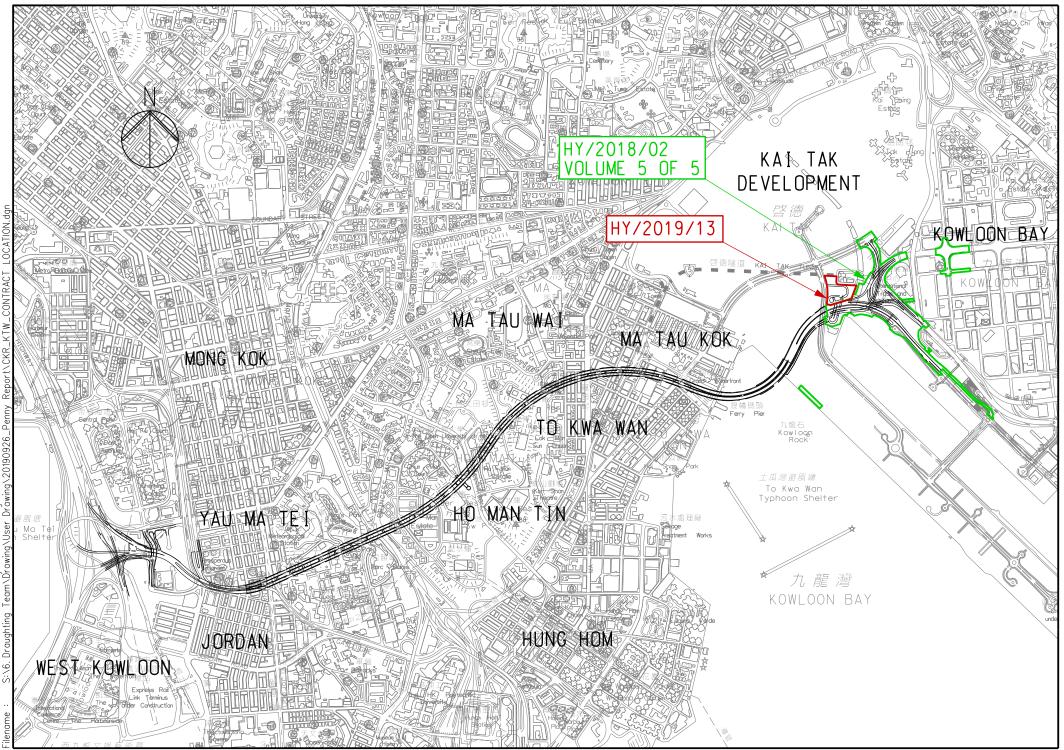
Vol. 5 of 5

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 2022



7/8/2020 1:39:20 PM by lawrence.wong 5:\6.Draughting Team\Drawing\User Dra Printed

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





Environmental Permit No. EP-457/2013/D

Central Kowloon Route

Independent Environmental Checker Verification

Works C	ntract: Kai Tak Ea	st (HY/2018/02)

Reference Document/Plan

Document/ Plan to be Certified/ Verified:	Monthly EM&A Report No.29 (January 2022)
Date of Report:	10 February 2022 (Rev. 1)
Date received by IEC:	10 February 2022

Reference EP Condition

Environmental Permit Condition:

Submission of Monthly EM&A Report of the Project

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

3.4

IEC Verification

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

Mandy 20.

Ms Mandy To Independent Environmental Checker Date:

10 February 2022

Our ref: 0436942_IEC Verification Cert_KTE_Monthly EM&A Rpt No.29.docx



Alchmex – Paul Y Joint Venture

Central Kowloon Route Contract HY/2018/02

Section of Kai Tak East

Monthly EM&A Report No. 29

(Period from 1 to 31 January 2022)

Rev. 1

(10 February 2022)

	Name	Signature
Prepared by	Andres T. T. Lo (Assistant Environmental Consultant)	Ab
Checked & Reviewed by	Philip Y. N. Chan (Environmental Consultant)	Philip
Approved & Certified by	Kevin W. M. Li (Environmental Team Leader)	Ki

TABLE OF CONTENTS

EXECUTIVE SUMMARY

1.	BASIC PROJECT INFORMATION	6
2.	Environmental Status	9
3.	MONITORING RESULTS	10
4.	SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTIONS	15
5.	EM&A SITE INSPECTION	17
6.	FUTURE KEY ISSUES	18
7.	CONCLUSION AND RECOMMENDATIONS	. 19

LIST OF APPENDICES

- A. Alignment and Works Area for the Contract No. HY/2018/02
- B. Construction Programme
- C. Project Organization Chart
- D. Dust Event-Action Plan (EAP)
- E. Noise Event-Action Plan (EAP)
- F. Environmental Mitigation Implementation Schedule (EMIS)
- G. Monitoring Schedules of the Reporting Month
- H. Calibration Certificate (Air Monitoring)
- I. The Certification of Laboratory with HOKLAS Accredited Analytical Tests
- J. Location Plan of Air Quality Monitoring Station
- K. Monitoring Data (Air Monitoring)
- L. Waste Flow Table
- M. Statistics on Complaint, Notifications of Summons and Successful Prosecutions
- N. Monitoring Schedule of the Coming Month

EXECUTIVE SUMMARY

- A.1 Alchmex Paul Y Joint Venture ("Contractor") commenced the construction works of Highway Department (HyD) Central Kowloon Route Contract No. HY/2018/02 – Section of Kai Tak East ("The Project") on 9 September 2019. This is the 29th monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 January 2022 to 31 January 2022.
- A.2 A summary of major Construction activities by Contractor for the Project during the reporting month is listed below.

Construction Activities undertaken

- Bored Pile at Temporary Platform & Kai Cheung U Turn.
- Pile Cap Construction at Portion 1A, Kai Cheung Loop Road & Portion 2B.
- RC structure for Adit at Area Part 1B.
- RC structure for Underpass S3 & S21 at Portion 3B.
- Construction of Temporary Platform at Kai Tak Nallah.
- Retaining Wall Construction at U-Turn & Portion 2B.
- Sheet piling Work at U-Turn.
- Central Divider Removal at Kai Fuk Road.
- 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	5 times
Construction dust (1-hour TSP) monitoring	
E-A1	15 times

- A.4 Joint weekly site inspections were conducted by representatives of Environmental team (ET), Contractor and Engineer on 5, 12, 19, 26, and 31 January 2022. Also, a joint site inspection with Independent Environmental Checker (IEC) was undertaken on 12 January 2022. 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 5 and 19 January 2022. Details of the audit findings and implementation status are presented in Section 5.
- A.6 Details of waste management are presented in Section 3.
- 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 Contractor in next reporting month is listed below:

Construction Activities to be undertaken

- Bored Pile at Kai Cheung U Turn.
- Pile Cap Construction at Portion 1A, Portion 3B & Portion 2B.
- RC structure for Adit at Area Part 1B.
- RC structure for Underpass S3 at Portion 3B.
- Construction of Temporary Platform at Kai Tak Nallah.
- Retaining Wall Construction at U-Turn & Portion 2B.
- Sheetpiling Work at U-Turn.
- Central Divider Removal at Kai Fuk Road.

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.

The alignment and works area for the Contract No. HY/2018/02 - are shown in Appendix A.

1.4. 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 provided by Contractor during this Reporting Month. Construction Activities undertaken

- Bored Pile at Temporary Platform & Kai Cheung U Turn.
- Pile Cap Construction at Portion 1A, Kai Cheung Loop Road & Portion 2B.
- RC structure for Adit at Area Part 1B.
- RC structure for Underpass S3 & S21 at Portion 3B.
- Construction of Temporary Platform at Kai Tak Nallah.
- Retaining Wall Construction at U-Turn & Portion 2B.
- Sheet piling Work at U-Turn.
- Central Divider Removal at Kai Fuk Road.
 - 1.5. The project organisational chart specifying management structure and contact details are shown in Appendix C.
 - 1.6. 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 Status of Valid Environmental Licence,

Permit/ Licences/	Permit/ Licences/ Valid Period			
Notification /Reference No.	From	То	Status	Remark
Environmental Permit				
EP-457/2013/D	15 Jun 2021	End of Project	Valid	-
Wastewater Discharge Lie	cense			
WT00035029-2019	17 Dec 2019	31 Dec 2024	Valid	-
Notification of Constructi	on Works under	the Air Pollution	Control (Construct	ion Dust) Regulation
445001	Apr 2019	Dec 2023	Notified	-
Chemical Waste Producer	r Registration			
WPN5113-247-A2940-01	17 May 2019	End of Project	Valid	-
Billing Account for Dispos	sal of Constructi	on Waste		
7034073	15 Jun 2019	End of Project	Valid	-
Construction Noise Permi	it			
GW-RE0910-21	30-Sep-21	28-Mar-22	Valid	General Work for Area A
GW-RE0920-21	24-Sep-21	22-Mar-22	Valid	General Work for Area B and Site Office
GE-RE0696-21	4-Aug-21	2-Feb-22	Valid	Kai Cheung U Turns
GW-RE0857-21	13-Sep-21	12-Mar-22	Valid	Portion 2B
GW-RE1123-21	25-Nov-21	24-Feb-22	Superseded by GW-RE1306-21	Central Divider Removal at Kai Fuk Road
GW-RE1306-21	18-Jan-22	11-Mar-22	Valid	at Kal Fuk Koad
GW-RE1104-21	25-Nov-21	24-Feb-22	Valid	Existing Gantry Removal at Kai Fuk Road

2. ENVIRONMENTAL STATUS

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

Table 2.1 Summary 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 2021)	14 January 2022

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:

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

Table 2.2 Summary for the location of monitoring station

3. MONITORING RESULTS

3.1. Monitoring Parameters

Air Quality

- 3.1.1 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.
- 3.1.2 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.
- 3.1.3 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.
- 3.2. Monitoring Equipment

Air Quality

- 3.2.1 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).
- 3.2.2 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.
- 3.2.3 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.
- 3.2.4 The equipment used for 1-hour TSP and 24-hour TSP measurement and calibration are summarised in Table 3.1

		0 1 1	
Monitoring Parameter	Monitoring Equipment	Serial Number	Date of Calibration
1-hour TSP	LD-5R Digital Dust Indicator	761173	1 Jul 2021
24-hour TSP	TE-5170X High Volume	1049	6 and 18 Jan 2022
	Sampler		
	TE-5028A Calibration Kit	3702	3 Aug 2021

Table 3.1 Construction Dust Monitoring Equipment

3.3. Monitoring Methodology and QA/QC results

Air Quality

- 3.3.1 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.
- 3.3.2 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.
- 3.3.3 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.
- 3.3.4 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.

3.3.5 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 and ALS Technichem (HK) Pty Ltd) for analysis.
- 3.3.6 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.

3.3.7 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

3.4. Monitoring Locations

Air Quality

3.4.1 During the site visit, air monitoring station Hong Kong International Trade and Exhibition Centre had been recommended in the approved EM&A Manual and approved by IEC. A designated air 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.

Table 3.2 Location of the Dust Monitoring Station

Air Quality Monitoring Station	Dust Monitoring Station
E-A1	Hong Kong International Trade and Exhibition Centre

- 3.5. Monitoring date, time, frequency and duration
- 3.5.1 A summary of impact monitoring duration, sampling parameter and frequency is presented in Table 3.3.

Impact Monitoring	Duration	Sampling 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

 Table 3.3: Summary of Impact Monitoring Programme

3.6. Result Summary

Air Quality

3.6.1 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

	2
Monitoring Station	Major Dust Source
E-A1	Nearby traffic

 Table 3.4 Observation at Dust Monitoring Station

3.6.2 Air quality impact monitoring for the reporting month was carried out on 6, 12, 18, 24 and 29 January 2022 at E-A1.

3.6.3 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.

Monitoring Location	Range(µg/m ³)	Action Level(µg/m ³)	Limit Level(µg/m ³)						
E-A1	54 - 77	279	500						
Ta	Table 3.6 Summary of 24-hour TSP Monitoring Results								
Monitoring Location	Range(µg/m ³)	Action Level(µg/m ³)	Limit Level(µg/m ³)						
E-A1	29-77	142	260						

Waste management

3.6.4 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 3.7. Details of cumulative waste management data are presented as a waste flow table in Appendix L.

			Ç	Juantity		
				Non-inert C&	D Materials	
			Others,			
			e.g.	Recy	ycled material	S
Demontine maria 1	Inert C&D	Chemical	General			
Reporting period	Materials	Waste	Refuse			
	(in 'tonnes)	(in'000 Kg)	disposed			
			at	Paper/card board	Plastics	Metals
			Landfill	(in '000 Kg)	(in '000 Kg)	(in '000 Kg)
			(in			
			'tonnes)			
January-2022	1687.11	0.00	88.98	0.15	0.00	0.00

Table 3.7 Quantities of waste generated from the Projec	Table 3.7 Q	Juantities	of waste	generated	from t	he Proje	ect
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COMPLAINTS, NOTIFICATION 4. SUMMARY OF **SUMMONS** OF AND **PROSECUTIONS**

4.1 The Environmental Complaint Handling Procedure is shown in below Table 4.1:

Table 4.1 Environmental C	omplaint Handling Procedure								
Complaint Received via Project Hotline	Complaint Received via 1823 or from other								
	government departments								
Contractor notify ER, ET and IEC	ER notify Contractor, ET and IEC								
Contractor log complaint and date of receipt on	to the complaint database. Contractor, ER and ET to								
conduct investi	gation of complaint								
If complaint is considered not valid	If complaint is found valid								
ET or ER to reply the complainant if necessary	Contractor to identify and implement remedial								
	measures in consultation with the IEC, ET and								
	ER.								
	The ER, ET and IEC to review the effectiveness								
	of the Contractor's remedial measures and the								
	updated situation; ET to undertake additional								
	monitoring and audit to verify the situation if								
	necessary, and oversee that circumstances leading								
	to the complaint do not recur. ER to conduct								
	further inspection as necessary.								
If the complaint is referred by the EPD, the Cor	ntractor to prepare interim report on the status of the								
complaint investigation and follow-up actions st	ipulated above, including the details of the remedial								
measures and additional monitoring identified	or already taken, for submission to EPD within the								
time frame ass	signed by the EPD								
The ET to record the details of the complaint, res	sults of the investigation, subsequent actions taken to								
address the complaint and updated situation in	cluding the effectiveness of the remedial measures,								
supported by regular and additional mon	itoring results in the monthly EM&A reports								

Table 4.1	Environmental	Complaint	Handling	Procedure

- 4.2. 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.
- 4.3. No exceedance of the Action and Limit Levels of 24-hour TSP and 1-hour TSP monitoring was recorded during the reporting month.
- 4.4. No complaint and non-compliance were received in the reporting month.
- 4.5. No notification of summons and successful prosecution was received in the reporting period.
- 4.6. Statistics on complaints, notifications of summons and successful prosecutions are summarized in Appendix M.

5. EM&A SITE INSPECTION

- 5.1. Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting period, 5 site inspections were carried out by the representative of ET, Contractor and Engineer on 5, 12, 19, 26, and 31 January 2022, along with bi-weekly inspection of the implementation of landscape and visual mitigation measures conducted on 12 and 26 January 2022.
- 5.2. One joint site inspection with IEC also undertaken on 12 January 2022. Minor deficiencies were observed during weekly site inspection. Key observations during the site inspections are summarized in Table 5.1.

Date		Environmental Observations		Follow-up Status
5 January 2022	NA		NA	
	1.	Any gaps and holes on the temporary	1.	The platform was repaired to
12 January 2022		platform shall be plugged to prevent		prevent muddy water
		muddy water leakage.		leaking into the river.
	1.	Stragnant water and oil residue in the	2.	Oil inside the drip tray was
19 January 2022		drip tray should be cleaned at portion		cleared.
		2B.		
26 January 2022	NA		NA	
31 January 2022	NA		NA	

Table 5.1 Site Observations

- 5.3. The Contractor had rectified all observation identified during environmental site inspection in the reporting period.
- 5.4. 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.

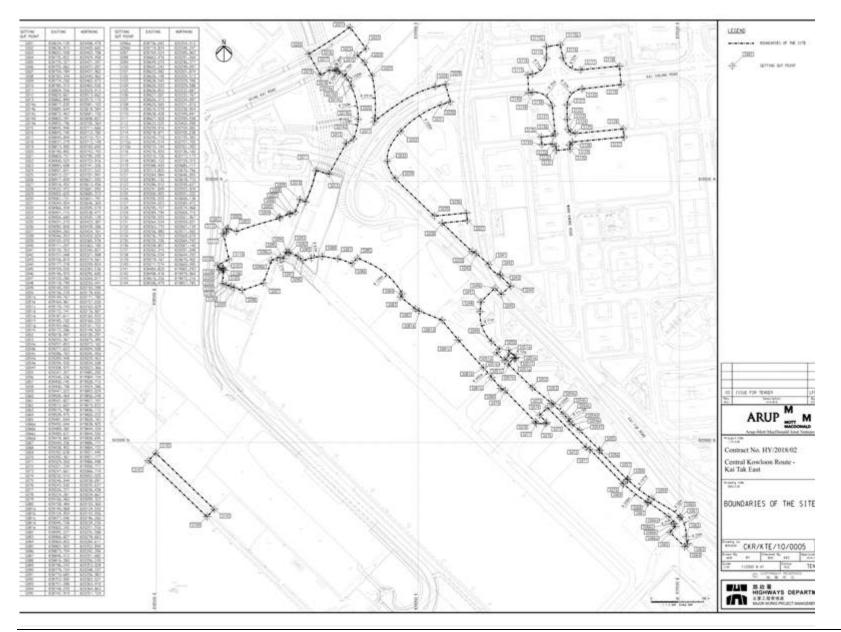
6. **FUTURE KEY ISSUES**

- 6.1. The construction activities provided by Contractor in the next reporting month are:
 - Bored Pile at Kai Cheung U Turn.
 - Pile Cap Construction at Portion 1A,Portion 3B & Portion 2B.
 - RC structure for Adit at Area Part 1B.
 - RC structure for Underpass S3 at Portion 3B.
 - Construction of Temporary Platform at Kai Tak Nallah.
 - Retaining Wall Construction at U-Turn & Portion 2B.
 - Sheetpiling Work at U-Turn.
 - Central Divider Removal at Kai Fuk Road.
- 6.2. Potential environmental impacts arising from the above construction activities are mainly associated with dust and waste management.
- 6.3. The tentative schedule of 1-hour TSP and 24-hour TSP monitoring in the next reporting period is presented in Appendix N.
- 6.4. The construction programme for the Project for the next reporting month is presented in Appendix B.

7. CONCLUSION AND RECOMMENDATIONS

- 7.1. This 29th monthly EM&A Report presents the EM&A works undertaken during the period from 1 January 2022 to 31 January 2022 in accordance with the EM&A Manual and the requirement under EP-457/2013/C and EP-457/2013/D.
- 7.2. 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.
- 7.3. Weekly environmental site inspections by the representative of ET, Contractor and Engineer were conducted during the reporting period. Joint site inspection with IEC were carried out on 12 January 2022. Minor deficiency was observed during site inspection and was rectified within the specified deadlines. The environmental performance of the Project was therefore considered satisfactory.
- 7.4. No complaint and non-compliance situation were received in the reporting month.
- 7.5. No notification of summons or prosecution was received since commencement of the Contract.
- 7.6. 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 Ltd.

Appendix B Construction Programme

ata Date: 25-Dec- int Date: 11-Jan-2		Cent		ntract No. HY/2018/02 owloon Route - Kai Tak East							Alchmex - Paul Y Joint Venture								
ID	Activity Nome		Orig Dur	Stat	Finah	Late Start	Late Firish	Total Float	TRA (Day)	December 32		January 33	Fabria 34	y	March 35	5		April 36	_
entral Kow	loon Route - Kai Tak East (Mor	th 32 Update) (Re	657	28-Feb-20 A	13-Jun-22	21-00-21	23-Dec-25	1041	689.00	28 05 12 19	29 02	09 16 23	30 06 13	3 20 27	06 13	20 2	17 03	10 17	24
	RIES AND GENERAL REQUIRE	Contract Sector Sector Sector Sector Sector	141	11-Nov-21 A	22-401-22	12-00071	102-Sep-23	403	0.00										
	Dates and Milestones								0.00								1 1		
Key Dates			92	12-Jan-22	14-40-22	12-Dec-21	04-Feb-22	-69	0.00										
Sections of t	he Works			12-Jan-22	14-405-22	12-Dec-21	04-Reb-22	-69	0.00										
KD-12	KD12 - Section 12 Completion of Struct. of L	Inderbess \$21 Allow access to	0		12-Jan-22*		12-Dec-21	-31	100										
KD-17	182,102,104,20,2E,30 for Util (645d)		0		14-Apr-22*		04-Feb-22	-69											
17.17	KD17 - Section 17: Comprises the completion Parts 1D4, 2D, 2E & 3D (459 days)	in a seve pois for oco where	5	22-Apr-22	22-40-22	22-Apr-22	22-Apr-22		0.00										
	ect to Excision				20-10-20		zempree	v	0.00										
SE-505	PM's Notify to execute Section 5 of the Work			22-Apr-22*		22-Apr-22		0											
SE-506	PM's Notify to execute Section 6 of the Work	s (Latest Date 1,096 days)	Ð	22-Apr-22*		22-Apr-22		0											
	it Safety Audit Scheme ACC D31	(5)		21-300-22	21+101-22	02-5ep-23	02-560-23		0.00										
Safety Aduit			Q	21-Jan-22	21-3an-22	(12-Sep-23	02-Sep-23	589	0.00										
SA-1112	6th Safety Audit at 6 months intervals		0	21-Jan-22		02-Sep-23		589				•							
Utilities Sch	edule (WSD/DSD/CLP/TG/PCCV	N/HKB/ATC/KT Tun	112	11-Nov-21 A	15-Mar-22	280an/23	02.Sep-23	-1612	0.00										
Utilities Mont	hly Meeting		112	11-Nov-21 A	15-Ma-22	24-3un-23	02-Sep-23	432	0.00										
UU-1044	11st Utilities monthly meeting		0	11-Nov-21 A		24-3un-23													
UU-1046	12nd Utilities monthly meeting		0	07-Jan-22		05-3ul-23		432											
UU-1048	13rd Utilities monthly meeting		0	15-Mar-22		02-Sep-23		432											
DESIGN AN	D ENGINEERING		657	28-ft:b-28 A	13-km-22	10-Ma-22	28-Apr-23	257	0.00										
	Works Design & Engineering								0.00										
DES - Kiosks	works besign a engineering		40	12-Apr-22	13-km-22	28-Feb-23	28-Apr-23	257	0.00								-		
DES-1228	DES - Prepare preliminary proposal submissi			12-40-22	13-3-22	28-Feb-23	28-Apr-23	257											
11111000000000000000000000000000000000		bit .		100000	de storiet.		20949-23	251										- 1 1	
	Design & Engineering				29-Dec 21	05 Jan 23		300	0.00								1 1		
	undation of Ring Road Underpass & Ve			28-Feb-20 A		05-Jan-23	05-Jan-23	300	0.00										
	ign for Foundation of Ring Road Under			28-Feb-20 A		05-Jan-23	05-Jan-23	300	0.00								4.4		
DES-0198	CSD-F Submit to PM & all relevant parties for	review and approval	51	28-Feb-20 A	28-Dec-21	05-Jan-23	05-Jan-23	300		1 1 1 1									
DES-0200	CSD-F Consent to start the works		0		28-Dec-21		05-Jan-23	300											
Temporary	Works Design & Engineering		199	0540xi21.A	21-May-22	10484492	04-0pr-23	250	0.00										
DES - Tempo	rary Works for Bridges		100	05-Nov-21 A	31-Mar-22	12-Apr-22	04-Apr-23	296	0.00										
DES_T03 - T	emp working platform for Bridge S1/S	69 over Kai Fuk Road	24	05-Nov-21 A	25-Jan-22	12-Apr-22	14-May-22	82	0.00										
DES-1322	DES - Project Manager checking and approve	a; consent to start the Portal	24	05-Nov-21 A	25-Jan-22	12-Apr-22	14-May-22	82											
DES_T05 - T	works Temp working platform for Bridge S7 or	ver Kai Cheung Slip Roa	74	28-Dec-21	31-Mar-22	14-Apr-22	16-34-22	84	0.00										
DES-1324	DES - Prepare preliminary proposal submiss	ίση	26	28-Dec-21	27-jan-22	14-Apr-22	19-May-22	84			-		1						
DES-1326	DES - ICE checking and approval		24	28-Jan-22	03-Mar-22	20-Mary-22	17-Jun-22	84	-										
DES-1328	DES - Project Manager checking and approve	al; consent to start the Portal		04-Mar-22	31-Mar-22	18-Jun-22	16-3.4-22	84						-					
	works												1 1 1				11 1		
Current N Actual Wi Chical Re Remainin	lak Imaining Work	Central Ko	owloo				t (Mont ing Pros			(Rev26 - CSD)	Baseline: Layout K1		² rogramme ling_1, KTE - Submissio	20 25 24	Nov-21 Sub Nov-31 Man Dec-21 Sub	Re thy Programme M mit CBD Programme M mit CSD Programme M mit CSD Programme M	ne Rev 25 B1 ne Rev 26	Chadee Try Try Try Try Try Try	d App DC DC DC DC DC

