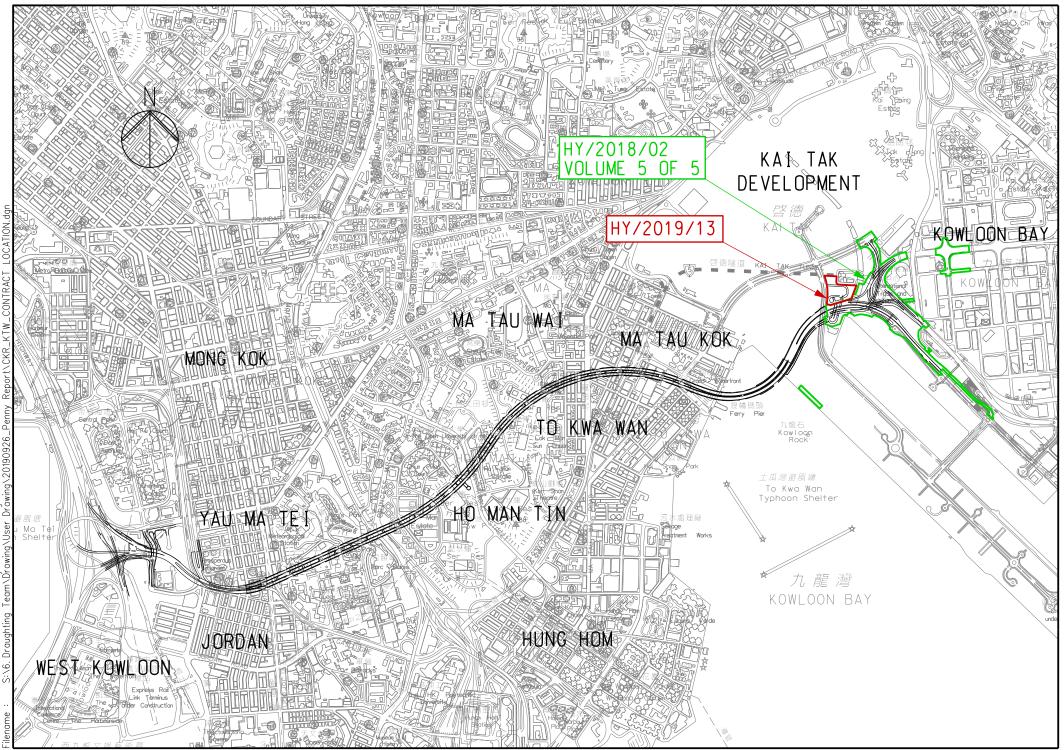
# **Vol. 5 of 5**

# EP-457/2013/C 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) April 2021



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/C

#### **Central Kowloon Route**

### **Independent Environmental Checker Verification**

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

Document/Plan to be-Certified/ Verified:	Monthly EM&A Report No.20 (April 2021)	
Date of Report:	10 May 2021 (Rev. 1)	
Date received by IEC:	10 May 2021	

#### **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/<del>plan</del> complies with the above referenced condition of EP-457/2013/C.

Mandy 20.

Ms Mandy To Independent Environmental Checker Date:

10 May 2021

Our ref: 0436942\_IEC Verification Cert\_KTE\_Monthly EM&A Rpt No.20.docx



# Alchmex – Paul Y Joint Venture

## Central Kowloon Route Contract HY/2018/02

## Section of Kai Tak East

Monthly EM&A Report No. 20

(Period from 1 to 30 April 2021)

## Rev. 1

## (10 May 2021)

		Name	Signature
Prepared by		Philip Y. N. Chan (Assistant Environmental Consultant)	Philip
Checked Reviewed by	&	Nelson T. H. Tsui (Senior Environmental Consultant)	That
Approved Certified by	&	Kevin W. M. Li (Environmental Team Leader)	Ks

#### 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 20<sup>th</sup> monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 April 2021 to 30 April 2021.
- 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 Portion 2B, 3B, Kai Cheung U Turn & Kai Cheung Loop Road.
- Construction Work for the Foot Bridge at Kai Fuk Road.
- Excavation Works for Adit at Area Part 1B.
- Excavation Works for Underpass at Portion 3B.
- Construction of Marine Platform at Kai Tak Nallah
- Reconstruction of Box Culvert at Portion 2B
- Sheet piling Work at Area Part 1A.
- 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	6 times
Construction dust (1-hour TSP) monitoring	
E-A1	18 times

- A.4 Joint weekly site inspections were conducted by representatives of Environmental team (ET), Contractor and Engineer on 7, 14, 21 and 28 April 2021. Also, a joint site inspection with Independent Environmental Checker (IEC) was undertaken on 14 April 2021. 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 14 and 28 April 2021. 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 Portion 2B, 3B, Kai Cheung U Turn & Kai Cheung Loop Road.
- Pile Cap Construction at Kai Cheung Loop Road & Portion 2B
- Excavation Works for Adit at Area Part 1B.
- Excavation Works for Underpass at Portion 3B.
- Construction of Marine Platform at Kai Tak Nallah
- Retaining Wall Construction at Portion 2B
- Sheet piling Work at Area Part 1A.
- Central Divider Removal at Kai Fuk Road.

#### **1. BASIC PROJECT INFORMATION**

- 1.1. Central Kowloon Route (CKR) is a 4.7 km long dual 3-lane trunk road in Central Kowloon linking Yau Ma Tei Interchange in West Kowloon with the road network on Kai Tak Development and Kowloon Bay in East Kowloon.
- 1.2. The Central Kowloon Route Design and Construction Environmental Impact Assessment Report (Register No.: AEIAR-171/2013) was approved with conditions by the Environmental Protection Department (EPD) on 11 July 2013. An Environmental Permit (EP 457/2013) was issued on 9 August 2013. Variations of EP (VEP) was subsequently applied for and the latest EP (EP-457/2013/C) was issued by EPD on 16 January 2017.
- 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 Portion 2B, 3B, Kai Cheung U Turn & Kai Cheung Loop Road.
- Construction Work for the Foot Bridge at Kai Fuk Road.
- Excavation Works for Adit at Area Part 1B.
- Excavation Works for Underpass at Portion 3B.
- Construction of Marine Platform at Kai Tak Nallah
- Reconstruction of Box Culvert at Portion 2B
- Sheet piling Work at Area Part 1A.
- 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

Permit/ Licences/			_	
Notification /Reference No.	From	То	Status	Remark
<b>Environmental Permit</b>				
EP-457/2013/C	23 Apr 2019	End of Project	Valid	-
Wastewater Discharge Li		5		
WT00035029-2019	17 Dec 2019	31 Dec 2024	Valid	-
Notification of Construct		the Air Pollution	Control (Construct	ion Dust) Regulation
445001	Apr 2019	Dec 2023	Notified	-
<b>Chemical Waste Produce</b>	-			
WPN5113-247-A2940-01	17 May 2019	End of Project	Valid	_
Billing Account for Dispo				
7034073	15 Jun 2019	End of Project	Valid	-
<b>Construction Noise Perm</b>		J. J. J.		
GW-RE0894-20	28-Oct-20	27-Apr-21	Superseded by	
Gw-RE0894-20	28-001-20	27-Api-21	· ·	
			GW-RE0348-21	General Work for Area A
GW-RE0348-21	27-Apr-21	26-Oct-21	Valid	
			Superseded by	
GW-RE0853-20	16-Oct-20	15-Apr-21	1 2	General Work for Area B
			GW-RE0273-21	and Site Office
GW-RE0273-21	2-Apr-21	1-Oct-21	Valid	
GW-RE0106-21	5-Feb-21	4-Aug-21	Valid	Kai Cheung U Turns
GW-RE0226-21	15-Mar-21	12-Sep-21	Valid	Portion 2B
	Valid until			
GW-RE0268-21	7-Apr-21	17-Apr-21		Central Divider Removal
			17-Apr-21	
CW DE0224 21	10 Mar 21	17 4 01	Valid until	Contra Flow at
GW-RE0224-21	18-Mar-21	17-Apr-21	17-Apr-21	Footbridge
			Valid until	
GW-RE0279-21	26-Mar-21	17-Apr-21		Wang Kwong Rd Traffic
		17 11p1 =1	17-Apr-21	Light
			Valid until	Kai Cheung Rd
GW-RE0249-21	1-Apr-21	30-Apr-21		Transplant
			30-Apr-21	Tansplan
			Valid until	Wang Kwong Rd
GW-RE0294-21	5-Apr-21	19-Apr-21	19-Apr-21	Reinstatement
			17110121	Wang Kwong Rd & Kai
GW-RE0325-21	9-Apr-21	7-May-21	Valid	Cheung Rd Road Paving
			Volid until	
GW-RE0367-21	19-Apr-21	9-Apr-21 30-Apr-21	Valid until	Contra Flow at
		1	30-Apr-21 Footbridge	
GW-RE0408-21	28 Ann 21	30-Jun-21	Valid	Wang Kwong Rd Traffic
UW-KEU4U0-21	28-Apr-21	50 <b>-</b> Juli-21	vallu	Light

#### 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/C) as of the reporting period for the Project are summarised in Table 2.1

<b>EP Condition</b> ( <b>EP-457/2013/C</b> )	Submission	Submission date	
Condition 1.12	Notification of Commencement Date of	26 Jul 2019	
Condition 1.12	Construction of the Project	20 Jul 2019	
Condition 2.4	Management organisation of the main	26 Jul 2019	
Condition 2.4	construction companies	20 Jul 2019	
Condition 2.5	Construction Programme and EP	26 Jul 2019	
Condition 2.5	Submission Schedule	20 Jul 2019	
Condition 2.6	Design Drawing	26 Jul 2019	
Condition 2.8	Landscape Mitigation Plan	21 Sep 2020	
Condition 3.3	Baseline Monitoring Report	21 Aug 2019	
Condition 3.4	Monthly EM&A Report (March 2021)	14 Apr 2021	

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

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

#### **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

Monitoring Parameter	Monitoring Equipment	Serial Number	Date of Calibration
1-hour TSP	LD-5R Digital Dust Indicator	992821	27 Sep 2020
24-hour TSP	TE-5170X High Volume	1049	1 and 16 Apr 2021
	Sampler		
	TE-5025A Calibration Kit	3465	23 Sep 2020

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 1<sup>st</sup> 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 m<sup>3</sup>min<sup>-1</sup>, which was within the range specified in the EM&A Manual (i.e. 0.6- 1.7 m<sup>3</sup>min<sup>-1</sup>);
- 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

	Bust Monitoring Station
Monitoring Station	Major Dust Source
E-A1	Nearby traffic

Table 3.4	Observation at	Dust N	Monitoring	Station

3.6.2. Air quality impact monitoring for the reporting month was carried out on 1, 7, 12, 16, 22 and 28 April 2021 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.

		an 191 Hitohitohito ang 1000 ang	
<b>Monitoring Location</b>	Range(µg/m <sup>3</sup> )	Action Level(µg/m <sup>3</sup> )	Limit Level(µg/m <sup>3</sup> )
E-A1	47 - 63	279	500
Ta	ble 3.6 Summary of 24-ho	our TSP Monitoring Result	S
Monitoring Location	Range(µg/m <sup>3</sup> )	Action Level(µg/m <sup>3</sup> )	Limit Level(µg/m <sup>3</sup> )
E-A1	29 - 63	142	260

Table 3.5 Summary of 1-hour TSP Monitoring Results

#### 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	8
	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)			
Apr-2021	72,134.81	0.00	79.67	0.00	0.00	0.05

Table 3.7 Quantities of waste generated from the	the Project
--	-------------

## 4. SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTIONS

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

140	ble 4.1 Elivirolimental Co		
Complaint Received via	Project Hotline	Complaint Received via	a 1823 or from other
		government departments	
Contractor notify ER, ET	f and IEC	ER notify Contractor, ET	and IEC
Contractor log complair	l and date of receipt ont	o the complaint database. C	ontractor FR and FT to
Contractor log comptain	-	-	ontractor, EX and E1 to
		gation of complaint	
If complaint is considere	d not valid	If complaint is found vali	d
		1	
ET or ER to reply the con	mplainant if necessary	Contractor to identify a	nd implement remedial
		measures in consultation	with the IEC, ET and
		ER.	
		The ER, ET and IEC to	review the effectiveness
		of the Contractor's reme	
		updated situation; ET t	
		monitoring and audit to	
		necessary, and oversee th	•
		to the complaint do no	-
		further inspection as nece	
If the complaint is refer	red by the EPD_the Con	tractor to prepare interim re	port on the status of the
_	-	ipulated above, including th	-
measures and additiona	-	or already taken, for submiss	sion to EPD within the
	time frame ass	igned by the EPD	
<b>-</b>			
The ET to record the deta	ails of the complaint, res	ults of the investigation, sub	osequent actions taken to
address the complaint a	and updated situation inc	luding the effectiveness of t	the remedial measures,
supported by reg	ular and additional moni	toring results in the monthly	y EM&A reports

#### Table 4.1 Environmental Complaint Handling Procedure

- 4.2. Should non-compliance of the criteria occur, action in accordance with the 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, 4 site inspections were carried out by the representative of ET, Contractor and Engineer on 7, 14, 21 and 28 April 2021, along with bi-weekly inspection of the implementation of landscape and visual mitigation measures conducted on 14 and 28 April 2021.
- 5.2. One joint site inspection with IEC also undertaken on 14 April 2021. Minor deficiencies were observed during weekly site inspection. Key observations during the site inspections are summarized in Table 5.1.

Date	<b>Environmental Observations</b>	Follow-up Status
7 April 2021	1. Stock of more than 20 cement bags was	1. Cement was covered properly.
/ April 2021	found without covering at Portion 3B.	
	1. Stagnant water was found at Portion 1A.	1. Stagnant water was removed
	2. Metal plates were found without sealing at	and sandbag was provided to
14 April 2021	Marine Platform.	prevent run-off.
14 April 2021	3. Oil stain was found at Marine Platform.	2. Gap between metal plate was
		sealed up.
		3. Oil stain was removed.
	1. Water spraying should be provided at	1. Water spraying was provided.
21 Amril 2021	Portion 2B and KITEC.	2. NRMM label was provided.
21 April 2021	2. NRMM label was not displayed on the	
	excavator at Underpass S3.	
28 April 2021	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.

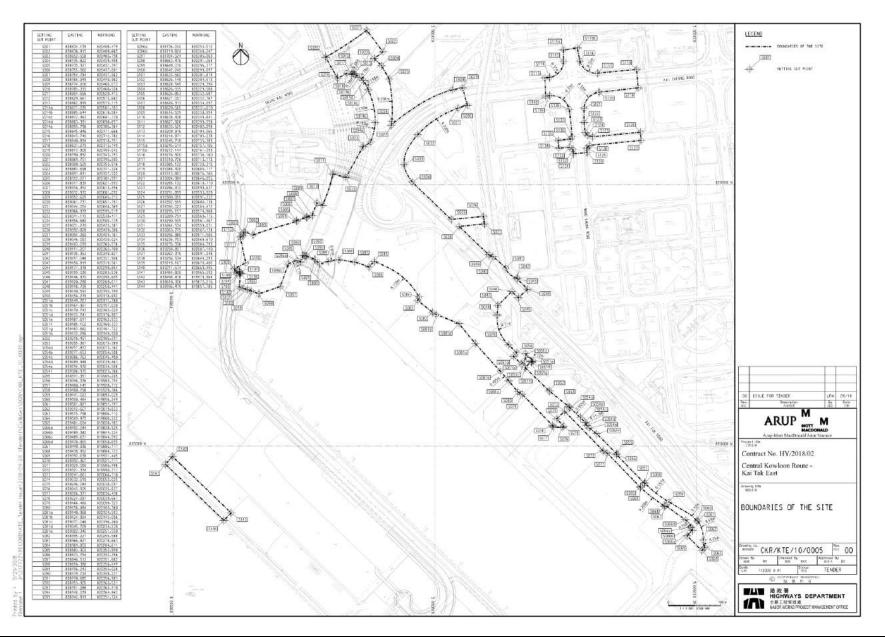
#### 6. **FUTURE KEY ISSUES**

- 6.1. The construction activities provided by Contractor in the next reporting month are:
  - Bored Pile at Portion 2B, 3B, Kai Cheung U Turn & Kai Cheung Loop Road.
  - Pile Cap Construction at Kai Cheung Loop Road & Portion 2B.
  - Excavation Works for Adit at Area Part 1B.
  - Excavation Works for Underpass at Portion 3B.
  - Construction of Marine Platform at Kai Tak Nallah
  - Retailing Wall Construction at Portion 2B.
  - Sheet piling Work at Area Part 1A.
  - 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 20<sup>th</sup> monthly EM&A Report presents the EM&A works undertaken during the period from 1 April 2021 to 30 April 2021 in accordance with the EM&A Manual and the requirement under EP- 457/2013/C.
- 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 14 April 2021. 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



