0.000	0.000	0.000	0.000	0.087
Jul												
Aug												
Sep												
Oct												
Nov												
Dec												
Total (2023)	1.576	0.000	0.000	0.000	1.576	0.000	0.000	0.000	0.000	0.000	0.000	0.087
Total (whole)	70.514	0.000	0.782	2.615	67.117	0.000	0.000	0.000	0.000	1.080	0.000	0.884

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	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
-	n Dust Impact			~		~ .		
\$4.3.10	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	Construction stage	- APCO - To control the dust impact to meet HKAQO and TM-EIA criteria	۸
\$4.3.10	D2	Mitigation measures in form of regular watering under a good site practice should be adopted. Watering once per hour on exposed worksites and haul road should be conducted to achieve dust removal efficiencies of 91.7%. While the above watering frequencies are to be followed, the extent of watering may vary depending on actual site conditions but should be sufficient to maintain an equivalent intensity of no less than 1.3 L/m2 to achieve the dust removal efficiency.	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	- APCO - To control the dust impact to meet HKAQO and TM-EIA criteria	Α
S4.3.10	D3	Proper watering at exposed spoil should be undertaken throughout the construction phase.	Minimize dust impact at the nearby sensitive receivers	Contractor All constru sites	All construction sites	Construction stage	- APCO - To control the dust impact to meet HKAQO and TM-EIA criteria	٨
		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.						٨
		A stockpile of dusty material should not be extended beyond the pedestrian barriers, fencing or traffic cones.						٨
		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.	x					۸
		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	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
		When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided and properly maintained as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period.						۸
		The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials.						۸
		Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously.						٨
		Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet						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						٨
		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	Implementati on 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
\$4.3.10	D6	Implement regular dust monitoring under EM&A programme during the construction stage.	Monitoring of dust impact	Contractor	Selected rep. dust monitoring station	Construction stage	- TM-EIA	٨
Construction	n Noise (Airbor							
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	۸
		Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.						۸
		Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs.						٨
		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.						۸
		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
\$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	۸

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

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on 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.						Λ
		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.						۸
		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.						Λ
		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.						۸

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on 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.						^
		Adopt best management practices.						^
		All earth works should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable.						۸
\$6.9.1.2	W2	Tunneling Works and Underground Works Cut-&-cover tunneling work should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable.	To minimize construction water quality impact from tunneling works	Contractor	All tunneling portion	Construction stage	- Water Pollution Control Ordinance - ProPECC PN 1/94 - TM-EIAO - TM-DSS	N/A
		Uncontaminated discharge should pass through sedimentation tanks prior to off-site discharge.	-				- IM-D33	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
\$6.9.1.3	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	۸

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status	
\$6.9.1.5		Groundwater from Potential Contaminated Area: No direct discharge of groundwater from contaminated areas should be	To minimize groundwater	Contractor	Excavation areas where	Construction stage	- Water Pollution Control Ordinance	^	
		adopted.	quality impact from		contamination is	singe	- TM-EIAO		
		A discharge license under the WPCO through the Regional Office of EPD for	contaminated area		found		- TM-DSS	۸	
		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.							
		If wastewater treatment is deployed, the wastewater treatment unit shall deploy						٨	
		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						N/A	
		installed as appropriate for recharging the contaminated groundwater back into							
		the ground. The recharging wells should be selected at places where the							
		groundwater quality will not be affected by the recharge operation as indicated							
		in the Section 2.3 of TM-DSS. The baseline groundwater quality shall be determined prior to the selection of the recharge wells, and submit a working							
		plan (including the laboratory analytical results showing the quality of							
		groundwater at the proposed recharge location(s) as well as the pollutant levels							
		of groundwater to be recharged) to EPD for agreement. Pollution levels of							
		groundwater to be recharged shall not be higher than pollutant levels of ambient							
		groundwater at the recharge well. Prior to recharge, any prohibited substances	ces						
		such as TPH products should be removed as necessary by installing the petrol							
		interceptor.							

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
\$6.9.1.6	W6	Accidental Spillage All the tanks, containers, storage area should be bunded and the locations should be locked as far as possible from the sensitive watercourse and stormwater drains.	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	۸
		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.					- 11/1-1233	٨
		Disposal of chemical wastes should be conducted in compliance with the requirements as stated in the Waste Disposal (Chemical Waste) (General) Regulation.						۸
Waste Mana	agement (Const	ruction Waste)	•			•		
\$7.4.1		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 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.	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	^