	Activity Name	Orig Du	Slat	Finish	Late Start	Lele Fixish	Total Float	TRA (Dey	05 12 19	33 70000y 36 100 70 146 70 50 00 166 50	27 1 14	35 35	7 1 70 1	April 38) 30 47 54
DES_T06 - Ter	mp working platform for Bridge S2 & S8 over KF Rd & KC Rd	74	28-Dec-21	31-Mar-22	20-Apr-22	11-Jan-23	231	0.00	10 14 14	20 00 00 10 23 30 00 13 20	21 90	13 24 2	1 55	10 17 24
DES-1330	DES - Prepare preliminary proposal submission	26	5 28-Dec-21	27-jan-22	20-Apr-22	21-May-22	86							
DE5-1332	DES - ICE checking and approval	24	28-Jan-22	03-Mar-22	14-Nov-22	10-Dec-22	231							
DES-1334	DES - Project Manager checking and approval; consent to start the Portal works	24	04-Mar-22	31-Mar-22	12-Dec-22	11-Jan-23	231							
DES_T17 - ELS	S Design for Bridge S8 - 8A-S8 to 8D-S8	72	28-Dec-21	29-118-22	04-Jan-23	04-Apr-23	298	0.00						
DES-1378	DES - Prepare preliminary proposal submesion	36	i 28-Dec-21	15-Feb-22	04-Jan-23	21-Feb-23	298							
DES-1380	DES - ICE checking and approval	12	16-Feb-22	01-Mar-22	22-Feb-23	07-Mar-23	298		1					
DES-1382	DES - Project Manager checking and approval; consent to start the ELS works	24	02-Mar-22	29-Mar-22	(8-Mar-23	04-Apr-23	298				-			
ES - Tempora	ry Works for Underpasses, Adit and Roads	138	25-Nov-21/	21-May-22	10 Mar-22	01-Sep-22	86	0.00						
DES_T08 - Ter	mp works for construction of Sign Gantries, Lighting Poles &	86	i 28-Jan-22	21-May-22	23-May-22	01-Sep-22	86	0.00						
DES-1390	DES - Prepare preliminary proposal submission	36	28-Jan-22	17-Mar-22	23-May-22	05-3.4-22	86							
DES-1392	DES - ICE checking and approval	26	18-Mar-22	21-Apr-22	06-3ul-22	04-Aug-22	86					-		
DE5-1394	DES - Project Manager checking and approval; consent to start the works	24	22-Apr-22	21-May-22	05-Aug-22	01-Sep-22	86							E
DES T10 - Ter	mporary works for Traffic Deck over Underpass S3	24	25-Nov-21 A	25-jar+22	1044a-22	07-Apr-22	55	0.00						
DES-1404	DES - ICE chedking and approval			07-Dec-21 A		10-Mar-22								
DES-1406	DES - Project Manager checking and approval; consent to start Underpass S3		07-Dec-21 A		10-Mar-22	07-Apr-22	55							
NSTRUCT		S 200	25-Mar 21/	 See NV 2 Area 	A STATE	23-Dec:25	1047	689.00						
					07.01.023									
	irary Traffic Management Scheme or Kai Fuk Road	20	25-Mar-22	22-10:-22	07-May-22	07-May-22	12	0.00						
FR-TTA-1.1				2270-22		07-999-22		cite				1.45		
	TTA - Kai Fuk Road - Stage 1.1		25-Mar-22		07-May-22		32							
FR-TTA-1.2	TTA - Kai Fuk Road - Stage 1.2		12-Apr-22		07-May-22		18		1					
KFR-TTA-2	TTA - Kai Fuk Road - Stage 2		22-Apr-22		07-May-22		12							
GR-TTA-1.3	TTA - Kai Fuk Road - Stage 1.3	0	22-Apr-22	-	07-May-22	-	12							L. South
	I the Works of the Site, except Section 2 to 17		04-Jun-21 A	21-May-22										
ch_1 Prelimin				21-May-22		02-3.4-22	34	36.00						
iite Establishr		189	25-Sep-21 /	21-May-22	21-Jan-22	02-Jul-22	34	36.00						
	eel platform over Kai Tak River			21-May-22	21-Jan-22	02-3.4-22	34	36.00						
													1	
1-2035	SE(Stage 1) - Install F3 concrete block and decking for Portion 1 (S1)	28	8 28-Dec-21	29-lan-22	22-Feb-22	25-Mar-22	41	6.00						
DUA Stage 2		1	25/200211	05-00-21 A	16.mr-22	20 dan 22		3.01						
1-2048B	SE(Stage 2) - outercasing installation for CKRE+K3	.8	25-5ep-21 A	05-0d-21 A	26-Jan-22	26-Jan-22		3.00						
D DA Stalga 4		ji ji	25 500 21 4	113 1489-21 1	26.00-22	102449-22		12.0						
1-2326B	SE(Stage 2) - outercasing installation for 4K-54-A	.6	25-Sep-21 A	16-0ct-21 A	26-Jan-22	26-Jan-22		3.00	1					
1-23258	SE(Stage 2) - outsrcssing installation for CXRW-K5	8	30-Sep-21 A	12-0d-21 A	07-Mar-22	07-Mar-22		3.00						
1-2327C	SE(Stage 4) - Identification of uncharted hard material at bore pile nos.	6	19-0d-21 A	22-0d-21 A	07-Mar-22	07-Mar-22								
1-23274	4K-S4-B-182 (PMI 293) SE(Stage 2) - Rebar Installation; for slab reinstatment at 4K-S4-B	4	23-0d-21 A	29-0d-21 A	07-01ar-22	07-Mar-22		3.00						
1-2327B	SE(Stage 2) - outercasing installation for 4K-S4-B	4	30-0d-21 A	03-Nov-21 /	07-Mar-22	07-Mar-22	-	3.00						
DUA Stage 5		16.5	0.04014	211006-22	\$1.mm-12	1071252	- 10	15.00						
Current Miles			0				87223	1.34	-	Project ID: KTE-WP26_M32	Date 25-Oct-21	Monthly Programme MC		Checked App TYY DC
Actual Viole Onitical Rem	Central N	owloo							26 - CSD)	Baseline: Layout: KTE - 3 Months Rolling Programme	20-Nov-21 25-Nov-31	Submit CSD Programme Monthly Programme MC	31	TYY DC TYY DC
Remaining V			Th	ree Moi	nth Roll	ing Pro	gramn	ne		Filter: TASK filters: 3 Months Rolling_1, KTE - Submission.	24-Deo21 25-Deo21	Submit CSD Programme Monthly Programme MC	ne Reu 26	TYY DC TYY DC
											COLUMN S	And the state of t		

/ ID	Activity Name	Orig Dur Stat	Pinish	Laie Stat	Lele Finish	Total Float	TRA (Dey)	December 32 28 05 12 19	33 26 12 10 16 10	February 34 30 06 13 20	27 1 14	March 35	27 09	April 38 10 1 17	24
1-2333	SE(Stage 5) - 2021/2022 - Dry season start (1 Oct 2021)	0 02-00-21	1	21-Jan-22			3.00				50	19 20			
1-2337	SE(Stage 5) - Remove cofferdam for 10; ered: F3 platform (1 nos)	18 28-0d-21	10-Nov-21 A	21-Jan-22	21-Jan-22										
1-2334A	SE(STage 5) - Fabrication of concrete biks and deck (on-ste)(S1/S3/CKRE)	75 08-Nov-21	A 12-Feb-22	21-389-22	08-Mar-22	20							0		
1-2334	SE(Stage 5) – Install F3 concrete block and dedking for Portion 2 (S1)/S3/OKRE)	60 02-Dec-21	A 19-Feb-22	21-Jan-22	15-Mar-22	20	6.00	-							
1-2334B	SE[STage 5] - Fabrication of concrete biks and deck (on-site)(CKRW/S4)	65 14-Feb-22	05-May-22	02-Apr-22	24-Jun-22	41									-
1-2336	SE(Stage 5) - Install F3 concrete block and decking for Portion 3 (OKRW/S4)	72 21-Feb-22	21-May-22	01-Apr-22	02-301-22	34	6.00								_
Sch_3.1 Bridge	s1 Works	182 20-Oct-21	14-May-22	29-Jan-22	16-Jun-22	27	28.00								
S1 - Piling Wo	rks	24 20-00-21	A 23-00-21 A	10-Feb-22	10-Feb-22		0.00								
Piling Works -	Pier P-1E-S1	24 20-00-21	23-00-21 A	10-Feb-22	10-Feb-22		0.00								
3.1-2306	51 - 1E-51 Proof drilling & Piles testing	24 20-00-21	A 23-00-21 A	10-Feb-22	10-Feb-22		0.00								
S1 - Pile Caps,	Pier / Abutment	75 17-Nov-21	A 22-3an-22	29-Jan-22	02-Mar-22	27	7.00								
Abutment 1A-	51	48 30-Nov-21	A 22-Jan-22	29-Jan-22	02-Mar-22	27	4.00								
3.1-2328	S1 - Construct Abutment A-IA-S1	24 30-Nov-21	A 11-3an-22	29-Jan-22	18-Feb-22	27	3.00								
3.1-2330	S1 - A-1A-S1 Install Permeate Membrane and Backfill	10 12-Jan-22	22-Jan-22	19-Feb-22	02-Mar-22	27	1.00								
Pier 1E-S1		60 17-Nov-21	A 18-Jan-22	10-Feb-22	02-Mar-22	31	3.00								
3.1-2332	S1 - Prepare Pile Head for 1E-S1 inside cofferdiam	12 17-Nov-21	4 11-Dec-21 A	10-Feb-22	10-Feb-22		1.00								
3.1-2334	S1 - Construct Pier 1E-S1 (2 Lifts)	18 31-Dec21	A 18-Jan-22	10-Feb-22	02-Mar-22	31	2.00	Í							
S1 - Deck		84 24-Jan-22	14-May-22	03-Mar-22	16-Jun-22	27	21.00								
S1 - Span 1A-	16	84 24-Jan-22	14-May-22	03-Mar-22	16-Jun-22	27	10.00								
3.1-2358	S1 - Span 1A-1E Palaework and formworks	30 24-Jan-22		03-Mar-22	07-Apr-22	27	4.00								
3.1-2359	S1 - Span 1A-1E Instal Bearings	6 07-Mar-22	12-Mar-22	08-401-22	14-Apr-22	27	2.00				0				
3.1-2360	S1 - Span 1A-1E Web and Soffic	24 14-Mar-22	11-Apr-22	19-Apr-22	18-May-22	27	2.00						3 1 3		
3.1-2364	S1 - Snan 1A-1E Deck Section	24 12-Apr-22		19-May-22	16-Jun-22	27	2.00							-	
51 - Span 1E-1		67 16-Feb-22		21-Mar-22	16-Jun-22	29	11.00								
3.1-2368	Completion of Pier/Portal 1D-S1 / S9	0	16-Feb-22		21-Mar-22	28	2.00								
3.1-2372	S1 - Span 1E-1D Falsework and formworks	25 21-feb-22		26-Mar-22	28-Apr-22	29	4.00								
3.1-2372	S1 - Span 1E-1D Install Beerings	5 22-Mar-22		29-40-22	06-May-22	29	2.00								
				3.5550							1	4			
3.1-2376	S1 - Span 1E-ID Web and Soffit S1 - Span 1E-ID Deck Section	15 29-Mar-22		07-May-22	25-May-22	29	1.00								-
		18 20-Apr-22		26-May-22	16-Jun-22										-
Sch_3.2 Bridge		220 04-Jun-21		17-May-22	21-Apr-23	289	61.00								
S2 • Piling Wo		152 04-Jun-21		01-3un-22	12-Dec-22	257	0.00								
Piling Works -		24 28-Dec 21	25-Jan-22	01-Jun-22	29-Jun-22	120	0.00				1				
3.2-2502	S2 - 2A Proof driling & Piles testing	24 28-Dec-21		01-Jun-22	29-Jun-22	120	0.00								
Piling Works -		24 04-Jun-21			12-Dec-22		0.00								
3.2-2514	S2 - 2D Picof dilling & Piles testing	24 04-Jun-21			12-Dec-22		0.00								
Piling Works -		24 30-Sep-21			06-Jun-22		0.00								
3.2-2522	S2 - 2F Proof drilling & Piles testing	24 30-Sep-21	A 08-0d-21 A	06-Jun-22	06-Jun-22		0.60								
S2 - Pile Caps,	Pier / Abutment	185 25-Sep-21	A 26-Apr-22	17-Nay-22	21-Apr-23	289	61.00								
Current Miles	stime								Project ID: KTE-WP26_M32		Date		Plaviace		id Appen
Actual Yilok Oriscal Ram Hemaning V	Central K		te - Kai ree Mor					e) (Rev26 - CSD)	Baseline: Layout: KTE - 3 Months Rolling P Filter: TASK filters: 3 Months Roll		25-Od-21 20Nov-31 25-Nov-31 24-Dao21 25-Deo21	Monthly Progr Submit CSD F	Programme Rev 25 parme M31 Programme Rev 26	TYY TYY TYY TYY	00 00 00 00 00 00
									Page 3 of 17	- 554Ó	2909021	second read	and the triat	100	

ID	A: Ivily Name	Org D.	r Slat	Pinish	Late Start	Late Fixish	Totel Float	TRA (Dey)	December 32 28 05 12 19	January February 33 54 26 02 09 16 23 30 6 13 3	March April 35 36 27 06 13 20 27 03 10 17 24
Pier 2A		6	8 26-Jan-22	25-Apr-22	30-309-22	19-Sep-22	120	7.00			
3.2-2532	S2 - Install sheetpile for pile cap 2A		5 26-Jan-22	31-Jan-22	30-Jun-22	05-34-22	120	1.00			
3.2-2534	S2 - Exavation down to formation level C-2A	1	0 08-Feb-22	18-Feb-22	07-3.4-22	18-34-22	120	0.00			
3.2-2536	S2 - Prepare pile head (2 nrs) 2A		9 19-Feb-22	01-Mar-22	19-3.4-22	28-34-22	120	1.00			
3.2-2538	S2 - Construct pile cap C-2A	1	5 02-Mar-22	18-Mar-22	29-3.4-22	15-Aug-22	120	2.00			
3.2-2540	S2 - Construct Pier P-2A (3 LPb)	2	9 19-Mar-22	26-Apr-22	16-Aug-22	19-Sep-22	120	3.00			
Pier 2B		7	1 21-Jan-22	25-Apr-22	27-Jun-22	19-Sep-22	121	9.00			
3.2-2542	S2 - Install sheetpile for pile cap 28		6 21-Jan-22	27-3an-22	27-Jun-22	04-30-22	121	1.00			
3.2-2544	S2 - Exavetion down to formation level C-2B	1	2 28-Jan-22	17-Feb-22	05-3.4-22	18-3.4-22	121	2.00			
3.2-2546	S2 - Prepare pile head (2 nrs) C-28		9 18-Feb-22	28-Feb-22	19-3.4-22	28-34-22	121	1.00			
3.2-2548	S2 - Construct pile cap C-28		5 01-Mar-22	17-Mar-22	29-3.4-22	15-Aug-22	121	2.00			
3.2-2550	52 - Construct Pier P-2B (3 L/ts)		9 18-Mar-22	25-Apr-22	16-Aug-22	19-Sep-22	121	3.00			
	at one to react of				and participation	26-Nov-22	194	12.00			
Pier 2CL/2CR 3.2-2556	62 - Remain olio hand (4 and C-209 5-C-20		0 25-Sep-21 A		29-Aug-22		134	12.00			
	S2 - Prepare pile head (4 nrs) C-2OR & C-2OL		7 25-5ep-21 A			29409-22		1.012	hand and any or good		
3.2-2560	52 - Construct pile cap C-2CL		0 25-0d-21 A			25-0d-22		2.00			
3.2-2558	S2 - Construct pile cap C-2CR		1 25-0d-21 A			29-Aug-22		3.00			
3.2-2564	S2 - Construct Pier P-2CL (3 Lifts)		9 03-Jan-22 A		25-0d-22	26-Nov-22	194	3.00			
3.2-2562	S2 - Construct Pier P-2CR (3 Lifts)	2	9 03-Jan-22 A	26-Feb-22	29-Aug-22	24-Oct-22	194	3.00			
Pier 2DL/2DR		8	2 28-Dec-21	11-Apr-22	12-Dec-22	21-Apr-23	299	13.00			
3.2-2566	S2 - Install sheetpile for pile cap 2DL/2DR		6 28-Dec-21	01-Jan-22	12-Dec-22	17-Dec-22	281	1.00			
3.2-2568	S2 - Exavation down to formation level 2DL/2DR	1	1 05-Jan-22	17-Jan-22	19-Dec-22	03-Jan-23	281	2.00			
3.2-2570	S2 - Prepare pile head (4 nrs) C-2DR & C-2DL	1	7 18-Jan-22	12-feb-22	04-Jan-23	30-Jan-23	281	1.00			
3.2-2572	S2 - Construct pile cap C-2DR		9 14-Feb-22	23-Feb-22	31-Jan-23	09-Feb-23	281	1.00			
3.2-2574	S2 - Construct Pier P-2DR (3 Lifts)	2	9 24-Feb-22	29-Mar-22	15-Mar-23	21-Apr-23	309	3.60			
3.2-2576	S2 - Construct pile cap C-2DL	1	0 24-Feb-22	07-Mar-22	10-Feb-23	21-Feb-23	281	2.60	den de sedere de sed		
3.2-2578	S2 - Construct Pier P-2DL (3 Lifts)	2	9 08-Mar-22	11-Apr-22	22-Feb-23	27-Mar-23	281	3.60			
Pier 2EL/2ER		14	5 06-0d-21 A	25-Mar-22	17-May-22	27-Mar-23	294	13.00			
3.2-2580	S2 - Install sheetpile for pile cap 2EL/2ER		7 06-0d-21 A	02-Nov-21 A	17-May-22	17-May-22		1.00			
3.2-2582	S2 - Excavation down to formation level 2EL/2ER	1	3 03-Nov-21 A	03-Dec-21 A	17-May-22	17-May-22		2.00			
3.2-2584	S2 - Prepare pile head (3 nrs) C-2ER & C-2EL	1	3 04-Dec-21 A	17-Dec-21 A	17-Nay-22	17-May-22		1.00			
3.2-2588	S2 - Construct plie cap C-2EL	1	2 24-Dec-21 A	10-Reb-22	10-Jun-22	23-Jun-22	107	2.00			
3.2-2586	S2 - Construct pile cap C-2ER		2 24-Dec-21 A		17-Nay-22	09-Jun-22	107	2.00			
3.2-2590	S2 - Construct Pier P-2ER (2 Lifts)		0 21-Jan-22	19-Reb-22	30-Jan-23	21-feb-23	294	2.00			
3.2-2592	S2 - Construct Pier P-2EL (3 Lifts)		9 21-Feb-22	25-Mar-22	22-Feb-23	27-Mar-23	294	3.00			
Abutment 2F	and another that the full bring		8 01-Nov-21 A		06-Jun-22		123	2.00	haa haalaa haa haa haa haa haa haa haa h		
Abutment ZF 3.2-2596	S2 - Excavation down to formation level A-2P		1 01-Nov-21 A			19-Aug-22	123	2.00			
					06-Jun-22	24-Jun-22		- 85753			
3.2-2598	S2 - Prepare pile head (3 nrs) A-2F		3 19-Jan-22	08-Feb-22	25-Jun-22	11-30/22	123	1.00			
3.2-2600	S2 - Construct Abutment Base A-2F	1	4 09-Peb-22	24-Reb-22	12-3.4-22	27-3.4-22	123	2.00			
Current Mice	dure		2							Project ID: KTE-WP26_M32	Date Revision Chaded Appro 25Oct-21 Monthly Programme M30 Thy DC
Adual Work	wring Work	Central Kowlo) (Rev26 - CSD)	Baseline: Layout: KTE - 3 Months Rolling Programme	20Hov-21 Submit CSD Programme Rev 25 THY DC 25Hov-31 Menthly Programme KG1 THY DC
Remaining V	Nak		(h	ree Mor	ith Roll	ing Prog	grami	me		Filter: TASK filters: 3 Months Rolling_1, KTE - Submission.	24-Deo21 Submit CSD Programme Rev 26 TYY DC 25-Deo21 Marchly Programme M32 TYY DC
										Page 4 of 17	

	Activity Name	Org Dr	Slat	Pinish	Late Start	Lele Finish	Total Float	TRA (Dey)	28 05 12 19	26 12 50 16 23 30 56 13 20	27 06	35	27 03	30 10 17	24
3.2-2602	S2 - Construct Abutmerit A-2F	20	25-Feb-22	19-Mar-22	28-3.4-22	19-Aug-22	123	2.00							
ch_3.3 Bridge	S3 Works	173	04-0@-21 A	03-May-22	09-Mar-22	22-3423	359	20.00							
3 - Piling Wor	rks	83	04-0@21 A	05-3an-22	11-May-23	02-Jun-23	408	0.00							
Piling Works - I	Pier P-3E-S3		28-Dec-21	05-3an-22	25-May-23	02-Jun-23	408	0.00							
3.3-2806	53 - 3E-53 Proof drilling & Piles testing	9	28-Dec-21	05-lan-22	25-May-23	02-Jun-23	408	0.00		🗯					
Piling Works - /	ABUT A-3D-53	24	04-0d-21 A	24-Nov-21 A	11-May-23	11-May-23		0.00							
3.3-2814	53 - ABUT A-3D-53 Proof drilling & Piles testing	24	04-0d-21 A	244Nov-21 A	11-May-23	11-May-23		0.00			1		1 1 1		
53 - Pile Caps, I	Pier / Abutment	90	06-Jan-22	03-May-22	09-Mar-22	22-33-23	359	20.00							
Abutment 3A-5	53	25	08-Feb-22	12-Mar-22	09-Mar-22	22-3.423	398	4.00							
3.3-2826	S3 - Construct Abutment A-3A-S3	15	08-Feb-22	01-Mar-22	09-Mar-22	30-Mar-22	25	3.00			÷				
3.3-2828	53 - A-3A-53 Install Permeate Membrane and Back/I	10	02-Mar-22	12-Mar-22	12-304-23	22-Jul-23	398	1.00			-				
Pier 3E-53		41	06-Jan-22	01-Mar-22	63-Jun-23	22-24-23	408	9.00							
3.3-2830	53 - Prepare Pile Head for 3E-S3	5	06-Jan-22	11-Jan-22	03-Jun-23	08-Jun-23	408	1.00							
3.3-2834	S3 - 3E-53 Reinstatement of Slab of Kai Tak River	If	12-Jan-22	08-feb-22	09-Jun-23	30-Jun-23	408	6.00							
3.3-2832	S3 - Construct Pier 3E-53 (2 Lifts)	16	09-Feb-22	01-Mar-22	03-Jul-23	22-24-23	406	2.00							
Abutment 3D-9	53	66	17-Feb-22	03-May-22	11-May-23	22-34-23	359	7.00							
3.3-2846	S3 - Prepare pile head (3 nrs) A-3D-S3	13	17-Feb-22	03-Mar-22	11-May-23	25-May-23	359	1.00	1. (1. (1. (1. (1. (1. (1. (1. (1. (1. (
3.3-2848	S3 - Construct Abutment Base A-3D-53	21	04-Mar-22	28-Ma-22	27-May-23	20-Jun-23	359	3.00			-				
3.3-2850	S3 - Construct Abutment A-3D-S3	16	29-Mar-22	20-Apr-22	21-Jun-23	11-304-23	359	2.00						-	
3.3-2852	53 - A-3D-53 Install Permeate Membrane and Baddill	10	21-Apr-22	03-May-22	12-Jul-23	22-34-23	359	1.00						-	
ch_3.4 Bridge			07-0@-21 A	12-Max-22	26-3an-22	12-Jan-23	202	65.00							
54 - Piling Wor			07-Oct-21 A	01-Mar-22	26-Jan-22	08-Aug-22	129	16.00							
AND ALL HAVE A SHOP	Pier P-4K-S4-A		01-Nov-21 A	24-Feb-22	26-Jan-22	07-3,4-22	106	8.00							
3.4-3024	S4 - Bored Piles for 4K-S4-A-2 (1 m²)		01-Nov-21 A		26-Jan-22	26-Jen-22		4.00							
3.4-3016	S4 - Bared Piles for 4K-54-9-1 (1 ar)		10-Dec-21 A	20-3an-22	27-Jan-22	25-Feb-22	25	4.00							
3.4-3028	S4 - 4K/S4-A-2 Proof drilling B. Piles testing		28-Dec-21	25-Jan-22	09-Jun-22	07-Jul-22	126	0.00	2 1 1						
3.4-3020	S4 - 4K-S4-0-1 Proof drilling & Piles testing														
			21-Jan-22	24-Feb-22	26-Feb-22	25-Mar-22	25	0.00							
	Pier P-4K-54-B		11-Nov-21 A	01-Mar-22	07-Mar-22	08-Aug-22	129								
3.4-3026	S4 - Bored Piles for 4K-S4-B-2 (1 nr)		11-Nov-21 A		07-Mar-22	19-Mar-22	52	4.00							
3.4-3018	S4 - Bored Piles for 4K S4 B-1 (1 m)		18-Dec-21 A	20-Jan-22	21-Mar-22	29-Mar-22	52	4.00							
3.4-3022	S4 - 4K-S4-B-1 Proof drilling & Piles testing		21-Jan-22	24-feb-22	30-Mar-22	30-Apr-22	52	0.00							
3.4-3030	S4 - 4K-S4-B-1 Proof drilling B. Piles testing		26-Jan-22	01-Mar-22	12-306-22	08-Aug-22	129	0.00							
Piling Works - I			26-0tt-21 A	28-0d-21 A	26-feb-22	26-Feb-22		0.00							
3.4-3038	S4 - 4ES4 Proof chilling & Piles tissing		26-0@-21 A		26-Feb-22	26-Feb-22		0.00							
Piling Works - I		24	07-0d-21 A	09-0d-21 A	26-Feb-22	26-feb-22		0.00							
3.4-3046	S4 - 43-S4 Proof drilling & Piles testing	24	07-0d-21 A	09-0d-21 A	26-Feb-22	26-Feb-22		0.00							
54 - Pile Caps, I	Pier / Abutment	172	12-0d-21 A	12-May-22	26-Mar-22	12-Jan-23	202	49.00			1				
Pier 4K-S4-A-1		SC	25-Peb-22	28-Apr-22	26-Mar-22	30-May-22	25	10.00							
Ument Micel	ture								(0)	Project ID: KTE-WP26_M32	Date 25-Oct-21	Monthly Proof	Revision	Checked	Appe
Adual Work		Central Kowlo							(Rev26 - CSD)	Baseline:	20-Nov-21 25-Nov-21		поралите Люу 25	TW	DC DC
Critical Remaining Vi			Thr	ee Mon	th Rolli	ng Prog	ramn	ne		Layout: KTE - 3 Months Rolling Programme Filter: TASK filters: 3 Months Rolling_1, KTE - Submission.	24-Dec/21	Submit CSDF	hognamme Rev 26	TYY	DC DC
											25-Deo21	Monthly Progr	arme M32	TYY	DC