# Appendix B Construction Programme

a Date: 25-Apr-21 t Date: 06-May-21	10:00				Centr	Contr e Kow						ast										Alc	Chimex -	C Paul Y	Joint	Aenture	
10	Activity Nome		Org Dur Start	Finan	Late Stat	Late Finish	Tets Float	TRA (Day)			Art N			2		_		30%				1.My 27				B	
entral Kowlo	oon Route - Kai Tak Eas	st (Month 24 Update) (Re	523 28-Fid-20 A	30-Apr-22	0334420	07-Feb 25	1113	883.00	8	94	11 1 1	3	02	69	10 2	3 3	0 08	13	20	- 37	04		18 1	10 11	01	15	22
RELIMINA	RIES AND GENERAL RE	QUIREMENTS	154 05-P45-21 A	18446521	11-040-21	03-00-33	194	0.03																			
Salient Key D	Dates and Milestones							0.00	1																		
Key Dates			0 30-Apr/25	30-Apr-21	16-Feb-21	30-Apr-21		0.00																			
Sections of th	ne Works		0 30-Apr-21	20-Apr-21	15-Feb 21	30 Apr 21	0	0.00																			
KD-10	K010 - Section 10: Completion o and Coloring for Padedblars (64	f portion of NPR Pootbridge within Part 3P	0	30-0p+31*		30-Apr-21	0							-										-			
KD-03	KD03 - Section 3: Comprises al th	he was in Part 2C except Establishment Works	0	30-Apr-21*		16-Reb-21	-73																				
Independent	for Landszpe Softworks (4960) L Safety Audit Scheme Au		10 22-668-21	22.4421	04-540-72	04540-74	415	0.00																			
Safety Aduit			0 22-344-21	22-3:4-21	04-Sep-22	04-540-22	-409	0.00																			
SA-1110	5th Safity Audit at 6 months inte	rvals	0 22-364-21		04-54p-22		409																				
Utilities Sche	stule (WSD/DSD/CLP/T	G/PCCW/HKB/ATC/KT Tur	154 05560714	10-440-21	1391422	03466-02	396	0.00				-															
Utilities Month			154 05 File 21 A	16 Aug-21	13 14/22	63 Nov 22	356	0.00																			
UJ-1108	8th Utilities monthly meeting		0 05-Feb-21.A		13-34-22																						
00-1110	9th Utilities monthly meeting		0 26-Apr-21		13-364-22		356	-				•															
00-1042	10th Utilities monthly meeting		0 26-Jun-21		09-540-22		356					11															
00-1944	11st Utilities monthly mosting		0 18-449-21		03-0kov-72		356					-												-			
	DENGINEERING		447 35 Ferot A	Mides 21	25-5ep-10	30-549-72	302	0.00																			
	Design & Engineering		10 25 Hours					0.00																			
	iges at Ground		206 10 Aug 20 A	26-901-23	25-309-21	19-34-22	362	00.0																			
	ign for Bridge S2, S7 & S8 - Pi	ion: B. Dark	206 10-Aug-20 A		26-309-21	19-34-22	1/62	0.00																			
Bridge S2	grind druge st, sy a so - ri		179 18 Aug 20 A	26-Acr-21	26-hm21	26-309-21	51	0.00				_															
DES-0176	CED BYCC Blace & Dark's Colorest II	p FM & all relevant parties for review and	52 18 Aug-20 A		26-Jun-21	26-Jun-21	51	0.00																			
DES-0178	CDD 5 St Plast deal) Score a approval CSD 8(S2 Plast & Deal) Consent		0	26-405-21	20.30122	25-306-21	51	_																			
	CSD-8,52 Hers & Debt.) Consens	ID MAR, I'VE WORKS	206 10-Aug-20 A	26-Apr-21	30-309-21	30-305-21	54	0.00				1															
Bridge 57 DE5-0182		p FM & all ellevant parties for enview and					54	0.00																			
DES-0182	approval		39 10 Aug-20 A		35-hin/21	35-3.m-21	54	_																_			
	CSD-B(S7 Piers & Dedk) Consent	to start the works	~	26-Apr-21		30-3un-21						1															
Bridge SB			193 25 Aug-20 A	26-Apr-21	19306-22	19-36622	362	0.00																			
CES-0186	CSD-B(S8 Piers & Ded) ICE Cher		12 25-Aug-20 A		39-Jul-22	19-30-622	362																				
DE5-0190	CSD-8(S8 Piers & Dedk) Consent		0	26-Apr-21		19-3ul-22	362		9																		
	ndation of Ring Road Underp		330 28 Feb 20 A	30-Apr23	28-86-22	02-Aug-22	369	0.00																			
		ad Underpass & Ventilation Adit	330 28-Feb-20 A	10-Apr 21	28-36-22	02-hug-22	369	0.00				1															
CES-0198	CSD-F Submit to PM & all relevan		51 28-RID-20 A	00141001	2836422	02-Aug-22	369																				
CES-0200	CSD-F Consent to start the works		0	10-Apr-21		02-Aug-22	309																				
	iges across Kai Tak River (3 sp		A 05-wH-01 006		25-Sep 20	30-Sep-72	424	0.00																			
Detailed Desig	ign for Bridge S1, S3, S4, CKR	E & CKRW - Piers & Deck	309 19-Har-30 A	26-Apr-21	25-Sep-20	30-Sep-22	424	0.00						-			1										
Current Me Actual Wat Ottaal Rein Bernaning	a narong Weak	Central Ko	owloon Rout Thr			t (Monti ng Prog			te) (Re	•v18 -	CSD)		Baseline Layout:	KTE + 3 M ASK Elters	onths Roll	ing Progr	amme 1. KTE - S	lubmissio	n.		Eate 2047ab-21 254Fdx21 2047ar-21 2047ar-21 2047ar-21 3047ar-21	Morth Subm Month Subm	k CSD Proge ty Programm k CSD Proge ty Programm	arime Rev 17 e M23 arime Rev 18	È.	TW TW TW TW TW TW	ed Ag DC DC DC DC DC DC DC

i) ID	ACMy Nets	Olt Dir Slat	Fren	Life Stat	Late Finan	Total Ploat	TR	Agrit 24			Hay	0.110.0		June 36				Nhy 27			X	leug 1	
Bridge S3	-	258 27-Mar-20 A	26-Apr-21	30-Sep-22	30-5ap-22	424	0.0	28 04 11 18	25	02 09	16	21	36 0	13	20	21	04	11 1	25	01	- 28	15	22
CE5-0236	CSD-G(33 Piers & Deck) Submit to PM 8 all relevant parties for review and	51 27-Mar-20 A		30.540-22	30-549-22	424	-		-														
DES-0238	approved CSD-GSD Plens & Decki Consent to start the works	0	26-801-21	JAN SELF-CA	30-549-22	424																	
	Carrol as nets a beau caretar a san arc works																						
Bridge 54		237 27-Ma-20 A	26-Apr-21	25-Sip-20	25-54p-20	-165	0.0		1.1														
CE5-0242	CSD-G(S4 Piers & Deck) Submit to PM & all relevant parties for review and approval	24 27-Ma-20 A	26-Apr-21	25-Sep-20	25-Sep-20	-1.65			-														
DE5-0244	CSD G(54 Piens & Deck) Consent its start the works	ů	26-Apr-21		25-Sep-20	-165			•/														
Bridge CKRE	& CKRW	A 05-wH-91 026	26-Apr-21	25-May-21	25-May-21	24	0.0																
CE5-0248	CSD G(CKRE & ORRW Piers & Ded.) Submit to TM & all relevant parties for review and approval	47 19-Mar-20 A	26-Apr-21	25 May 21	25-May-21	24			-														
DES-0250	CSD-G(CRRE & CRRW Piers & Ded) Consent to start the works	0	26-407-21		25-May-21	24			•														
Temporary V	Norks Design & Engineering	300 20 ALU 20 A	165051	0+6ka-20	25/00/22	-218	0.0		1														
DES - Tempora	ary Works for Bridges	108 26-Apr-21	02-540-21	31-Deri20	20-3.m-22	230	0.0																
DES_T03 - Te	emp working platform for Bridge S1/S9 over Kai Fuk Road	50 26-Apr-21	25-Jun-21	18-Jun-21	16-Aug-21	43	0.0																
DES-1329	DES - ICE checking and approval	26 26-Apr-21	27-May-21	15-349-21	19-34-21	43			_		-	_											
CES-1322	DES - Project Manager chesking and approval; consent to slart the Portal	24 28-May-21	25-Jun-21	20-94-21	16-Aug-21	45						-			-								
DES 105 - Te	ucds amp working platform for Bridge S7 over Kai Cheung Sip Roa	84 26 Apr 21	15 Aug 21	31-Dec 20	01-Sep-21	21	0.D						- 1										
DES-1324	DES - Prepare prefiminary proposal admission	36 26-Apr-21	08-Jun-21	31-Dec-20	11-Feb-21	-86			_		_												
0E5-1326	DES - ICE diversion and approval					23				-	-		ET.	_			_						
		24 09Jun 21	08Jul-21	08.001.21	04 Aug-21										1		-						
DES-1328	DBS - Project Manager chassing and approval; consent to start the Portal works	24 09-304-21	(6-440-21	05-4ug-21	01-5 <b>4p-21</b>	23											-						
	amp working platform for Bridge 52 & S8 over KI <sup>s</sup> Rd & KC Rd	84 26-Apr-21	054449-21	31-Dec-20	29-Apr-22	213	0.0																
DES-1330	DES - Prepare pretiminary proposal submission	36 26-Apr-21	08-Jun-21	35-Dec-20	11-feb-21	-68			-		-												
DE5-1332	DES - ICE theting and approval	24 09-Jun-21	00-Jul-21	05-Mar-22	28-Mar-22	213									-		-						
0E5-L334	DES - Project Planager chickeing and approval; coreant to start the Portal works	24 09-348-21	15-9442-21	29-Mar 22	29-Apr-22	213											-	-	-				
DES_TIG-EL	LS Design for Bridge S7 - 78-S7 to 70-S7	65 09-Jun-21	25-Aug-21	29-Ma-21	19-3un-21	-56	0.0																
065-1372	DES - Prepare preliminary proposal submission	36 09-Jun-21	22-3421	29-Mar 21	14:May-21	-56								-	-	-	-	-					
DES-1374	DES - IUE checking and approval	5 23-3.4-21	28-34-21	15-Mby-21	21-May-21	-56													-				
DES-1376	DES - Project Manager cheating and approval; consent to start the ELS works	24 29-34421	25 Aug 21	22/10/21	19-Jun-21	-66					1									_		_	-
DES 117-EL	LS Design for Bridge S8 - 8A-58 to 8D-58	72 09-Jun-21	02-Sep-21	21-458-22	20-308-23	230	0.0																
0ES-1378	DES - Pepare peliminary proposal submission	36 09.3an-21	22-3421	21-Mar-22	06-May-22	230									-	-	_	_	1				
CES-1380	DES - ICE checking and approval	12 23-3,421	15-Aug-21	07-May-22	21-May-22	230													_				
0E5-1382	DES - Project Manager checking and approval; consent to start the ELS works	24 06-Aug-21	02-Sep-21	23/May-22	20-3/n-22	230																_	
													1.1										
	ary Works for Underpasses, Adit and Roads	96 09-Jun-25	18-545-21	19-680-21	23-545-21	- 1	0.0																
DES_TOS - Te	emp works for construction of Sign Gantries, Lighting Poles &	86 09-Jun-21	18-Sep-21	12-Jun-21	23-Sep-21	3	0.0																
0ES-1390	DES - Prepare pretiminary proposal automission	.36 09-Jun-21	22-94721	12-Jun-21	26-34-21	3							5	2					1				
DES-1392	DES - ICE checking and approval	26 23-34/21	51-400-51	27-34-21	25-Aug-21	3													6	-	-		
DES-1394	DES - Project Planager checking and approval; consent to start the works	24 23 Aug 21	18-Sep-21	26-Aug-21	23-5ap-21	3																	e:
DES_TIO - Te	amporary works for Traffic Deck over Underpass \$3	(94 09-Jun-21	16-Sep-21	19-Feb-21	03-3/11-21	-86	0.0				1												
DES-1402	DES - Prepare pediminary proposal submission (ELS for Box Section and Remos)	36 09-Jun 21	22-34421	19-Reb-21	01 Apr-21	-88							•	-	-	-	_	_	6				
CES-1404	Ramps) DES - ICE diverting and approval	24 23-344-21	19-Aug-21	07-Apr-21	05-May-21	-86							- 1						-	-	-	-	
Current Ma Actual Wal Ottaal Ren Herroming	a Central Ko				st (Monti ing Prog			ite) (Rev18 - CSD)		Project ID: K Baseline: Layout: KTE Filter: TASK	3 Month	s Rolling Pr		Submissi	80.		Date 20-Feb-21 25-Feb-21 25-Feb-21 25-Feb-21 21-Mar 21	Monthly Po Submit CS Monthly Po	Rav 20 Programme Nagramme M2 30 Programme M2 5 gramme M2	e Rev 16 2 e Rev 17 3		THY THY THY THY	ed Ap DC DC DC DC DC
										Page 2 of 19			and the second second				854p+21 994p+21		2) Peganne N2			TW TW	DC

	Activity Nana	Orig Dur Blat	Fixer	Late Stat	Late Fields	Float	(Day	24	8			36		17	S	8	-
ES-1406	DES - Project Nanager checking and approval; consent to start Underpase ST	24 20-Aug-21	16-Sep-21	06-May-21	03-Jun-21	-68		11 18 1	25 02 28 16	23 3	0E	10 20 2	34	11 18 .	5 01	08 15	22
5 - Temporar	ry works for Kai Fuk Road Footbridge	224 38-Aug-20 A	10-309-21	044kpv-20	18-000-81	434	0.00										
ES_T21 - ELS	5 Design for Demolition of Subway NS20	224 28-Aug-20 A	10-Am-21	D1-Nov-20	18-Dec-20	-1234	0.00										
E5-1444	DES - Prepare protiminary proposal submission (ELS for demolish upper part	36 28-Aug-20 A	26 Apr 21	04-Nov-20	041Npv-20	-134		-									
ES-1496	of ramp) DES - ICE checking and approval	26 26-Apr-21	27-May-21	05-Nov-20	04-Dec-20	-134											
E5-1448	DES - Project Manager checking and approval; consent to start the works at	12 28-May-21	10-3-0-21	85-Car-20	18-Dec-20	-134				-	-						
NSTRUCTI	Existing Subway	\$17 244 n 20 A	TO April 2	011420	07/Fem-26	1111	BELLON										
	rary Traffic Management Scheme														1		
	r Kal Fuk Road	0 17-0.0-21	17-30-21	12-040-20	12-049-20	-144	0.00										
R-TTA-1	TTA - Ka Fuk Road - Stage 1	0 17-Jun-21		12-0кс-20		-1.44											
	I the Works of the Site, except Section 2 to 17		CONTRACTOR OF	034429	11.646.75		\$15.00										
1_1 Prelimin		168 06+10r-21 A	10 Can 31	24-8429	12-34-21		102.00										
		168 05-46r-21 A		24-3,620	12-34-21		102.60			1							
te Establishn										b 1.							
1.4	el platform over Kal Tak River	168 06-Mar-21 A		24-3,4-29	12-34-21	-06	1.02.00										
1-2036	SE(Stage 1) - Instal F3 concrete block and decking for Partien 1 (S1)	48 26-Apr-21	23-Jun-21	28-Jan-21	31-Mar-21	-65	6.00	-			1. 1.	1					
1-2324-1	SE(Stage 24) - Re-design pre-growting proposal due to Predrill IE-51-P1A (EW-135)	20 20-Mar-21 A	10-00-21 A	24-3,4-20	24-34-20												
1-2324-2	SE(Stage 2a) - additional pre-grouting for new proposal (EW-135)	18 12-Ap-21 A	17-May-21	24-3.4-20	13-Aug-20	-220		-									
1-2324	SE(Slage 24) - Coring & Temporary pre-grouting for 16-51 (1 m)	48 38-May-21	15-3.4-21	14-Aug-20	10-Oct-20	-226	6.00		-	-	-	_	_	-			
1-2058	SE(Stage 2a) - Extract existing sheetpile within pile 1E-51	12 16-34-21	29-34-21	12-0 <b>d</b> -20	24-02:20	-220	3.00							_	•		
UIA Sittige 2				240-0		-187	1.1.										
1-2042	SE(Stope 2) - Temporary steri platform & Coffeedam for FIB(1) - 3E-53	20 06-Mar-21 A	07-Apr-21 A	05-Aug-20	05-Aug-20		6.00										
1-2044	SE(Slage 2) - Temporary steel platform for (F2-19, F2-20) 3rd Row	25 06/Mar 21 A	25-Mar/21 A	05-Aug-20	05-Aug-20		6.00										
1-2043	SE(Stage 2) - Temporary stad platform & Colfection for F1B(2) - GRE-KS	25 17-Apr-21 A	26-May-21	24-Sep-20	24-08-20	-167	6.00	-							1		
1-2046	SE(Stage 2) - Coring & Temporary pro-grouting for 3E-S3 (1 nr)	48 27-Apr-21	24-Jun-21	06-Aug-20	30.540-20	-210	6.00		_	_	-	_					
1-2060	SE(Stage 2) - Extract existing shoetple within pile 3E-51	6 37-May-21	02-3un-21	24-549-20	30-5ep-20	-192	3.00			-					_		
1-2048	SE(Slage 2) - Coing & Temporary pre-grouting for DGE 45 (2 ns)	60 10-3an-21	20A.p21	10-Nov-20	21-Jan-21	-167	9.00		m		-	-	-	-	-	and the second	
DTA Slage 3		38 0176-21 A	11.N=71.A	04 Sec. 0	04.5461-001	1.125.44	1.11										
1-2332	SE(Stage 3) - Temporary stast platform (F2-25, F2-29, F2-26) 2nd Row	28 06-Mar 21 A	14-Apr-21 A	04-5ap-20	04-5xp-20		6.00										
D LA Sitage 4		and they will a	25-50-41	14482-00	LUMAL L		-										
1-2056	SE(Stage 4) - Tempolary stee platform & Coffedam FIE(4) for SH4K-A ples	19 15-Apr-21 A	18-May-21	04-Sep-20	25-5ep-20	-184	6.00										
1-2320	SESSage 4) - Temporary steel platform & Coffedian F1C for 54-46-8 piles	21 20-May-21	12-349-21	16-0d-20	10-Nov-20	-169	6.00				-				-		
1-2054	SE(Stage 4) - Temporary sted platform & Cofferdam FLB(3) for CXRWKS	21 25-Hay-21	19-Jun-21	16-0ct-20	10-Nov-20	-174	6.00				1						
1-2326	ples SE(Stage 4) - Coring & Temporary pre-grouting for 4K,64-A (2 ms)	60 03-3un-21	13 Aug 21	13-04-20	22-00020	-184	9.00						-				
1-2325	St(Stape 4) - Coling & Temporary pre-grouting for CKRVI+IS (2 m)	60 16-34-21	24-5ep-21	29-Ap-21	12-34-21	-63	9.00							1			
1-2327	SE(Stage 4) - Coing & Temporary pre-grading for 4K S4 B (2 rms)	60 20-34-21	28-5ep-21	09-Jan-21	26-Mar-21	-150	9.00										
						-198	10.00										_
h_2 Ground 1	Investigation	110 04/Mar 21 A	19-34-21	24-8,4-29	08-jan-21	-150	10.00						11				_
Current Mitti Actual Work Otikal Remaining V	Central Ko	wloon Rout Thr			t (Monti ng Prog			- CSD)	Project ID: KTE-AP18 Baseline: Layout: KTE - 3 Month Filter: TASK filters: 3 M	is Rolling Program		ission	Data 20-Feb-21 20-Aler/21 20-Aler/21 21-Aler/21 20-Apr/21 30-Apr/21	Submit CSD Program Monthly Program Submit CSD Program Monthly Program Submit CSD Program Monthly Program	: M22 imme Rav 17 • M23 imme Rav 18	The dec The dec The term	