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
\$7.5.1		Construction and Demolition Material Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement. Carry out on-site sorting.	Good site practice to minimize the waste generation and recycle the C&D materials as	Contractor	All construction sites	Construction stage	Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETWB TCW No.	^ ^
		Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate	far as practicable so as to reduce the amount for final				19/2005	۸
		Adopt 'selective demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible.	vith a view to recovering broken concrete effectively for recycling vhere possible. t a trip-ticket system for each works contract to ensure that the					N/A
		Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified.				٨		
		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.						۸
S7.5.1		<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.	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	sites stage Provisions) Ord Waste Disposa Ordinance	· ETWB TCW No.	Λ	
		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.	disposal					N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
S7.5.1	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 commencemen t of construction works within the contaminated	 Practice Guide (PG) for Investigation and Remediation of Contaminated Land GN/GM for land contamination 	^
\$7.5.1	WM5	Land-based and Marine-based Sediment All construction plant and equipment shall be designed and maintained to minimize the risk of silt, sediments, contaminants or other pollutants being released into the water column or deposited in the locations other than designated location.	To control pollution due to marine sediment	Contractor	Along CKR alignment	Construction stage	• ETWB TCW No. 34/2002	۸
		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.						٨
		All bottom dumping vessels (Hopper barges) shall be fitted with tight fittings seals to their bottom openings to prevent leakage of material.						N/A
		The material shall be placed into the disposal pit by bottom dumping.						N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
		Contaminated marine mud shall be transported by spit barge of not less than 750m3 capacity and capable of rapid opening and discharge at the disposal site.						N/A
		Discharge shall be undertaken rapidly and the hoppers shall be closed immediately. Material adhering to the sides of the hopper shall not be washed out of the hopper and the hopper shall remain closed until the barge returns to the disposal site.						N/A
		For Type 3 special disposal treatment, sealing of contaminant with geosynthetic containment before dropping designated mud pit would be a possible arrangement. A geosynthetic containment method is a method whereby the sediments are sealed in geosynthetic containers and, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping at the disposal site, thereby fulfilling the requirements for fully confined mud disposal.						N/A
S7.5.1	WM6	Chemical waste that is produced, as defined by Schedule 1 of the Waste	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	*
		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.					Waste	A
		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.						۸

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
		Disposal of chemical waste should be via a licensed waste collector, be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers a chemical waste collection service and can supply the necessary storage containers, or be to a reuser of the waste, under approval from EPD.						^
\$7.5.1	WM7	<u>General Refuse</u> General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes.	Minimize production of the general refuse and avoid odour, pest	Contractor			• Waste Disposal Ordinance	٨
		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.	and litter impacts					۸
		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.						۸
		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.						۸
Land Contai	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	Prior to commencemen t of construction works within	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 Remediation Goals (RBRGs) for Contaminated Land Management	N/A
		The excavated contaminated soils would be stockpiled at designated area on site and covered by sheet to prevent dispersion of contamination during stockpiling.				the contaminated area		N/A
		The Contractor should pay attention to the selection of suitable groundwater lowering schemes and discharge points if the groundwater table is higher than the contaminated soils during excavation. The Contractor should also obtain a valid Water Pollution Control Ordinance (WPCO) discharge licence from EPD where applicable.						N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
Hazard to L			m 1 4 11		117 1		· · · · · ·	^
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	,	Å
\$9.18	Н9	Emergency response plans in case of road accident should be prepared and implemented. The driver and his assistant should be familiar with the emergency procedures including evacuation, and proper communication/ fire-fighting equipment should be provided to the driver and his assistant.	To reduce the risk during explosives transport	Contractor	Works areas at which explosives would be used	Construction stage	/	۸
Landscape a	nd Visual			•				
S10.10.1 Table 10.11	LV3	<u>Good Site Management</u> Large temporary stockpiles of excavated material shall be covered with unobtrusive sheeting to prevent dust and dirt spreading to adjacent landscape areas and vegetation, and to create a neat and tidy visual appearance.	Minimize visual impact	Contractor	Within Project site	Construction Phase	/	۸
		Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance.						۸
S10.10.1 Table 10.11	LV4	Screen Hoarding Decorative screen hoarding should be erected to screen the public from the construction area. It should be designed to be compatible with the existing urban context.	Minimize visual impact	Contractor	Within Project site	Construction Phase	/	۸
S10.10.1 Table 10.11	LV5	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	/	۸
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	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
S10.10.1 Table 10.11	LV7	<u>Tree Protection & Preservation</u> Carefully protected during construction. Tree protection measures will be detailed at the Tree Removal Application stage and plans submitted to the relevant Government Department for approval in due course in accordance with ETWB TC no. 3/2006.		Contractor	Within Project site	Construction Phase	 'Guidelines for Tree Risk Management and Assessment Arrangement on an Area Basis and on a Tree Basis', Greening, Landscape and Tree Management (GLTM) Section, DEVB Latest recommended horticultural practices from GLTM Section, 	N/A
S10.10.1 Table 10.11	LV8	Tree Transplantation 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.	*	Contractor	Within Project site and designated off- site locations	Prior to Construction Phase	ETWB TCW 3/2006 Latest recommended horticultural practices from Greening, Landscape and Tree Management (GLTM) Section, DEVB ETWB TCW 2/2004	N/A
S10.10.1 Table 10.11	LV9	Compensatory Planting 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.		Contractor	Within Project site	Construction Phase	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	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
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	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 Iandscape 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)		I I		I		
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.	Ũ	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	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
EM&A Proj	ect							
S13.2	EM1	1 1 1 1	Control EM&A Performance	Highways Department	All construction sites	Construction stage	 EIAO Guidance Note No. 4/2010 TM-EIAO 	٨
\$13.2-13.4	EM2		Perform environmental monitoring & auditing	Highways Department/ Contractor	All construction sites	Construction stage	 EIAO Guidance Note No. 4/2010 TM-EIAO 	٨
		Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures;						۸
		An environmental impact monitoring needs to be implemented by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.						٨

Remarks: E	Remarks: EM&A Programme under EP-457/2013/D							
^	Compliance of mitigation measure;							
N/A N/A(1)	Not applicable at this stage; Not observed;							
*	Recommendation was made during site audit but improved/retified by the contractor;							
#	Recommendation was made during site audit but not yet improved/retified by the contractor;							
Х	Non-compliance of mitigation measure;							
•	Non-compliance but rectified by the contractor.							

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

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: January 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.