D	Actually Name	Ori) Dur Start	Pinish	Late Start	Late Fixist	Total Float	TRA (Dey)	December 32 28 05 12 19	January Feb	ruaiy 4 13 20 27	March 35	30 27	03 1 10	011 38
3.4-3080	S4- Prepare Pile Head for 4K-S4-A-1		5 25-Feb-22	02-Mar-22	26-Mar-22	31-Mar-22	25	1.00						30 10	
3.4-3084	54 - 4K:54-A-1 Reinstatement of Slab of Kai Tak River		18 03-Mar-22	23-Mar-22	01-Apr-22	26-Apr-22	25	6.00				_	-		
3.4-3082	54 - Construct Pier 4K-54-A-1 (3 Lifts)		27 24-Mar-22	28-Apr-22	27-Apr-22	30-May-22	25	3.00							
Pier 4K-S4-A-	2		23 03-Mar-22	29-Mar-22	03-May-22	30-May-22	47	7.00							
3.4-3086	S4 - Prepare Pile Head for 4K-S4-4-2		5 03-Mar-22	08-Mar-22	03-Nay-22	07-May-22	47	1.00			-	-			
3,4-3090	54 - 4K-54-A-2 Reinstatement of Slab of Kai Tak River		18 09-Mar-22	29-Mar-22	10-May-22	30-May-22	47	6.00				0			
Pier 4K-S4-B-	1		23 30-Mar-22	29-Apr-22	08-3.4-22	03-Aug-22	78	7.00							
3.4-3092	54 - Prepare Pile Head for 4K-S4-8-1		5 30-Mar-22	04-Apr-22	08-3u4-22	13-24-22	78	1.00					_		
3.4-3096	S4 - 4K-54-8-1 Reinstatement of Slab of Kai Tak River		18 06-Apr-22	29-Apr-22	14-3.4-22	03-Aug-22	78	6.00	a a changear fan i					-	
Pier 4E-S4			160 12-00-21/	06-May-22	22-560-22	17-00-22	134	5.00							
3.4-3107	S4 - Install sheet pile for pile cap 4E-S4		8 12-04-217	4 16-0d-21 A	22-Sep-22	22-Sep-22									
3.4-3109	S4 - Excavation down to formation level		6 25-00-21/			22-Sep-22									
3,4-3108	S4 - Prepare Pile Head (1nr) for 4E-54			A 13-Nov-21 A		22-5en-22		1.00							
3.4-3110	54 - Construct Pile Cap 45:54		17 154Nov-21			22-Sep-22		2.00							
3.4-3112	54 - Construct Pier 4E-54 (2 Lifts)		20 09-Apr-22		22-Sep-22	17-0et-22	134	2.00						_	
	54 - Construct His Horse (2 Citis)														
Pier 4F-54			72 11-Feb-22	12-May-22	18-00-22	12-Jan-23	202	11.00							
3.4-3114	S4 - 4FS4 ELS		4 11-Feb-22		18-0d-22	21-0d-22	202	1.00						The second s	
3.4-3116	S4 - Excavation Down to Formation Level 4F-S4		11 16-Feb-22		22-0d-22	03-Nov-22	202	2.00			-		1		
3.4-3118	S4 - Prepare Pile Head (2nrs) for 4F-S4		10 01-Mar-22	11-Mar-22	04-Nov-22	15-Nov-22	202	2.00			-	_			
3.4-3120	S4 - Construct Pile Cap 4/*S4		18 12-Mar-22	01-Apr-22	16-Nov-22	06-Dec-22	202	3.00				_			
3.4-3122	S4 - Construct Pier 4F-S4 (3 Lifts)		29 02-Apr-22	12-May-22	07-Dec-22	12-Jan-23	202	3.00					•		
Pier 4G-54			19 13-Jan-22	10-ftd-22	23-5ep-22	17-Oct-22	202	0.00							
3.4-3132A	54 - Construct Pier 4G-54 (2 Lifts)		19 13-Jan-22	10-Feb-22	23-5ep-22	17-0e-22	202								
Pier 43-54			168 23-Oct-21	4 06-May-22	29-Jun-22	22-3.4-22	63	9.00		the state of the s					
3.4-3136	S4 - Install sheet pile for pile cap 40-S4		8 23-0d-21/	4 27-0d-21 A	29-Jun-22	29-Jun-22		4.00							
3.4-3137	S4 - Exevation down to formation level		6 28-0d-21/	10-Nov-21 A	29-Jun-22	29-Jun-22									
3.4-3138	S4 - Prepare Pile Head (1 nr) for 40-54		5 11-Nov-21	A 16-Nov-21 A	29-Jun-22	29-Jun-22		1.00							
3.4-3140	S4 - Construct Plie Cap 43-S4		17 18-Nov-21	A 26-Nov-21 A	29-Jun-22	29-Jun-22		2.00							
3.4-3142	S4 - Construct Pier 43-54 (2 Lifts)		20 09-Apr-22	06-May-22	29-Jun-22	22-3.4-22	63	2.00							A
Sch_3.5 Bridg	e S7 Works		177 18-Sep-21		25-Dec-21	06-Apr-23	275	26.00							
S7 • Piling Wo			177 18-Sep-21			17-May-22	12	15.00							
Piling Works			177 18-Sep 21		25-Dec-21	17-May-22	12	15.00							
3.5-3400-2	57 - Bored Piles for 78-57-2 Part 1 (uplo - 87.45mPD		75 18-Sep-21			25-Dec-21		7.00							
3.5-3400-2		η γωτικούτο)													
	S7 - Boted Piles for 78-57-2 Part 2 (CNCE-0045)	IONOT ADALTS	25 04-Dec21	24	25-Dec-21	28-Dec-21	0	0.00							
3.5-3400-1	S7 - Bored Piles for 7B-S7-1 Part 1 (upto -74.0mPD)	(CM-2-0045)	55 29-Dec-21		29-Dec-21	25-Feb-22	0	6.00							
3,5-3400-10	S7 - Bored Piles for 78-S7-1 Part 2 (CNCE-0045)		32 26-Feb-22		26-Feb-22	29-Mar-22	0	0.00							
3.5-3402	S7 - 78-S7 Proof drilling & Piles testing		24 30-Mar-22	30-Apr-22	14-Apr-22	17-May-22	12	0.00							
3.5-3400-3	S7 - Demob Pling Plant and Equipment		6 30-Mar-22	06-Apr-22	30-Mar-22	06-Apr-22	0	2.00							
												Date	Review	_	Chaded Ar
Current Mile		Control Kow	loon Rou	to - Kai	Tak Eas	t (Mont	h 33 I	Indet	e) (Rev26 - CSD)	Project ID: KTE-WP26_M32 Baseline:		Ord-21 Mont	thy Programme M30 mit CSD Programme Res	25	TYY DC TYY DC
Critical Rev	airing Work	Central KOW		ree Mor					(Revzo - CSD)	Layout: KTE - 3 Months Rolling Programme	25	Nov-21 Mari	nit CSO Programme M31 inty Programme M31 ent CSO Programme Res		TYY DC
Remaining	Wark			nee mor	an Aon	ing Frog	grann	ile.		Filter: TASK filters: 3 Months Rolling_1, KTE - Submiss			nit CSD Programme Rev drij Programme M32	0.26	TYY DC TYY DC
										Page 6 of 17					

D	Activity Name	Orig D	r Skat	Pinish	Lale Start	Late Finish	Total Float	TRA (Dey)	28 05 12 19	26 102 100 16 21 30	34 06 13 20	27 06	35 13 20	27 03	30 10 17 2	24
57 - Pile Caps,	, Pier / Abutment	9	7 30-Oct-21 A	24-660-22	(8-Sep-22	06-Apr-23	327	11.00								-
Pier 7C		7	1 30-0d-21 A	28-jan-22	06-Mar-23	06-Apr-23	344	3.00								
3.5-3424	57 - Prepare pile head for 70-57		7 30-Oxt-21 A	10-Nov-21 A	06-Mar-23	06-Mar-23		1.00								
3.5-3425	57 - Construct pile cap C-7C-S7	1	5 18-Nov-21 A	02-Dec-21 A	06-Mar-23	06-Mar-23										
3.5-3426	S7 - Construct Pier P-7C-57 (2 Lifts)	2	0 23-Dec21 A	28-3an-22	06-Mar-23	06-Apr-23	344	2.00		-						
Abutment 7D		9	7 06-Nov-21 A	24-Feb-22	(6-Sep-22	18-Jan-23	267	8.00				1				
3.5-3428	S7 - Exavation down to formation level A-7D-57		7 06-Nov-21 A	16-Nov-21 A	(8-Sep-22	08-Sep-22		1.00								
3,5-3430	57 - Prepare pile head (3 nrs) A-7D-57	1	3 15-Nov-21 A	30-Dec-21	25-Nov-22	28-Nov-22	267	1.00		-						
3.5-3432	57 - Construct Abutment Base A-7D-57		9 31-Dec-21	22-Jan-22	29-Nov-22	20-Dec-22	267	3.00								
3.5-3434	57 - Construit Abutment A-70-57		2 24-Jan-22	24-Feb-22	21-Cec-22	18-Jan-23	267	3.00								
ch_3.6 Bridge			9 30-Mar-22	07-May-22	19-3,4-23	29-Sep-23	414	6.00								
	, Pier / Abutment		9 30-Mar-22	07-May-22	19-346-23	29-Sep-23	414	6.00								
Pier 8C	, Pier / Aduction		9 30-Mar-22	07-May-22	19-34-23	21-400-23	380	3.00								
3,6-3634	58 - Construct Pier P-8C-58 (3 Lifts)		9 30-Mar-22	07-May-22	19-3.4-23	21 -4 ug-23	380	3.00						1		
Abubment 8D			1 30-Mar-22	27-Apr-22	06-Sep-23	29-Sep-23	422	3.00								
3.6-3642	S8 - Construct Abutment A-8D-58	2	1 30-Mar-22	27-401-22	06-Sep-23	29-Sep-23	422	3.00						1		1
ich_3.7 Bridge	e S9 Works	17	0 13-0±-21 A	12-May-22	04-Dec-21	07-34-22	46	57.00								
59 - Piling Wo	orks	2	3 28-Dec-21	24-lan-22	28-Dec-21	24-Jan-22	0	0.00			1 1 1			1 1		
Piling Works -	Pier P-9A	2	3 28-Dec-21	24-Jan-22	28-Dec-21	24-Jan-22	0	0.00								
3.7-3802	S9 - 9A Proof drilling & Piles testing	2	3 28-Dec 21	24-Jan-22	28-Dec-21	24-Jan-22	0	0.00		(<u> </u>						
59 - Pile Caps	, Pier / Abutment	17	0 13-0:0-21 A	12-May-22	04-Dec-21	07-3.4-22	46	49.00								
Pier 9A		4	4 25-Jan-22	23-Mar-22	25-Jan-22	23-Mar-22	0	8.00								
3.7-3822	S9 - Install sheetpile for pile cap 9A		5 25-Jan-22	29-Jan-22	25-Jan-22	29-Jan-22	0	1.00								
3.7-3824	S9 - Excevation down to formation level C-9A		8 31-Jan-22	15-Feb-22	31-Jan-22	15-Feb-22	0	2.00								
3.7-3826	S9 - Prepare pile head (1nr) C-9A-S9		5 16-Feb-22	21-feb-22	16-Feb-22	21-Feb-22	0	1.00								
3.7-3828	S9 - Construct pile cap C-9A-S9		8 22-Feb-22	02-Mar-22	22-Feb-22	02-Mar-22	0	2.00								
3.7-3830	S9 - Construct Pier P-9A-S9 (2 Lifts)	1	8 03-Mar-22	23-Mar-22	03-Mar-22	23-Mar-22	0	2.00				-	_			
Pier 98		6	6 28-Dec-21	22-Ma-22	10-Feb-22	06-May-22	34	8.00								
3.7-3832	S9 - Install sheetpile for pile cap 9B	1	0 28-Dec-21	08-Jan-22	10-Feb-22	21-Feb-22	31	1.00								
3.7-3834	S9 - Exavation down to formation level C-9B		1 10-Jan-22	21-Jan-22	25-Feb-22	09-Mar-22	34	2.00								
3.7-3836	S9 - Prepare pile head (2nrs) C-98-S9		0 22-Jan-22	09-feb-22	10-Mar-22	21-Mar-22	34	1.00								
3.7-3838	S9 - Construct pile cap C-98-59		5 10-Feb-22	25-feb-22	22-Mar-22	08-Apr-22	34	2.00								
3.7-3840	59 - Construct Pier P-98-59 (2 Lifts)		0 28-Feb-22	22-Mar-22	09-Apr-22	06-May-22	34	2.00					10			
	an - commune res r ansas (a card)			07-Apr-22	12-Mar-22	08-Jun-22	47	8.00					1			
Pier 9C 3.7-3842	S9 - Install sheetbile for pile cap 9C		9 10-Jan-22 0 10-Jan-22	20-Jan-22	12-Mar-22	23-Mar-22	47	1.00								
	**************************************		n. (Anti-Anti-Anti-			1.0000.000.000.0										
3.7-3844	S9 - Excavation down to formation level C-9C		1 21-Jan-22	09-feb-22	24-14ar-22	06-Apr-22	47	2.00								
3.7-3846	S9 - Prepare pile head (2ns) C9C-S9		3 10-Feb-22	24-Feb-22	07-Apr-22	25-Apr-22	47	1.00								
3.7-3848	S9 - Construct pile cap C-9C-59	1	5 25-Peb-22	14-Mar-22	26-Apr-22	14-May-22	47	2.00								
									(b)			Date		Rovision	Checked /	Appa
Current Mile		Central Kowlo	on Rout	e . Kai '	Tak Fas	t (Mont	h 32 I	Indat	e) (Rev26 - CSD)	Project ID: KTE-WP26_M32 Baseline:		25-Od-21 20-Nov-21	Monthly Programme Submit CSD Program	M30	TYY DX TYY DX	x
-Critical Ram		Sentral Rowio				ing Prop			(1.0V20 - 00D)	Layout: KTE - 3 Months Rolling Programm		25-Nov-31 24-Dec-21	Marthly Programme Submit CSD Program	M31	TYY D	ic ic
Remaining 1	Wark			ee mor				1111		Filter: TASK filters: 3 Months Rolling_1, K	TE - Submission.	25Deo21	Monthly Programme		TYY D	
										Page 7 of 17			1			_

ID	Activity Name	0	ng Dur Skat	Pinish	Late Start	Lide Finish	Total Float	TRA (Dey)	December 32 05 12 19	26 12	January 33 09 16	23	30 06	S4	20	27 06	March 35	20 27	03	April 36	17 24
3.7-3850	S9 - Construct Pier P-9C-S9 (2 Lifts)		20 15-Mar-2	2 07-Apr-22	16-May-22	08-Jun-22	47	2.00													-
Pier 9D			163 13-00-21	A 03-May-22	04-Dec-21	07-34-22	53	12.00								1					
3.7-3860	59 - Prepare pile head (1nv) C9D-A-59 (L)		5 13-Oct-21	A 18-00-21 A	22-Feb-22	22-Feb-22		1.00					11		11-1-1						
3.7-3866	59 - Construct pile cap C-9D-B-59 (R)		8 19-0d-21	A 29-00-21 A	04-Dec-21	04-Dec-21		1.00											1 3		
3.7-3864	59 - Construct pile cap C-9D-A-59 (L)		5 25-0d-21	A 29-00-21 A	22-Feb-22	22-Feb-22		1.00													
3,7-38684	59 - Preparation for Pier Construction - 9D (2 nos)		35 22-Dec-21	A 10-Feb-22	(8-Mar-22	14-Apr-22	53	2.00					- 3			ł.			1 1		
3.7-3870	S9 - Construct Pier P-9D-B-59 (3 Lifts) (R)		29 11-Feb-2	2 16-Mar-22	19-Apr-22	24-May-22	53	3.00									-				
3.7-3868	59 - Construct Pier P-9D-A-S9 (2 Lifus) (L)		20 17-Mar-2	2 09-401-22	25-May-22	17-Jun-22	53	2.00	·····									1.0	1 mar		
3.7-3876	S9 - Construct Pier Portal P-9D		16 11-Apr-2			07-3.4-22	53	2.00												-	
Abutment 4H			93 11-Jan-2		22-565-22	22-lun-22	34	13.00													
3.7-3872	S9 - Install sheetpile for pile cap 4H/9E		8 11-Jan-2		22-Feb-22	02-Mar-22	30	1.00													
													_			-			1 3		
3.7-3874	S9 - Excavation down to formation level A-4H/9E		13 20-Jan-2		03-Mai-22	17-Mar-22	30	2.00							1						
3.7-3878	59 - Prepare pile head (6nns) C-WV9H		14 11-Feb-2		18-Mar-22	02-Apr-22	30	2.00													
3.7-3880	59 - Construct Abutment Base A-4H/9E		26 28-Feb-2	2 29-Mar-22	04-Apr-22	10-May-22	30	4.00							1	1					
3.7-3882	S9 - Construct Abutment A-4H/9E		32 30-Mar-2	2 12-May-22	16-May-22	22-Jun-22	34	4.00										-			_
59 - Deck			29 24-Mar-2	2 30-Apr-22	24-Mar-22	26-May-22	20	8.00							1						
59 - Span 1D-	9A (Stage 1)		28 24-Mar-2	2 29-Apr-22	24-Mar-22	29-Apr-22	0	5.00													
3.7-3884	S9 - Span 1D-9A Faisavork and formworks		13 24-Mar-2	2 08-Apr-22	24-Mar-22	08-Apr-22	0	2.00						incere in				-			
3.7-3886	S9 - Span 1D-9A Install Bearings		6 09-Apr-2	2 19-401-22	09-Apr-22	19-Apr-22	0	2.00												-	
3.7-3888	S9 - Span 1D-9A Web and Soffit		9 20-Apr-2	2 29-Apr-22	20-Apr-22	29-Apr-22	0	1.00							4						-
59 - Span 9A-	98 (Stage 2)		16 09-Apr-2	2 30-Apr-22	07-May-22	26-May-22	20	3.00							1						
3.7-3894	S9 - Span 9A-9B Palaework and formworks		16 09-Apr-2	2 30-Apr-22	07-Mary-22	26-May-22	20	3.00													
Sch 3.8 Bridge	s1/S9 Works		202 16-Sep-21	A 06-May-22	25-Dee-21	22-Jun-22	36	41.00													
S1/S9 - Piling	Works		105 18-Sep-21	A 25-lan-22	25-Dec-21	21-Jun-22	112	5.00							1				1 3		
Piling Works -			24 06-Ott-21		17-Jan-22	17-Jan-22		0.00													
3.8-4002	S1/S9 - 1D-S1/S9-2 Proof drilling & Pilestesting		24 06-0±-21	A 22-0d-21 A	17-Jan-22	17-Jan-22		0.00													
Piling Works -			105 18-Sep-21		25-0ec-21	06-001-22	54	0.00								1					
3.84008-3	S1/59 - Bored Piles for 1F/7A-S1/59-1 Part 2		and a sure of	A 07-Dec-21 A		25-Dec-21	24	0.00													
			1000 1000								1				8	1					
3.8-4010	S1/S9 - 1//7A Proof chilling & Piles testing		24 28-Dec-2		09-Mar-22	06-Apr-22	54	0.00													
Piling Works -			100 25-Sep-21		25-Apr-22	21-Jun-22	112	5.00													
3.8-4013	\$1/\$9 - Demobilisation		6 25-Sep-21		21-Jun-22	21-Jun-22		2.00													
3.8-4014	S1/59 - 1G Proof drilling & Piles testing		24 28-Dec-2		25-Apr-22	24-May-22	90	3.00		-					1						
S1/S9 - Pile C	aps, Pier / Abutment		153 02-Oxt-21	A 06-May-22	17-Jan-22	13-Jun-22	.30	26.00													
Pier 1D			90 02-0œ-21	A 16-Rdb-22	17-Jan-22	07-Mar-22	16	11.00													
3.8-4030	S1/S9 - Construct Pier P-1D-A-S1/S9 (2 Lifts)		12 02-0d-21	A 23-0d-21 A	21-Jan-22	21-Jan-22		3.00													
3.84016	S1/S9 - Install sheetpile for pile cap 1/DB		5 13-Nov-2	A 18-Mov-21 A	17-Jan-22	17-Jan-22		1.00													
3.8-4018	S1/S9 - Exervation down to formation level C-1D-B	S1/S9	8 25-Nov-21	A 06-Dec-21 A	17-Jan-22	17-Jan-22		1.00	-												
3.84020	S1/S9 - Prepare pile head (1nr) C-1D-8-S1/S9		5 07-Dec-21	A 22-Dec-21 A	17-Jan-22	17-Jan-22		1.00			weil wom										
Cument Mile	atore									Deviore in the	(TE-WP26 M	12				Dana		Plavi			haded Appro
Adual Yos		Central Kow	loon Ro	ute - Kai	Tak Eas	t (Mont	h 32 l	Updat	26 - CSD)	Baseline:						25-Oct-21 20-Nov-21	Submit CS	togramme M30 SD Programme	Pev 25	יייד דייד	DC
Critical Ram				hree Mo							- 3 Months R filters: 3 Mont			vission		25-Nov-21 24-Deo21	Marithy Pre Submit CS	ngramme MS1 SD Programme	Filen 26	TYY	DC
in the second se						ant a na ang ang	1999 - 1999 -			Filler: LASK	. mors: 3 MOR	EIS ROUING_1	, KIE - 300	ntaiSH011.		25-Deo21	Monthly Pa	togramme M32	2	TYY	DC
										Page 8 of 17	7					-	-				

	Activity Name	Orig Dur	Stat	Pinish	Laie Stat	Late Finish	Float	TRA (Dey)	32 05 12 19	33 26 02 09 16 29 30 66	34 5 13 20	27 06	35 13 20	27 13	April 36	17 24
3,8:4021	S1/S9 - Construct pile rap C-1D-8-S1/S9	12	23-Dec-21 A	08-Jan-22	17-Jan-22	27-Jan-22	16									
3.84026	51/59 - Construct Pier P-1D-8-51/59 (1 Lift)	б	10-Jan-22	15-Jan-22	28-Jan-22	10-Feb-22	16	2.00								
3.84032	51/59 - Construct Portal P-1D-51/59	21	17-Jan-22	16-Feb-22	11-Feb-22	07-Mar-22	16	3.00							1 1	
Pier 1E		74	17-Jan-22	23-10-22	11-Feb-22	14-May-22	16	10.00								
3.84036	\$1/59 - Install sheetpile for pile cap 1E	6	17-Jan-22	22-lan-22	11-Feb-22	17-Feb-22	16	1.00								
3.84038	51/59 - Excevation down to formation level C-1E-S1/59	14	24-Jan-22	15-Feb-22	18-Feb-22	05-Mar-22	16	2.00		The second se						
3.84040	S1/S9 - Piepare pile head (2nn) C-1E-S1/S9	9	16-Feb-22	25-Feb-22	07-Mar-22	16-Mar-22	16	1.00								
3.84042	S1/S9 - Construct pile cap C-1E-S1/S9	22	26-Feb-22	23-Mar-22	17-Mar-22	12-Apr-22	16	3.00			-		_			
3.84044	\$1/\$9 - Construct Pier P-1E-51/\$9	23	24-Mar-22	23-Apr-22	13-Apr-22	14-May-22	16	3.00								-
Pier 1F/7A			07-Apr-22	30-Apr-22	07-Apt-22	30-Apr-22	0	3.00								
3.8-4046	S1/S9 - Install sheetpile for pile cap 17/7A		07-Apr-22	13-Apr-22	07-Apr-22	13-Apr-22	0	1.00							1.	
							0									
3.84048	\$1/59 - Excavation down to formation level 1F/7A-51/59		14-Apr-22	30-Apr-22	14-Apr-22	30-Apr-22	0	2.00								
Abutment 1G			14-Apr-22	06-May-22	25-May-22	13-Jun-22	30	2.00								
3.84058	\$1/S9 - Exavetion down to formation level A-1G-S1/S9	16	14-Apr-22	06-May-22	25-May-22	13-Jun-22	30	2.00							E	
S1/S9 - Deck		96	16-Sep-21 A	21-Jan-22	19-Apr-22	14-May-22	85	10.00								
51/59 - Span 18	E-1F/1E-7A (Stage 1)	96	16-Sep-21 A	21-Jan-22	19-4pr-22	14-May-22	85	10.00								
3.8-4079	S1/S9 - Span 1E-1F/7A steel portal - temp footing (Kai Fuk Road) Night works	96	16-Sep-21 A	21-Jan-22	19-Apr-22	14-May-22	85	10.00								
ich_3.9 Bridge (CKRW Works	171	30-Sep-21 A	29-40-22	07-Ma-22	23-Dec-25	1076	48.00								
CKRW - Piling V	Works	100	15-04-21 A	25-Jan-22	07-Mar-22	15-Jun-22	108	8.00								
Piling Works - F	Pier P-K5-CKRW	100	15-0t-21 A	25-Jan-22	07-Mar-22	15-Jun-22	108	8.00				1				
3.9-4200	OKRW - Bored Piles for KS-OKRW-2 (1 nr)	43	15-0@21 A	16-Nov-21 A	07-Mar-22	07-Mar-22		4.00								
3.9-4208	CKRW - Bored Plies for KS-CKRW-1 (1 nr)	36	29-Nov-21 A	17-Dec-21 A	21-Mar-22	21-Mar-22		4.00								
3.9-4210	CKRW - KS-CKRW-1 Proof driling & Piles testing	24	28-Dec-21	25-Jan-22	04-May-22	01-Jun-22	97	0.00								
3.94204	OKRW - KS-OKRW-2 Proof drilling & Pies testing		28-Dec-21	25-lan-22	18-Mary-22	15-Jun-22	108	0.00								
								35.00	Land Land						1	
	ps, Pier / Abutment		30-Sep-21 A	29-Apr-22	31-May-22	23-Dec-25	1076									
Abutment A-K1			30-Sep-21 A	02-Apr-22	29-Jun-22	23-Dec-25	1095	10.00				1				
3.94230	CKRW - Exavation Down to Formation Layel A-K1-CKRW	14	30-Sep-21 A	15-0d-21 A	23-Dec-25	23-Dec-25		2.00							11	
3.9-4232	CKRW - Prepare pile head (4nrs) A-K1-CKRW	17	07-0d-21 A	18-0d-21 A	23-Dec-25	23-Dec-25		1.00								
3.9-4234	CKRW - Construct Abutment Base A-K1-CKRW	19	25-0t-21 A	05-Nov-21 A	23-Dec-25	23-Dec-25		3.00								
3.9-4236	OKRW - Construct Abutment A-K1-OKRW	18	03-Mar-22	23-Mar-22	29-Jun-22	20-301-22	94	4.00								
3.9-4238	ORW - A-K1-ORW Install Permeate Membrane and Baddil	9	24-Mar-22	02-Apr-22	28-Nov-22	07-Dec-22	202	0.00								
Pier K5-CKRW-	1	35	26-Jan-22	14-Mar-22	02-Jun-22	20-34-22	102	9.00								
3.9-12-10	O/RW - Prepare Pile Head for KS-O/RW-1	5	26-Jan-22	31-Jan-22	62-Jun-22	08-Jun-22	97	1.00								
3.9-4244	OKRW - KS-OKRW-1 Reinstatement of Slab of Kai Tak River	12	08-Feb-22	21-feb-22	15-Jun-22	28-Jun-22	102	6.00								
3.9-4242	CKRW - Construct Pier KS-CKRW-1 (2 Life)	18	22-Feb-22	14-Mar-22	29-Jun-22	20-3.1-22	102	2.00	hand and a second	ապատկապետակատերու			<u>.</u>		ilen de	ani da casa
Pier K5-CKRW-			08-Feb-22	19-Ma-22	09-Jun-22	20-3.4-22	97	9.00								
3.9-4252	CKRW - Prepare Pile Head for KS-CKRW-2		08-Feb-22	12-feb-22	09-Jun-22	14-Jun-22	97	1.00								
3.94256	CRW - Pripare Pie Hoz for K3-CRW-2 CRW - K3-CRW-2 Reinstatement of Slab of Kal Tak River		14-Peb-22	10130.000			077.0	6.00								
3.94256	CIGRUY - KS-CIGRUY-2 Reinstatement of Stab of Kai Tak River	12	14-Peb-22	26-Reb-22	15-Jun-22	28-Jun-22	97	6.00								
Current Misele				0.000		1982 G	10000	e es	All Andrews	Project ID: KTE-WP26_M32		Data 25-Oct-21	Monthly Program		T	
Adual Work	Central Ko	owloo							v26 - CSD)	Baseline: Layout: KTE - 3 Months Rolling Programme		20-Nov-21 25-Nov-21	Submit CSD Pro		Th Th	
			Thr	ee Mon	th Rolli	ng Prog	ramn	ne				25-P89-51	Superil CSD Pro			Y DC
Remaining Wa	kark.				un nom		,			Filter: TASK filters: 3 Months Rolling_1, KTE - Su	abmission.	25-Deo/21	Monthly Program			Y DC