i D	Activity Name	Ong Da	r S.M	Faiatr	Lale Stat	Late Firsh	Test Fligat	TS (Dat	440 34	5 00 1	Ney 3			26			201y 17		. 1.0	August 20	
S1 - Pre-drilli	ing		04-Mar-21 A	19-Mar-21 A	24-8.8-20	24-34-20		1.6	a pa n 18 2	a w	11		0 00	12 22	21	24	11 18	2 0	<u>(8</u>	0	22
2-2110	S1 - Precifiling over Kai Tak River for 1E-S1 (1 m)		01/10/21A	19-Mar-21 A	249,820	24-34-20		1.5													
S3 - Pre-drillir	ng		19-Apr-21 A	25-Apr-21	05-Aug-20	05-Aug-20	-210	-14													
2-2142	53 - Pre-citiling over Kar Tak River for 36-53(1 m)		5 19-Apr-21 A	25 Apr 21	(6-Aug-20	05-Aug-20	-210	14													
54 - Pre-drillir	ng	s	20-May-21	15-3.4-21	26-Sep-20	08-Jan-21	-150	4.0		1											
2-2156	54 - Prociding over Kai Tak River for 4K-54-A (2 m)	11	20-May-21	62-ha-21	26-5ep-20	12-08-20	-194	2.6				_									
2-2154	54 - Pre-citiling over Kai Tak River for 46:54-8 (2 ns)	1	06-3ui-21	19-34-21	23 Dec 20	08-Jan-21	-150	2.6								-	-				
CKRW - Pre-d	PACEAL XING A BORD CONTRACTOR OF A DATA SALE		21Jun-21	05-34-21	09-Date 20	22-Dec-20	456	4.6													
2-2222	ORW - Predtiling over Kal Tak River KS-ORW-1 (1 m)		21-Jun-21	26-3.0-21	09-04-20	15-Dec-20	-150	2.6													
2-2220			28-30-21	15-3.4-21	16-Dec-20	22-Dec/20	-150	24													
	ORW - Prediling over Kal Tak River K5-ORW-2 (1 m)																				
Sch_3.1 Bridg			A 15-09150 (	15-06-21	19-Aug-20	16-Arr-21	-150	18.0													
S1 - Piling Wo	orks	19	02-Feb-21 A	16-00-21	19-Aug-20	13:Jan-21	-220	8.0													
	- ABUT A-1A-51	.24	02-Fub-21 A	01-Mar-21 A	04-3an-21	04-Jan-21		0.0													
3.1-2302	S1 - ABUT A-LA-S1 Proof drilling & Rives testing	24	02-Feb-21 A	01-Mar-21 A	04-3ar-21	04-Jan-21		0.0													
Piling Works	- Pier P-1E-51	6	30-34-21	16-04-21	27-04-20	13-Jan-21	-226	4.0													
31-2304	S1 - Bored Piles for 1E-S1-1 (1 nr)	61	30-34-21	15-04-21	27-0et-20	13-Jan-21	-226	4.0										-	-	-	
Piling Works	- Pier P-10-51/59-A	61	28 May 21	07 Aug-21	19-Aug-20	09Jan-21	-156	4.6													
3.1-2312	S1 - Bored Piles for 10-51/59-1 (1 m)	31	28-May-21	10-3.6-21	19-402-20	29-5ep-20	-224	4.0				-	_	_	-	_					
3.1-2314	S1 - 1D-S1/S9-L Proof drilling & Plestasting	24	12-34+21	07:Aug-21	10-Dec-20	09-lan-21	-166	0.0									_				
S1 - Pile Caps	, Pier / Abutment	71	25-Nay-21	27-Aug-21	04-Jan-21	16-Apr-21	-110	10.0													
Abutment 1A		7	26-May-21	27-A.g-21	04-Jan-23	16-Apr-21	-110	10.0													
3.1-2322	51 - Examples Down to Permation Lavel A-1A-51		26-Mar-21	08-341-21	04-3an-21	16-Jan-21	-110	2.6				-	-								
3.1-2324	S1 - Prepare Pile Head (3 ras) A-1A-51		09-Jun-21	24-349-21	18-Jan-21	01-Feb-21	-110	14					1.7	_							
	S1 - Construct Abutment Base A-1A-S1							34				1		113	_						
3.1-2326			25-340-21	19-3,4-21	02-feb-21	03-Mer-21	-110								-		1			-	
3.1-2328	S1 - Construct Abutment A-1A-51		20-30-21	16-Aug-21	04-Mar-21	31-Mar-21	-110	3.4													-
3.1-2330	S1 - A-1A-S1 Install Pormate Membrane and Baddill		17-Aug-21	27 Aug 21	01-Ap+21	16-Apr-21	-110	14													_
Sch_3.2 Bridg			06-402-20.6		18-06-20	01-40-22	Lin	82.6													
S2 - Piling Wo		321	06-Aug-20 A	67-5ap-21	15-04-20	13-Mar-22	146	65.0													
Piling Works	- ABUT A-2A	24	26-Apr-21	25-Hay-21	27-Aug-21	24.5ep-21	102	0.0													
3.2-2502	S2 - 2A Proof drilling & Piles tosting	2	26-Apr-21	25-May-21	27.449-21	24-54p-21	102	0.0	•		_	-									
Piling Works	- Pier P-2B	9	25-3an-21 A	25-14/0-21	16-04-20	20-5(0-21	99	5.0													
3.2-2505	52 - Bored Piles for 28-52-2 (1 m)	30	26-lan-21 A	10-Mar-21 A	16-0d-20	16-02-20		5.6													
3.2-2506	S2 - 28 Proof drilling & Piles testing	24	26 Apr 21	25-May 21	24-449-21	20-Sep-21	99	0.0	-		-										
Piling Works	- Pier P-2C	725	24-AU9-20 A	07-3un-21	21-900-21	83-Nov-ZI	123	20.0													
3.2-2508	52 - Bond Hks for 2CL/2OR (< ns)	201	24-Aug-20 A	08-May-21	21-542-21	05-08-21	123	20.6		-											
3.2-2510	52 - 3CProof drilling & Piles testing		10-May-21	67-Jun-21	05-04-21	03-Nov-21	123						_								
Piling Works			05 Aug 20 A		21-549-21	12-Mar-22	225														
3.2-2512	52 - Bored Piles for 201/2019 (4 ms)		06-Aug-20.A		21-Sep-21		123			-											
Current Mit		Central Kowlo							e) (Rev18 - CSD)	Baseline:	KTE-WP18_J					Data 20-930-21 25-935-21 20-944-21	Monthly Prop	Rovision Programme Rev 1 ramme M22 Programme Rev 1		Clede TYY TYY	ed A
Romaneg			Th	ree Mon	th Rolli	ing Proç	grami	me			TE - 3 Months SK filters: 3 Mo			mission		31-Mar-21 20-Apr-21 30-Apr-21	Monthly Prop	ornne M23 Programme Rev 1		799 799 799	0

D	Activity Nation	Ori	) Dur Blat	Faist	Lale Stat	Late Firsh	Tese Figat	TRA (Day)	201 14 119 12	34 1 70	1.14	16 23 16 2		1.06	24 24	20 1 2	1.0	243y 17	10 1	2 1	h	2011 20 15 1 0	
3.2-2514	52 - 2D Proof citiling & Piks trating		24 10-May-21	07-3.m-21	14-Reb-22	12-Mar-22	225	0.00			-				12	4 2			14	a vi	00	- a 12	-
Piling Works	- Pier P-2E		202 02-565-21.4	28A.9-21	26-Dec-20	04May/21	-115	8.00															
3.2-2517-3	52 - Bored Piles for 2EL;52-2 Part 2 (CNCE-0042)		54 02-Feb-21/	12-Mar 21 A	17-Feb-21	17-Feb-21																	
3.2-2517-1	52 - Soved Play for 2ELS2-1 (CHCE 0042)		48 15-10-21/	12-Jun-21	26-Dec-20	16-Peb-21	-115	3.00		_	-	_	-	-									
3.2-2516	S2 - Bored Pike for 2ER (1 m)		76 13-340-21	28-Aug-21	17-940-21	04May-21	-115	5.00							_	_	_	_	_		_	_	
Piling Works			220 25-lan-21 J		87-Feb-21	25-Jun-21	-73													-			
3.2-2520-1	52 - Bored Piles for 2F-1 (Telescopic Casing Method)		78 25-Jan-21 J		07-Feb-21	07-Feb-21		4.00	-											_			
3.2.2520.2						25 Apr 21	-73				8												
	S2 - Bornd Piles for 2F-2 (Telescopic Casing Method)		82 17-Apr-21 /	07-540-21	07-Feb-21						10												
3.2-2520-3	S2 - Bored Piles for 2P-3 (Telescopic Casing Nethod)		60 10-30-21		26-Apt-21	25-Jun-21	-73																-
S2 - Pile Caps	ı, Pier / Abutment		74 09-Jun-21	03-5ep-21	21-5(p-2)	01-40-22	108	17.00															
Pier 2A			5 20 Aug 21	25-A.g-21	25-549-21	30540-21	30	1.00															
3.2-2532	52 - Instali sheetpile for pile cap 2A		5 20-Aug-21	25-Aug-21	25-Sep-21	39-5ep-21	30	1.00															•
Pier 28			6 20-Aug-21	26-Aug-21	21-Sep-21	28-Sep-21	27	1.00															
3.2-2542	S2 - Instali sheetpile for pile cap 28		6 20-Aug-21	26-A.g-21	21-Sep-21	28-Sep-21	27	1.00														5	-
Pier 2CL/2CR			74 08-3an-21	63.5ep-21	D4 Nov 21	08-Feb-22	123	12.60															
32-2552	S2 - Install sheetple for pile ap 20,/20R		6 09-Am-21	15-Jun-21	04-Nov-21	10-Nov-21	123	1.00					11	-	-								
3.2 2554	52 - Exploration down to formation level 201/202		11 16-Jun-71	28-Jun 21	11 Nov 21	23 Nov 21	123	2.00							-	-							
3.2-2556	S2 - Prepare pile head (4 nm) C-20R & C-20L		17 29-hn-21	19-3,6-23	24-Nox-21	13-Dec-21	123	1.00									_	_					
3.2-2558	S2 - Construct pile cap C-2CR		11 20-30-21	31-3.6-21	34-040-21	28-Dec-21	123																
3 2-2560	52 - Construct pile op C-20.		10 02-0-0-21		21-30-22	08-Peb-22	142	2.00					1							-	<u>.</u>		
				12-Aug-21																			
3.2-2562	S2 - Construct Pier P-2CR (3 Life)		29 02-Aug-21	03-5ep-21	29-0ec-21	08 Feb-22	123	3.00			. B.									-			
Pier 2DL/2DR			17 13-Aug-21	01-Sup-21	34-Mar-32	01-40+22	170	3.00															
3.2-2566	52 - Trabali sheetpile for pile cap 201/208		6 13-Aug-21	19-Aup-21	14-Mar-22	19-Mar-27	170	1.00													-	-	
3.2-2568	52 - Exavation down to formation level 2DL/2DR		11 20-Aug-21	01-5ep-21	21-Mar 22	01-Apr-22	170	2.00														-	-
ch_3.3 Bridg	e S3 Works		156 29-389-21/	03-Sep-21	03-04-29	08-Nov-22	3%	13.00					12										
53 - Piling Wo	arks		156 29-3an-21 A	03-Sap-21	03-04-20	30.5ap-22	315	4.60															
Piling Works	- ABUT A-3A-53		24 29-381-21 /	10-Pet-21 A	04-3m-21	04-Jan-21		0.00															
3.3-2802	53 - ABUT A-3A-53 Proof drilling & Piles testing		24 29-lan-21.4	105621 A	04-Jan-21	04-Jan-21		6.00															
Piling Works	- Pier P-3E-53		60 25-hn-21	03-Sep-21	03-0et-20	30-Sep-22	315	4.00															
3.3-2804	S3 - Band Plas for 3E S3 (1 m)		36 25-Jun-21	06-Aup-21	03-04-20	14700-20	-210	4.00								_	_	_	_				
3.3-2905	53 - 18-63 Proof citiling & Piles testing		24 07-Aug-21	03-5ep-21	02-509-22	30-540-22	315	0.00															_
	- ABUT A-3D-53		24 26-40-21	25-Hav-21	11-4-0-72	07-540-72	361	0.00					_					-		_			
					E George			0.00	_														
3.3-2814	53 - ABUT A 30-53 Pool driling & Piles testing		24 26 Apr 21	25-Mar/21	11-Auj-22	07.5ep-22	361					-											
	, Pier / Abutment		65 (99-Jun-21	25-Aug-21	09-Feb-21	00-Nov-22	354	9.00															
Abutment 3A			65 09-3un-21	25-Aug-21	09-Fub-21	08 Nov-22	354	9.00															
3.3-2820	\$3 - Example Down to Formation Level A-3A-53		12 09-Jun-21	23-Ar+21	09-Peb-21	01-Mar-21	-91	2.00						-									
3.3-2822	53 - Prepare pile head (3 res) A3A-53		13 24-3a+21	09-34-21	05-Sep-22	20-Sep-22	354	1.60										1					
3.3-2824	S3 - Construct Abutment Res: A-3A-S3		21 16-34-21	03-Aug-21	21-Sep-22	17-Oct-22	354	3.00				t f						-			1		_
Current Mit	tive								1.1.1	Drein	e D KT	-WP18_M24						adu -		Rovision		Cleded	
Atus Yo	•	Central Kow	loon Rou	te - Kai	Tak Eas	t (Mont	h 24 l	Upda	SD)	Base	sine:						20-Feb 25-Feb	21 Mon	hlyPropurat	erms Rev 15 e M22		TYY	0
Critical Revi Remaining	naming Weak	876266666666666		ree Mon					8789 B.C.			3 Months Rolli			and and an o		20-Alex 31-Alex		nt CSD Programme triy Programme	emme Rev 17 te M23	-		D
			0.00	0.011123	0041200300		504/60	825		Filler	: TASK fi	ers. 3 Months	roolling_1,	RIE-Sub	mission.		20-4pt 30-4pt	-21 Bub		serve Rev 15		TWY	0
										Dane	5 of 19						so-th	w. Nor	ul under un	N 11021		1.11	4