D	Activity Name	Orig Du	Slat	Pinish	Late Start	Lele Finish	Total Float	TRA (Dey)	December 32	January 30	February S4	1	Wardh 35		April 38	
3.9-4254	OKRW - Construct Piler KS-OKRW-2 (2 Lifts)	15	28-Feb-22	19-Mar-22	29-Jun-22	20-3.4-22	97	2.00	28 05 12 19	20 12 09 16 3	3 30 06 13 20	27 06	13 20	27 03	10 1/	24
Abutment A-I	K4-CKRW	58	17-Feb-22	29-Apr-22	31-Nay-22	08-Aug-22	82	7.00								
3.9-4268	OKRW - Prepare pile head (4nrs) A-K4-OKRW	17	17-Feb-22	08-Mar-22	31-May-22	20-Jun-22	82	1.00								
3.9-4270	OKRW - Construct, Abutment, Base A-K4-OKRW	15	09-Mar-22	30-Mar-22	21-Jun-22	13-34-22	82	3.00				-				
3.94272	CKRW - Construct Abutment A-K4-CKRW	22	31-Mar-22	29-Apr-72	14-3.6-22	08-Aug-22	82	3.00				1			_	-
CKRW - Deck		26	24-Mar-22	29-Apr-22	21-3/4-22	22-Aug-22	94	5.00								
	K1-CKRW - K5-CKRW		24-Mar-22	29-405-22	21-3.4-22	22-403-22	94	5.00								
3.94278	OKRW - Span K1-K5 Falsework and formwork		24-Mar-22	20-401-22	21-34-22		94	3.00							_	
				0.000		12-Aug-22						100				-
3.9-4280	OKRW - Span K1-K5 Instal Bearings		21-Apr-22	29-Apr-22	13-Aug-22	22-Aug-22	94	2.00				-			-	_
	toad Underpass S3		04-Aug-21 A		09-Rdb-22	14-Jan-23	209	29.00								
53 - Not relat	ed to TTA (Ramp W4-W1)	16	11-Apr-22	05-May-22	22-Dec-22	14-Jan-23	209	6.00								
ELS for Under	rpass (Ramp)	18	11-Apr-22	05-May-22	22-Dec-22	14-Jan-23	209	6.00								
4-4504	53 - Install coffeedam	16	11-Apr-22	05-May-22	22-Dec-22	14-Jan-23	209	6.00							_	
53 - TTA Stag	e 1 (Ramp W8-W5 & Box Section Bay B1)	185	04-Aug-21 A	21-Mar-22	09-Feb-22	06-May-22	35	23.00								
RC Structures	•	145	04-Aug-21 A	13-Jan-22	09-Feb-22	08-Apr-22	65	16.00				1				
Box Section			11-5ep-21.4	154951	Start?	02448-12		12.00								
Bay B1 (L=	20m) Pump Sump	86	30-Sep-21 A	13-Jan-22	15-Feb-22	02-Mar-22	35	12.00								
4-4568	S3-B1 - Construct. Sump Pump wall & slab upto -1.084	23	30-Sep-21 A	29-0d-21 A	15-Feb-22	15-Feb-22		5.00								
4-4569	S3-B1 - Construct Base Slab (with Plant Room)	30	30-0d-21 A	03-Dec-21 A	15-Feb-22	15-Feb-22										
4-4570	S3-81 - Consturct RC Well & Sump Pump well & sleb upto +2.5			22-Dec-21 A		15-Peb-22		4.00								
4-4574	S3-B1 - Consturt: Top Slab		23-Dec-21 A		15-Feb-22	02-Mar-22	35	3.00								
			L'OCET A		ISTOVIE.	. Sa Paras		5.00								
Ramp W8 to																
Bay W5			05-0c-21 A		21-Feb-22	21-Feb-22	30	0.00								
4-4549	S3-W5 - Construct Side Wall (final pour)		05-Oxt-21 A		21-Feb-22	21-Feb-22	30		4 4 E E							
Bay W6			04-Aug-21 A		09-Feb-22	21-Feb-22	30	2.00								
4-4542	S3-W5 - Construct Side Wall	26	04-Aug-21 A	10-Jan-22	09-Feb-22	21-Feb-22	30	2.00								
Bay W8		10	25-Od-21 A	03-Dec-21 A	08-Apr-22	08-9pr-22		2.00								
4-4578	S3-W8 - Construct Side Wall	10	25-0d-21 A	03-Dec-21 A	08-Apr-22	08-Apr-22		2.00								
Miscellaneou	5	51	14-Jan-22	21-Mar-22	03-Mar-22	05-May-22	35	7.00				1				
4-4576	S3 - Box Section B1 Baddfilling upto GL	30	14-Jan-22	24-Feb-22	03-Mar-22	07-Apr-22	35	2.00				-				
4-4584	S3 - Ramp WS-W8 Backfilling upto GL	12	25-Feb-22	10-Mar-22	08-Apr-22	25-Apr-22	35	2.00								
4-4585	53 - Temp steel deck bridge over the Ramp W7-W8	21	25-Feb-22	21-Mar-22	08-Apr-22	06-May-22	35	3.00								
S3 - TTA Stag	e 2 (Box Section Bay 2 & 3)		22-Apr-22	23-Apr-22	07-May-22	10-May-22	12	0.00								
TTA Advance			22-Apr-22	23-Apr-22	07-May-22	10-May-22	12	0.00								
44596	TTA - Implement TTA Stage 2		22-Apr-22		07-May-22	Constanting of	12								1.0	
4-4588	TTA - TTA Stage 2 Trial Run		22-Apr-22	23-401-22	07-Nav-22	10-May-22	12	0.00								
	ning Walls and At-grade Road Works		25-Aug-21 A		09 Feb-22	24 Feb-23	227	107.00								
Retaining Wa		215	25-989-21 A	19-May-22	09-Feb-22	24-Peb-23	227	95.00								
Current Mi	inform									Designed (D): (2000 1400-14-14		Date		Revision	Chades	1 Appr
Adual You	Aduition Central Kowloon Route - Kai Tak Eas					t (Mont	h 32 L	Jpdat) (Rev26 - CSD)	Project ID: KTE-WP26_M32 Baseline:		25-Od-21 20-Nov-21		храпте Леу 25	TYY TYY	DC DC
Critical Ram	maning Work					ing Pro			,,	Layout: KTE - 3 Months Rolling		25-Nov-31 24-Dec/21	Monthly Program Submit CSD Pro	spramme Rev 26	TYY TYY	DC
	rises.		1.587	11227172553			847333333 8	1913(1)		Filter: TASK filters: 3 Months R	oling_1, KIE - Submission.	25-Deo21	Monthly Program	rme M32	TYY	DC
										Page 10 of 17		-			_	

			Slat		Lain Stat		Total Float	TRA (Dwy)	28 05 12 19	26 12 09 16 23 30 06 13 20	30 27 06 13 20 27 03 10 17 24
W-S1		36	30-Mar-22	17-May-22	26-May-22	19-34-22	52	9.00			
Retaining Wa	u -		30446-22	17469-22	21May 22			9.00			
5A-5024	RtM51 - Excavation down to formation level +2.9/+4.0	10	30-Mar-22	11-Apr-22	26-May-22	07-Jun-22	43	2.00			
5A-5028	RIV-S1 - Plate Load Test and Report (P1)	5	12-Apr-22	20-Apr-22	(8-Jun-22	13-Jun-22	43	2.00			
5A-5035	RW-51 - Exavation down to formation level +2.8	24	12-Apr-22	14-May-22	21-Jun-22	19-3.4-22	54	2.00			
5A-5030	RW-51 - Construct Base Slab (Bay 12/11/10)	21	21-Apr-22	17-May-22	14-Jun-22	08-34-22	43	3.00			
W-52		172	29-Sep-21 A	30-Apr-22	24-Jun-22	02-Sep-22	103	8.00			
54-5096	R/M-S2 - Excavation down to formation level +2.7/+5.0	7	29-Sep-21 A	21-0d-21 A	24-3un-22	24-Jun-22		1.00			
54-5098	RWS2 - Plate Load Test and Report (P1)	5	22-0d-21 A	23-0d-21 A	24-Jun-22	24-Jun-22		1.00			
5A-5098A	RM-52 - Replacement of formation for Bay 7 (PMI-330)	10	25-0ct-21 A	05-Nov-21 A	24-Jun-22	24-Jun-22					
54-50988	RW-52 - Plate Load Test and Report (P1) - after replacement of format	tion 4	08-Nov-21 A	11-Nov-21 A	24-3un-22	24-Jun-22					
54-5100	(PML-330) RW-S2 - Construct Base Stab (Bay 7)		12-Nov-21 A	23-Nov-21 A	24-3un-22	24-Jun-22	_	1.00			
5A-5098C	RIM-52 - Replacement of formation for Bay 6 (PMI-330)		25-Nov-21 A			24-Jun-22		0.000			
54-5102	RM-52 - Construct Base Stab (Bay 6)		14-Dec-21 A			24-Jun-22		1.00			
54-5103	RWS2 - Exavation down to formation level +4.5		21-Mar-22	02-Apr-22	20-Aug-22	02-Seo-22	123				
54-5106	RM-S2 - Construct Base Slab (Bay 5/4)		12-Apr-22	30-4pr-22	24-Jun-22	11-34-22	57	2.00			
54-5104	RW-S2 - Construct Wall (Bay 7)						74	1.00			
54-5104			12-Apr-22	20-Apr-22 26-Apr-22	15-Jul-22 21-Jul-22	20-3ul-22 26-3ul-22	74	1.00			
	RW-S2 - Construct Wall (Bay 6)		21-Apr-22								et a ser
W-S4			25-Sep-21 A	16-May-22	09-Feb-22	13-Jan-23	200	11.00			
5A-5144A	RW-54 - Construct Well (Bay 7) Ind. TCSS duct		25-Sep-21 A		15-Feb-22	15-Peb-22					
54-51454	RWS4 - Construct Wall (Bay 5) ind. TCSS duct		25-Sep-21 A		15-Feb-22	15-Feb-22					
54-5158	RW-54 - Construct Base Slab (Bay 2)	14	25-0xt-21 A	12-Nov-21 A	25-Nov-22	25-Nov-22		1.00			
54-5156	RW-54 - Construct Wall (Bay 3) ind. TCSS duct	16	25-0c-21 A	11-Nov-21 A	06-May-22	06-May-22		1.00			
5A-5158A	RW-54 - Construct Wall (Bay 2) ind. TCSS duct;	21	25-Nov-21 A	03-Jan-22	25-Nov-22	30-Nov-22	267	1.60		-	
54-51504	RW-S4 - Construct Wall (Bay 4) ind. TCSS duct	47	08-Dec-21 A	03-3an-22	09-Feb-22	14-Feb-22	30		-		
54-5168	RIM-S4 - Fill up to formation level	65	04-Jan-22	26-Mar-22	15-Feb-22	06-May-22	30	4.00			
54-51378	RIV-54 - Replacement of Existing Soil with Rock Fill and Sub-base (Bay (PML-500))	6) 3	04-Jan-22	05-3an-22	11-Mar-22	14-Mar-22	51				
54-5146	RW-S4 - Construct Base Slab (Bay 6);	14	07-Jan-22	22-Jan-22	15-Mar-22	30-Mar-22	51	2.00		d	
54-51464	RW-S4 - Construct Wall (Bay 6) ind. TCSS duct	21	24-Jan-22	23-feb-22	31-Mar-22	28-Apr-22	51				
54-5162	RW-S4 - Construct Base Slab (Bay 1)	14	30-Mar-22	19-Apr-22	01-Dec-22	16-Dec-22	200	1.00			
5A-5162A	RW-54 - Construct Well (Bay 1) ind. TCSS duct	21	20-Apr-22	16-May-22	17-Dec-22	13-km-23	200	1.00			
W-57-a		54	24-Feb-22	03-May-22	18-00-22	24-Feb-23	240	9.00			
54-5190	RW-57-a - Plate Load Test and Report	14	24-Feb-22	11-Mar-22	18-Oct-22	02-Nov-22	191	2.00			
54-5192	RW-57-a - Construct Base Slab (RW-57-a1)	14	12-Mar-22	28-Mar-22	03-Nov-22	18-Nov-22	191	2.00			
54-5196	RWS7-a - Construct Well (RW-S7-a1)	9	29-Mar-22	08-Apr-22	01-Dec-22	10-Dec-22	201	1.00			
54-5416	RW-S7-a - Construct Base Slab (RW-S7-a2)		29-Mar-22	12-4pr-22	19-Jan-23	08-Feb-23	240	2.00			
54-5418	RWS7-a - Construct Wall (RW-S7-a2)	14	13-Apr-22	03-May-22	09-Feb-23	24 Feb-23	240	2.00			
W-57	1999 - HER BARREN AND AN AND AN		08-Peb-22	26-Apr-22	08-Sep-22	21-Dec-22	198	7.00			
				10000							
Ument Mika	tione	104000 1 M				200000		a. 197	the later termination	Project ID: KTE-WP26_M32	Data Peviaion Chadeid App 25-06-21 Manthu Piscramme M30 Thy DC
Adual York		al Kowloo	on Rout	e - Kai '	Tak Eas	t (Monti	h 32 L	Jpdate	(Rev26 - CSD)	Baseline:	20Nov-21 Submit CBD Programme Rev 25 TYY DC
Critical Remaining V			Th	ee Mon	th Rolli	ng Prog	gramm	ne	1999-1999 - 1999-1999	Layout: KTE - 3 Months Rolling Programme Filter: TASK filters: 3 Months Rolling_1, KTE - Submission.	25Nov-21 Marthly Programme M31 TW DC 24-Dec-21 Submit CSCI Programme Rev 26 TW DC
							or-09833-01/8			The Treat Hers a Multiple Honory It ALE - Submission.	25Deo21 Monthly Programme M32 TVY DC

V ID	A: trity Name	Orig	Dur Stat	Pinish	Late Start	Lele Finish	Total Float	TRA (Dey)	28 05 12 19	January February 33 34 26 52 50 16 20 30 56 15 2	27 66	March 35 13 20	27 03	April 30 10 17 1	24
54-5188	RW-S7 - Excavation down to formation level +3.5/+4.	L	7 08-Feb-2	15-Feb-22	(8-Sep-22	16-Sep-22	174	1.00				10 1 44			
54-5191	RW-57 - Plate Load Test and Report		14 12-Mar-2	2 28-Mar-22	03-Nov-22	18-Nov-22	191	2.00				<u> </u>			
54-5194	RW-57 - Construct Base Siab (Bay 1)		7 29-Mar-2	06-Apr-22	19-Nov-22	26-Nov-22	191	1.00							
54-5198	RW-S7 - Construct Base Slab (Bay 2/3)		14 07-Apr-2	26-Apr-22	28-Nov-22	13-Dec-22	191	2.00						_	
54-5200	RW-S7 - Construct Wall (Bay 1)		9 09-Apr-2	22-40-22	12-Dec-22	21-Dec-22	201	1.00					-	-	
RW-57/58			55 16-Feb-2	25-Apr-22	10-0d-22	24-Feb-23	246	9.00							
54-5218	RW-S7/S8 - Excavation down to formation level +3.8/-	+3.9	7 16-Feb-2	23-Feb-22	10-0:1-22	17-04-22	191	1.00							
54-5220	RW-57/S8 - Plate Load Test and Report		14 24-Feb-2		21-Dec-22	09-Jan-23	246	2.00							
54-5222	RWS7/S8 - Construct Base Slab (Bay 1)		7 12-Mar-2		10-Jan-23	17-Jan-23	246	1.00							
54-5224	RW-57/58 - Construct Base Slab (Bay 2)		7 21-Mar-2		20-Jan-23	03-Feb-23	248	1.00				_			
54-5226	RW-57/58 - Construct Well (Bay 1)		9 21-Mar-2		18-Jan-23	03-566-23	246	1.00					E.		
54-5228	RW-57/58 - Construct Base Slab (Bay 3)		7 29-Mar-2		07-Feb-23	14-Feb-23	250	1.00							
54-5230	RIV-57/58 - Construct Wall (Bay 2)		9 31-Mar-2		04-Feb-23	14-Feb-23	246	1.00						'	
54-5232	RIV-57/S8 - Construct Wall (Bay 3)		9 12-Apr-2	25-Apr-22	15-Feb-23	24-Feb-23	246	1.00						E	
RW-S8-a			62 02-Mar-2	2 19-May-22	03-0d-22	10-Jan-23	194	9.00							
54-5260	RIV-S8-a - Plate Load Test and Report		14 02-Mar-2	2 17-Mar-22	03-0d-22	19-Od-22	174	2.00			E				
5A-5262	RW-S8-a - Construct Base Slab (RW-S8-e1)		14 18-Mar-2	02-Apr-22	20-0d-22	04-Nov-22	174	2.00				-			
54-5264	RVV-S8-a - Construct Well (RVV-S8-a1)		9 04-Apr-2	14-Apr-22	09-Nov-22	18-Nov-22	177	1.00					-		
54-5420	RW-S8-a - Construct Base Slab (RW-S8-a2)		20 04-Apr-2	30-Apr-22	29-Nov-22	21-Dec-22	194	2.00					C		_
5A-5422	RW-S8-a - Construct Wel (RW-S8-a2) (2 Lifts)		24 20-Apr-2	19-May-22	10-Dec-22	10-Jan-23	194	2.00							_
RW-58			61 16-Feb-2	03-May-22	17-Sep-22	29-Nov-22	174	7.00		····					
5A-5258	RW-S8 - Exervation down to formation level +2.6/+4.	1	12 16-feb-2	2 01-Mar-22	17-5ep-22	30-Sep-22	174	1.00							
SA-5261	RW-S8 - Plate Load Test and Report		14 18-Mar-2	02-Apr-22	20-0d-22	04-Nov-22	174	2.00	2 4 2 4 4			-			
54-5266	RW-58 - Construct Base Stab (Bay 1)		7 04-Apr-2	12-Apr-22	05-Nov-22	12-Nov-22	174	1.00							
54-5268	RW-S8 - Construct Base Stab (Bay 2/3)		14 13-00-2		14-Nov-22	29-Nov-22	174	2.00			1			_	_
54-5270	RW-58 - Construct Wall (Bay 1)		9 19-Apr-2		19-Nov-22	29-Nov-22	177	1.00							
RW-59			202 29-Sep-21		09-Feb-22	13-Jun-22	30	26.00							
KW-39			202 29-94721		0440.022	13-500-22	- 30	20.00							
aC-gn 1		1			01-2-12	I Production of the	.00	26.00							
SA-5296	RW-S9 - Construct Base Slab (Bay 7)			A 12-0d-21 A		09-Feb-22		2.00							
SA-5300	RIV-S9 - Construct Base Slab (Bay 5)		4 25-0¢-21			0 9-Feb- 22		2.00							
SA-5298	RW-S9 - Construct Base Slab (Bay 6)		2 25-Oct-21		09-Feb-22	09-feb-22		2.00							
SA-5302	RW-S9 - Construct Base Slab (Bay 4)		9 28-Dec-2	07-jan-22	09-Feb-22	18-Feb-22	30	2.00							
SA-5304	RIV-S9 - Constauct Wall (Bay 4)		14 08-Jan-2	24-Jan-22	25-Mar-22	11-Apr-22	59	2.00							
54-5306	RW-59 - Construct Base Slab (Bay 3)		9 08-Jan-2	2 18-Jan-22	19-Feb-22	01-Mar-22	30	2.00							
5A-5318	RW-S9 - Fill upto formation level		28 19-Jan-2	26-Feb-22	02-Mar-22	02-Apr-22	30	4.00		C					
54-5308	RW-S9 - Construct Base Slab (Bay 2)		11 19-Jan-2	31-Jan-22	20-Apr-22	03-May-22	68	2.00	Service and the service of the servi						
5A-5310	RW-S9 - Construct Wall (Bay 3)		15 25-Jan-2	2 17-Feb-22	12-Apr-22	03-May-22	59	2.00							
5A-5314	RW-S9 - Construct Wall (Bay 2)		16 18-Peb-2	08-Mar-22	04-May-22	23-May-22	59	2.00		_					
Current Mil	K mining Work	Central Kowl		ute - Kai hree Mo) (Rev26 - CSD)	Project ID: KTE-WP26_M32 Baseline: Layout: KTE - 3 Months Rolling Programme Filter: TASK filters: 3 Months Rolling_1, KTE - Submission.	Date 25-Ort-21 20-Nov-21 25-Nov-21 25-Nov-31 24-Dec-21	Submit CSD Pro Monthly Program Submit CSD Pro	gamme Rev 25 me MS1 gamme Rev 26	TYY TYY TYY	DC DC DC DC
- Lag reading							1992 (S. 1993) (S. 1992)	5313177		Filter: I ASK tilters: 3 Months Rolling_1, KI E - Submission. Page 12 of 17	25/Deo-21			THY	DC

y iD	Actually Name	Orig Dur	Stat	Pinish	Late Start	Lide Finish	Totel Float	TRA (Dey	December 32 28 05 12 19	25 0	2 00	33 16	21	30 1	Feb D6 1	34 13	20	27 1	06	March 35	20	27	13	April 36	17	24
54-5312	RW-S9 - Construct Base Slab (Bay 1)	11	30-Mar-22	12-Apr-22	11-May-22	23-May-22	30	2.00				10						T	50	19		-				
5A-5316	RW-59 - Construct Well (Bey 1)	17	13-Apr-22	06-May-22	24-May-22	13-Jun-22	30	2.00										1						-	_	
Road Works		204	25-Aug-21 A	10-May-22	11-Mar-22	01-Nov-22	145	12.00																		
Initial Stage f	or Kai Fuk Road	14	28-Dec-21	13-Jan-22	20-Apr-22	05-May-22	86	2.00																		
54-5502	KFRD - Temp relocate existing Traffic Gantry (VIB) Ksn23B	14	28-Dec-21	13-Jan-22	20-Apr-22	06-May-22	86	2.00		_	-															
Pre-stage at l	Kai Fuk Road for KFR TTA Stage 1, 1.1, 1.2 & 1.3	44	25-Feb-22	21-Apr-22	11-Mar-22	05-May-22	12	6.00										1					1			
54-5523	KFR(Pre-stage for 1.1) - Road Pavement for KFR TTA Stage 1.1	24	25-Feb-22	24-Mar-22	11-Mar-22	08-Apr-22	12	2.00										1		_	-					
5A-5523A	(Ind.bad/filling) KFR(Pre-stage for 1.2) - Road works for contra flow section		25-Mar-22	11-401-22	09-Apr-22	28-Apr-22	12	2.00							-								and a			
				100000	1.20			- 275																-		
54-55238	KFR(Pre-stage for 1.3) - Leveling of existing road		12-Apr-22	21-Apr-22	29-Apr-22	06-May-22	12	2.00																-		
At-grade Slip			28-Feb-22	26-Mar-22	04-Apr-22	05-May-22	30	4.00																		
54-5510A	BIM - S004 - Road and Drainage works / Utilities / TCSS duct laying (before KFR TTA Stage 2)		28-Feb-22	19-Mar-22	04-Apr-22	28-Apr-22	30	2.00							- 1											
54-5510	S004 - Road Pavament for KFR TTA Stage 2	б	21-Mar-22	26-Mar-22	29-Apr-22	06-May-22	30	2.00												1						
Kai Fuk Road	(EB) - Maintain 3 traffic lanes until CKR commissioning (PMI 253	204	25-Aug-21 A	10-May-22	02-364-22	01-Nov-22	145	0.00																		
54-5844	KFR(EB) - 3 lanes - Tree felling propose; LCSD checking and approval	180	25-Aug-21 A	064pr-22	02-3.4-22	03-00-22	145		_		-	-		-	-	- 1	_	1		1	-		-			
54-5946	KFR(EB) - 3 lanes - Tree felling works; TTA required	24	07-Apr-22	10-May-22	05-0d-22	01-Nov-22	145											1					-	-	-	_
SCH_68 Re-co	instruction of Existing Box Culvert	29	28-Dec-21	08-Feb-22	04-Aug-22	07-Sep-22	174	0.00																		
Box Culvert re	- construction Works	29	28-Dec-21	08-Feb-22	04-Aug-22	07-Sep-22	174	0.00										1								
BC- Reinstate	ment Works	29	28-Dec-21	08-feb-22	04-Aug-22	07-Sep-22	174	0.00							- 4											
68-5782	BC - Reinstate hard paving and related UU	12	28-Dec-21	11-Jan-22	04-Aug-22	17-400-22	176			_																
68-5784	BC - Reinstate planter wall in DSD compound		12-Jan-22	25-Jan-22	18-Aug-22	31-Aug-22	176				-	-	-					1								
68-5786	BC - Transplant 5 nos of tree in DSD compound		12-Jan-22	14-Jan-22	29-Aug-22		185					4														
						31-4ug-22								_												
68-5788	BC - Reinstate fending in DSD compound	6	26-Jan-22	04-146-22	01-Sep-22	07-Sep-22	176											Į					1			
68-5790	BC - Complete reconstruction of Box Culvert	0		08-Feb-22		07-Sep-22	174								•			1								
Section 5 - S	lip Road S5 Works (Subject to Excision)																									
Sch_58 55 - D	rainage and Road Works	0	22-Apr-22	22-40-22	27-Mar-23	27-Mar-23	274	0.00																		
5B-6200	S5 - Notified by PMs to execute Section 5 of the Works (Slip Road S5)	0	22-Apr-22		27-Mar-23		274											1				1			•	
Section 6 - E	scape Route for Slip Road S6 Works (Subject to Exc	0	22+0p+02	214(0+22)	25500012	2840er92	205	0.00										i.								
Sch_5C S6 - D	rainage and Road Works	D	22-Apr-22	22-Apr-22	28-Dec-22	28-Dec:22	205	0.00							1											
50-6300	S6 - Notified by PM's to execute Section 6 of the Works (Slip Road S6)	0	22-Apr-22		28-Dec-22		205											1					1			
Section 8 - V	entilation and E&M adit and Ring Road Underpass	349	25 Marial A	06-347-22	11-Mov-21	20-Jun 22	12	58.00																		
	ation and E&M Adit Works			23-10-22		20-Jun-22	46	14.00																		
	L, 1D3, 1B1 & 1B2			23-Apr-22		20-Jun-22	46	14.00										l.								
			25-Sep-21 A		11-Nov-21	28-Jan-22	-38	2.00																		
VA - RC Struc		Pil	LJ JOPZE A	1.70-22	THURL	10.00122	-30	2.01																		
	- Bay 65 (14.5m)	1	10-07214	1-2-12	13 145-21	D ABV21	- 30-																			
6A-6571	VA-BS - Backfilling to strik L3/L4/L5	50	15-Nov-21 A	14-Jan-22	11-Nov-21	27-Nov-21	-38	_																		
6A-6577	VA-86 - Baddrilling to strike L3/L4/L5	50	15-Jan-22	21-Mar-22	29-Nov-21	28-Jan-22	-38					-	i (14	1								
VA Sections	- Blay 67 (23.3m) undermeath Blog Road 87	"	15-54p.) F	12-460-21.4	i6 Garcel	100m.11		20						가지												No.
Current Mik	stare									Projec	t ID: KTE-	WP26 M	32					-	Date Det-21	1	Programme	Revision		TY	hided	Аррю ОС
Adual Yior	Central No	owloo	n Rout	e - Kai	Tak Eas	t (Mont	h 32 U	pdat	(Rev26 - CSD)	Basel	ne:	100007700						204	Nov-21	Submit C	SD Proge	апте Рек	25	TY	r	DC
Critical Rem Remaining	swing Work					ing Prog			ennered fillen i Broch of A		t KTE - 3 TASK filte				Submin	sion		244	Nov-51 Dec:21	Submit C	Programme SEO Progra	amme Fees	26	TY	Y	DC DC
	4 m 100						5-1-4690 X 0/189			F100C	1100, 109	a a multi	ne hunng	LIANE	- auxilis	NarUII.		254	Deci21	Monthly i	Pagramme	e M32		TY	r	DC
										Page	13 of 17							1		-				102		_

0	Activity Name	Orig Dur	Skat	Pinish	Late Start	Late Finish	Totel Float	TRA (Dey)	28 05 12 19	26 1/2 20 1/6 21 30 96	0ruoiy 34 13 20	27 06	35 13 20	27 13	36 10 17	24
64-6602	VA-B7 - Construct RC Walls & Top Slab	23	25-Sep-21 A	17-Nov-21 A	16-Dec-21	16-Dec-21		2.00					10			-
A - Miscellar	eous	315	25-Mar-21 A	23-Apr-22	20-Nov-21	20-Jun-22	46	12.00						- A - A		
VA - Stoge 1	Miscellaneous works		25-marga A	12:00.77	2040921	15-04021		6.00								
6A-6604	VA - Movement Joint / Waterproofing, Stage 1	32	25-Mar-21 A	31-Dec-21	20-Nov-21	24-Nov-21	-30	2.00		-						
64-6606	VA - Badkfiling up to GL with additional concrete bik end wall, Stage 1.	16	28-Dec-21	15-3an-22	20-Nov-21	08-Dec-21	-30	4.00								
6A-6607	VA - Haul Road preparation 8, diversion, stage 1 (end May 2021)	б	17-Jan-22	22-Jan-22	09-Dec-21	15-Dec-21	-30			_						
VA-Stage 1	Miscellanepas works	68	24.bm??	23-4/-72	16 Dec 31	76-Jun 27	-4	6.00								
6A-6608	VA - Movement Joint / Waterproofing, Stage 3	50	24-Jan-22	29-Mar-22	16-Dec-21	22-Feb-22	-30	2.00				_		-		
6A-6610	VA - Badr/Ring up to GL, Stage 3	56	14-Feb-22	23-Apr-22	03-Jan-22	15-Mar-22	-30	4.00			-				_	4
6A-6612	Completion of Structure of vent. and EBM Adit within Parts 181, 182, 1D1,	0		23-Apr-22		20-Jun-22	46	10.0001154								
	103 Road Underpass		20-0:0-21 A	06-Jun-22	22-Dec-21	06-Jun-22	0	44.00								
	, 1D2, 1D3, 1D4, 1B1 & 1B2			06-Jun-22	22-Dec-21	06-Jun-22	0	44.00								
RR - ELS Wor				15-Feb-22	29-Dec-21	04-May-22	62	9.00								
				15-980-22	29-080-21	099989-22	62	9.00								
RR-ELSISTA					29Cerch	(Inclusion of the second se	102	940								
4-6732	RR - Exavation Down to 1st waling & Strut; Install waling & Strut; 1818;182			07-Jan-22	29-Dec-21	08-Jan-22	1	4.00								
4-6734	RR - Excevation Down to Final formation Level, 1618/182	21	08-Jan-22	08-Feb-22	10-Jan-22	09-Feb-22	1	4.00								
4-6736	RR - Exavetion Down to Formation Level (Backfilling) (RR), 1B18.1B2 (Open cut)		09-Feb-22	15-Feb-22	27-Apr-22	04 May-22	62	1.00			•	1				
RR - Box Sec	ions, Pump Sump & FS Plant Room	181	20-0xt-21 A	06-Jun-22	22-Dec-21	06-Jun-22	0	31.00								
								4.59								
4-6746	RR-R3 - Construct External Wall	23	20-0:±-21 A	10-Jan-22	30-Mar-22	12-Apr-22	72	2.00								
4-6748	RR-R3 - Construct Top Slab	21	13-Jan-22	12-Feb-22	13-4pr-22	12-May-22	70	2.00								
RR - Day 154	(S011 CH0+145 to 0+161)	157	JII Gat21.A	12-Hel-22	100/00/22	2690er22	50	4100				-				
4-6752	RR-R4 - Construct External Wal	24	20-0ct-21 A	10-Jan-22	14-Mar-22	25-Mar-22	58	2.00				1				
4-6754	RR-R4 - Construct: Top Slab	23	11-Jan-22	12-Feb-22	26-Mar-22	26-Apr-22	58	2.00								
RR-Bay 85	(5011 CH0+161 to 0+189)	62	2000102 T A	17-040-972	144906-17	200029-27	51	4.60				 [
4-6764	RR-RS - Construct, External Wall	24	20-0d-21 A	10-Jan-22	14-Mar-22	25-Mar-22	58	2.00								
4-6766	RR-R5 - Construct: Top Slab	23	11-Jan-22	12-Feb-22	26-Mar-22	26-Apr-22	58	2.00				1				
RR - Bay BS	(\$011.H0+185 to 0+103.3)	61	UL Har 22	17 May 22	10 feb-22	26 Apr 22	16	2.66								
4-6768	RR-R6 - Construct Base slab	14	01-Mar-22	16-Mar-22	10-Feb-22	25-Feb-22	-16	3.00				-				
4-6770	RR-R6 - Construct External Wal	24	17-Mar-22	14-401-22	26-Feb-22	25-Mar-22	-16	2.00					Concession of the local division of the loca	1		
4-6772	RR-Rő - Construct Tep Slab		19-Apr-22	17-May-22	26-Mar-22	26-Apr-22	-16	2.00								
RR - Day B7	(5011 CH0+1913 to 0+211.6) (at grade) (RU1)	122	III Area 21.4	011022	-22 (mo 11	Centure 2.2		6.00								
4-6775	RR-RU1 - Construct Side wal / Internal wal	38	18-Mov-21.4	17-Dec-21 A	22-Dec-21	22-Dec-21										
4-6778	RR-RU1 - Construct Scie Walls (PS plantmore 1 8, 2)			26-Jan-22 A	14-Apr-22	14-Apr-22		4.00	1 1 1 1 1							
4-6776	RR-RU1 - Construct: NL, Walls (PS participient 1 & 2) RR-RU1 - Construct Intermediate Slab, RC Walls & Slabs up to -0.825		15-feb-22	25-Mar-22 A	22-Dec-21	09-Feb-22	-38	4.00								4
								4.00			1 1	t				
4-6777	RR-RU1 - Construct Plantroom Slabs up to 40.675 (15 plantroom 2)		26-Mar-22	13-Apr-22	26-Mar-22	13-Apr-22	0									
4-6779	RR-RU1 - Construct Top Slabs up to +3.375/+4.500 (PS plantroom 1 8.2)	40	14-Apr-22	06-Jun-22	14-Apr-22	06-Jun-22	0									
		38						2.00				1				
												Date	1	Plavison	Chiede	ed Appe
Current Mil		owloo	n Rout	e . Kai '	Tak Fas	t (Mont	h 32 I	Indate) (Rev26 - CSD)	Project ID: KTE-WP26_M32 Baseline:		25-Oct-21 20-Nov-21	Monthly Programm Submit CSD Prog	ne M30	TYY	DC DC
- Critical Ram	eening Work	- 1100				ng Prog			(Layout: KTE - 3 Months Rolling Programme	10.0 MIL 10.0 M	25-Nov-21 24-Dec/21	Monthly Programm Submit CSD Prog	ne M31	TYY	DC DC
Hemaining	nax		1000					1913(2)		Filter: TASK filters: 3 Months Rolling_1, KTE - Submi	ssion.	25-Deo21	Monthly Programm		TYY	DC
										Page 14 of 17		-				_

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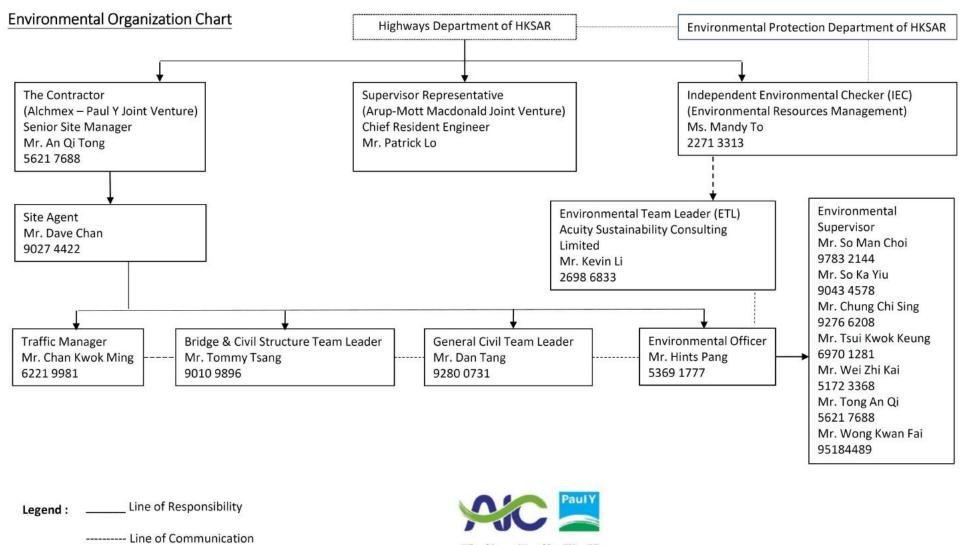
D	Actually Name	Orig Dur	Skat	Finish	Late Start	Lete Finish	Total Float	TRA (Dey	December 32 12 19	*	January 33	21	30 06	February 34		27 06	March 35	50 27	03	April 30	7 24
4-6782	RR-RUZ - Construct Base slab	15	26-Mar-22	13-Apr-22	10-Feb-22	26-Feb-22	-38	2.00			10						19			-	
4-6783	RR-RU2 - Construct Side Walls 1st pour	23	14-Apr-22	16-May-22	28-Feb-22	25-Mar-22	-38									1				-	-
KR-Bay BR	5011 CH0+225 to 0+239) (at-gradio) (R133)	28	14-10-22	17.000(22	05/04/02	01-40-72	-11	-2.01													
4-6784	RR-RU3 - Construct Base slab	24	14-Apr-22	17-May-22	05-Mar-22	01-Apr-22	-33	2.00												-	_
RR - Miscellan	eous Works	32	14-Apr-22	26-May-22	14-Apr-22	26-May-22	0	4.00													
HR - Stoge 2	Hacellaneous Works		19-50-22	26 146-22	1496-12	26-May 22		4.60													
4-6882	RR - Movement Joint / Waterproofing, Stage 2	32	14-Apr-22	26-May-22	14-Apr-22	26-May-22	0	4.00											1	-	
ection 10 - F	ootbridge, E&M Installation and Miscellaneous Wc	224	23-Aug-21 A	30-Apr-22	124(0):022	2446922	10	9.00								100					
ich_7 Abando	n Exisitng Subway KS-20	224 2	23-Aug-21 A	30-Apr-22	12-Jan-22	24 May 22	18	9.00										1			
KS-20 - Demo	listion / Filling Works	224 2	23-Aug-21 A	30-Apr-22	12-Jan-22	24-May-22	18	9.00						1							
Kai Fuk Road	(WB)	172 2	23-Aug-21 A	24-Feb-22	12-Jan-22	10-Mar-22	12	9.00											1.1		
7-7328	KS20 - Excavate down to subway roof level	18 2	23-Aug-21 A	03-Jan-22	22-Jan-22	27-Jan-22	21	3.00										_	-		
7-7330	KS20 - Demoleh extg.subway & ramp (WB)	28	28-Dec-21	29-Jan-22	12-Jan-22	19-Feb-22	12	4.00				-									
7-7332	KS20 - General fill to formation level / Utilities diversion / Laying inside subway		31-Jan-22	24-feb-22	21-Feb-22	10-Mar-22	12	2.00					1		-				10.00		
Kai Fuk Road			22-Apr-22	30-Aor-22	16-May-22	24-May-22	18	0.00										UTILITY OF			
7-7335	KS20 - Trial trench for sheetpile works		22-Apr-22	30-4pr-22	16-Nay-22	24-May-22	18														-
and the second second	Structure of Bridge CKRE		05-04-21 A	11-40-22	29-Dec-21	thim??	- 27	-1346							110-1-4-1						
	je CKRE Works		05-0d-21 A		29-Dec-21	13-Jun-22	27	33.00													
CKRE - Piling \				31-Jan-22	29-Dec-21	08-Apr-22	51	8.00													
			15-0t-21 A	31-30-22	26-Jan-22	08-Apr-22	51	8.00													
3.10-7514	Pier P-K5-CKRE CKRE - Bored Piles for K5-CKRE-2 (1 nf)			10-Nov-21 A		26-Jan-22	31	4.00													
	0.000 - 0.000 - 0.000 - 0.000 - 0.000									_						-					
3.10-7505	CKRE - Boned Piles for KS-CKRE-1 (1 nr)		19-Nov-21 A		26-Jan-22	31-kn-22	24	4.00				-		1		1					
3.10-7518	CKRE - KS-CKRE-2 Proof dnling & Piles testing		28-Dec-21	25-3 a n-22	11-Mar-22	08-Apr-22	56	0.00			4										
3.10-7510	OKRE - KS-OKRE-1 Proof drilling & Piles testing		04-Jan-22	31-Jan-22	08-Feb-22	07-Mar-22	24	0.00				P						1			
	ABUT A-K4-CKRE		28-Dec-21	17-3an-22	29-Dec-21	18-Jan-22	1	0.00								1					
3.10-7526	OKRE - ABUT A-K4-OKRE Proof drilling & Piles testing		28-Dec-21	17-Jan-22	29-Dec-21	18-Jan-22	1	0.00			-				1				4.1		
CKRE - Pile Ca	ps, Pier / Abutment	149	05-0d-21 A	14-401-22	19-Jan-22	19- q p-22	1	17.00								1					
Abutment A-K	1-CKRE	122 (05-0d-21 A	12-Mar-22	09-Mar-22	12-Apr-22	25	5.00	1												
3.10-7534	CKRE - Construct Abutment Base A-K1-CKRE	16	05-Od-21 A	25-0d-21 A	09-Mar-22	09-Mar-22		1.00													
3.10-7536	OKRE - Construct Abutment A-K1-OKRE	20	08-Feb-22	02-Mar-22	09-Mar-22	31-Mar-22	25	4.00					-								
3,10-7538	OKRE - AHLI-OKRE Install Permeate Membrane and Baddil	9	03-Mar-22	12-Mar-22	01-Apr-22	12-Apr-22	25	0.00								-	1				
Pier K5-CKRE	-1	25	08-Feb-22	08-Mar-22	08-Mar-22	12-Apr-22	29	4.00													
3.10-7540	DGRE - Prepare Pile Head for KS-OGRE-1	5	08-Feb-22	12-feb-22	08-Mar-22	12-Mar-22	24	1.00					-								
3.10-7544	OGRE - KS-OCRE-1 Reinstatement of Slab of Kai Tak River; remaining works	2	14-Feb-22	15-Feb-22	19-Ma-22	21-Mar-22	29	1.00										1000			
3.10-7542	OKRE - Construct Pier KS-OKRE-1. (2 Lifts)	18	16-Feb-22	08-Mar-22	22-Mar-22	12-Apr-22	29	2.00						-		-					
Pier K5-CKRE	-2	25	14-Feb-22	14-Mar-22	34-Mar-22	12-Apr-22	24	4.00													
3.10-7552	OKRE - Prepare Pile Head for KS-OKRE-2	5	14-Feb-22	18-Feb-22	14-Mar-22	18-Mar-22	24	1.00					o dia second			+				(
3.10-7556	CKRE - KS-CKRE-2 Reinstatement of Slab of Kai Tak River, remaining works	2	19 -Peb-22	21-Reb-22	19-Mar-22	21-Mar-22	24	1.00						c							
Ument Mile	stire								10.	Project ID: K1	EJMD26 M3	12				Dana		Plave			aded App
Adual Yilos Critical Ram Remaining V	Central Ko	owloor				t (Mont ing Pro			CSD)	Baseline: Layout: KTE - Filter: TASK 1	3 Months Ro	xiling Progra		mission.		25-Od-21 20-Nov-21 25-Nov-21 24-Deo21 25-Deo21	Submit C8 Monthly Pr Submit CS	togramme M30 SD Programme Mgramme M31 SD Programme M32 hogramme M32	Rev 25 Rev 26	79Y 79Y 79Y 79Y 79Y	DC DC
										Page 15 of 17											

D	Activity Name	Orig Du	Siat	Pinish	Late Start	Løle Filisti	Total Float	TRA (Dey)	December 32 28 05 12 19	January February 33 34 34 26 102 00 16 23 30 96 15 20	27 06	March 35 13 20	27 03	April 30 10 17	24
3,10-7554	OKRE - Construct Pier KS-OKRE-2 (2 Lifts)	18	22-Feb-22	14-Mar-22	22-Mar-22	12-Apr-22	24	2.00							
Abutment A-H	(4-CKRE	68	18-Jan-22	14-Apr-22	19-Jan-22	19-Apr-22	1	4.00							
3.10-7568	OKRE - Prepare pile head (4nrs) AK4-OKRE	20	18-Jan-22	16-Feb-22	19-380-22	17-Feb-22	1	0.00							
3.10-7570	CKRE - Construct Abutment Base A-K4-CKRE	17	17-Feb-22	08-Mar-22	18-Feb-22	09-Mar-22	1	1.00							
3.10-7572	OKRE - Construct Abutment A-K4-CKRE	22	09-Mar-22	02-40-22	10-Mar-22	04-Apr-22	I	3.00			-				
3.10-7574	OKRE - A-K4-OKRE Install Permeete Membrane and Baddill	9	04.Apr-22	14-Apr-22	06-Apr-22	19-Apr-22	1	0.00					0	_	
CKRE - Deck			15-Mar-22	11-May-22	13-Apr-22	13-Jun-22	27	8.00							
	1-CKRE - K5-CKRE		15-Mar-22	11-May-22	13-Apr-22	13-Jun-22	27	4.00							
3.10-7578	OKRE - Span K1-K5 Falsework and formwork		15-Mar-22	04-Apr-22	13-Apr-22	07-May-22	24	4.00				-			
3.10-7580	OKRE - Span K1-K5 Install Bearings		06-Apr-22	12-Apr-22	13-May-22	19-May-22	27	0.00							
3.10-7582	CKRE - Span K1-K5 Web and Soffit	20	13-Apr-22	11-May-22	20-Mary-22	13-Jun-22	27	0.00							
CKRE- Span M	(S-CKRE - K4-CKRE	18	19-Apr-22	11-May-22	20-Apr-22	12-May-22	1	4.00							
3.10-7598	CKRE - Span KS-K4 Falaework and formworks	18	19-Apr-22	11-May-22	20-Apr-22	12-May-22	1	4.00						-	-
iection 12 - I	Underpass S21	62	05-04921 A	12000022	27469-21	31-06022	264	26160							
Sch_4.3 Slip R	load Underpass S21	82	05-04-21 A	12-3an-22	27-Nov-21	31-Dec-22	284	28,00							
S21 - RC Stru	icture	81	05-0d-21 A	11-Jan-22	27-Nov-21	31-Dec-22	285	8.00							
S21 - U-Troug	h Sections - South (CH000 to CH143.981)	12	28-Dec-21	11-Jan-22	16-Dec-22	31-Dec-22	285	0.00							
531 - Bay 8.	2-10 - AN-Grade Sids (CH009.376 to 000)		20-54-21	1100002	16-Dec-12	31-Cer-22	205	0.00							
4-7812	S21-B2-10 - Construct At Grade slab	12	28-Dec-21	11-Jan-22	16-Dec-22	31-Dec-22	285	0.00	2 4 - Contra - Constant a Constant	and a second					
	tions (CH143.981 to CH205.700)			30-Nov-21 A				5.00							
	-2 - Nox Section (CH159.5 to 175)			30469-214		LINDILL		3.00							
						Concerto.									
4-7736	S21-B1-2 Construct External Wells (1st pour)			04-Nov-21 A				2.00							
4-7738	S21-B1-2 Construct External Walls (final pour) & Top Slab			30-Nov-21 A	27-Nov-21	27-Nov-21		2.00							
	-4 - Box Section (CH190.5 to 205.7)										l l				
4-7762	S21-B1-4 Construct External Walls (Final pour) Top Slab	44	05-Od-21 A	19-Nov-21 A	27-Nov-21	27-Nov-21		1.00							
S21 - U-Troug	h Sections - North (CH205.700 to CH354.957)	29	12-0d-21 A	11-Jan-22	04-Dec-21	31-Dec-22	285	3.00							
\$21 - Bay B3	-1 - U-Trough Type III (CH205.7 to 223)		LE-PALIET A	Distance a	Pf (incl)	Discourses		LEO							
4-7824	S21-83-1 - Construct Side Walls (final pour)	36	12-0d-21 A	06-Dec-21 A	04-Dec-21	04-Dec-21		1.00							
521 - Bay B3	9 - At Grade Slab Part 3E (CH321,11 to 354,957) Part 3E	12	20.0-21	11-349-02	10/08027	H-mesh	285	2.00			Ē				
4-7868	S21-B3-9 - Construct At Grade slab	12	28-Dec-21	11-Jan-22	16-Dec-22	31-Dec-22	285	2.00							
S21 - Miscella	neous Works	66	25-Dit-21 A	12-lan-22	27-Nov-21	11-Dec-21	-24	20.00							
	roofing and Backfilling Works		25-0d-21 A		27-Nov-21	11-Dec-21	-24	20.00							
	ctions (CH143.961 to CH205.700)		21-01-21 A		27/10/21			1744							
4-7870				28-Dec-21	27-Nov-21	27-1400-21	34	6.00							
1.000	S21 - Wateproofing / Movement Joint / Masonry Wall (Box Section)						-24								
4-7872	S21 - Baddfiling up to GL. (Box Setton)			05-Jan-22	11-Dec-21	11-Dec-21	-18	6.00							
4-7946	S21 - Wateproofing / Movement Joint / Masonry Wall (U-Trough Si North)	ection - 36	01-Nov-21 /	28-Dec-21	04-Dec-21	04-Dec-21	-17	4.00							
4-7944	521 - Baddfiling up to GL. (U-Trough Section - North)	36	08-Nov-21 A	25-Dec-21 A	11-Dec-21	11-Dec-21		4.00							
											Dana	1	Review	Charles	ad Appen
Current Mik		al Kowley	n Pou	to - Kal	Tak Eas	t (Mont	. 32 11	Indat	e) (Rev26 - CSD)	Project ID: KTE-WP26_M32 Baseline:	25-Oct-21 20-Nov-21	Monthly Programm Submit CSD Programm	ne M30	TYY	DC
- Critical Rem	aring Wark Centre					ing Proc			(Revzo - CSD)	Layout: KTE - 3 Months Rolling Programme	25-Nov-21	Monthly Programm	ne 1/31	TYY	DC
Remaining	Wark		10	iee mor	an Roll	ing Prot	jianni	ie		Filter: TASK filters: 3 Months Rolling_1, KTE - Submission.	24-Deo21 25-Deo21	Submit CSD Prog Monthly Program		TYY TYY	DC DC
										Page 16 of 17					