)	Activity Name	Ong Da	r Stat	Fast	Lule Stat	Late Field	Test Flight	15 (De	April 24		Ney 25			Jure 26				ay T			28	
3.3-2826	S3 - Construct Abutmont A-3A-63	1	9 04-Aug-21	25-Aug-21	18-00-22	08-Nov-22	354	3.0	2 04 11 19	20 00 0	2 10	25	30 06	12	23	27	24 11	18	- 0 U	6	15	
h 3.4 Bridg	e S4 Works	42	36Apr21	25-549-21	72:409:20	72-00-22	314	56.0														
4 - Piling Wa	arks	12	/ 26-Apr-21	25-5ep-21	22-Aug-20	20 Mby 21	-100	8.0														
Filing Works	- Pier P-4K-54-A	3	5 14 Aug-21	25-5ep-21	23-Dax-20	05-Feb-21	-184	4.6														
3.4-3019	S4 - Bored Piles for 48(-SH-A-1 (1 m)	3	14-Aug-21	25-5ip-21	23-000-20	05-Feb-21	-184	4.0													_	_
	- Pier P-4E-54		16 April 1	25-Har-21	27-Feb-21	2644+21	-45															
3.4-3034	54 - 4E 54 Proof drilling & Pliestesting		4 26-Apr-21	25-May-21	27-Feb-21	26-Mar-21	-6	0.0				1										
	The second s		25 Nav 21				-10	0.0		-		F1										
	- Pier P-4F-54			23Jun 21	27-Mar-21	28 Apr 21																
3.4-3038	54 - 41-54 Proof drilling & Piles bading		4 36-May-21	23-3tn-21	27-Mar-21	28-Apr-21	-13	0.0							-							
Piling Works	- Pier P-4G-54	2	26-Apr-21	25-May-21	22-Aug-20	18-Sep-20	-195	0.0														
3.4-3044	54 - 4G-54 Proof drilling & Piles testing	2	4 26-Apr-21	25-May-21	22-Aug-20	18-540-20	-195	0.0		_												
Piling Works	- Pier P-4J-54	6	21-An-21	30 Aug-21	11-Nov-20	28-Mby-Z1	-78	4.6														
3.4-3042	54 - Sond Hiss for 43-54 (1 n/) (aciditoria pling Hg) (EW	135) 3	6 21-Am-21	02-Aug-21	11-Nov-20	22-Dec-20	-174	4.6							-	-	_	-	_			
3.4-3046	54 - 43-54 Proof drilling & Piles testing	2	63-Aug-21	30-A.g-21	29-Ap=21	28-May-21	-78	0.0		1									-	_		-
54 - Pile Caps	, Pier / Abutment	12	36 Apr 21	20-5ep-21	19-Sep 20	22-08-22	318	45.0														
Abutment A-	4A-54	12	1 26 Apr 21	20-5ep-21	27 440 22	22-Ott-22	318	16.0														
3.4-3048	54 A4A53 ELS	1	0 36 Apr 21	87-May-25	27 May-22	08 Jun 22	318	2.6		_												
3.4-3050	54 - Experiation Down to Pormation Lavel A-4/A-54		08-Mar-21	31-868-21	09-307-22	30-30-22	118	3.6			_	-										
3.4-3052	54 - Prepare pile head (10 nm) A+6A/54	1.0	0E-0un-21	25-30-21	02-8,4-22	26-34-32	318	1.0														
3.4-3054								40						1		_	-					
	54 - Construct Abutment Base A-44-54		0 25-Am-21	30-3.4-21	27-3,422	29-Aug-22	318															2
3.4-3056	SH - Construct Abutment A-4A-54		12-146-112	20-5ep-21	30-Aug-22	22-00-22	318	6.0														_
Pler 48-54-A		5	18-346-21	17-Aug-21	26-Apr-21	26-Jun-21	-43	8.0														
3.4-3062	54 - Exawation Down to Formation Level 48:59-4		5 18-Jun-21	24-ha-21	26-Ap+21	83-May-21	-43	2.6														
3.4-3064	S4 - Prepare Pile Head (2nrs) for 48-54-A		9 25-Jun-21	06-3.4-21	04-May-21	13 May 21	-43	14														
3.4-3066	S4 - Construct Pile Cap 48-S4-A	1	8 07-Jui-21	27-34-21	14 Mby-21	04-Jun-21	-43	3.4									-	-	•			
3.4-3068	S4 - Construct Pior 48-S4-A (2 Lifts)	1	28-34-21	17-Aug-21	05-3un-21	26 Jun 21	-43	24											-			
Pler 48-54-8		,	25-Am-21	23-Aug-21	30-08-21	294010-21	105	7.6														
3.4-3072	54 - Exavation Down to Formation Level 4B 54-B		6 253an-31	12-34-21	30-04-21	15 Nov 21	105	2.0							-	_						
3.4-3074	54 - Prepare Pile Head (2nis) for 48-54-8		15-16-50	13-34-21	06-Nov-21	16-Nov-21	105	14								-						
3.4-3076	S4 - Construct Pile Cap 4B-S4-B	1	14-34-21	02-Aip-21	17-Nov-21	06-Duc-21	105	2.0														
3.4-3078	54 - Construct Pair 48-54-8 (2 UIts)		8 03-Aug-21	23-Aug-21	07-000-21	294Dic-21	105	2.6													_	
Pier 4E-S4	The second se		11-Aug-21	26-Aug-21	31-0er-21	17-lan-72	117	0.0														
						100.035		0.0													_	
3.4-3107	54 - Instali sheet pile torpile cap. 4€ 54		5 11 Aug-21	19Ag-21	31-0ec-21	10-Jen-22	117													la		1
3.4-3109	54 - Excevation down to formation level		6 20-Aug-21	26-Aug-21	11-Jan-22	17-Jan-22	117															-
Pier 4F-54		2	5 30,341-21	27-Aug-21	15-Mar-22	13-Apr-22	183	5.0														
3.4-3114	54-4F-54 ELS		4 30-34-21	03-Aug-21	15-84-22	18-Mar-22	183	1.6											-			
3.4-3115	S4 - Exavation Down to Formation Level 4F/S4	्रा	64-Aug-21	16 Aug-21	19-Mar-22	31-Mar 22	183	2.6												-		
3.4-3118	54 - Prepare Pile Head (Jnn) for 4FI54	t	0 17-Aug-21	27-Aug-21	01-Ap+22	13-Apr-22	180	2.6				f f						1		1	-	-
Current Ma	intere									Dama	UTE LIDER						De		Rovision		Checker	
Atua Yo	•	Central Kowlo	on Rout	e - Kai	Tak Eas	t (Mont	h 24 l	Upd	e) (Rev18 - CSD)	Baseline:	KTE-WP18					25	Feb>21	identity Proper			TYY TYY	DC DC
Critical Rev	naming floats					ing Pro			-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Layout: KT							Mar-21	Jubrit CSD Pr Ionthly Proper	ogorine Rov 1 mne M23	f	TWY	DC DC
- Hornareng	1100						0.0.00	30		Filter: TAS	C Tilliers: 3 N	unths Rollin	ų_1, KTE -	Submission	К.	20-	Apr-21	Submit CSID Pr	ognerne Rev 1	5	TW	D
										Page 6 of 1	0					30	Apr21	kethy Proper	114 1024		111	- 100

i D	Activity Name	Orig Dur	9.at	Fast	Late Stat	Late Firsh	Test Figat	(Day)	24 4 11 1 11 11	8 001	25	1 23 1 3	1 06 1	26 10 20 1	2/ 34	1 11 1	18 2	01 1 05	8	22
Pier 4G-54	and the second	54	26-May-21	29-3.4-21	19-Sep-20	14-Mar-22	183	8.00												
3.4-3128	54 - Prepare Pile Head (1 m) for 4G-S4	б	25-May-21	01-An-21	19-5kp-20	25-Sep-20	-195	1.00				-								
3.4-3130	S4 - Construct Pile Cap 4G-54	10	02-Jun-21	12-An-21	26-5cp-20	09-04:20	-195	3.60	4 4			•	_							
3.4-3132	54 - Construct Piler 4G-54 (4 Lifts)	38	15-An-21	29-34-21	22-3an-22	14-Har-22	183	4.00	4 4			8 8		-						
Pier 43-54		14	02-Aug-21	17-Aug-21	12-Aug-21	27-Aug-21	9	4.00												
3.4-1136	54 - Install about pile for pile cap. 43-54	B	62-Aug-21	10A.g-21	12-Aug-21	20 Aug 21	6	4.60										-		
3.4-3137	54 - Exavation down to formation level	6	11-Aug-21	17-Aug-21	21-449-21	27-Aug-21	5					1 1						-	-	
Sch_3.5 Bridge	e 57 Works	93	18 Feb 21 A	23 Jun 21	26 Mar 32	25 Mby 22	269	0.00												
57 - Piling Wo	orks	93	18-960-21 A	23-349-21	24-Mar-22	254109-22	269	0.00												
Piling Works -	- Pier P-7C	24	26-Apr-21	25-May-21	24-Mar-22	25-Apr-22	209	0.00												
3.5-3406	57 - 7CS7 Proof chilling & Pilestesting	24	26-Apr-21	25-May-21	24.148-22	25 Arr-22	269	0.00	-			-								
Filing Works F	Pier P-70	24	18-Feb-21 A	23-An-21	26-Apr-22	25-Mby-22	269	0.00												
3.5-3410	57 - 7D-S7 Proof drilling & Pika teating	24	18-500-21 A	23-Jun-21	26-Api-22	25 May-22	269	0.00												
Sch_3.6 Bridge	e S8 Works	-48	24-hn-21	19-Aup-21	12-8,422	05-5ep-22	307	0.00												
S8 - Piling Wo		48	243ar-21	19 A.g.21	12-3,422	05-Sep-22	307	6.60				1								
Filing Works -			23-36-21	19A.g.21	09-Aug-22	05-Sep-22	307	0.00	1								_			
3.6-3608	S8 - BCS8 Proof delling & Plot tasting		23-34-21	19A.p.21	09 Aug-22	05-Sep-22	307	0.00									-		_	
Piling Works -		24		22-34-21	12-30-522	08-449-22	307	0.00												
3.6-3610	58 - SD-S8 Proof drilling & Piks testing		24-0un-21	22-3.6-21	12-1.922	08-Aug-22	307	6.60												
Sch_3.7 Bridge			11-Mr 21 A		09-569-20	20 Acr 21	1.15	52.00												
S9 - Piling Wo			11-Mar 21 A		09-5cp-20	21-Jan-21	-111	13.00	-								_			
Second Contractor							-100	9.00				1 I I								
Piling Works -			11-762-21 A		16-0d-20	21-Jan-21		1.448		-										
3.7-3804	59 - Sound Piles for 98-59-1 - CSD		11-Mar-21 A		16-0d-20	22-04-20	+1.50	9.00												
3.7-3806	59 - 98 Proof drilling & Piles testing		04-May-21	01-hrs-21	22-Dec-20	21-len-21	-1.00	0.00				11 I.								
Piling Works -			26-Mar-21-A		16-0d-20	03-Dec-20	-190	4.00	1 1 1											
3.7-3809	59 - Sond Histor 9C-1 (1 m)	30	26-Mar-21 A		16-0 <b>d</b> -29	05-Nov-20	-150	4.00	-											
3.7-3810	59 - 9C Proof drilling & Piles testing	24	17-May-21	15-301-21	06-Nov-20	03-Dec-20	-150	0.00					_							
Piling Works -	- Pier P-90	24	36 Apr 21	25-May 21	24.Sep 20	23-04-20	-467	6.60												
3.7-3816	59 - 9D Proof chilling & Piles testing	24	26-Apr-21	25-Ray-21	24 Sep-20	23-Oct-20	-167	0.00			_	-								
Filing Works -	- ABUT A-4H/9E	24	26 Apr 21	25-May-21	09-549-20	08-04:20	-180	6,60												
3.7-3820	59 - 4H/SE Picol dilling & Piks testing	24	36-Apr-21	25-449-21	09-5xp-20	08-00-20	-180	0.00	•	-	_	-								
S9 - Pile Caps,	, Pier / Abutment	107	25-May-21	30-5ep-21	09-0d-20	20-Apr-21	-135	39.00												
Pier 98		66	02-Am-21	19A.ş-21	22-Jan-21	20-Apr-21	-100	8.00	1 1			1 1								
3.7-3632	59 - Install shootpile for pile cap 98	10	02-Am-21	12-3un-21	22-387-21	02-Feb-21	-100	1.00					_							
3.7-3834	59 - Excavation down to formation level C-08	11	150xm-21	25-An-21	03-Fab-21	22.66.21	-600	2.00												
3.7-3836	59 - Prepare pile head (2nn) C-90-59	10	28-3an-21	09-34-21	23-66-21	05-Mar-21	-100	1.00												
3.7-3838	59 - Construct pile cap C-9B-90	15	10-34-21	27-3,4-21	06-Mar-21	23-Mar-21	-100	2.60								-	-			
3.7-3940	59 - Construct Pier P-58-69 (2 Life)	20	28-36-21	19-A.g-21	24.Nar-21	20-Apr-21	-100	2.00									-	_	-	
	procession constraints with		A CHARGE	-18912-8		. ( 2076-054)	12.28	10.046		1			1	1		Dete	Rovis	80	Cled	ded Au
Catest Mic Actual Wol Ontwil Rom Romaning 1	k naring Mode	Central Kowloo			Tak Eas ith Rolli				18 - CSD)	Baseline: Layout: K	TE - 3 Months	M24 Rolling Progr onths Rolling		rission		to 21 Submi so 21 Submi so 21 Submi so 21 Submi so 21 Submi	CSD Programme N22 CSD Programme N22 CSD Programme N23 Programme N23 CSD Programme N24	Rev 10 Rev 17 Rev 15	71Y 71Y 71Y 71Y 71Y 71Y	0C 0C 0C 0C 0C

	Activity Name	Orig Dur Blat	Fast	Late Stat	Later Finish	Tess Filoat	TR (De	744 34	Ney 3	Jate 38		23y 17	August 20
Pier 9C		21 09-Aug-21	01-Sep-21	04-Cut-20	30-Dxo-20	+195	3,0	2 04 11 19	w et 10 23	30 06 10 20 2	- 24	11 18 25 01	10 10 22
3.7-3942	59 - Instell shedplin for pile cap 90	10 09-Aug-21	19A.p.21	04-Oec-20	15-Dec-20	-195	1.5						_
3.7-3844	S9 - Excavation down to formation level C9C	11 20-949-21	01-5ep-21	16-Dec-20	30-Dec-20	-195	2.4						-
Pier 9D		83 04-An-21	10-5ep-21	24-04-20	06-Peb-21	-171	15.0						
3.7-3852	59 - Tristall sheatpile for pile cap 90-4.	4 04-340-21	08-3/0-21	24-0xt-20	29-0:0:20	-175	1.4			-			
3.7-3854	59 - Install wheetpile for pile cap 90-8	6 09-3ap-21	15-hr-21	36-0at-20	65 Nov 20	-175	1.4			_			
3.7-3856	59 - Exavation down to formation level C-9D-A	10 09-Jun-21	21-Jun-21	12-Nov-20	23 Nov-20	-164	2.0						
3.7-3959	S9 - Excevation down to fermation level CGD-B	11 17-An-21	29-Jun-21	D6-Nov-20	LB Nov 20	475	2.4						
8.7-3860	59 - Prepare pile head (1nr) C-8D-A/S0	5 22-hn-21	26-3.0-21	24-16x-20	38-Nov-20	-164	1.6			_			
3 7-3864	59 - Construct pile cap C4D-4-59	8 28-Jun-21	07-34-21	30-14:0+20	08-Dec-20	-1.04	1.0				_		
3.7-3062	59 - Prepare pile head (1nr) C-9D-859	5 30 Aur-21	06-3.4-21	19402-20	2486220	-175	1.6						
3.7-1968	S9 - Construct Pier P-90-A-59 (2 Lifts)	20 08-34-21	30-34-21	09-Dec-20	04-Jan-21	-164	2.6					_	
3.7-3866	59 - Construct pile gap C 90-8-59	8 30-34-21	07-Aug-21	25-Nov-20	03-Dec-20	-195	1.0		in the second		111111		
1.7-3670							3.6						_
	59 - Construct Piler P-9C-8-59 (3 U/b)	29 09-Aug-21	10-Sep-21	05-3#-21	06-Peb-21	-[7]							
butment 4H,		107 26 May 21	30-5ep-21	09-04-20	11-Feb-21	-183	13.0						
3.7-3972	S9 - Install sheetplie for pile cap 4H/9E	8 25-May-21	03-Jun-21	09-0d-20	17-O#-20	-1.90	14						
3.7-3874	S9 - Exavation down to femation level A-4H/9E	13 22-kn-21	07-34-21	19-0 <b>ct</b> 20	03-Nov-20	-194	- 2.6						
3.7-3878	59 - Propare pile head (trim) C-4H(9H	14 08-30-21	23-34-21	04-Nov-20	19-Nov-20	-194	2.0						
3.7-3880	S9 - Construct Abutment Base A+4H/9E	26 24-3ui+21	23-Aug-21	20-%cv-20	19-Dac-20	+194	4.0					-	
3.7-3682	59 - Construct Abutment A-4rt/9E	32 24Aug-21	30-Sep-21	06-Jan-21	11-feb-21	-183	4.6						-
h_3.8 Bridge	e 51/59 Works	169 20 Feb 21 A	28-Sep-21	93-Jul 20	13-349-21	-90	56.0						
L/S9 - Pilling	Works	169 20-Ptb-21 A	28-5kp-21	03-3,4-20	10-Apr-21	-143	49.6						
fling Works -	Pier P-1D-8	65 12-3/6-21	25-5ep-21	30-Sep-20	17-Dec-20	-224	20,0			(1) · · · ·			
3.8-4000	S1/59 - Bared Piles for 1D-S1/59-2 (1 m) (Telescopic Casing Method)	65 12-34-21	25:5ep-21	30 Sep-20	17-Dec-20	-224	20.0						
iling Works -	Pier P-1E	73 20 Feb 21 A	25-An-21	20-34-20	10-Apr-21	-62	11.0					a (a )a	
3.8-4003	\$1/59 - Bond Pills for LE-51/59-1	38 20-Feb-21 A	31-Mar-21 A	20-3,4-20	20-34-20								
3.8-4004	\$1/59 - flored Piles for LE-51/59-2	38 12-Apr-21 A	27-4449-21	20-3.4-20	16-402-20	-224	114						
3.8-4006	S1/59 - 1E Proof drilling & Ples testing	24 28 May 21	25-hr-21	10 Mar 21	10-Apr-21	-62	0.0			-			
Aling Works -	Pier P-1F/7A	192 19-Mar-21 A	29-Sep-21	03-3,4-20	05-Dec-20	-290	12.0						
3.8-4068-4	S1/59 - Bund Pics for 15/7A S1/59-2 Part 2 (7H not found 14/4/21)	16 19 Mar 21 A	14-Apr-21 A		03-34620		0.0			1. E			
3.8-4008-6	SL/59 - Band Pies for 17/74/SL/59-2 Part 3 (8W/O134; Cont piug: RM To be	12 15-Apr-21 A	27-4p+21	03-3,4-20	05-34-20	-290							
3 8-4009-1	confirmed) S1/59 - Bured Piles for LF/7A/S1/39-1 Pat 1 (upto -63.6mPD)	85 26-40-21	23-3.4-21	05-314-20	28-Sep-20	-290	12.0	N TY			_		
3.8-4008-3	S1/59 - Band Piles for 1774 S1/59-1 Part 2	67 24-34-21	285ep21	29.5ep.20	05-Dec-20	-290	0.0			-i			
fling Works -					1.1.35.0	1944							
		59 05-Hbr21.A	03-Hey-21	06-Dec-20	L1-Dec 20	-135	5,0						
3.8-4013-5	S1/59 - Borad Price for LG-S1/59-2 (Tokscopic Casing Muthod) Part 2 (RCD constsint)	40 05/Mar/21.A			06-Doc-20	1.480	2.4						
3.8-4012-1	51/59 - Banel Piles for LG-51/59-1 (Telescopic Casing Method) Part 1 (upto -56miHD)	33 01-Apr-21 A	03-Hay-21	06-Dec-20	13-Dec-20	-135	4.0						
	aps, Pier / Abutment	51 26-hn-21	25 A.@21	12-Apr-23	15-mi-11	-62	7.0						
Ner 1E		\$1 25-Am-21	25-A.g-21	12-Apr-21	11-Jun-21	-62	7.4						
Careed Mit	then in the second s								Project ID: KTE-WP18_M24		Data		Cleded A
Atua Yos	Central Ko	wloon Rout	e - Kai T	Tak Eas	t (Monti	h 24 l	Upd	e) (Rev18 - CSD)	Baseline:		25-Feb-21 25-Feb-21	Monthly Programme M22	TYY DC TYY DC
Critical Rom	aring that				ing Prog				Layout: KTE + 3 Months Rollin Filter: TASK filters: 3 Months F		20-Max-21 31-Max-21	Monthly Programme M23	TYY DC TYY DC
					100 <del>- 1</del> 00 - 100	PARIO ()			10-10-0000000000	wing, i, NIE - Standard	20-Apr-21 90-Apr-21	Submit CSID Programme Rev 15	TYY DC TYY DC
									Page 8 of 19		-		

l.	Activity Rana	Ong Dur	8.4	Faidh	Late Stat	Late Field)	Test Flipat	TR (Dep	April 34			25			Jure 26			17		5 577	hu	6	
3.8-4036	S1/59 - Instal sheetpile for pile cap 1E	6	25-3un-21	03-3.6-21	12-4p+21	17-Apr-21	-62	1.0	1 19 25	25 04	22	16 2	30	06	12	21	- 34	11	18 20	01	(S	15	22
3.8-4038	51/59 - Excitation down to formation level C-1E-51/59	14	05-34-21	20-3.4-21	19-Ap+21	05May21	-62	2.0									-	_					
3.8-4040	S1/59 - Prepare pile head (2nrs) C-1E-S1/59	9	21-30-21	30-34-21	D6-May-21	15-Mby-21	-62	1.0											0000	-			
3.8-4042	\$1/59 - Construct pile cap C-1E-51/59	22	31-30-21	25 Aug 21	17-May-21	11-3un-21	-62	3.0												-	_	-	•
ch_3.9 Bridge	CIGRW Works	154	05-946-21 A	81-Sep-21	09-4p-21	08-Dec-21	81	10.0															
CKRW - Piling	Works	71	05-Feb 21 A	25 May 21	09-Apr-21	20-Oct-21	172	0.0															
Piling Works -	ABUT A-K1-CKRW	24	05-Feb-21 A	20-Feb-21 A	09-Apr-21	09-Apr-21		0.0															
3.9-4220	OOW - ABUT A K1 OGW Proof drilling & Piles testing	26	05 Fab 21 A	20-Fab 21 A	09-Ap+21	09-Apr-21		0.0															
Piling Works -	ABUT A-K4-CKRW	24	36-4pr-21	25-869-21	20-560-21	20-08-21	122	0.0															
3.9-4226	ORW - ABUT A+K4-ORW Poor chilling & Piles testing	24	26-Apr-21	25-Hay-21	20-Sep-21	20-0:0:21	122	0.0	-		_	-											
CKRW - Pile Ca	aps, Pier / Abutment	85	26 May 21	01-5ep-21	09-4p=21	08-Dec/21	81	10.0					1										
Abutment A-K	1-CKRW	83	25-May-21	01-Sep-21	09-Apr-21	08-Dec-21	83	10.0															
3.9-4230	CKRW - Excavation Down to Remation Lavel A-K1-CKRW	14	25-May-21	10-Jun-21	09-Ap+21	24-Apr-21	-38	2.0					-	-									
3.9-4232	ORW - Prepare pile head (4rss) ArKI-ORW	17	11-hn-21	12-14-21	16-Sep-21	07-0d-21	83	1.0	4							_							
3.9-4234	ORW - Conduct Abutment Base ArKI-ORW	10	(3.34-21	24-3.4-21	08-04-21	30-Ge-21	81	3.0									c		-				
3.9-4236	ORW - Condruct Abultment A-K1 - ORW	26	03-Aug-21	01-5ep-21	09-Nov-21	08-Dec-21	81	4.0												-		_	
ch 4.75lin Re	oad Underpass 53		OI Mar 21 A	15-Sep-21	24,449,20	20 Mpv 21	-99	29.0															
	1 (Ramp WB-W5 & Box Section Bay B1)	163	01-Mar-21 A		24-640-20	20-May-21	-49	29.0															
	pass (Ramp & Box Section Bay B1)		01-Mar-21 A	29-3.0-21	24-449-20	15-Dec-20	+152	6.0															
4-4555	53 - OW/DW instellation and pumping test			20-Mar 21 A		24 Aug 20																	
4-4558	53 - Exavation down to 0.5m below 1st walling & shut; install walling & shut			12-Apr21 A		21 Aug 20		1.0															
4-4560	53 - Exavation down to 0.5m ballow 2nd walling & strut; install walling & strut		20-Apr-2LA	11-May-21	21-Aug-20	07-540-20	-194	2.0		_													
4-4562	S3 - Example in the way in below and waining it shot of main maining in their S3 - Example in the 0.5m below 3rd waining it shot of maining it shot.		12-May-21	26-Hav-21	08-Sm-20	21-5ep-20	-2.04	2.0															
4-4563	53 - Example in our his 0.5m below 540 wiring 8 strut; install wiring 8 strut; 53 - Example in our his 0.5m below 4th weing 8 strut; install weing 8 strut;		27-May 21	09-hn-21	22-Sep-20	07-0±20	-194		1				-										
4-4564	53 - Exavation down to final formation level for Ramo							1.0					1		_								
4-4565	53 - Example of the second sec		10-Jun-21	21-Jun-21 22-Jun-21	08-0d-20 27-Nov-20	17-Oct-20 08-Dec-20	-194	1.0															
4-0567	53 - Extended eaver to 6.5m below 5m wang is sheep route many events 53 - Extended eaver to final formation level for tiok Section						-152							1.7									
	53 - Exavation down to final formation averifor Box Section		23-3.m-21	29-349-21	09-08-29	15-0(6-20																	
RC Structures		73	22-3an-21	15-5ep-21	16 Dec 20	20 May 21	-99	23.0															
	0m) Pump Sump & FS Plant Room		30-Jun-21	15-589-21	16-Dap-20	12-Mar-21	-452	7.0															
4-4366	S3-N - Conduct Sump Pump Nase slab		30-Am-21	14-3.4-21	16-000-20	31-Dio-20	-152	2.0															
44568	S3-B1 - Construct. Sump Pump wall & slab upto -1.084		15-34-21	11-Aug-21	02-Jan-21	29-lan-21	-152	5.0															
94569	S3-85 - Construct Base Stab (with Plant Room)	30	12Aug-21	15-569-21	30-301-21	124Mar-21	-152														-	-	-
									1														
Bay WS			22-3/n-21	15-649-21	11-Feb-21	20 Mby 21	-09	4.0															
6-6544	\$34//5 - Construct Dates slab		22-3xn-21	07-3.4-21	11-Feb-21	04-Mar-21	-99	2.0								-							
44548	S3-W5 - Construct Side Wall (1st pour)		08-34-21	24-3.4-21	25-Mar/21	15-Apr-21	-62	2.0															
6-45-49	S3-WS - Construct Side Well (Irrel pour)	28	14-Aug-21	15-5ep-21	16-Apr-21	20-May-21	-99				12		t l	1		1	1				1		
										1	-						Di			Rovision	3	Cleded	A
Current Mer     Actual Work     Ontwai Roma     Romaning V	Central Ko	owloo				t (Monti ing Proç			CSD)	Bas Lay	sline: aut: KTE - S	-WP18_M24 Months Rolli ers. 3 Months			mission		20-Feb-2 25-Feb-2 30-Mar 2 31-Mar 2 20-Apr 2 80-Apr 2	1 Monthi 1 Bubwit 1 Monthi 1 Subwit	LCSD Program V Programme LCSD Programme V Programme V Programme V Programme	M22 mme Rev 17 M23 mme Rev 18		71Y 71Y 71Y 71Y 71Y 71Y	00 00 00 00 00 00 00

	Activity Name	Ong Dur Stat	Failt	Late Stat	Late Fields	Tess Fligat	TRA (Day)	April 34		25			26			17		August 20	-
Bay W6		30 10-34-21	13-Aup-21	08-Mar-21	15-Apr-21	-99	4.00	11 19 1	3 02	22	16 25	30 04	12	20 27	34	11 10	25 01	(6 1	5 22
64540	S3495 - Construit Base slab	13 10-34-21	24-3,8-21	08-Mar-21	224Mar-21	-99	2.00								-	-			
11512	53-W6 - Construct Side Wall	17 26-34-21	13-Aug-21	23-Mar-21	15-Apr-21	-99	2.00										-	-	
Bay W7		31 24-An-21	30-34-21	20-Feb-21	20-May-21	-59	4.00												
4-4580	S3-W7 - Construct Base slad	13 24-340-21	15-1,6-93	20-96-21	06-Mar-21	-99	2.00							-	-				
4-4582	53-W7 - Construct Side Well	18 10-34-21	30-3.4-21	28-Apr-21	20 May-21	-58	2.00									_	-		
Bay W8		36 07-36-21	17Ag21	07-4p+21	20-May 21	-74	4.00												
4-4572	S3-WB - Construct Base data	18 07-301-21	27-3,4-21	07-Ap+21	17-Apr-21	-74	2.00									_			
9-9578	S.S-406 - Constant Side Well	18 28-34-71	17-44-0-21	28-00-21	20-May-21	-74	2.00	9 9										_	
	ning Walls and At-grade Road Works	267 19-0ao20 A	1848/021	28-3.420	01-402-22	202	87.00												
Retaining Wa		194 12-Apr-21 A	18-Nov-21	28-3.4-20	01 Aug-22	202	54.00												
RW-S1-a		7 17-Aug-21	24-Aug-21	25-34-22	11-Aug-22	273	1.00												
545000	RVFS1-a - Exavution down to formation ident +2.2/+5.0	7 17-Aug-21	24Ac-21	25-8422	01-440-22	273	1.00												
	KINSL-I-Examples down to termation lovel +2.2/+5.0		A																
RW-51	Charles and Charle	36 20-34-21	30-A.g-21	29-Jun-21	24Aug-21	-5	7.00												
Retaining W		31 - 20-36-21	11444	Liou fi.															
54-5024	RWSL - Exavition down to formation level +2.5V+4.0	10 20-34-21	30-34-21	29-Jun-21	10-34-21	-17	2.60												
545028	RWS1 - Pate Load Test and Report (P1)	5 31-34-21	05-Aug-21	26-3.4-21	30-Jul-21	5	2.00										_		
\$4-5030	RW+S1 - Construct Base Stab (Bay 12/11/10)	21 06-Rug-21	30-Aug-21	31-84-21	24-403-21	4	3.00												
RW-54		194 12-Ap-21 A	18-Nov-21	28-8.4-20	05-Mar-21	-210	23.60												
\$45130	RWSH - Examples down to formation level +3.5/+4.0 (After complete of CSB2)	7 12-Apr-21 A	04-May-21	28-3.4-20	04 Aug 20	-217	1.00	-											
5A-5138	RWS4 - Plate Load Test and Report	14 05-May-21	21-Hay-21	13-Aug-20	28-Aug-20	-210	2.00		-		-								
54-51-40	F0/FSF4 - Construct Base Stab (Bay 10/9)	14 22-May-21	07-Jun-21	29-Aug-20	14-5qp-20	-210	2.00				-	-							
54-51.42	RVH54 - Construct Base Slab (Bay 8/7)	14 09-3un-21	24-3.0-21	15-Sep-20	30-Sep-20	-210	2.00						-	-					
5A5144	RW/S4 - Caristruct Well (Bey 10/9) ind. TCS5 duct	9 08-Jun-21	18-Am-21	26 Sep-20	08-Oct-20	-200	1.00						-						
SA-5146	RW-S4 - Construct Base Sibb (Bay 6/5)	14 25-An-21	12-3.4-21	03-0d-20	19-Oct 20	-210	2.00							-	-				
5A5148	RWS4 - Canatruit Wall (Bay 8/7) ind. TCS5 duit	9 25-km-21	06-34-21	09-04-20	19-Ott 20	-205	1.60							_					
\$4-51.90	RVHS4 - Construct Base Slab (Bay 4)	7 13-34-21	20-304-21	22-04-20	30-08-20	-208	1.00												
545152	RW54 - Construct Wall (Bay 5/5) ind. TCSS dust	9 13-34-21	22-3.4-21	20-0et-20	30-08-20	-210	1.00									_	_		
545154	RW-S4 - Construct Base Slob (Bay 3)	7 25-36-21	28-3.4-21	00-Nov-20	10-Nov-20	-206	1.00									-	-		
545156	RWS4 - Construct Wall (Bay 4) ind. TCSS duct	9 23-34-21	02-Aup-21	31-04-20	10410-20	-210	1.00										-		
\$45158	RVP54 - Construit Base Side (Bay 2)	7 29-34-21	05-Aug-21	13-Nov-20	20-14020	-204	1.00										-		
54-51-60	RVF54 - Construct Well (Bey 3) incl. TCSS dust	9 03-Aug-21	12-Aug-21	11-Nov-20	20-Nov-20	-210	1.00										-		
545164	RWS4 - Construct Well (Bay 2) Incl. TCSS dust	9 13Aug-21	23Ag21	21 Nov-20	01-Dec-20	-210	1.00	f f				i i							
5A-5162	Fol/HS4 - Construct Base Side (Bay 1)	7 24Aug-21	31.4ug-21	07-Jan-21	14-Jan-21	-162	1.00												-
545168	RWS4 - Fill up to formation level	72 24-969.21	18-Nov-21	02-040-20	05-Mar-21	-210	4.00												-
RW-59		101 05-May-21	62-Sep-21	05-Aug-20	14-Dec-20	-208	23.60												
Store 1		In CORPUS		CO HOJ CO															
54-5284	RWS9 - Example down to formation level +4.3/+4.8	7 05-May-21					1.00												
343684	PARTON TRANSPORT DOWN TO TRANSPORT BYO THE SYSTEM	05130/21	1cmg-21	10-409-20	12-109-20	-217	140												
Unert Me									1.000	-					Ditr		Rovision		Checked
Atus Yo	* Central #	owloon Rout	e - Kai	Tak Eas	t (Mont	h 24 I	Jpda	18 - CSD)	Project Baselin	ID: KTE-V	WP18_M24				25-Feb-21 25-Feb-21	Submit CSD F Monthly Progr	rogearms Rev 18 rome M22		17 D
Chilai Ron	numing that				ing Proc				Layout	KTE-3N	fonths Rolling				20-Max-21 31-Max-21		tegramme Rev 17	T	
Hornanng	TYDE				3		30		Filter: 1	TASK filten	s 3 Months Ro	ling_1, KTE -	Submission,		20-4pt-21	Subret CSID P	rognerme Rev 18	T	W D
									Page 1						30-Apr 21	Monthly Progra	FTTTN 11/24	n	11 0

54-52 54-52	286 RW-S9 - Plate Load Test and Report		1.1111	in the second	and the second second	1. Constant	Transformation of	1000000	(Deg	2 24 11 12	25 (12)	22 16 23	30 06	11 22 2	04	11 18 2	5 01 08	15 2
54/53			14	13-May-21	29-May-21	13-Aug-20	28-Aug-20	-217	2.00									
	288 R09/59 - Corestnuit, Base Slab (Bay 11)		7	31-May-21	67-An-21	29-Aug-20	05-Sep-20	-217	1.00									
54-52	290 RW-59 - Construct Base Slab (Bay 10		7	08-Jun-21	16-An-21	07-Sep-20	14-549-20	-217	1.00				-					
54-52	292 RW-S9 - Construct, Base Slab (Bay 9)		у	17-3an-21	24-3un-21	15-Sep-20	22-54p-20	-217	2.00					-			1 - 1 -	
54-52	294 RW-S9 - Construct Base Slab (Bay 8)		7	25-An-21	15-6,6-60	23-9q-20	30-Sep-20	-217	2.00						-			
54-52	256 RW-50 - Corobuct Base Slab (Bay 7)		7	05-34-21	12-34-21	03-0at-20	10-Oct-20	-217	2.00						-			
54-52	258 R09-50 - Construct Base Stab (Bay 6)		7	13-30-21	20-3.4-25	12-Oct-20	19-Oct-20	-217	2.00							_		
54.53	300 ROW SQ - Construct Base Slob (Bay 5)		9	21,30(-21	30-34-21	20-04-20	30-06-20	-217	2.00							-		
54-53	302 RV459 - Construct Base Slab (Bay 4)		9	31-34-21	19-Aug-21	31-04-20	10-14020	-217	2.00								-	
54-53	304 RVFS9 - Canstruct Wall (Bay 4)		14	11-Aug-21	26-Aug-21	11-96-20	26-Nov-20	-217	2.00									
54-53	305 R39 59 - Construct Base Sieb (Bay 3)		9	11:Arg-21	20 Aug-21	1746x-20	26-Nov-20	-212	2.00				1					-
54-53	308 RV/F59 - Construct Base Sido (Bay 2)		11	21-Aug-21	02-5ep-21	62-Dec-20	14-Dec-20	-208	2.00									-
Road V	Works			19-Dec20 A		22-04-20	04-3un-21	-79	33.00									
Initial	Stage for Kai Fuk Road		28	06-Nog-21	67-5ep-21	03-May-21	04-349-21	-79	4.00									
54/550		landry (EB)		06-Aug-21	21-Aug-21	03 May 71	18 May 21	-79	2.60								-	
SA-551				23-Aug-21	87-5ep-21	20-May-21	04-Jun-21	-79	2.00								8	-
Pre-st	tage at Kai Fuk Road for KFR TTA Stage 1		138	19-Dac 28 A	15-Jun-21	22-04-20	11-Dec 20	-164	26.00									
54-551	13 BUN - KIRI(Pa-stage) - Laving Utilities	CLP / Watermain / TCSS / outting &	48	19-Dec-20 A	25-Apr-21	22-04-20	12-08-20	-104	12.00									
54-551	cables etc.				26-Apr-21 A	23-0d-20	23-04-20		6.00				1					
SASSI			30	24/mb-21 A	01-301-21	23-04-20	27-Nov-20	-144	6.00									
54:552				26-Apr-21	03-Hey-21	14-Nov-20	20-Nov-20	-126			_							
54551			18	26-May-21	16-341-21	21-162-20	11-Dec-20	-144	2.00			- 1 i i i i i i i i i i i i i i i i i i	_					
	ade Road Kai Fuk Road Westbound S012	000000000000	21	05-Feb-21 A	09-Apr-21 A	12-Dec-20	12-Dec-20		3.00									
54-554					09-Apr-21 A		12-Dec-20		3.60									
	B Re-construction of Existing Box Culve			25-30+21 A		04 Set 20	07-Feb-26	1339	0.00									
	Ivert re-construction Works				22-31/-21	04-Sap-20	07-Feb-26	1339	0.00									
	tage 1 RC Works - 2020/2021 Dry Seaso				31-Mar-21 A		07-Feb-25		0.00									
	and A																	
69-57		un al fateuroix form cell 3 B.4.			09-Feb-21 A		04-Sep-20										-	
68-57					11-R6-21 A		04500-20											
	and 2		-				11000			1			5 B					
60-57		formed to 5, the dawn	,	11-546-51.4	16-Reb-21 A	04-5-0-20	04-5ep-20											
68-57					24-Fieb 21 A		04.540-20											
60-57					09-Mar 21 A		04-5ep-20											
90757 685-57	Startis				16-Mar21 A		04-Sep-20											
68-57	Contraction of the second s				29-Mar-21 A		04-Sep-20 04-Sep-20											
68-57					31-Mar 21 A		04-Sep-20						T T					
68-57	and the second se	actoriane 1 8 2	2	30798F21.A			04-Sep-20 07-Feb-26											
1053	ow another pay serior - End		0		31-Mar-21 A		07460-25						0					1. E.
	Guest Mestore										Project (D	KTE-WP18_M24			Data		Revision	Cleded
-	Adual Wok	Central K	owloc	n Rout	e - Kai	Tak Eas	t (Monti	h 24 L	Jpd	) (Rev18 - CSD)	Baseline:				20-Feb-21 25-Feb-21	Submit CSD Progra Monthly Programme	:N22	TYY
	Ontail Remaining Weak Remaining Weak	27020000000000	1000000			th Rolli						TE - 3 Months Rolling SK filters: 3 Months R		Andre Son 1	20-Max-21 31-Max-21	Bubivit CSD Progra Monthly Propromine	M20	TYY TYY
	1999 1999 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19							001003			Filter: TAS	an relens. 3 Months H	and_1, KIE-SI	01110530/3	20-Apr-21 30-Apr-21	Subrit CSD Progra Monthly Programme	erme Rev 18	TWY TYY