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Activity ID	Actually Name	Orig Dur	Slat	Pinish	Laie Stat	Late Finish	Total Float	TRA (Dey)	December	Jenupy February	March April (May) 35 34 37
521. Fin	al Completion Works	12	29-0-21	13-30-77	29-50-21	11-00-21	Prices.	0.00	28 05 12 19	6 12 00 16 21 30 06 13 20 27	06 13 20 27 03 10 17 24 01
4-7814	S21 - Final Completion Works	12	29-Dec-21	12-Jan-22	29-Nov-21	11-Dec-21	-24	0.00			
4-7816	S21 - Completion of Structure of Underpass S21	0	L'OULLI	12-30-22	LUIDILI	11-Dec21	-24	0.00			
		1040	25 14 01 A	17465-22	21-0351	05Ap2	-00	12:00			
	- Sleeve pipes for District Cooling System (Subject to	10	28-Dec-21	06-3an-22	22-5-80-22	02-Mar-22	41	3.00			
	eve pipes for DCS (Kai Tak River West)										
1100000000	Section A (39m)		28-Dec-21	06-Jan-22	22.Feb-22	02-Mar-22	41	3.00			
10-8478	DCS(W)_A - Reinstatement (Pavement / fending / etc.)		28-Dec-21	06-Jan-22	22-Feb-22	02-Mar-22	41	3.00			
Story and the	eve pipes for DCS (Kai Tak River East)		25-0d-21 A	17-May-22	21-00-21	08-Aug-22	69	34.00			
	Portion 1 (approx 37.5m)		25-0:±21 A		21-0d-21	08-Aug-22	80	16.00			
10-8516	DCS(E) - Dewatering system installation (TBA subject to design)		25-0d-21 A			21-0d-21		2.00			
10-8518	DCS(E) - Excavation down to formation level (Part A for Pile caps) ind vrailing is strut	30	02-Nov-21 A	08-3an-22	21-0d-21	01-Nov-21	-56	3.00			
10-8520	DCS(E) - Excavation down to formation level (Part B for DCS) ind wailing 8. strut:	15	10-Jan-22	26-Jan-22	02-Nov-21	18-Nov-21	-56	3.00			
10-8522	DCS(E) - Install skewe pipes 3x1800 ID (L=37.5m)	24	27-Jan-22	02-Mar-22	19-Nov-21	16-Dec-21	-56	6.00			
10-8524	DCS(E) - Backfilling works for DCS pipes	12	03-Mar-22	16-Mar-22	12-Jan-22	25-Jan-22	-37	2.00			
10-85244	DCS(E) - Badrifiling works in DCS area (up to G.L.)	36	17-Mar-22	03-May-22	27-Jun-22	08-Aug-22	80				6
DCS-East	Portion 2 (approx 37.5m)	176	25-0d-21 A	17-May-22	29-Nov-21	08-Aug-22	69	18.00			
10-8530	DCS(E) - Dewatering system installation (TBA subject to design)	26	25-0d-21 A	01-Nov-21 A	29-Nov-21	29-Nov-21		2.00			
10-8532	DCS(E) - Excavation down to formation level ind walling is strut	36	02-Nov-21 A	15-lan-22	29-Nov-21	16-Dec-21	-23	2.00	_		
10-8534	DCS(E) - Install skewe pipes 3x1800 ID (L=37.5m)	19	03-Mar-22	24-Mar-22	17-Dec-21	11-Jan-22	-56	6.00			
10-8536	DCS(E) - Bookfilling works for DCS pipes	12	25-Mar-22	08-Apr-22	12-Jan-22	25-Jan-22	-56	2.00			
10-8508	DCS(W)_C - Final completion works	5	09-Apr-22	14-Apr-22	26-Jan-22	31-Jan-22	-56	6.00			
10-8536A	DCS(E) - Backfilling works in DCS area (up to G.L.)	28	09-Apr-22	17-May-22	07-3.4-22	08-Aug-22	69				
10-8510	DCS(W)_C - Completion of Silence pipes for DCS (Section 17)	0		14-Apr-22		31-Jan-22	-56				
Curros Curros Actual Actu	Remaining Nonk	owloo				t (Montl ing Prog			ə) (Rev26 - CSD)	Baseline: Layout: KTE - 3 Months Rolling Programme Elter TABK Elter: 3 Months Rolling 1, KTE, Submission	Data Elvision Chasted Approximit 25/06/2 Monthly Programme (KO) TYY OC 25/06/2 Monthly Programme (KO) TYY OC

Appendix C Project Organization Chart



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Appendix D Dust Event-Action Plan (EAP)

	ACTION			
EVENT	ET	IEC	ER	CONTRACTOR
ACTION LEV	EL			
1.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.	 Rectify any unacceptable practice; Amend working methods if appropriate.
2.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 LEVEL	·		1	1
1.Exceedance for one sample	 Identify source, investigate the causes of exceedance and propose remedial measures; Inform ER, Contractor and 	 Check monitoring data submitted by ET; Check Contractor's working method; 	 Confirm receipt of notification of failure in writing; Notify Contractor; 	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC

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

Note:

ET – Environmental Team

ER – Engineer's Representative

IEC – Independent Environmental Checker

Appendix E Noise Event-Action Plan (EAP)

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

Note:

ET – Environmental Team

IEC -- Independent Environmental Checker

ER – Engineer's Representative

Appendix F Environmental Mitigation Implementation Schedule (EMIS)

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
			Constru	ction 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 	Implemented
\$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 	Implemented
\$4.3.10	D3	 Proper watering at exposed spoil should be undertaken throughout the construction phase; Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet 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 	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

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
		 extended beyond the pedestrian barriers, fencing or traffic cones; The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle. Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; 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 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 						

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
54.3.10		 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; 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. Implement regular dust monitoring under EM&A programme during the construction stage. 	Monitoring of dust impact	Contractor	Selected rep. dust monitoring	Construction stage	• TM-EIA	• Implemented
			Construc	tion Noise (Airborn	e)			

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
S5.4.1	N1	 Implement the following good site practices: Only well-maintained plant should be operated on-site 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; 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. 	Control construction airborne noise	Contractor	All construction sites	Construction stage	• Annex 5, TM-EIAO	• Implemented
S5.4.1	N2	Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of hoardings shall be properly maintained throughout the construction period.	Reduce the construction noise levels at low-level zone of NSRs through partial screening	Contractor	All construction sites	Construction stage	• Annex 5, TM-EIAO	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	Sreen the noisy plant items to be used at all construction	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM-EIAO	Implemented

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		plants including air compressors, generators and handheld breakers, etc.	sites					
S5.4.1	N4	Use 'Quiet plant'	Reduce the noise levels of plant items	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM-EIAO	Implemented
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 reduce the construction airborne noise	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM-EIAO	Implemented
\$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

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\$6.9.1.1		 In accordance with the Practice Note for Professional Persons on Construction Site Drainage, Environmental Protection Department, 1994 (ProPECC PN1/94), construction phase mitigation measures shall include the following: Construction Runoff At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or 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; The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be incorporated in the permanent drainage channels to enhance deposition rates; The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/ sand traps should be 5 minutes under 	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 and rectified after observation

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		 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; Measures should be taken to minimize the ingress 						

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		 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 						

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		 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; 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 						

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		season (April to September) as far as practicable.						
\$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. Uncontaminated discharge should pass through sedimentation tanks prior to off-site discharge; 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. 	To minimize construction water quality impact from tunneling works	Contractor	All tunneling portion	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-DSS TM-EIAO 	• N/A

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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 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 	To minimize groundwater quality impact from contaminated area	Contractor	Excavation areas where contamination is found	Construction stage	 Water Pollution Control Ordinance TM-DSS TM-EIAO 	• Implemented

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		 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 wells should be installed as appropriate for recharging the contaminated groundwater back into the ground. The recharging wells should be selected at places where the groundwater quality will not be affected by the recharge operation as indicated in the Section 2.3 of TM-DSS. The baseline groundwater quality shall be determined prior to the selection of the recharge wells, and submit a working plan (including the laboratory analytical results showing the quality of groundwater at the proposed recharge location(s) as well as the pollutant levels of groundwater at the recharge well. Prior to recharge, any prohibited substances such as TPH products should be 						

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		removed as necessary by installing the petrol interceptor.						
\$6.9.1.6	W6	 <u>Accidental Spillage</u> In order to prevent accidental spillage of chemicals, the following is recommended: All the tanks, containers, storage area should be bunded and the locations should be locked as far as possible from the sensitive watercourse and stormwater drains; The Contractor should register as a chemical waste producer if chemical wastes would be generated. Storage of chemical waste arising from the construction activities should be stored with suitable labels and warnings. Disposal of chemical wastes should be conducted in compliance with the requirements as stated in the Waste Disposal (Chemical Waste) (General) Regulation. 	To minimize water quality impact from accidental spillage	Contractor	All construction site where practicable	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-EIAO TM-DSS 	Implemented
			Waste Manage	ement (Construction	Waste)			
\$7.4.1	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 	batching plants and be turned into concrete for	Contractor	All construction sites	Construction stage	• DEVB (W) No. 6/2010	• N/A

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		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.						
\$7.5.1	WM2	 Construction and Demolition Material Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; Carry out on-site sorting; Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; Adopt 'selective demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling 		Contractor	All construction sites	Construction stage	 Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETWB TCW No. 19/2005 	• Implemented

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		 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. 	disposal					
\$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 	generation and recycle the C&D materials as far as practicable so as to reduce the	Contractor	All construction sites	Construction stage	 Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETWB TCW No. 19/2005 	• Implemented

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		used by scrap steel mills. Different areas of the sites should be considered for such segregation and storage.						
\$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	РВН4	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
\$7.5.1	WM5	 Land-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; 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 sea except at the 	To control pollution due to marine sediment	Contractor	Along CKR alignment	Construction stage	• ETWB TCW No. 34/2002	• Implemented

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		 approved locations; Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action. The Contractors shall monitor all vessels transporting material to ensure that no dumping outside the approved location takes place. The Contractor shall keep and produce logs and other records to demonstrate compliance and that journeys are consistent with designated locations and copies of such records shall be submitted to the engineers; The Contractors shall comply with the conditions in the dumping licence. All bottom dumping vessels (Hopper barges) shall be fitted with tight fittings seals to their bottom openings to prevent leakage of material; The material shall be placed into the disposal pit by bottom dumping; 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 						

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		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.						
\$7.5.1	WM6	 <u>Chemical Waste</u> <u>Chemical Waste</u> <u>Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes;</u> <u>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;</u> 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 	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 and rectified after observation

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\$7.5.1	WM7	 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. 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; Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant 	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	• Waste Disposal Ordinance	• Implemented

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		collection. Participation in a local collection scheme should be considered by the Contractor.						
			Land Contamir	nation			•	
S8.9 & Appendix 8.4	LC2	 Excavation of the Contaminated Soil Prior to commencement of the excavation works at the contamination zone, the zone should be clearly marked out on site and the surface levels recorded. Excavation of contaminated material should be undertaken using dedicated earth-moving plant. The excavated contaminated soils would be stockpiled at designated area on site and covered by sheet to prevent dispersion of contamination during stockpiling. The Contractor should pay attention to the selection of suitable groundwater lowering schemes and discharge points if the groundwater table is higher than the contaminated soils during excavation. The Contractor should also obtain a valid Water Pollution Control Ordinance (WPCO) discharge licence from EPD where applicable. 	The contaminated soil will be excavated for on-site reuse	Contractor	РВН4	Prior to commencement of construction works within the contaminated area	 Practice Guide (PG) for Investigation and Remediation of Contaminated Land Guidance Notes for Contaminated Land Assessment and Remediation Guidance Manual for Use of Risk-Based 	• N/A
S8.9 & Appendix 8.4	LC3	• Following completion of the excavation to the specified depth, at least one sample from the base of the excavation and four samples evenly distributed along the boundary of the excavation shall be taken for a closure assessment testing. The acceptance criterion is shown below:					Remediation Goals (RBRGs) for Contaminated Land Management	• N/A

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		Park), no f If the analysis noncomplianc excavation sh vertically an location(s) of acceptance of conducted for excavation, sampling and all contamina	further excavation s indicates presence ce of the accept hall be carried ou od/or horizontally f the sample(s) wh criteria. Further sa or compliance testing	e of contamination (i.e. ance criteria), further ut in 0.5m increment depending on the nich has exceeded the ampling shall also be sting. The process of g should continue until emoved and should be						
Appendix 8.4	LC4	A Remediation clean-up shat endorsement construction, construction,	on Report (RR) to all be prepared and it prior to the co /development wor	demonstrate adequate d submitted to EPD for pommencement of any ks within the sites. No ks shall be carried out						• N/A

Contract No. HY/2018/02 Environmental Monitoring & Auditing

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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
S9.18	H9	Emergency response plans in case of road accident should be prepared and implemented. The driver and his assistant should be familiar with the emergency procedures including evacuation, and proper communication/ fire-fighting equipment should be provided to the driver and his assistant.	To reduce the risk during explosives transport	Contractor	Works areas at which explosives would be used	Construction stage	-	• N/A
			Land	dscape & 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

Contract No. HY/2018/02 Environmental Monitoring & Auditing

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S10.10.1 Table 10.11	LV5	 Lighting Control during Construction All lighting in the construction site shall be carefully controlled to minimize light pollution and night-time glare to nearby residencies and GIC. The Contractor shall consider other security measures, which shall minimize the visual impacts. 	Minimize visual impact	Contractor	Within Project site	Construction stage	-	Implemented
S10.10.1 Table 10.11	LV6	 <u>Erosion Control</u> The potential for soil erosion shall be reduced by minimizing the extent of vegetation disturbance on site and by providing a protective cover over newly exposed soil. 	Minimize landscape impact	Contractor	Within Project site	Construction stage	-	Implemented
\$10.10.1 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 Basis and on a Tree Basis', Greening, Landscape and Tree Management (GLTM) Section, DEVB Latest recommended horticultural practices from 	• Implemented

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							GLTM Section, DEVB	
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. 	Minimize landscape and visual impact	Contractor	Within Project site and designated off-site locations	Prior to Construction stage	 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	Minimize visual impact and also enhance landscape	Contractor	Within Project site	Construction stage	 ETWB TCW 3/2006 Latest recommended horticultural practices from Greening, Landscape and Tree Management (GLTM) Section, DEVB 	• N/A

Contract No. HY/2018/02 Environmental Monitoring & Auditing

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		 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. 					• ETWB TCW 2/2004	
\$10.10.1 Table 10.11	LV10	 <u>Screen Planting</u> Tall screen/buffer trees, shrubs and climbers should be planted, in so far as is possible, to soften and screen proposed structures such as roads and central strip, vertical edges and buildings and to enhance streetscape greening effect where appropriate. Indiscriminate use of trees for screening must be avoided and the principle of 'right tree for the right place' must be followed. This detail will be provided at the Detailed Design stage. This measure may additionally form part of the compensatory planting and will improve and create a pleasant pedestrian environment. 	Minimize visual impact and also enhance landscape.	Contractor	Within Project Site	Construction Phase	 Guidelines on Greening of Noise Barriers, issued April 2012, GLTMS, DevB ETWB TCW 2/2004 	• N/A
S10.10.1 Table 10.11	LV12	Reinstatement • All works areas, excavated areas and disturbed areas for tunnel construction and temporary road diversion or any other proposed works shall be reinstated to former conditions or better, with reasonable landscape treatment and to the satisfaction of the relevant Government	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
		departments. (Specific mitigation for disturbance to public open space is detailed separately under LV14)						
			Cultural Heritage	Impact (Constructi	ion 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
				EM&A Project				
\$13.2	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual	Control EM&A Performance	Highways Department	All construction sites	Construction stage	 EIAO Guidance Note No. 4/2010 TM-EIAO 	Implemented
S13.2-13.4	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

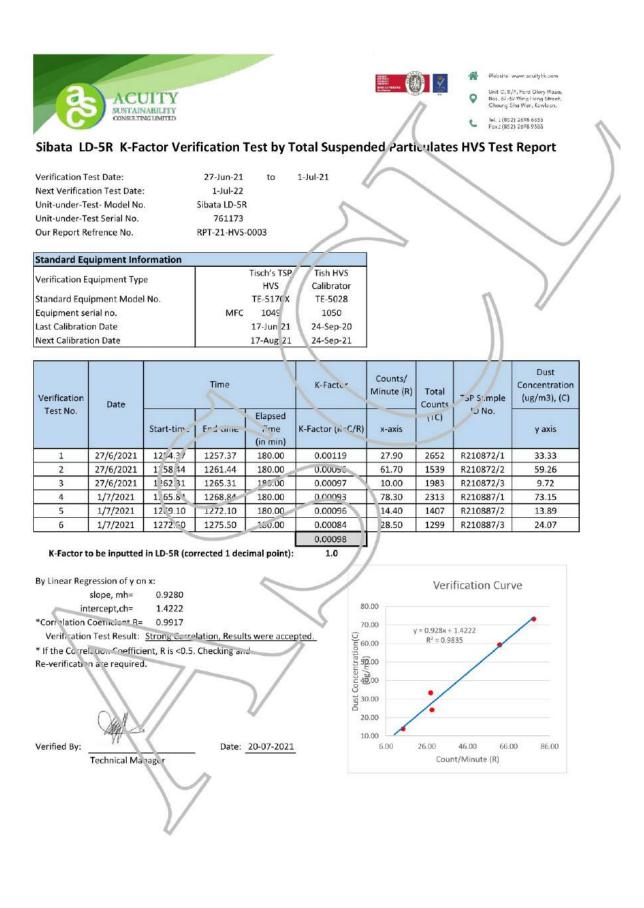
Appendix G Monitoring Schedule of the Reporting Month

-

Janu	ary 2022					
Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	31	1
2	3	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	21	22
23	24 Impact Dust monitoring (E-A1)	25	26	27	28	29 Impact Dust monitoring (E-A1)
30	31	1	2	3	4	5

_

Appendix H Calibration Certificates (Air Monitoring)



							1000 CONTRACTOR (1000)	ALIBRATIO
'IE							Aug	ust 3, 2022
			-					
nvir		ent	dl					
	Ce		alibration C				ation	
Cal. Date:	August 3, 2	021	Rootsr	neter S/N:	438320	Ta:	295	°K
Operator:	Jim Tisch					Pa:	750.57	mm Hg
Calibration		TE-5028A	Calib	rator S/N:	3702			
Canoration	woder N.	12-3028A	Callb	rator s/re.	3702	7.1.2.1]
		Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔP	۵H]
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(in H2O)	
	1	1	2	1	1.3170	4.1	1.50	1
	2	3	4	1	1.0350	6.7	2.50]
	3	5	6	1	0.9420	8.0	3.00	4
	4	7	8	1	0.8650	9.3	3.50	
	5	9	10	1	0.6540	16.2	5.00	1
			D	ata Tabula	tion]
	Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right)}$)(<u>Tstd</u>)		Qa	√∆H(Ta/Pa)	
	(m3)	(x-axis)	(y-axi		Va	(x-axis)	(y-axis)	
	0.9922	0.7534	1.223	3	0.9945	0.7552	0.7678	1
	0.9887	0.9553	1.579	3	0.9911	0.9576	0.9913	1
	0.9870	1.0478	1.730		0.9893	1.0503	1.0859	
	0.9853	1.1390	1.868		0.9876	1.1417	1.1729	
	0.9761	1.4925	2.446		0.9784	1.4960	1.5356	
	OCTO	m=	1.645		0.4	m=	1.03041	
	QSTD	b= r=	-0.003		QA	b= r=	-0.00231 0.99975	
		1-1	6.000			1-	0.00070	1
				Calculation				
			/Pstd)(Tstd/Ta)		ΔVol((Pa-Δf	P)/Pa)	
1	Qstd=	Vstd/∆Time				Va/ATime		
			For subseque	ent flow rat	te calculatio	15:		
	Qstd=	1/m (($\sqrt{\Delta H})$	Pa Pstd (Tstd Ta)-b)	Qa=	$1/m \left(\sqrt{\Delta F} \right)$	(Та/Ра))-b)	1
		Conditions]					
Tstd:	298.15	5		[RECA	IBRATION	
Pstd:		mm Hg			US ERA MARA	mende	nual recalibratio	on per 1999
All calibrate	Key ator manometer reading (in H2O)						legulations Part	
		er reading (i					Reference Meth	
		perature (°K)	101					
		essure (mm	Hg)		Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30.			C. Strengthered and the strengthered in the
ra. accuai De	a a line a la l		- APT					

Fisch Environmental, Inc. 145 South Miami Avenue

Village of Cleves, OH 45002

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

InnoTech Instrumentation Co. Ltd.

創新科儀有限公司

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	Emax	Site ID:		Date:	06-Jan-2022
Serial No:	1049	Model:	TE-5170X	Operator:	Kate Wong

Ambient Condition

Corrected Pressure (mm Hg):	764.5	Temperature (deg K):	293.5
-----------------------------	-------	----------------------	-------

Calibration Orifice

Model:	TE-5028A	Slope:	1.64554
Serial No.:	3702	Intercept:	-0.00368
Calibration Due Date:	3-Aug-22	Corr. Coeff:	0.99975

Calibration Data

Plate or	In,H2O	Qa, X-Axis	I, CFM	IC, Y-Axis	
Test #	(in)	(m3/min)	(chart)	(corrected)	
1	1.24	0.687	27.1	27.41	
2	1.52	0.759	29.4	29.67	
3	1.84	0.835	31.5	31.88	
4	2.28	0.929	34.0	34.41	
5	2.73	1.017	36.4	36.75	

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

m=	28.1819	b=	8.2001	Corr. Coeff=	0.9994
Sampler set point(SSP)		42	CFM		
Sampler set point(SSP) Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b] IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)] Qstd = standard flow rate IC = corrected chart response I = actual chart response m = calibrator Qstd slope b = calibrator Qstd slope b = calibrator Qstd intercept Ta = actual temperature during calibration (deg K) Pa = actual pressure during calibration (mm Hg) Tstd = 298 deg K			Crist Calculations m = sampler slope b = sampler intercept I = chart response Tav = average temperature Pav = average pressure		
	s Iculation of sampler flow: 298/Tav)(Pav/760)] 美術記名		Date:	6-Jai	1-22
encented by					1.30.

InnoTech Instrumentation Co. Ltd.