	Activity Nana	Ong Du	Bat	Faidh	Lale Stat	Late Fields	Figat	(Day)			1 1	s			26			17	1011			8	_
BC- Reinstate	ement Works	140	25-lan-21 A	22-3.8-21	11-Mar-22	10-3un-22	258	0.00	18 13	4	65	16 2	2 20	06	12	70 2	34	11	18 23	01	08	16 2	-
68/5748	BC - Saddilling of C&D material between odi 4 and sheetpile wall at level	15	25-3m-21 A	13-May-21	11-Mar-22	28-Mar-22	261		-	-													
68-5770	+4.0xPO BC - Removal of u channel at both end and final deaning for cell 3 & 4		30-Mar-21 A	07-Apr-21 K	28-Mar-22	28-Mar-22																	
68-5772	BC - Removal of buildhaid wall at both end and final dearing for call 1 & 2	16	30-Mar 21 A	14-Apr-21 A	28-Mar-22	28-Har-22																	
68-5774	BC - Reinstate the opening (tranging formwork) for call 3 & 4		26-Apr-21	03-Hay-21	28-Mar-22	02-Apr-22	275		_	-													
685776	BC - Reinstate the opening (hanging formwork) for call 1 & 2		26 Apr 31	(3-Her-21	28-Mar-22	62-Ace-22	275		-	1													
68.5778	BC - Removal all hanging formwork inside the box ouvert cell 1,2, 3 & 4 (by		04-May-21	14-Ray-21	04-Apr-22	19-Apr-22	275			-	1												
68/5766	<ul> <li>BC - Saddiling of CED material between cell 1 and sheeple wall at level</li> </ul>		14 May 21	01-Jun-21		19-40-22	261																
	+4.0mPO		02-349-21		29-Mar-22 29-Mar-22	19700723 04-Max-23					1. 1												
645-5780	BC - Removal of sheetple wall			16-349-31			263						-										
68+5782	BC - Reinstate hard paving and related UU	13	17-3up-21	30-3.81-21	05-May-22	19-May-22	261								-								
60/5784	BC - Reinstate planter will in DSD compound	13	02-34-21	15-34-21	20-May-22	02-Jun-22	263										-						
68-5786	BC - Transplant 5 nos of tree in DSD compound	3	02-34+21	05-34-21	31-Moy-22	02-3un-22	270										-						
68-5788	BC - Retristats fending in DSD compound	6	16-34-21	22-3,4-21	04-Jun-22	10-Jun-22	261											-	-				
68-5790	BC - Complete reconstruction of Box Culvert	6		22-3.4-21		10-3un-22	258												٠				
ection 3 - V	Vang Kwong Road Junction Improvement Works	241	24 km 20 A	30 April 1	08/66/85	105025	-57	19.60															
CH_SD Wars	g Kwong Road Junction Improvement Works	224	24-km-28A	30-40+21	11-Feb-21	16-Feb-21	-57	15.00															
TTM Stage 2	a-2b (WKR/LHS Junction - Kellett School)		25 Mar 21 A	29-Mar21 A	36-Feb-21	16-Feb-21		0.00															
5-5979	WRR-Stage2-1 - Temporary traffic light setting up (UHS)		25-198-21 A	29-Mar-21 A	16-P80-21	10-Pep-21																	
	: (WKR/KCR Junction - Kellett School)		18-Mar-21 A	18-Mar-21 A	16-66-21	16-Rep-21		0.60															
\$2-60%4	WRR-Stage2c - Completion of TTA Stage 2c			18-Mar 21 A		16-feb-21																	
		27.4	24.2	19-Apr2LA	36-Feb-21	16-Feb-21		2.50					_										
CONTRACTOR NO.	(WKR/LHS Junction - Bus Depot) [CE-0033]																						
50-6072	WKR/stage3 - Road Ruinstatement and block pairing		24-Jun-20 A			16-Peb-21		1.00															
SD-6068	WitR-Stage3 - Traffic light installation		Participanto -	19-Apr-21 A		16-Feb-21		0.50												12			
SD-6674	WIR-Stage3 - Reling installation	5	25-Aug-20 A	19-Apr-21 A	16 Feb-21	16-Feb 21		1.00															
SD-6075	WIR-Stage3 - Completion of TTA Stage 3	(		19-Apr-21 A		16-Feb-21			•														
TTM Stage 5	(WKR / KCR Junction)	100	14-Dac20 A	23-Apr-21 A	11-Feb-21	11-Feb-21		0.50					-										
50+6164	WKR-Stage5 - Traffic light installation (Viating EMSD impection by early of	(	14-040-20 A	23-Apr-21 A	31-969-21	11-Feb-21		0.50															
50-6166	WRR-Stage5 - Completion of TTA Stage 5			23-Apr-21 A		11-Feb 21																	
TTM Stage 6	(Pavement Resurfacing and reinstatement works)	-41	06-189-21 A	30-Apr-21	16-Feb-21	16-Feb-21	-57	12.00															
50-6171	WitR-Stage6 - Control pilar box relocation (5 Mar 2021, by EMSD)	6		05-Mar-21 A		16-Feb-21																	
\$0-6170-9	(NEE 2000) WRR-stages - Pavement resultacing for WRRIDHS Junction Zone 9	1	07-Mar-21 A	08-Mar-21 A	36-P(0-21	16-Feb-21		1.00					-										
50-6170-10	WRR-Stage6 - Povement resurfacing for WKR/LHS Junction Zone 10		09-Mar-21.A			16-feb-21		1.00															
50617041	WBR-Stage6 - Pevenent resultance for WKR1-15 Junction Zone 11			25 Mar 21 A	16-Feb-21	16-feb-21		1.00															
50-6170-12	WRR-Stage6 - Perement resultang for WRRL1-IS Junction Zone 5			25-Mar 21 A		16-Feb-21		1.00															
								1/00	_														
50-6170-14	WitPiStage6 - Road pavement & road marking for remaining area			29-Apr-21 A		16-Feb-21			et i de		100		-										
50-6170-13	WKR-Staged - EHSD laying signal cables & Traffic Light system (CE-195)		12-Apr-21 A	24-Apr-21 A	16-Peb-21	16-Feb-21																	
50-6176	WIR Stope6 - Remaining leats; cross road drop leats installation; Final Trepettor; final completion works	6	25 Apr 21 A	30-Apr-21	16 Feb-21	16-Feb-21	-73	8.00	_														
\$0-6128	WRPEStage6 - Completion of TTA Stage &	6		30-Apr-21		16-Feb-21	-73			•			t l										
1																				ovision		Chevron	TE
Current Ma					- L E -							WP18_M24					20496-2	1 Dubr	t CSD Program	me Rev 18			DC
Chiui Ro	Turing Wate	Owlo							D)	Base		Months Roll	ng Program	me			25-Feb-2 20-May 2	1 Buby	ly Propurate I L CSD Propur	me Rev 17		TYY	DC DC
Romaning	Wea		The	ree Mon	th Rolli	ing Prog	gramn	ne				rs. 3 Months			rission.		31-Mar 2 20-Apr-2	1 Month	lyProprime I CSID Program	A20			DC DC
																	30-7672		ty Proparate I				DC.

	Az in by Name	Ong Dur Bla		Late Stat	Late Firsh	Test Flipat	1.000	24 14 11 19	3	02 [H	28	1 25 1	30 0	26 1	22	2/ 1	34	11 1	1 2	01 1	700- 70	15	22 1
SD-6180	Completion of Section 3	0	30-Apr-21		16-Feb-21	-73			•						1								
th_8 WKR + S	Soft Landscape Works	12 25-Apr	ILA 29-Apr-21	08-645-21	11466-23	-56	4.0																
6126	LS - Soft Landszeping works for Wang Kwong Road Junction Entprovement	12 26-Apr	29-Apr-21	08-Feb-21	11-Feb-21	-56	4.68	-	-														
ction 4 - Es	stablishment Works for Landscape Softworks under	365 01.44	31 3046632	17460233	In-hip-si	-74	0.00																
th_8 Establis	shment Works	365 01-Ha	21 30-Apr-22	37-Feb-21	16-Feb-22	-73	0.0																
6128	54 - Establishment Works für Landwape Softworks under Setton 3	365 01-Ma	21 30 Apr 22	17-Feb-21	16-Feb-22	-73	6.0		-	-	-	-		-	-	-	-	-	-	-	-	-	-
ction 8 - Ve	entilation and EBM adit and Ring Road Underpass	190 JO-Br	1 A 10 Sep 21	0344623	38-0625	32	73.0																
ch_6A Ventile	ation and E&M Adit Works	177 24 Feb	11 A 30 5ep 21	03-Mar-21	02-08-21	3	38.0																
wea Part 1D1	1, 103, 181 & 182	177 24-946	11 A 30-5ep-21	03-Mar-21	02-08-21	1	38.0																
VA - ELS Work	ts .	43 24-Feb	1A 08-May-21	03-Mar-21	15468-21	-12	6.0																
VA - ELS Star	or 1	41 24 mm		13 Fee - 21	15-898-25																		
64-6540	VX - Exavation Down to 5th walling & Stud; Install walling & Sout; 1818/182	20 24 Feb	1A 26-Mar-21	A 03-Mar-21	03-Mar-21		2.0																
64-6542	VA - Expandion Down to Final Formation Lavel, 1818/182		11 A 13-Apr-21				2.0						-										
64-6542A	VA - ELS design review; rock replacement works (PM5-800)		LA 08-Nav-21		15-Ma-21	-02			_														
A - RC Struct			11 A 30-5ep 21			-	26.0																
	- Bay B3 (2ws)		IR SUSPI				~ 0																
54-6554	VABJ - Compruct RC Walls & Top Slab	18 02/49	24 Mar 21	10 AUG 21	10 Aug 21		2.0						1.1						_				
			UL DIMOST	(1993441)			- 19																
64-6562	VAB4 - Conduct Base Slab	18 04-34			22-9(#21	22							-		-								
64-6564	VA-04 Construct RC Walls & Nicklie Stab	25 25-Aa	21 26-3.4-21	23-3.4-21	20-Aug-21	22	2.0									-		-					
54-6566	VA-B1 - Construct RE Wells & Top Stab	21 27-34	21 19Aug-21	23-Aug-21	14-Sep-21	22	2.00												-		- 1		
A Sections	- Bay 85 (14.5m)	10 12-14	21 16 50 41	28-140-21			1																
64-6568	VM-85 - Construct Base Slab	21 10-Ma	21 03-Jun-21	16-Mar-21	13-Apr-21	-42	3,00			-			-										
64-6570	VA-85 - Construct RC Wells & Middle Stab	25 04-Ju	21 05-34-21	14-40+21	13 May 21	-42	2.0						-	-	-	_	6						
646571	VA-85 - Biddfilling to strik L3/L4/L5	50 06-Ju	21 01-Sep-21	20-Mby-21	19-34-21	-38											-	-	_	-	-	-	-
VA Sections	- Bay 96 (~14m)	1.00	11 06-6-5-23	14195211	10 salat	- 42	10																
64-6574	VN-86 - Construct Base Sab	23 06-30	21 31-34-21	14-May-21	10-319-21	-42	3.0										-	-	-				
64-6576	VA-86 - Construct RC Wells & Middle Slab	31 02-Au	21 06-5ep 21	\$1-Jun-21	10-34-21	-42	2.00			-										-		-	_
VA Sections	- Bary 87 (23.3m) ordermath ling Raad 87		1 30 50	13-445-71	11011		10																
64-6598	VA87 - Construct Bass Slab	24 04-Ju	21 03-34-21	15-Ap+21	13-Mby-21	-41	3.0						-	_	_	_							
65-6600	W487- Construct RC Walks & Middle Sale	30 05-34			09-Aug-21	1	2.0										-	_	_				
64-6602	VA-B7 - Construct RC Welk & Top Sieb (Include RR B11 bese sieb)	45 09-Au		10-Aug-21	02-08-21	1											-				_		_
A - Miscellan		68 25 Mar			1.000	67	1.053																
	neous Miscrillaterus warfis		19-30-21																				
646601						-	2.0				_												
	VA - Movement Joint / Waterstofing, Stage 1	32 25/6a				87																	
64-6606	VA - Baddling up to GL with additional concrete bik end wall, Stage 1	39 26-Ap				87									t i								
64-6607	VA - Haul Road preparation & diversion, stage 1 (end May 2021)	6 12-Ju				87																	
h_4.1 Ring F	Road Underpass	367 30-be-	1 A 23 Ac 21	02-8,4-21	28-Ge-21	54	33.0																
-									1								Dite		n.	vision		Cheded	TA
Current Mile		owloon P.	uto . Kai	Tak East	et (Mont	h 24	IInd	e) (Rev18 - CSD)		hoject (D: Ki laseline:	TE-WP18	M24					0-Reb-21 5-Reb-21		50 Programme Mil	te Rev 18		TYY	DC DC
Citikal Rom	unig the Central Ki		Three Mo					(1.8010-030)	1	ayout KTE						1	0-Max-21 11-Max-21	Bubint	SD Programme Ma	e Rev 17		TYY TWY	00
Romaning 1	Wiek		and and			9.0010			1	Bler: TASK	ilters: 3 Mc	anths Rollin	g_1, KTE	Submissi	20.	12	1)-Apr-21	Submit C	SD Programm	n Rev 15		TVY	DC
									18	age 13 of 19	2					3	KI-Apr 21	Monthly?	hoparme Ma	29		m	DC

	Arbity Nation	Ong Dur	9.M	Faiat	Lule Stat	Late Fizial)	Test Flipat	(Day)	9 3	1 02	1 25	6 25	1 30 1	26	1 20 1	2/ 1	34 1	17 18	12	01 1	8	1 22
R - Part 1D	1, 1D2, 1D3, 1D4, 1B1 & 1B2	167	30-lan-21 A	23-Aup-21	02-3.9-21	28-00-21	54	33.00								-						
R - ELS Wor	ika	167	30-Jan-21 A	23Aug-21	02-3.421	28-02/21	54	30.00														
riit - 115 97a	ilic 3		1010101014	11/02/14	123.0424	0.001													1			
4-6725	RR - Examples Down to 4th walling & Stort; Install walling & Stort; 101-104	24	30-301-21 A	12-Mar21 A	92-3,4-21	02-34-21		4.00					1 1									
4-6726	RR - Excavation Down to Final Pormation Lavel, 1D1-1D4	12	13-Mar-21 A	20-Mar-21 A	02-3,4-21	15-iuf-50		2.00														
4-6726A	RR - ELS design review, rock replacement works (PMI-600)	12	22-Mar 21 A	12-Apr-21 A	62-8.421	02-34-21		2.60														
INI - ELS Sta	gr.4	105	IN THE REAL PROPERTY.	74-196.00	DOM:NOT	11.8016		114					1									
46874	RR - Instali Coffeetam - Stage 4	33	03 Mar 21 A	08-May 21 A	02-3.4-21	02-Jui-21		3.00	_	-	ê î		i i									
4-6876	RR - Expension Down to 1st waling & Strut; Install waling & Strut, 101-104	14	26-Apr-21	12-May-21	02-8,4-21	17-34-21	54	2.00		_	-											
4-6878	RR - Examplen Down to 2nd walking & Strut; Install walking & Strut; 1DE-LD4	24	13-May-21	10-3.47-21	19-34-21	14-Aug-21	54	4.00			-	- telle		-								
4-6580	BR - Examples Down to Final Formation Level, IDL-ID4	15	11-3an-21	30-Jun-21	14-Sep-21	04-08:21	75	2.00					1	1	-							
HR - ELS Sta	ur5		1234933	-	17 4 4 23	160221	58	11.07														
4-6728	RR - Install Coffedam - Stape 5	22	12-Am-21	09-34-21	17-Aug-21	10.Sep-21	54	3.00						-	_		_					
4-6732	RR - Exavation Down to 1.st walking & Strut; Treball walking & Strut; 1818/LB2	17	10-34-21	29-3.4-21	\$1-5ep-21	02-04-21	54	4.00											-			
4-6734	RR - Excevation Down to Final Formation Lavel, 1818/182	21	30-36-21	23 Aug-21	04-04-21	28-04-21	54	4.00											-	_		
R - Box Sec	tions, Pump Sump & FS Plant Room	64	13-Mm21 A	15-Jun-21	30-1.4-21	15-Sep-21	78	3.00														
OB Gay BJ	(66113 C340+1532.3 to 0+233.6) (pk gmdin) (8601)		11127171	10.00.01	10 A.4.23	11540-01																
4-6774	FR-HUL - Construct Sump Pump likes dab	26	13-M#-21 A	28-001-21	30-8.4-21	02-403-21	78	3.00	-													
4-6775	RR-RUI - Construct Side wall / Internal wall		29-Apr-21	15-340-21	03-Aug-21	15/Sqp-21	78					_		_								
	Footbridge, E&M Installation and Miscellaneous Wc	5717	07-be-21 A	28.4 - 11	711-8.4.20	22-04-0-21		116.00														
	sin Span, Staricase A & B	-	07-301-21 A	30-46+21	20-3,420	11-0ec-20	-107	104:00														
STATISTICS IN CASE	nts, Pilecaps & Piers		25-Jan-21 A		28-3,4-20	11-Dec-20	-105	18.00														
B - KITEC P			26-bm-21 A		07-Dec-20	11-Dec-20	-105	9.00														
ABUT A-SAT				27 Auril									1									
7-7100	ASN -Bodfling			27-Apr-21			-107	0.00														
THUR P SAL	NOV. DOMENT		2010121	2/10/21	07-06-20	08-106-20	-107	0.00	-													
7-7092						(9-Dec-2)		0.00														
	P-SAI - Bachling			29-347-21 A		09-046-20		0.00														
	d Filler Bris (NTE- 198-644)					1.00																
7-7069	FB - Piller Box RC Structures (KTE_PII-04A) (0E-0128)			11-Feb-21 A		11-Dec-20		3.60														
7-7067	PB - Sump pt for Lift A (0E-0127)			22-Rtb 21 A		11-0xc20		6.00														
7-7071	PB - Fillar Box 88M works			25-Mar-21 A		11-Dio-20																
7-7073	FB - CLP Power energization (17 Mar)		25-Mar-21 A		11-Dec-20																	
PB - Main Spa				25-Mar 21 A		11-Dec-20		9.00														
ABUT & SD2																						
7/7116	A-682 - Backfilling	2	01-F60-21 A	03-Fib-21 A	28-3.4-29	28-34-20		0.00														
Sking Rean	d Miler Bux (K72-79-040)												F - F									
7-7087	PB - Sump pit for Lift B (CE-01.27)	18	25-lan-21 A	10 Feb 21 A	51-Dec-20	11-Dec-20		6.00														
7-7089	FB - Pilar Rox RC Strattures (KTE-PB-040) (CE-0128)	15	01-Feb-21 A	09-Feb-21 A	11-Dec-20	11-Dec-20		3.00														
																_	Dite		Rové	80	1.0	Teded A
Current Mi		aude -	n Devi	e Keil	Tak East	+ (Marth		Ind		Project	D: KTE-W	18_M24					0460-21 5-545-21	Dubret CS	Programme O Programme Ogramme M22	Rev 10	10	00
Citikal Rov	Central K	OWIOC				ing Prog				Layou	KTE - 3 M	nths Rolling					0-Alar-21	Bubwit CS	D Programme	Rev 17	Tri Tri	00
Romaning	Work		10	ee mon	ai Rolli	ing Frog	h an n	ne				3 Months Ro			tion.	12	11-Mar-21 13-Apr-21	Subret CS	opornne M20 D Programme	Rev 15	715	0
																	0-Apr21		oparme M24		100	00