創新科儀有限公司

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	Emax	Site ID:		Date:	18-Jan-2022
Serial No:	1049	Model:	TE-5170X	Operator:	Kate Wong

Ambient Condition

Corrected Pressure (mm Hg):	765.7	Temperature (deg K):	290.5

Calibration Orifice

Model:	TE-5028A	Slope:	1.64554
Serial No.:	3702	Intercept:	-0.00368
Calibration Due Date:	3-Aug-22	Corr. Coeff:	0.99975

Calibration Data

Plate or	In,H2O	Qa, X-Axis	I, CFM	IC, Y-Axis
Test #	(in)	(m3/min)	(chart)	(corrected)
1	1.27	0.698	24.8	25.18
2	1.47	0.752	26.6	27.05
3	1.72	0.813	28.6	29.09
4	1.90	0.853	29.8	30.29
5	2.18	0.914	31.6	32.16

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

m=	32.3405	b=	2.6823	Corr. Coeff=	0.9995
Sampl	er set point(SSP)	41	CFM		
Qstd = 1/m[Sqrt(H IC = I[Sqrt(Pa/Psto Qstd = standard flo IC = corrected cha I = actual chart res m = calibrator Qst b = calibrator Qsta Ta = actual temper	20(Pa/Pstd)(Tstd/Ta))-b] l)(Tstd/Ta)] w rate rt response ponse d slope		Calculations m = sampler slope b = sampler intercept I = chart response Tav = average temperature Pav = average pressure		
Tstd = 298 deg K Pstd = 760 mm Hg For subsequent cal (1.21*m+b)/[Sqrt(2 Checked by:	culation of sampler flow:		Date:	18-Ja	n-22

Appendix I The Certification of Laboratory with HOKLAS Accredited Analytical Tests



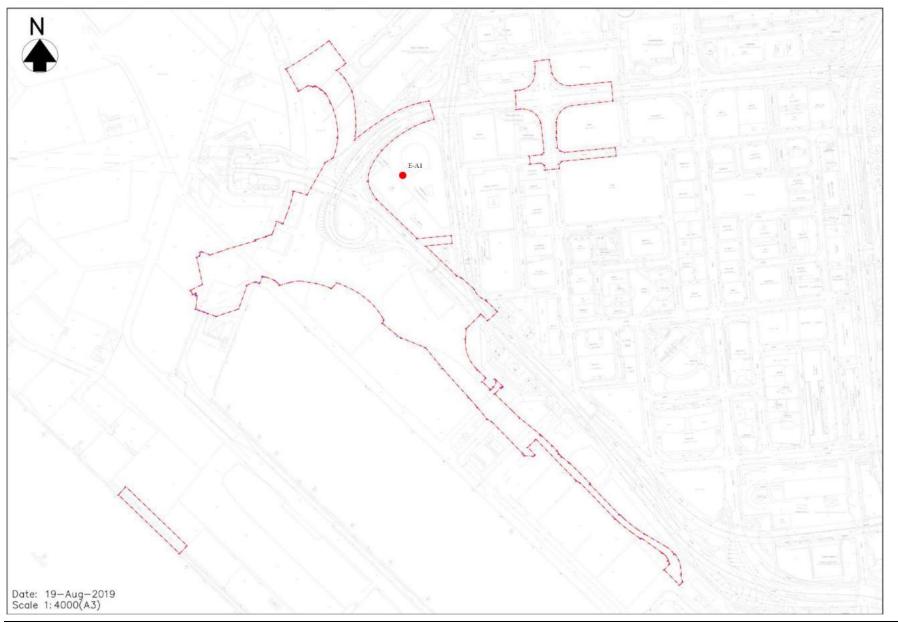
Date of First Registration: 16 July 2014 首次註冊日期:二零一四年七月十六日

This certificate is issued subject to the terms and conditions laid down by HKAS 本證書說回書灌證可處訂立的框款及條件程出

L001875

註冊號碼:

Appendix J Location Plan of Air Quality Monitoring Station



Acuity Sustainability Consulting Ltd.

Appendix K Monitoring Data (Air Monitoring)

Location:	Hong Kong International Trade and Exhibition Centre (E-A1)
Monitoring date:	6, 12, 18, 24 and 29 January 2022
Parameter:	TSP 1-hour
Other Factors:	Nearby traffic

	1-hour TSP (µg/m ³)									
Date	Weather	Start Time	1 st Hour (μg/m ³)	2 nd Hour (μg/m ³)	3 rd Hour (μg/m ³)					
06/01/2022	Sunny	8:55	66	68	71					
12/01/2022	Fine	9:08	62	66	69					
18/01/2022	Fine	9:05	67	74	77					
24/01/2022	Cloudy	8:54	59	64	68					
29/01/2022	Cloudy	9:01	54	60	65					

Contract No. HY/2018/02 Environmental Monitoring & Auditing

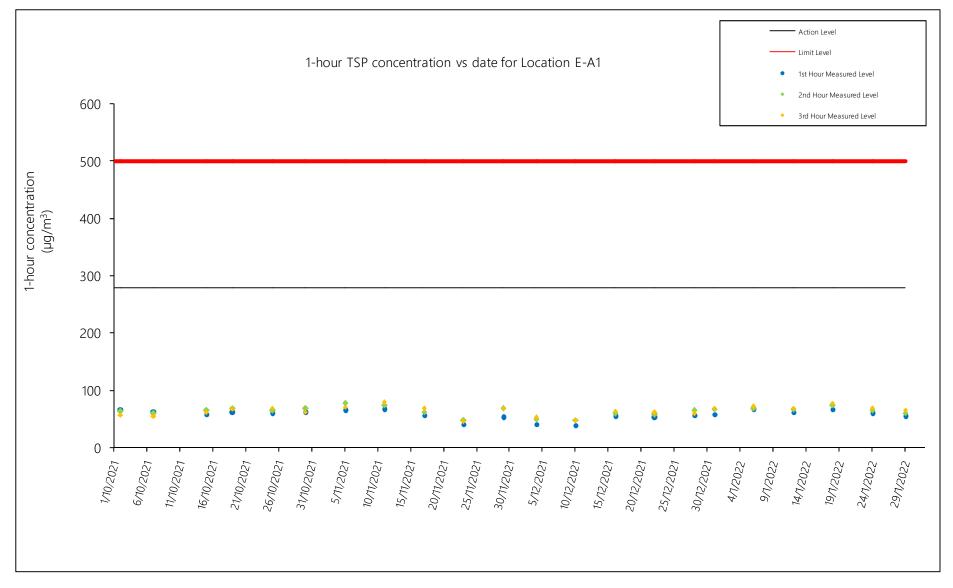


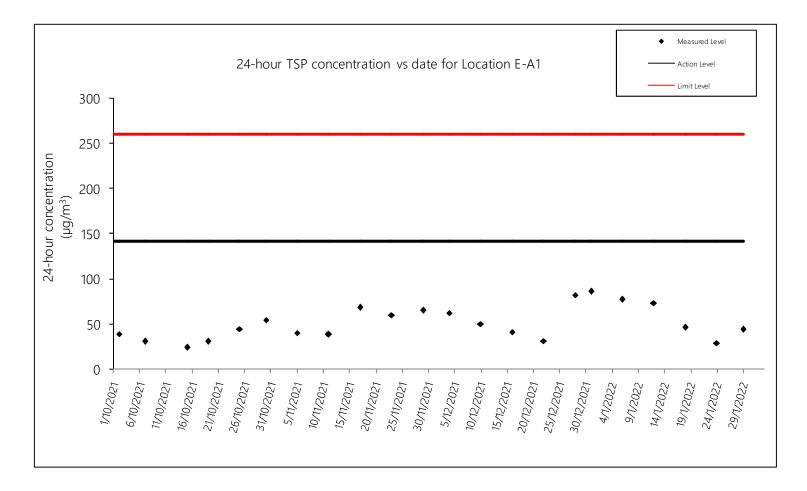
Figure 1: Graphical Illustration of Measured 1-hour TSP (µg/m³) Levels at E-A1

Location:	Hong Kong International Trade and Exhibition Centre (E-A1)
Monitoring date:	6, 12, 18, 24 and 29 January 2022
Parameter:	TSP 24-hour
Other Factors:	Nearby traffic

											Calibration: ion due date:			Slope = Intercept =	28.1819 8.2001	
											Calibration:			Slope =		
r	1							Lesser	Avg	Calıbratı	ion due date: Standard	1-Feb-22		Intercept =	2.6823	
Start Date	Weather		Elapse Time		С	hart Readin	g	Avg Air Temp	Atmospheric Pressure		Flow Rate	Air Volume	Filter Weight	(g) Particulate weight		Conc.
	Condition	Initial	Final	Actual (min)	Min	Max	Avg	(°C)		(m ³ /min)	(m ³)	Initial	Final	(g)	(µg/m ³)	
6/1/2022	Sunny	3262.68	3286.68	1440.00	40	41	40.5	20.3	1019.2	1.17	1678	2.7579	2.8864	0.1285	77	
12/1/2022	Fine	3286.68	3310.68	1440.00	39	40	39.5	16.1	1020.9	1.14	1644	2.7792	2.8988	0.1196	73	
18/1/2022	Fine	3310.68	3334.68	1440.00	38	39	38.5	17.3	1020.9	1.10	1588	2.7739	2.8472	0.0733	46	
24/1/2022	Cloudy	3334.68	3358.68	1440.00	38	41	39.5	19.7	1014.3	1.1	1656	2.7843	2.8323	0.0480	29	
29/1/2022	Cloudy	3358.68	3382.68	1440.00	39	41	40.0	18.1	1014.4	1.2	1683	2.7668	2.8401	0.0733	44	

min max 29 77

Figure 2: Graphical Illustration of Measured 24-hour TSP (μ g/m³) Levels at E-A1



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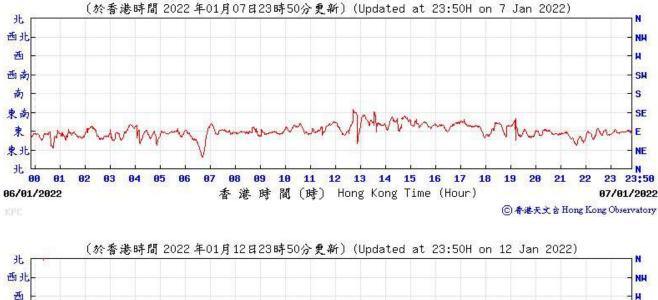
兆

00 01 02 03 04 05 06 07 08 09 10 11

11/01/2022



WIND DIRECTION DATA FOR 6,7 12,13, 18,19, 24,25,29 and 30 January 2022



12 13 14

香港時間(時) Hong Kong Time (Hour)

15

16 17 18

19 20 21 22

SH

S SE

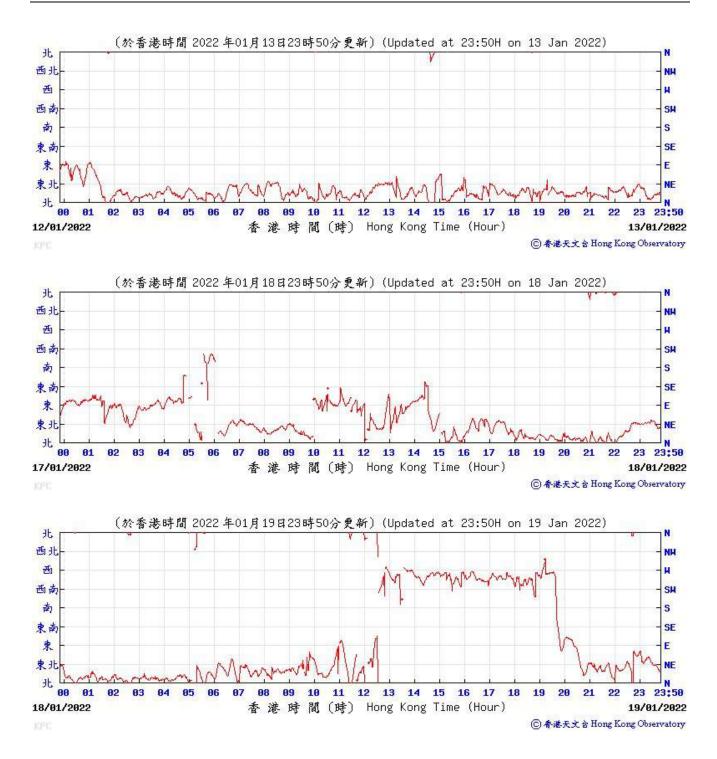
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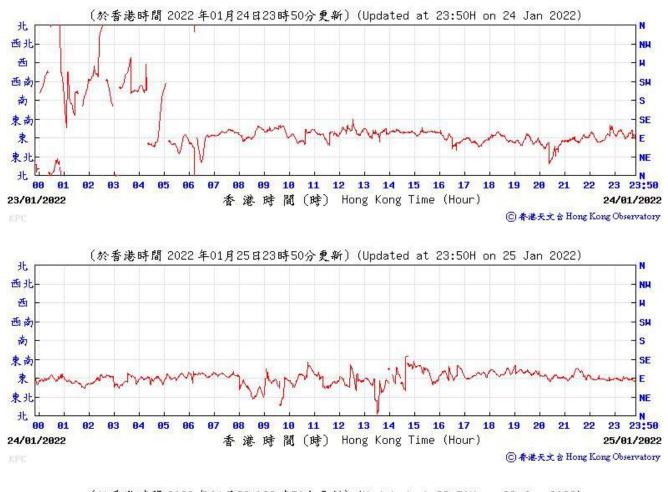
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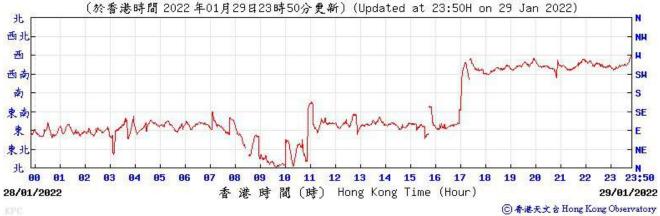
23 23:50

12/01/2022

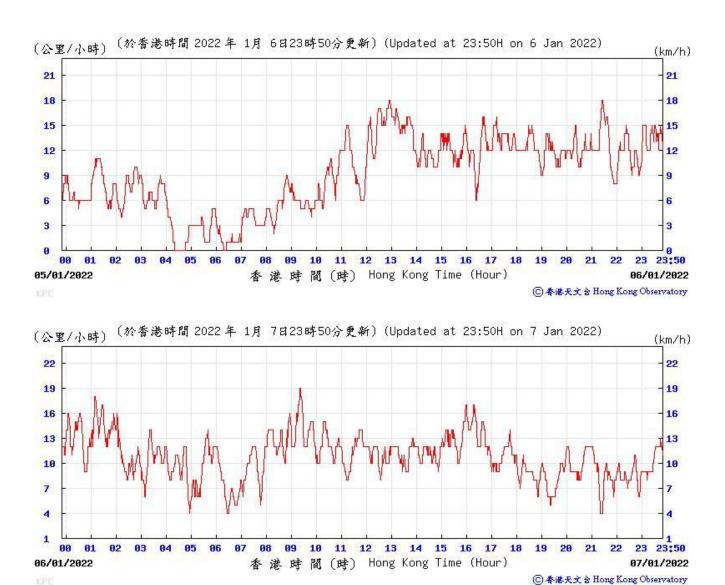
⑥春港天文 含 Hong Kong Observatory







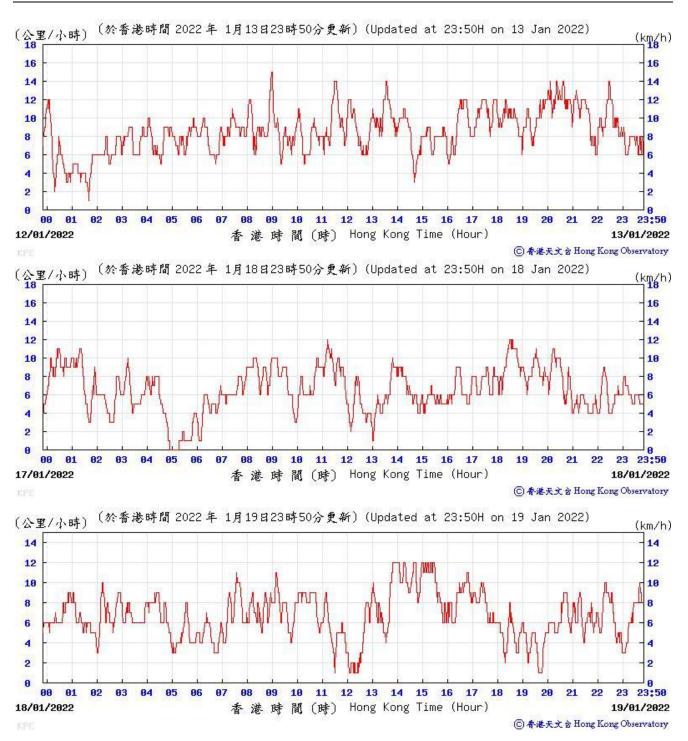




WIND SPEED DATA FOR FOR 6,7 12,13, 18,19, 24,25,29 and 30 January 2022

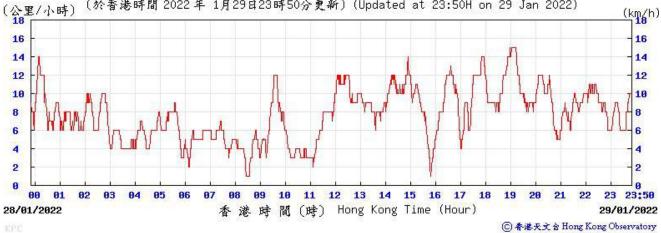


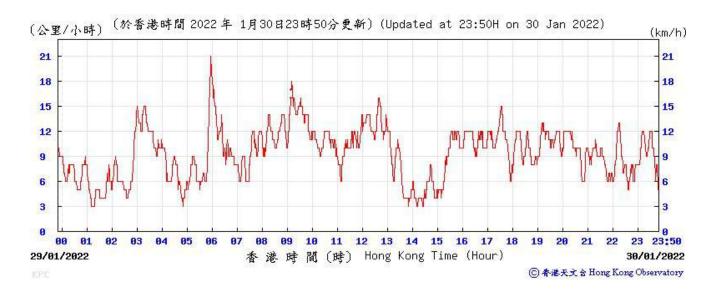
Acuity Sustainability Consulting Ltd.











Appendix L Waste Flow Table

Monthly Summary Waste Flow Table

Name of Department: Highways Department

Contract No. / Works Order No.: <u>HY/2018/02</u>

Monthly Summary Waste Flow Table for January 2022

[to be submitted not later than the 15th day of each month following reporting month] (All quantities shall be rounded off to 2 decimal places.)

		Actual Quantities of Inert Construction Waste Generated Monthly						
Month	(a)=(b)+(c)+(d)+(e)+(f)+(g)+(h)+(i)+(j)+(k) Total Quantity Generated	(b) Hard Rock and Large Broken Concrete	(c) Reused in the Contract	(d) Reused in other Projects	(e) Disposed of as Public Fill	(f) Imported Fill		
	(in 'tonnes)	(in 'tonnes)	(in 'tonnes)	(in 'tonnes)	(in 'tonnes)	(in 'tonnes)		
Jan-22	1,687.11	0	0	0	1,687.11	0		
Feb-22	-	-	-	-	-	-		
Mar-22	-	-	-	-	-	-		
Apr-22	-	-	-	-	-	-		
May-22	-	-	-	-	-	-		
Jun-22	-	-	-	-	-	-		
Jul-22	-	-	-	-	-	-		
Aug-22	-	-	-	-	-	-		
Sep-22	-	-	-	-	-	-		
Oct-22	-	-	-	-	-	-		
Nov-22	-	-	-	-	-	-		
Dec-22	-	-	-	-	-	-		
Total	1,687.11	0	0	0	1,687.11	0		
2019	7,646.10	340.00	140.00	0.00	6,643.48	0.00		
2020	142,655.94	0.00	140.00	34,998.72	105,790.14	1,109.00		
2021	100,327.04	0.00	100.00	40,313.27	57,782.06	0.00		
Accumulated Total	252,316.19	340.00	380.00	75,311.99	171,902.79	1,109.00		

	Actual Quantities of <u>Non-inert</u> Construction Waste Generated Monthly											
Month	(g) Metals		(h) Paper/ cardboard packaging			(i) Plastics		(j) al Waste	(k) Others, e.g. General Refuse disposed at Landfill			
	(in '(000kg)	(in '0	00kg)	(in '00	00kg)	(in '0	00kg)	(in 'tonnes)			
	generated	recycled	generated	recycled	generated	recycled	generated	recycled	generated			
Jan-22	0	0	0.15	0.15	0	0	0	0	88.98			
Feb-22	-	-	-	-	-	-	-	-	-			
Mar-22	-	-	-	-	-	-	-	-	-			
Apr-22	-	-	-	-	-	-	-	-	-			
May-22	-	-	-	-	-	-	-	-	-			
Jun-22	-	-	-	-	-	-	-	-	-			
Jul-22	-	-	-	-	-	-	-	-	-			
Aug-22	-	-	-	-	-	-	-	-	-			
Sep-22	-	-	-	-	-	-	-	-	-			
Oct-22	-	-	-	-	-	-	-	-	-			
Nov-22	-	-	-	-	-	-	-	-	-			
Dec-22	-	-	-	-	-	-	-	-	-			
Total	0	0	0.15	0.15	0	0	0	0	88.98			
2019	22.57	22.57	0.05	0.05	0.00	0.00	0.00	0.00	500.00			
2020	207.47	207.47	1.28	1.28	0.00	0.00	0.00	0.00	409.33			
2021	1,028.67	1,028.67	0.53	0.53	0.00	0.00	0.00	0.00	1,102.52			
Accumulated Total	1,258.71	1,258.71	2.01	2.01	-	-	-	-	2,100.83			

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 David	Environmental Complaint Statistics			
Reporting Period	Frequency	Cumulative	Complaint Nature	
1 January 2022– 31 January 2022	0	2	N/A	

Statistical Summary of Environmental Non-compliance

Deneuting Denied	Environmental Non-compliance Statistics			
Reporting Period	Frequency	Cumulative	Details	
1 January 2022– 31 January 2022	0	0	N/A	

Statistical Summary of Environmental Summons

Domontin a Domio d	Environmental Summons Statistics			
Reporting Period	Frequency	Cumulative	Details	
1 January 2022– 31 January 2022	0	0	N/A	

Statistical Summary of Environmental Prosecution

Departing David	Environmental Prosecution Statistics			
Reporting Period	Frequency	Cumulative	Details	
1 January 2022– 31 January 2022	0	0	N/A	

Appendix N Monitoring Schedule of the Coming Month

February 2022

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

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. 16 (January 2022)

Version 1 Date of Report: 11 February 2022

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

Room 1710, Technology Park, 18 On Lai Street, Shatin, NT, Hong Kong Tel: (852) 2151 2083 Fax: (852) 3107 1388 Email: info@cinotech.com.hk





Environmental Permit No. EP-457/2013/D

Central Kowloon Route

Independent Environmental Checker Verification

Works Contract: Buildings, Electrical and Mechanical Works (HY/2019/1

Reference Document/Plan

Document/Plan to be Certified/ Verified:	Monthly EM&A Report No.16
Date of Report:	11 February 2022 (Version 1)
Date received by IEC:	11 February 2022

Reference EP Condition

Environmental Permit Condition:

Submission of Monthly EM&A Report of the Project

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

3.4

IEC Verification

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

Mandy 20.

Ms Mandy To Independent Environmental Checker Date:

11 February 2022

Our ref: 0436942_IEC Verification Cert_BEM_Monthly EM&A Rpt No.16_20220211.docx

TABLE OF CONTENTS

		Page
EX	XECUTIVE SUMMARY	1
	roduction	
	vironmental Monitoring Works	
	mplaint Handling, Prosecution and Public Engagement	
	porting Changes ture Key Issues	
1	INTRODUCTION	
- Ba	ckground	
	rpose of the Report	
	bject Organizations	
Co	nstruction Activities undertaken during the Reporting Month	4
	mmary of EM&A Requirements	
Sta	atues of Environmental Licensing and Permitting	
2	AIR QUALITY	6
	onitoring Requirements	
Ob	oservations	6
3	NOISE	6
Mo	onitoring Requirements	6
Ob	oservations	6
4	WASTE MANAGEMENT	7
Mo	onitoring Requirements	7
Re	sults and Observations	7
5	LANDSCAPE AND VISUAL	8
Mo	onitoring Requirements	
Re	sults and Observations	
6	ENVIRONMENTAL AUDIT	9
Sit	e Audits	9
Im	plementation Status of Environmental Mitigation Measures	9
	plementation Status of Event and Action Plans	
	mmary of Complaint, Warning, Notification of any Summons and Successful Prosecutio	
Sta	atus of Required Submission under Environmental Permit	
7	FUTURE KEY ISSUES	11
8	CONCLUSIONS AND RECOMMENDATIONS	12
Co	nclusions	

LIST OF TABLES

Table I	Summary of Complaint/Summons/Prosecution in the Reporting Month
Table 1.1	Key Project Contacts
Table 1.2	Summary of Environmental Licensing and Permit Status
Table 4.1	Quantities of Waste Generated from the Project
Table 6.1	Observations and Recommendations of Site Inspections
Table 6.2	Status of Required Submission under Environmental Permit

LIST OF FIGURES

- Figure 1.1 Site Layout Plan
- Figure 1.2 Project Organisation for Environmental Monitoring and Audit

LIST OF APPENDICES

- Appendix A Construction Programme
- Appendix B Summary of Waste Generation and Disposal Records
- Appendix C Environmental Mitigation Implementation Schedule (EMIS)
- Appendix D Summaries of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

EXECUTIVE SUMMARY

Introduction

- This is the 16th 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 2022 – 31st January 2022.
- 2. The major site activities undertaken in Kai Tak East Area in the reporting month included:
 - Piling works (pipe piles and sheet piles)

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 4, 11, 18, 28 & 31 January 2022, whereas joint site inspection with the representative of IEC was conducted on 18 January 2022. 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 2022) 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	E	vent Details	Follow up/ Domodial Actions	Status/		
Event	Number	Brief Description	Follow-up/ Remedial Actions	Remarks		
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:
 - Piling works (pipe piles and sheet piles).

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 16th 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 2022 – 31st January 2022. 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

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 3313
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:
 - Piling works (pipe piles and sheet piles).

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 I	Status	
Fermit / License No.	From	То	Status
Environmental Permit (EP)			
EP-457/2013/D	15 Jun 2021	N/A	Valid
Notification of Construction Wor	ks under Air Polluti	on Control Ordinar	nce (APCO)
457346	18 Jun 2020	End of Project	Valid
Billing Account for Construction	Waste Disposal		
7037679	26 Jun 2020	Valid	
Registration of Chemical Waste F	Producer – Kai Tak		
5211-286-G2347-54	13 Jul 2020	N/A	Valid
Wastewater Discharge Licence - I	Kai Tak		
WT00037178-2020	18 Dec 2020	31 Dec 2025	Valid
Construction Noise Permit - Kai	Fak Site (General W	orks [grouting, pili	ng])
GW-RE0944-21	24 Sep 2021	23 Mar 2022	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 are 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 are 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**.