	Activity Name	01	Dur Stat	Failth	Lule Stat	Late Finish	Test Float	(Day)		Apr 34				25			74 26	10000		-	T.			Nugasi	1000
7-7091	PB - Pillar Box EBM works		17 25-940-21	A 25-Mar-21 A	11-000-20	11-Dec-20			22 04	11	18	3 0	25	15	23	50 OE	12	22	21 3	4 11	18	20	01 (6	15	22
7-7097	FB - OJP Power-energization (CEWN-0122)		0	25-Mar-21 A		11-Dec-20									-1-										
						09-Dec-20																			
B - Superst				A 20-Mar21 A				6,00																	
FB - Staircas				A 20-M#21 A		09-Dec-20		6.00							10										
7-7130	SA - Construct Palsawork, and Parmwork		8 30-3a1-21	A 08-Rds-21 A	09-Dec-20	09-Dec-20		1.00																	
7/7131	SA · Install lootbridge boarings		6 09-Feb 21	A 22-Fib-21 A	89-Dac-25	09-Dec-20		1.00																	
7-7132	SA - Construct the Staintane A		24 23-Feb-21	A 10-Mar-21 A	09-Dec-20	09-Dec-20		4.00			1														
7-7134	SA - Remove Falsework and Formwork		9 11-Mar21	A 20-Mar 21 A	09-Dec 20	09-Dec-20		0.00			1														
B-EBM and	Lift Installation		86 25-381-21	A 23-001-21 A	09-066-20	11-Dec-20		48.00																	
FB - LIR A			78 25-341-21	A 22-April A	11-Dat-20	11-000-20		24.00							- 11										
7-7142-1	LA-Lift works. Installation		54 25-lan-21	A 15-10-10 A	11-Dec-20	11-Dec-20		6.00	-																
7-7142-2	LA - MVAC installation		24 01-Feb-21	A 25-Mar-21 A	11-Dec-20	11-Dec-20		6.00																	
7-7142-3	LA - Bisteliai norka		30 04-566-21	A 25-Mar-21 A	11-000-20	11-Dec-20		6.00																	
7-7142-4	LA - Lighting installation		24 25-946-21	A 25-Har2LA	11-Dec-20	11-Dec-20		6.00																	
7-7144	LA - Testing and Commissioning of Life			A 13 Apr 21 A		11-Dec-20		0.00																	
7-7146	LA - Submit LES to EMSD		0 14-Apr-21	A	11-0ec-20																				
7.7148	LA - Inget by EMSD			A 22-Apr-21 A		11-Dec 20		0.00		-															
7-7150	LA - Form 6 Approved by EMSD			22-001-21 A		11-045-20																			
	CA - FORT & Approvacity ENSU		0	1.000		s ee sterey.					1 🗇				- 11										
FB - LIR B				A 22-Apr-21 A		05cm0+11		24.00																	
7-7152-1	LB - Lift works Installation			A 01-Apr21 A		11-Dec-20		6.00																	
7-7152-2	LB - MVAC installation		24 28-381-21	A 25-Mar2l A	31-Dec-20	11-Dec-20		6.00																	
7-7152-3	LB - Electrical morks		30 01-10-21	A 25-Mar-21 A	31-Dec-20	11-Dec-20		6.00																	
7-7152-4	EB - Lighting installation		24 11-Feb-21	A 25-Mar-21 A	11-Dec-20	11-Dec-20		6.00																	
7-7154	LB - Testing and Commissioning of Lift		6 07-Apr-21	A 13-Apr21 A	11-Dec-20	11-Dec 20		0.00																	
7-7156	LB - Submit LES to GMSD		0 14Apr21	Α.	11-Dec-20																				
7-7158	LB - Inspect by EM5D		8 14-Apr-21	A 22-Apr-21 A	11-Date-20	11-Dec 20		0.00		-	-														
7-7160	LB - Form 6 Approved by EMSD		0	22-Apr-21 A		11-Dec-20																			
	orks		48 02-Feb 21	A 17-Apr 21 A	09-Dec-20	09-Dec-20		0.00																	
7-7162	FB - E&M Works - Main span and Stanzage A &	8	48 02-Feb-21	A 17-Apr-21 A	09-Dec-20	09-Dec-20		0.00	_	_					- 11										
B - Miscellar	neous Works		88 07-Jan-21	A 30-4pr-21	07-Dao-20	11-Dec-20	-107	32.60																	
7-7164	PB - Roof Installation - Main Scan		57 07-340-21	A 10-Apr-21 A	07-00-20	0.7-046-20		4.00																	
7-7171	FB - Inligation system for Main Span			A 10-Apr-21 A		09-Dec-20		5.00					_												
77165	FB - Hoof Installation - Stainage A & B			A 10-Apr21 A		09-Dec-20		4.00			i I														
7-7168	FB - Finishing Works - Main Span and Steinase	46.9		A 28-April A		11-Dec-20		4.00	1.1		1.1				1										
								10000		1															
7/7120	FB - Drainage Works - Main Span and Stansas	in a proteinp pro		A 17-Apr-21 A		09-Dac20		0.00		1															
7-7167	PB - Lighting installation			A 17-Apr-21 A		09-Dec-20		6.60			110														
7-7174	FB - Final completion works - Main Span and S			A 30-4p+21		11-Dec-20	-107	0.00	-			-													
-7175	FB - HyD/AHMIN Final checking and inspection		4 31-Mar-21	A 03-Apr-21 A	11-Dec-20	11-Dec-20								1	1				<u></u>	1					
Current M	licitive											Der	er D FT	E-WP18_M2						Diti		Rovisio		0	Neded A
Aturitie	ok.	Central Kow	loon Roi	te - Kai	Tak Eas	t (Mont	h 24 U	Jpdat	) (Rev1	8 - CS	SD)	Ba	eline:						25-F	dožt I	lority Prop			TYY	
Citilui Ro	envening Wook	970000000000000000000000000000000000000		hree Mor										3 Months R			-			ter-21 1	konthly Propr	hogorine R smite M23	Sec. 1	TYY TYY	00
	0.000						CON 869					Fill	er: TASK fi	ters: 3 Mont	ns Holling	_1, KIE - \$	uomission		20-4	pr-21 1	kentry hope	hogaerrae R	rv 18	111	
												1.222	e 15 of 19						204	profit.	and a short of the	and the strength		1.11	

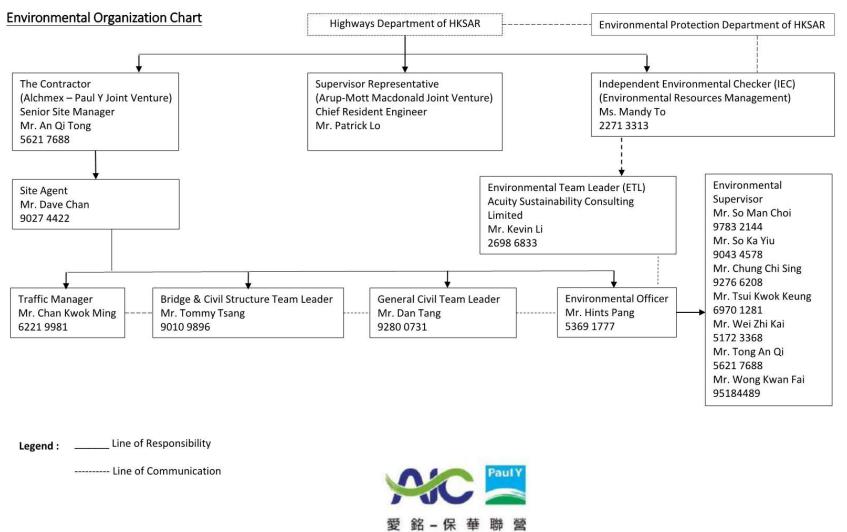
D	Activity Nama	Ong Dur	Sat	Fash	Late Stat	Late Finish	Test Flipt	(Des)		25	26	17	26
7-7172	FB - Balustrade Installation - Main Span and Stainase A & B	6	11-Apr-21 A	16-Apr-21 A	09-Dec-20	09-000-20		3.00	2 04 11 19	5 02 25 16	25 27 06 10 23	27 34 11 18 25 01	.8 15 22
7-7165	FB - Lightning pertection system			14-Apr-21 A		074Dec-20		6.00					
7-7169	FB - Gateg and Godding Installation				07-Dec-20	11-Dec-20	-107						
7-7125	PB - Nan Britise Campleton (Open to Public)		12-Apr-21 A		47.06.20	11-040-20							
		D		30-Apr-21			-140						
	on Exisiting Subway KS-20		24-A.n-31	28-Aug-21	19-00-29	23468-25	-129	12.60					
	or Demolition Works		24.ha-21	25A.p21	19-Care-20	0144e-21	-144	7.00					
7-7300	TTA - Stage 1 (After Footbildge open to public)		24-Jun-21		19-Dec-20		-[44						
7-7302	KS20 - Trial pits / Survery	6	24-Jun-21	30-Jun-21	19-Dec 20	28-Dec-20	-2.64	6.00					
7-7304	KS20 - Erect Hoarding endose the Works Area	14	02-34-21	17-3.4-21	11-Jan-21	26-Jan-21	-134	2.00					
7-7305	KS20 - UU detuction / Trial hole / Utilities drivension / Protuction of Existing Utilities	30	02-34+21	05-Aug-21	29-Dec-20	02-Feb-21	-1.44	0.00					
7-7308	KS20 - Decommissioning existing services (u/g pump rooms)	6	19-34-21	24-34-21	27-Jan-23	02-feb-21	-134	0.00					
7-7310	KS20 - Install sheetpile along Kai Fuk Road Ramp (WB)	11	06-Aug-21	18-Aug-21	03-Feb-21	22-Feb-21	-144	2.00					_
7-7312	KS20 - Install sheetpile along subway	6	19-Aug-21	25-Aug-21	23-Ftb-21	01-Mar-21	-1.04	3.00					-
KS-20 - Demo	olistion / Filling Works	20	06-Aug-21	28-Auj-21	27-Peb-21	224Mar-21	-129	5.00					
Kai Fuk Road	(WB)	20	06-Aug-21	28 Aug-21	27-Feb-21	22-Mar-21	-129	5.00					
7-7324	RS20 - Bridwork wall for Subway	14	05-Aug-21	21-Aug-21	27-Feb-21	15-Mar-21	-129	2.60					_
7.7326	KS20 - Foamed asnersta infil / Non-shrink grout	Б	23-Aug-21	28-Aug-21	36 Mar 21	22-Mar-21	-129	3.00					-
iection 11 - 1	Structure of Bridge CKRE	100	02-H8-21 A	040641	201449-20	04-309-25	-100	13.00					
Sch 2 CKRE-I		12	27-May-21	09-349-21	27-04-20	05-4045-00	+1.57	4.00					
2-7410	ORUE - Pre-chilling over Kai Tak River for KS-ORE-2 (1 m)		27-May-21	02-Jun-21	27-0d-20	02-Nov-20	-167	2.00					
2-7412	ORRE - Fre-driling over Kai Tak River for KS-ORRE-1 (1 nr)		03-3an-21	09-3un-21	03-1429-20	09-Nov-20	-167	2.00					
	ge CIRE Works		02-Pub 21 A		20-449-20	04-319-21	-100	19.00					
Contraction of the second			02-Feb-21 A			10-Apr-21	-145	8.00					
CKRE - Piling					20-Aug-20		-540						
	- ABUT A-K1-CKRE			22-Feb 21 A		02-Mar-21		0.00					
3.10-7504	ORE - JOUT AHL-ORE Proof drilling & Plesteding			22-Feb 21 A		02-Mar-21		0.00					
	- Pier P-K5-CKRE		21-Aug-21	04-04-21	22-Jan-21	11-Mar-21	-167	4.00					
3.10-7505	ORE - fixed Ples for K3-ORE-1 (1 m)	36	21-909-21	04-04-21	22-Jan-21	11-44#-21	-167	4.00					
Piling Works -	- ABUT A-K4-CKRE	60	36 Apr-21	06-3.4-21	28-Aug-20	10-Apr-21	-72	4.60					
3.10-7524	ORE - lioned Ples for ABUT A+R4-ORE-2 (1 nr)	36	26-Apr-21	60-Jun-21	20-449-20	30-Sep-20	-197	4.00	-				
3.10-7526	OGIE - ABUT A-KI4-ORE Proof drilling & Plestading	24	02-Jun-21	08-346-21	38-Mar-21	10-Apr-21	-72	6.00			_		
CKRE - Pile Ca	aps, Pier / Abutment	76	24-349-21	21-5ep-21	02-Mar-21	04-Jun-21	-41	11.00					
Abutment A-M	K1-CKRE	76	24-Am-21	21-5ep-21	02-Mar-21	04-3un-21	-91	11.00					
3.10-7530	ORE - Exervation Down to Formation Level AH1-ORE	14	24-Jun-21	10-34-21	02-Mar-21	17-Mar-21	-91	2.00					
3.10-7532	ORE - Prepare pile head (4nes) AKI-ORE	20	12-346-21	03-Aug-21	18-Mar-21	14-Apr-21	-91	4.00				(Common and Common and Commo	
3.10-7534	ORE - Construct Abutment Base A4CI-CKRE	16	04-%sg-21	21.Aug-21	15-Ap+21	D9May21	-91	1.60					_
3.10-7536	ORE - Construct Abutment A+K1-OR8[	26	23-Aug-21	21-5ep-21	05-May-21	04-3un-21	-91	4.00					-
iection 12 - I	Underpass S21	201	31-00201A	1160-11	20 Aug 20	0746535	1100	-177/00					
	Load Underpass 521	263	23-De-20 A	11-5-9-21	22-Aug-20	074eb-25	1294	57.80					
Current Mit	trive								100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	Project ID: KTE-WP18 M2	M	Data Rovidor	Checked Drive Do
Atua Yos	* Central K	(owloc			Tak Eas th Rolli				(Rev18 - CSD)	Baseline: Layout: KTE - 3 Months Ri		25-Fids21 Buhmt CSD Programme Rev 18 25-Fids21 Munhly/Programme M22 20-Mar 21 Munhly/Programme Rev 17 37-Mar 21 Munhly/Programme M20 20-Jigr 21 Subart CSD Programme Rev 18 35-Apr 21 Munhly Programme Rev 18	111 D