	Quantity													
	Inert C&D	Materials	Non-inert C&D Materials											
Reporting Period	Total QuantityDisposed as Public Fill (in '000m³)		Others, e.g. general refuse (in '000m ³)	Metals (in '000kg)	Paper/cardboard Packaging (in '000kg)	Plastics (in '000kg)	Chemical waste (in '000kg)							
January 2022			0.017	0	0	0	0							

 Table 4.1
 Quantities of Waste Generated from the Project

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 are 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 4, 18 & 31 January 2022. 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 4, 11, 18, 28 & 31 January 2022 in the reporting month. Joint site inspection with the representative of IEC was conducted on 18 January 2022. 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	N/A	No environmental deficiency was identified in the reporting period.	N/A
Air Quality	4 Jan 2022	Every stock of more than 20 bags of cement should be covered at Kai Tak Ventilation Building Site.	Every stock of more than 20 bags of cement had been covered at Kai Tak Ventilation Building Site.
Noise	N/A	No environmental deficiency was identified in the reporting period.	N/A
Waste / Chemical Management	N/A	No environmental deficiency was identified in the reporting period.	N/A
Land Contamination	N/A	No environmental deficiency was identified in the reporting period.	N/A
Landscape and Visual	N/A	No environmental deficiency was identified in the reporting period.	N/A
Permits /Licences	N/A	No environmental deficiency was identified in the reporting period.	N/A

 Table 6.1
 Observations and Recommendations of Site Inspections

Implementation Status of Event and Action Plans

6.5 The Event and Action Plans for air quality 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 complaints, 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 2021)	14 January 2022

7 FUTURE KEY ISSUES

- 7.1 Major site activities undertaken for the coming two months include:
 - Piling works (pipe piles and sheet piles).
- 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 16th Monthly EM&A Report which presents the EM&A works undertaken in Kai Tak East Area during the reporting month from 1st January 2022 – 31st January 2022 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.

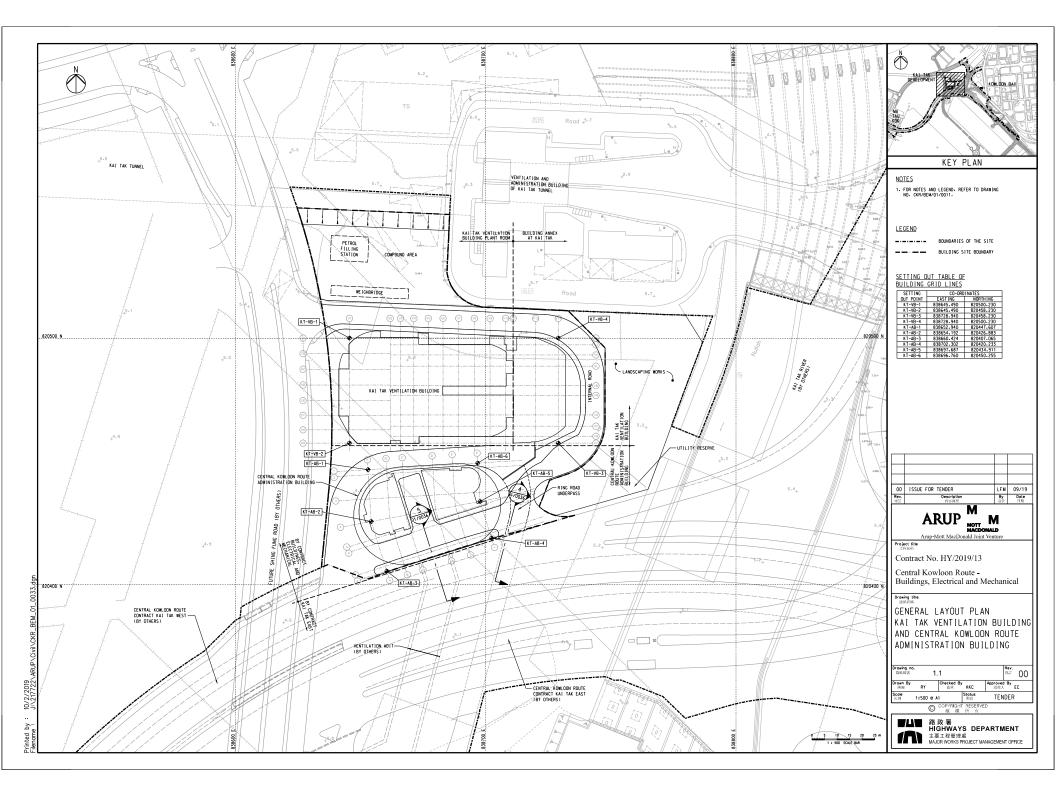
Site Audit

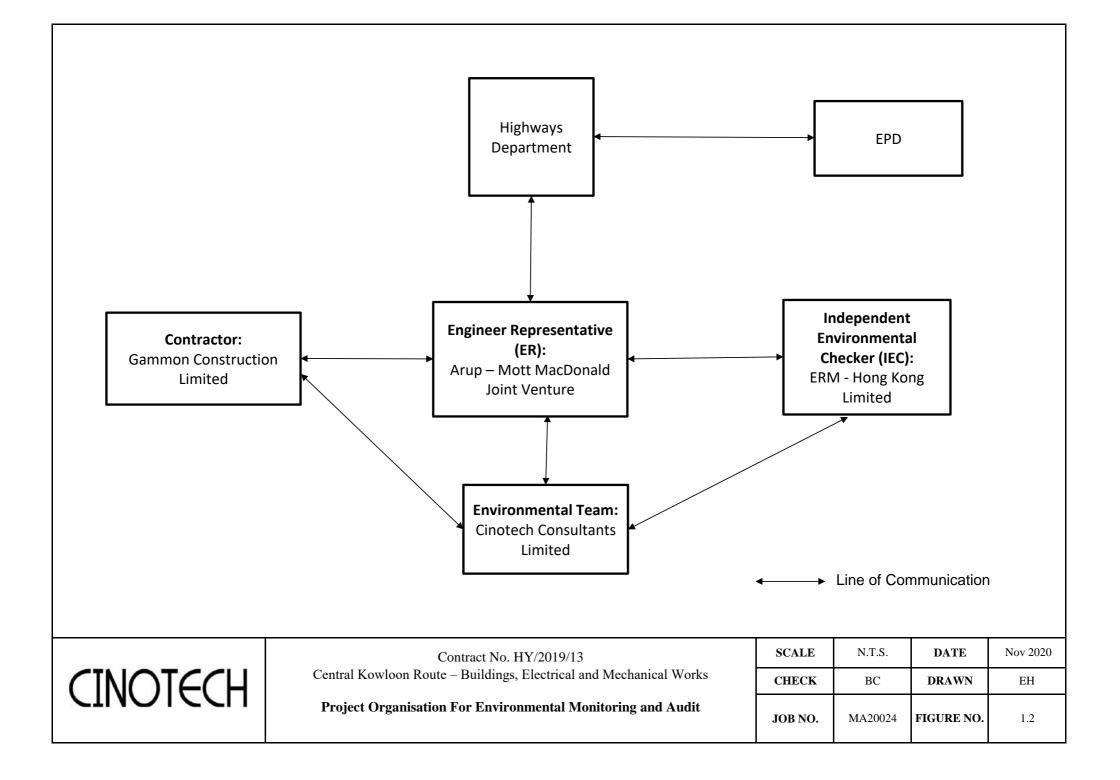
8.4 5 ET joint weekly environmental site inspections were conducted in the reporting month. Joint weekly site inspections with the representative of ET, Engineer Representative and the Contractor were conducted on 4, 11, 18, 28 & 31 January 2022, whereas joint site inspection with the representative of IEC was conducted on 18 January 2022. All environmental deficiencies observed during site inspections were rectified by the Contractor.

Complaint, Notification of Summons and Successful Prosecution

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

FIGURES



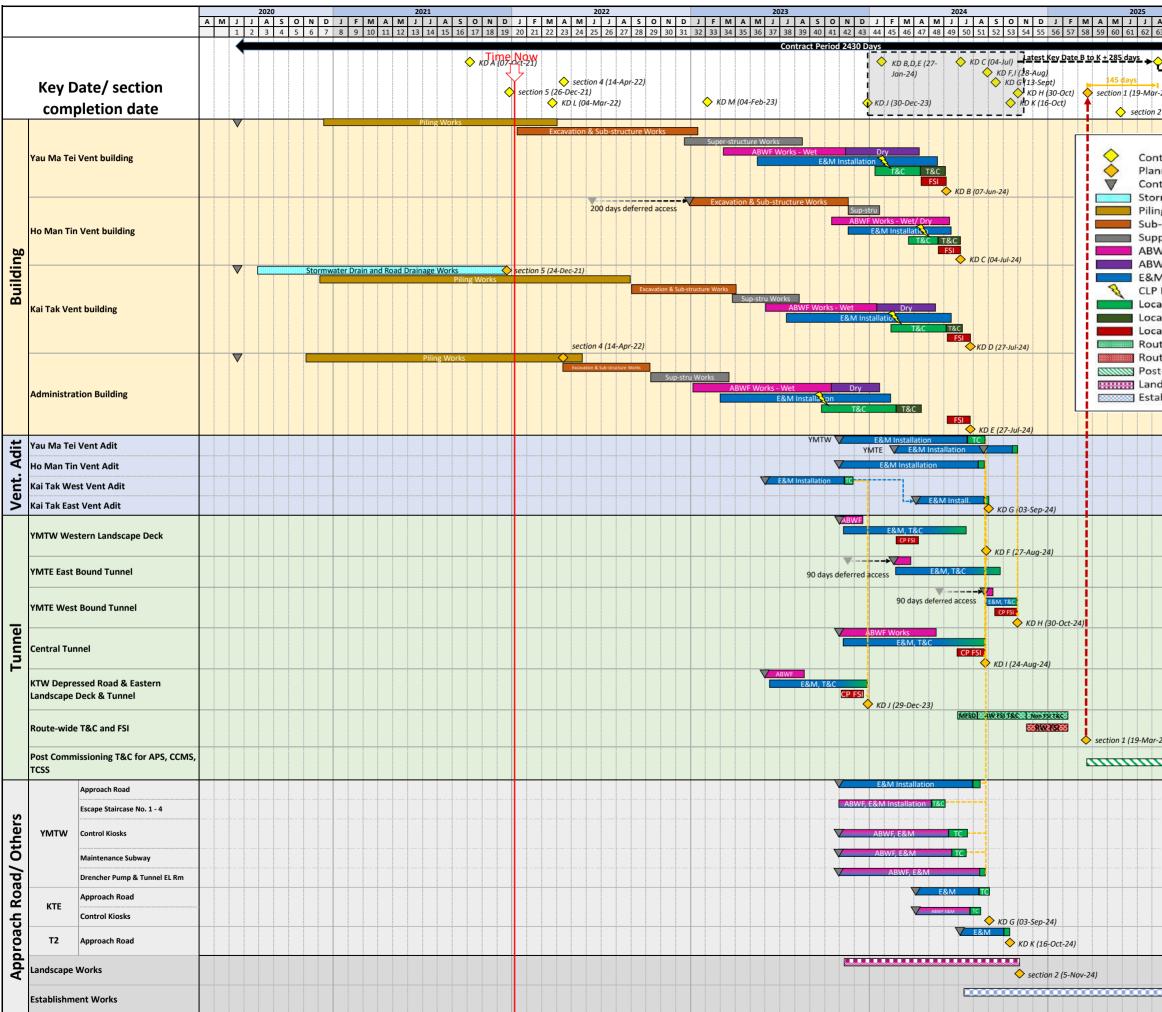


APPENDIX A CONSTRUCTION PROGRAMME



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

Summary Programme





	2026								2027											
A 53		0 65	N 66	D 67	J 68	F 69	M 70	A 71	M 72	J 73	ј 74	A 75	S 76	0 77	N 78	D 79	J 80	F 81	M 82	A 83
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APPENDIX B SUMMARY OF WASTE GENERATION AND DISPOSAL RECORDS

Monthly Summary Waste Flow Table

Name of Department: HyD

Contract No.: HY/2019/13

Central Kowloon Route - Buildings, Electrical and Mechanical Works

<u>Kai Tak Site Area</u>

				wontering but	illinaly was		202					
		Actual Quanti	tes of Inert C&D	Materials Genera	ited Monthly			Actual	Quantites of C&	D Waste Generat	ted Monthly	
	Total Quantity	Hard Rock and	Reused in the	Reused in	Disposed as	Imported Fill	Metals	Paper /	Plastics	Chemical	Marine	Others, e.g.
	Generated	Large Broken	Contract	other Projects	Public Fill	(see Note 5)		cardboard	(see Note 3)	Waste	Sediment	general refuse
		Concrete	(see Note 5)	(see Note 5)	(see Note 5)			packaging		(see Note 5)	(see Note 7)	(see Note 5)
		(see Note 5)										
Month	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m3)	(in '000m3)
Jan	1.451	0	0	0	1.451	0	0	0	0	0	0	0.017
Feb												
Mar												
Apr												
May												
Jun												
Sub-Total	1.451	0	0	0	1.451	0	0	0	0	0	0	0.017
Jul												
Aug												
Sep												
Oct												
Nov												
Dec												
Total (2022)	1.451	0	0	0	1.451	0	0	0	0	0	0	0.017
Total (2020-2021)	19.208	0	0	0	19.208	0	0	0	0	1.08	0	0.269
Total (whole)	20.660	0	0	0	20.660	0	0	0	0	1.08	0	0.286

Monthly Summary Waste Flow Table for 2022 (year)

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" volur	me, with Bulk Factor applied as pe	r Note (5)	

(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	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
	n Dust Impact							-
S4.3.10	D1		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	^
S4.3.10	D2		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	٨
S4.3.10	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. The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle. Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores.	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	^ * ^ ^ ^ ^ ^ ^ ^ ^ ^

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n 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.						٨
		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.						۸
		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.						۸
		Every stock of more than 20 bags of cement or dry-pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides						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	Implementatio n 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.	1					N/A
S4.3.10	D6	Implement regular dust monitoring under EM&A programme during the construction stage.	Monitoring of dust impact	Contractor	Selected rep. dust monitoring station	Construction stage	- TM-EIA	٨
Construction	n Noise (Airbor	ne)			-			
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	٨
		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.						۸
		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
S5.4.1	N2	Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of hoardings shall be properly maintained throughout the construction period.	Reduce the construction noise levels at low-level zone of NSRs through partial screening	Contractor	All construction sites	Construction stage	- Annex 5, TM-EIAO	۸

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
S5.4.1	N3	Install movable noise barriers (typical design is wooden framed barrier with a small-cantilevered on a skid footing with 25mm thick internal sound absorptive lining), acoustic mat or full enclosure, screen the noisy plants including air compressors, generators and handheld breakers, etc.	Sreen the noisy plant items to be used at all construction sites	Contractor	All construction sites where practicable	Construction stage	- Annex 5, TM-EIAO	N/A
S5.4.1	N4	Use 'Quiet plants'	Reduce the noise levels of plant items	Contractor	All construction sites where practicable	Construction stage	- Annex 5, TM-EIAO	٨
S5.4.1	N5	Loading/ unloading activities should be carried out inside the full enclosure of mucking out points.	Reduce the noise levels of loading/ unloading activities	Contractor	Mucking out locations	Construction stage	- Annex 5, TM-EIAO	۸
S5.4.1	N6	Sequencing operation of construction plants where practicable.	Operate sequentially within the same work site to reduce the construction airborne noise	Contractor	All construction sites where practicable	Construction stage	- Annex 5, TM-EIAO	Λ
S5.4.1	N7	Implement a noise monitoring programme under EM&A programme.	Monitor the construction noise levels at the selected representative locations	Contractor	Selected rep. noise monitoring station	Construction stage	- TM-EIAO	N/A
Water Quali	ty (Constructio	on Phase)	-			-		
S6.9.1.1	W1	<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		All construction sites where practicable	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-EIAO TM-DSS 	Λ

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n 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.						٨
		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.						Λ
		All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. Exposed slope surfaces should be covered by tarpaulin or other means.						N/A
		The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows, and all traffic areas and access roads protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during prolonged periods of inclement weather and the reduction of surface sheet flows.						N/A
		All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas.						^
		Measures should be taken to minimize the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.						^

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
		Open stockpiles of construction materials (for example, aggregates, sand and fill material) of more than 50m3 should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.						٨
		Manholes should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers.						^
		Precautions be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes.						٨
		All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and site wheel washing facilities should be provided at every construction site exit where practicable. Wash-water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel wash bay to the public road should be paved with sufficient backfall toward the wheel wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.						^
		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.						۸
		Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts.						^

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n 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.						٨
		Adopt best management practices. All earth works should be conducted sequentially to limit the amount of						۸
		construction runoff generated from exposed areas during the wet season (April to September) as far as practicable.						
\$6.9.1.2	W2	<u>Tunneling Works and Underground Works</u> Cut-&-cover tunneling work should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable.	To minimize construction water quality impact from tunneling works	Contractor	All tunneling portion	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-EIAO TM-DSS 	N/A
		Uncontaminated discharge should pass through sedimentation tanks prior to off- site discharge.					111 255	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	<u>Sewage Effluent</u> Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	To minimize water quality from sewage effluent	Contractor	All construction sites where practicable	Construction stage	- Water Pollution Control Ordinance - TM-DSS	Λ

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n 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 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 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 wells should be installed as appropriate for recharging the contaminated groundwater back into the ground. The recharging wells should be selected at places where the groundwater quality will not be affected by the recharge operation as indicated in the Section 2.3 of TM-DSS. The baseline groundwater quality shall be determined prior to the selection of the recharge wells, and submit a working plan (including the laboratory analytical results showing the quality of groundwater to be recharged yeall not be higher than pollutant levels of groundwater to be recharged shall not be higher than pollutant levels of groundwater to the recharge well. Prior to recharge, an	To minimize groundwater quality impact from contaminated area	Contractor	Excavation areas where contamination is found	Construction stage	- Water Pollution Control Ordinance - TM-EIAO - TM-DSS	л Л

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
S6.9.1.6	W6	Accidental Spillage All the tanks, containers, storage area should be bunded and the locations should be locked as far as possible from the sensitive watercourse and stormwater drains. The Contractor should register as a chemical waste producer if chemical wastes	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 	Λ
		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.						۸
Waste Mana	gement (Const	ruction Waste)		•				
\$7.4.1		<u>On-site sorting of C&D material</u> Geological assessment should be carried out by competent persons on site during excavation to identify materials which are not suitable to use as aggregate in structural concrete (e.g. volcanic rock, Aplite dyke rock, etc.). Volcanic rock and Aplite dyke rock should be separated at the source sites as far as practicable and stored at designated stockpile area preventing them from delivering to crushing facilities. The crushing plant operator should also be reminded to set up measures to prevent unsuitable rock from ending up at concrete batching plants and be turned into concrete for structural use. Details regarding control measures at source site and crushing facilities should be submitted by the Contractor for the Engineer to review and agree. In addition, site records should also be kept for the types of rock materials excavated and the traceability of delivery will be ensured with the implementation of Trip Ticket System and enforced by site supervisory staff as stipulated under DEVB TC(W) No. 6/2010 for tracking of the correct delivery to the rock crushing facilities for processing into aggregates. Alternative disposal option for the reuse of volcanic rock and Aplite Dyke rock, etc. should be explored.	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	Α

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
S7.5.1	WM2	Construction and Demolition Material Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement. Carry out on-site sorting. Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate Adopt 'selective demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible. Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified. Implement an enhanced Waste Management Plan similar to ETWBTC (Works) No. 19/2005 – "Environmental Management on Construction Sites" to encourage on-site sorting of C&D materials and to minimize their generation	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 	Λ Λ Λ Ν/Α Λ
S7.5.1		during the course of construction. <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 	A N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
S7.5.1		Excavated Contaminated Soils Details of the mitigation measures on handling of the contaminated soil shall be referred to Section on Land Contamination below.	The contaminated soil will be excavated for on- site reuse	Contractor	PBH4	t of construction works within the contaminated	 Practice Guide (PG) for Investigation and Remediation of Contaminated Land GN/GM for land contamination 	٨
S7.5.1		 <u>Land-based and Marine-based Sediment</u> All construction plant and equipment shall be designed and maintained to minimize the risk of silt, sediments, contaminants or other pollutants being released into the water column or deposited in the locations other than designated location. 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. 	To control pollution due to marine sediment	Contractor	Along CKR alignment	area Construction stage	• ETWB TCW No. 34/2002	^ 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. Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.						N/A N/A
		The Contractors shall monitor all vessels transporting material to ensure that no dumping outside the approved location takes place. The Contractor shall keep and produce logs and other records to demonstrate compliance and that journeys are consistent with designated locations and copies of such records shall be submitted to the engineers.						N/A
		The Contractors shall comply with the conditions in the dumping licence. All bottom dumping vessels (Hopper barges) shall be fitted with tight fittings						^ N/A
		seals to their bottom openings to prevent leakage of material. 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	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
		Contaminated marine mud shall be transported by spit barge of not less than 750m3 capacity and capable of rapid opening and discharge at the disposal site.						N/A
		Discharge shall be undertaken rapidly and the hoppers shall be closed immediately. Material adhering to the sides of the hopper shall not be washed out of the hopper and the hopper shall remain closed until the barge returns to the disposal site.						N/A
		For Type 3 special disposal treatment, sealing of contaminant with geosynthetic containment before dropping designated mud pit would be a possible arrangement. A geosynthetic containment method is a method whereby the sediments are sealed in geosynthetic containers and, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping at the disposal site, thereby fulfilling the requirements for fully confined mud disposal.						N/A
\$7.5.1	WM6	<u>Chemical Waste</u> Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.	Control the chemical waste and ensure proper storage, handling and disposal	Contractor	All construction sites		 Waste Disposal (Chemical Waste) (General) Regulation Code of Practice on the Packaging, Labelling 	٨
		Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed, have a capacity of less than 450 L unless the specification has been approved by EPD, and display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the regulation.					and Storage of Chemical . Waste	٨
		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.						Λ

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n 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.						Λ
S7.5.1	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	Contractor	All construction sites	Construction stage	on · 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.	avoid odour, pest 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.						٨
		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.						٨
Land Contar	nination		•					
S8.9 & Appendix 8.4		Excavation of the Contaminated Soil Prior to commencement of the excavation works at the contamination zone, the zone should be clearly marked out on site and the surface levels recorded. Excavation of contaminated material should be undertaken using dedicated earth-moving plant.	The contaminated soil will be excavated for on- site reuse	Contractor	PBH4	t of construction works within	 Practice Guide (PG) for Investigation and Remediation of Contaminated Land Guidance Notes for Contaminated Land 	N/A
		The excavated contaminated soils would be stockpiled at designated area on site and covered by sheet to prevent dispersion of contamination during stockpiling.				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	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
Hazard to Li							· · · · · · · · · · · · · · · · · · ·	•
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		^
S9.18	H9	Emergency response plans in case of road accident should be prepared and implemented. The driver and his assistant should be familiar with the emergency procedures including evacuation, and proper communication/ fire-fighting equipment should be provided to the driver and his assistant.	To reduce the risk during explosives transport	Contractor	Works areas at which explosives would be used	Construction stage	/	^
Landscape a	nd Visual			I				
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	/	٨
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	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
S10.10.1 Table 10.11	LV7	Tree Protection & Preservation Carefully protected during construction. Tree protection measures will be detailed at the Tree Removal Application stage and plans submitted to the relevant Government Department for approval in due course in accordance with ETWB TC no. 3/2006.	visual impact	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	<u>Tree Transplantation</u> For trees unavoidably affected by the Project that have to be removed, where practical transplantation will be chosen as the top priority method of removal. If this is not possible or practical compensatory planting will be provided for trees unavoidably felled (See LV10). For trees unavoidably affected by the Project works that are transplanted, transplantation must be carried out in accordance with ETWB TCW 2/2004 and 3/2006.	visual impact	Contractor	Within Project site and designated off- site locations	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	<u>Compensatory Planting</u> For trees unavoidably affected by the Project that have to be removed, where practical transportation will be chosen as the top priority method of removal but if this is not possible or practical compensatory planting will be provided for trees unavoidably felled. All felled trees shall be compensated for by planting trees to the satisfaction of relevant Government projects. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006.	enhance landscape	Contractor	Within Project site	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	Implementatio n 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 landscape impact	Contractor	Within Project site	Construction Phase	/	N/A
S10.10.1 Table 10.11	LV13	Reprovising of Public Open Space All areas of public open space affected by the Project will be reprovisioned either at the same location following the completion of temporary works, or at a separate site, as agreed with relevant Government departments. Open space should be re-provisioned in an enhanced manner.	Minimize landscape impact	Contractor	Within Project site	Construction Phase	Open space should be re- provided in an enhanced manner.	N/A
Cultural Her	ritage Impact (Construction Phase)	•			•		
S11.4.4		The contractor should be alerted during the construction on the possibility of locating archaeological remains and as a precautionary measure, AMO shall be informed immediately in case of discovery of antiquities or supposed antiquities in the subject sites.	To preserve any cultural heritage items which may be removed and damaged by the excavation	Contractor	During construction works for cut and cover tunnels	During the Construction Phase	 AMOs requirements 	N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
EM&A Proj								•
\$13.2		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 	^
\$13.2-13.4	EM2	An Environmental Team needs to be employed as per the EM&A Manual.	Perform environmental monitoring & auditing	Highways Department/ Contractor	All construction sites	Construction stage	 EIAO Guidance Note No. 4/2010 TM-EIAO 	٨
		Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures;						٨
		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.						Λ

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 2022

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/warning/summon and prosecution were received in the reporting period.