)	Arin'ny Nana	Ong Da	r Slat	Fixed	Lule Stat	Late Fields	Test Fligat	(Day)	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1 100 1	8		1 10 1 2	1		1	1	1 10 10	* * *
S21 - ELS Wo	ris	71	25-Peb-21 A	25-May-21	22-449-20	07-Feb-25	1387	13.00	4 14 11 18 3	2 44	et 10	23 28	00 1	2 22	21 94	11 18	2 0	LS .	15 22
S21 - Box Sex	ction (CH143.981 to CH205.700)	. 71	25-Feb 21 A	25-May-21	22-Aug-20	18-Sep-20	-195	8.00											
4-7941	S21 - Excention down to 1st walking & stut; Install walking & stut (Stage 2	i) š	25-Feb-21 A	24 Mar 21 A	22-Aug-20	22-Aug-20		2.00	5-4										
4-7943	S21 - Exclusion Down to 2nd walking & Study Install walking & Stud (Stack	(2) 15	5 25-Mar-21 A	13-Apr-21 A	22-449-20	22 Aug-20		2.00											
4-7545	S21 - Excavation Down to 3rd waing & Strut; Tretail waing & Strut (Stage	2) 13	14-Apr-21.A	11-Hay-21	22-Aug-20	05-Sep-20	-195	2.00		_									
4-7547	521 - Excavition Down to Final Formation Level (Stage 2)		12-May-21	25-Hay-21	87-5ep-20	18-5ep-20	-195	2.60			_						-		
	gh Sections - North (CH205,700 to CH321.110)		25-Feb-21 A	04-199-21	30-Sep-20	07-feb-26	1404	5.00											
4.7936	S21 - Excavation Down to 2nd waing & Stut; Instal waing & Stut (Sey )		25 Feb 21 A			30 Sep 20	2.004	3.00											
4-49400	to 3-1 S21 - Formation replacement (lay 3-4)		15-Mar-21 A			07-640-26													
									1 1 1 1										
4-7940	S21 - Excention Down to Rical Formation Level (Bay 3-2 to 3-4)		8 154%ar/21.A		30-Sap-20	05-0:0-20	+162	2.00		1									
4-7935	S21 - Piate load test (P4) (at Bay 3-2)		29 Apr 21	04-May-21	05-08-20	09-08:20	-162			_									
S21 - RC Stru	idure	263	21-00-20 A	13-Sep-21	06-0 <b>a</b> -20	23 Aug-21	-18	34.00											
S21 - U-Trous	gh Sections - South (CH000 to CH143.981)	196	21-00-20 A	25-Jun-21	24-Rdb-21	23 Aug-21	99	6.00											
521 - Key 83	1 A - U Yrongh Tgyn III (CH143.581 to 518)		2576001.8		10164-21	26-5(+2)													
4-7765	S21 62-L - U35 Construct Side Well (1st pour)	11	25-Feb-21 A	15 Apr 21 A	02-Mar-21	02-Mar-21													
4-7767	S21 H2-1 - U35 Construct Side Wall (2nd pour)	35	16-Apr-21 A	14-May-21	82-Nar-21	19-Har-21	-43			-									
4-7768	S21 62-L - U35 Construct Side Wall (final pour)	21	15 May 21	18-Jun-21	20 Mar 21	26-Apr-21	43	3.00			-	-	_						
521 - 1-1 V	2-2 - U-Trough Type III (CH128 to 112)		127502110	09/04/45	10054221	2014010	-14	-111											
4-7772	\$21-82-2 + U35 Conietud: Skle Wall (1st pour)	26	19-Feb-21 A	11-Nar-21 A	15-Nar-21	15-Mar-21		3.00											
4-7771	S21-62-2 - U3S Devisiout, Side Will (2nd pour)		12-Mar-21.A		15-Mar-21	19-Mar-21	-32		-										
4-7769	S21-82.2 · U35 Construct Side Wall (final pour)		03-May-21		20 Har 21	26-Apr-21	-32			-		_							
	2-2 - U-Trough Type III (CH112 to 096)					17-47 E	10 13												
4-7779	521-62-3 - U35 Construct Side Will (2nd pour)		01-ftd-21 A		24-Feb-21	1944a-21	-4	-			-								
4-7781	S21-62-3 - U35 Construct Side Wall (Finel poor)		22-May 21		20 Mar 21	27-Apr-21	-48		1				-	1					
						21940021	-0					Ĩ.							
	2-4- U Trangh Type III (C1996 to 080)		1.2000017			Contrast.	11	. 640											
47785	\$21 62 4 - U35 Construct Side Wall (final pour)	21	25-R0b 21 A	21.499/21	08-Ap+21	03 Mby-21	-15	_											
	5.5 - U-Trough Type El (CHUNG to 065)		A reserved a second		and a second	1 10000													
4-7802	S21 82.5 - U25 Construct Side Well		21-Oct-20 A			27.Apr/21	-15	0.00											
4-7813	S21-82-9 - U15 Cenatud: Sido Wall	Ē	01-Rdb 21 A	10-Reb 21 A	08-Ap+21	08-Apr-21		6.60											
521 + MAY 6.	3-10 - At-Granic Stati (CH4008.178 to 000)		7-185-A#+41	10030141	R-440-41	23449-21													
4-7812	S21-82-10 - Construct At Grade slab	13	05-Jun-21	19-3.6-21	10-Aug-21	23-Aug-21	54	0.00						-					
S21 - Box Sec	ctions (CH143.981 to CH205.700)	175	01-Feb-21.A	13-569-21	10 Mar-21	05-3#21	-60	20.00											
SIX - Day R	1-1 - Gox Section (CH1143,081 to 159.5)		(OLTOD CLI 1	10070723	19-mprati	The Art of the		600											
4-9724	521-61-1 Construct External Walls (1st pour)	33	91-F60-21 A	13-Nar21 A	13-Ap+21	13-Apr-21		6.00											
4-7725	S21-B1-L Construct External Walls (final pour)	ж	5 15-Mar-21 A	12-Apr-21 A	09-3un-21	09-Jun-21													
47726	S21-81-1 Construct Top Slab	30	13-Apr-21.A	05-May-21	09 Jun 21	19-3in-21	36	6.00											
S21 - Jay H	2 - Ros Section (CH100.5 to 175)		JARHAYII	21April	50 mm /1	anana.		in											
1										1					D	0	Roviston		Checked
Actual Wo		Kowlow	on Rout	e - Kai	Tak Ese	t (Mont	h 24 I	Ind	te) (Rev18 - CSD)	Project I Baseline	D: KTE-WP18_M2	1			25-Feb-	21 Dubrit Ct	SD Programme Rev 18 rugramme M22		
	Turning Mode	NOWIO				ing Proc			(Nev 10 - C3D)	Layout	KTE - 3 Months Ro				20-Mar-	21 Bubwit Cl	10 Programme Rev 17 rogramme M21		
Remaining	Work			00 moi			g. un /11			Filter: T/	ASK filters: 3 Month	is Rolling_1, ⊧	KTE - Submis	sion	20-Apr-3	21 Subret C	10 Programme Rev 15		TVY I
										1000000	al 19				30-Apr 2	1 Monthly P	oporme M24		TTY E

D	Activity Name	Orig Dur	9.at	Fash	Lale Stat	Late Finish	Test Flipat	TRA (Day)		Nay Jase 25 18 16 25 18 06 10 25 2		August 20
4-7734	521-61-2 Construct Base Stab	17	26-May-21	15-3,11-21	10-Mar-21	29-Mar-21	-60	1.00			1 10 10 VI VO	
47736	S21-B1-2 Construct External Wells (1st pour)	26	16/An-21	16-3.4-21	13-40+21	13Miy/21	-52	2.00				
44737	S21-61-2 Construct External Walls (final pour)	. 34	17-30-21	25-Aug-21	20-Mby-21	29-Jun-21	-16				Contraction of Contra	_
521-Uny 82	- 3 - 80x Section (CHL/5 to 190.5)	45	293a121	-insetti	18-40-25	et auto		-140				
4-7746	S21-01-3 Construct Base Sala	17	29-An-21	19-3,4-21	14-Apr-21	06-May-21	-00	1.00				
47748	S21-81-3 Construct Esternal Wells (1st pour)	24	20-34-21	15Ag21	07-May-21	04.hm-21	-60	2.00				-
4-7749	521-61-3 Construct External Walls (Final pour)	24	17 Aug-21	13-Sep-21	05-Jun-21	05-34-21	-60	152000				-
521 - Ley 01	(-4 - Nos Section (CH106.) to 30%.7)	1.000	3692077	103500.00	10000	The second	-				11	
4-7758	S21-81-4 Conduct New Solo	24	36-May-21	23-Jun-J1	10-Mar-21	10-Apr-21	-60	1.00				
4-7760	S21-81-4 Construct External Walls (1st pour)		30-3.0-21	02-Aup-21	27-40+21	31-May-21	-52	1.00		N		
								1.00				
47761	S21-61-4 Construct External Walls (Final pour)		03Aug-21	03-569-21	01-Jun-23	05-94-21	-52					
	gh Sections - North (CH205.700 to CH354.957)		22-Feb-21 A	01-5ep-21	06-04-20	23-Aug-21	-11	8.00	L			
4-7818	S21-63-L - New concelle fill upto formation level underneith S3 (RL-2.78mPO)	4	26-May-21	29-Hay-21	06-0xt-20	09-0d-20	-183	1.00				
4-7820	S21 63-L - Construct Base slab	14	15- <b>h</b> n-21	30-hn-21	10-0et-20	27-66-20	-195	1.60			E .	
4-7823	S21-83-1 - Construct Side Wells (1st pour)	24	(12-34)-21	29-34-21	28-0et-20	24 Nov-20	-195					
4-7825	S21 83-1 - Construct Side Walk (2nd pour)	32	30-34-21	04-Sep-21	25-Nov-20	04-Jan-Zi	-1.95					
521 - 1-ty NJ	1 J - U-Trough Type III (CH1223.0 to 340.0)	3116	1000011	0110731	Interil	RIVER ST		- 440				
4-7830	\$21-63-2 - Constant Base slab	14	26-Apr-21	12-May-21	14-May-21	31-May-21	15	2.60	c			
4-7631	521-63-2 - Construct Side Wells (1st pour)	28	03Aug-21	03-Sep-21	01-Jun-21	05-34-21	-62					_
521 - Bay 83	I-3 - U-Trough Type TI (CH240.0 to 253.3) Part 3E	40	and the second second	1.1.1.1.1.1.1	10 terral	(734611	14	-				
4.7834	521-63-3 - Commut Base skib	14	29-Apr-21	15-1909-21	17-969-21	02-Jun-21	14	1.00				
4-7835	521-63-3 - Construct Side Wells (1st pour)		17-May-21		03-Jun-21	05-34-21	14					
		20	17-9409-21	1/20021	0.35007923	0598921	14	_	Ť			
								-100				
4-7638	S21-83-4 - Construct Base stab			14-Apr-21 A		14Mby-21		1.00	the second second			
4-7839	S21-83-4 - Centitud Side Walk (1it pour)	13	15-Apr-21 A	11-May-21	15-May-21	31-Mpy-21	16					
4-7846	S23-83-4 - Construct Side Walls (final pour)	28	12-May-21	15-301-21	61-Jun-21	05-Jul-21	16	0.00				
\$21 - Bey #5	-7-4-Trough Type I (CH283.7 to 207.4) Part 38							6160				
4-7854	\$21-83-7 - Construct Base Sab	10	22-Feb 21 A	02-Mar-21 A	06-3421	06-348-21		0.00				
4-7864	S21-83-7 - Construct Sido Walls	В	03-Mar 21 A	11-Mar-21 A	06-3,4-21	05-Jul-21		6.00				
511 - Bay 83	- 4 - AltGrade Slab Pari 3E (CH321.11 to 354 957) Part 3E	11	HAPT	1010-11	10440-01	the pair	e.	- 200				
4-7568	S21+83-9 - Construct At Grade slab	12	26-Apr-21	10-May-21	10-Aug-21	23-Aug-21	87	2.00	C			
S21 - Miscella	inecus Works	90	07 May 21	23 A.9-21	05-Apr-21	23 Aug-21	0	10.00	-			
	roofing and Backfilling Works		07-May-21	23-Aug-21	08-Apr-21	23-Aug-21		10.00				
	rdh Sectioni - Sicah (CH005376 In CH143381)					20.010.00		11.00				
47948	\$21 - Wateproofing / Movement Joint / Mesonry Vial (U-Trough Section -		05-Jun-21	02-Aug-21	08-Apr-21	04-Jun-21	-45	4.00				
4.7542	S21 - Waterproofing / Movement John / Mesonly Wall (U-Trough Section - South) S21 - Baddling up to GL (U-Trough Section - South)		28-3kn-21		08-Apr-21	04-3un-21 26-3un-21	-48					<u></u> in
				23 Aig 21	29-Ap+21	26-am-21	-48	6.60				
51-1-5-9	-ctores (CH143 583 to CH105 708)	36	07-May-211	1 Areas	3943.23	23.449.01		E.M.	11/11/			
Cuest Me	inter I								1		Data Rovision	Cleded A
Atus Yos	* Central K	owloc	n Rout	e - Kai	Tak Eas	t (Monti	h 24 l	Upda		ect ID: KTE-WP18_M24 eline:	25-Feb-21 Submit CSD Programme Rev 18 25-Feb-21 Wonthly Programme M22	TYY DC TYY DC
Citikal Rem	running that					ing Prog			Layo	out: KTE - 3 Months Rolling Programme	20 Alar 21 Submit CSD Programme Rev 17 31 -Uar 21 Monthly Programme M23	TYY DX
- Hornareg			100				0.1.00	220	Filter	r: TASK filters: 3 Months Rolling_1, KTE - Submission.	20-4pt-21 Submit CSID Programme Rev 18	11Y D
									Page	e 18 of 19	30-Apr 21 Monthly Programme M24	

		Ong Da	r Bat	Falat	Lale Stat	Late Field)	Float	(Day)	1 MI MI MI	u 1 00 1 -	25	1 1 1 1	26		1 10 1	11 10	1 2 2	1 76	8	
7873	521 - Backfilling up to GL/ set up for haul mad at B1-1 (and June)	21	07-May-21	31-May-21	31-3.4-21	23-Aug-21	70		<u>n</u> n u	a w e	16 25	30 06	12	28 27	- 14	11 18	2 01	US	10	22
on 17 - Sl	eave pipes for District Cooling System (Subject to	10	CONVER A	10-form (1	210000	20009(2)	-14)	10.00												
10 Sleeve p	pipes for DCS (Kai Tak River West)	18	25-Jan-21 A	19 5ep 21	21-549-20	24Mby21	-96	7140												
-West Sect	ion A (39m)	244	01-Mar 21.A	39 Aug 21	21-Sep-20	27.Jan-21	-170	20.00												
464	DCS(W)_A -Excavation 500mm down Lst layer of struk + lagging plate + removal of undrated sexual	-	01-74a-21 A	29-4pr-21	21-Sep-70	24-Sep-20	-170	2.00	-	1										
465	DCS[W]_A - Install bit layer waing and shut	-	5 11-Mar 21 A	87-Hay-25	25-6q-20	03-O±20	-176	2.00	-											
468	DCS(W)_A - Exavation 500mm down 2nd layer of strut + lagging plate +	1	08 May 21	24 Ray 21	05-0at-20	19-Oct 20	-170	2.00		-	-									
170	removal of undharted scawall DCS(W)_A - Install 2nd layer valing and strut		6 25 May 21	31.May-21	20-04-20	27-Od:20	4.70	2.00			-									
472	DCS(W), A - Excavation down to formation level + legging plate + removal of	of 13	01-Am-21	16-3.0-21	28-04-20	11-Nov-20	-170	2.00					_							
474	undranted seasail DCS(W_A - Install permanent seawater pipes 2x1400 (L=39m) (PMI-0146)		3 17-340-21	14-3.6-21	12-46-6-20	08-Dec-20	-1.70	6.00												
476	DCS(W)_A - Baddilleg upto formation level		15-34-21	39Ag-21	09-Dec-20	27-Jen-21	-170	4.00					1100			1				2
	ian B (49m)		7 25-Jan-21 A	15-5ep-21	21-5cp-20	16-Apr-21	-126	19.00												
480	DCS(IV)_8 - Excavate 2m top layer of soll		8 25-3an-21 A			21-Sep-20		2.00		-										
482	DCS(W)_B - Removel of uncharted structures / materials + 2m top layer of so	ol 13	2 06-Mar-21 A	10-May-21	27-Nov-20	10-Dec-20	+115													
484	DCS[W]_B - Irodali stantpiles	11	2 11-May-21	25 May 21	51 Occ-20	24-Dec-20	-115	2.60												
489	DCS(W)_B - Exavation down to formation level	3(	0 25-May 21	30-Jun-21	28-Dec-20	01-Feb-21	-115	5.00				-		_						
(49K)	DCS(W)_8 - Initial permanent seawater pipes 2x1400 ID (L=50m) (PMI-0199)	21	15-30-21	15 A.q.21	82-Feb-21	12 Mar 21	-126	6.00								-		-		
492	DCS(W)_8 - Badrilling upto formation level	21	17-Aug-21	15-5ep-21	13-Mar-21	16-Apr-21	-126	2.00											-	-
-West Sect	ian C (25m)	177	01-Feb-21 A	04-5ip-21	30-Nov-20	244May-21	-67	32.00												
497	DCS(W)_C - Install sheetpiles	10	01-Feb-21 A	07-Hey-21	30-Nov-20	10-Dec/20	-113	3.00		_										
195	DCS(W)_E - Grout outpin behind pipepile ( 500mm o/c)	11	2 25 Feb 21 A	10-Mar 21 A	16-Jan-21	16-Jan-21		5.00												
591	DCS(W)_C - Excavation S00mm down 1st layer of strut + lagging place	1 1	5 11-Mar-21 A	13-May-21	16-340-21	21-Jan-21	-65	2.00	-	_										
502	DCS(W)_C - Initial List layer waing and shut	-	5 34-May-21	21-May-21	22-381-21	28-lan-21	-65	2.00			-									
494	DCS(W)_C -Removal of unchanted structures / materials + 2m top later of so		2 14 May 21	28-Mer-21	10 Feb 21	02-Mar-21	-69	2.00												
505	DCS/W) C - Excevation 500mm down 2nd twer of strut + lagoing piete		8 22-May-21	31-May-21	29-3m-21	06-Feb-21	-85	2.00												
507			6 01-Jun-21	07-Jun-21		20-Feb 21	-65	2.00												
	DCS(W)_C - Install Ind layer waing and strut				08-Fab-21								-							
593	DCS(W)_C - Excevation down to formation level + lagging plate + removal o uncharted seavail		8 08-Am-21	17-301-21	22-969-21	02-95#-21	-65	2.00					1.01							
538	DCS[W]_C - Construct new Marihole SWH(36.8, demolish existing M/H		8 18-3km-21	13-A.g.21	03-Mar-21	03-May-21	-85	6,60												
804	DCS(W)_C - Install permanent seawater pipes 2x3400 (L=50m) (PPI-0146)	1 13	7 17-Aug-21	04-Sep-21	04-May-21	24-May-21	-417	6.00											-	-
10 Sleeve p	oipes for DCS (Kai Tak River East)		0. 09-34-21	31-409-21	-09-Nov-20	25-Reb-21	452	11/00				-								
-East Portic	m 1 (approx 37.5m)	34	0 09-341-21	31-Aug-21	09-Nov-20	01-669-21	-167	7.00												
514	DCS(E) - Instal sheetpile (L=96 km)	23	2 09-Jun-21	06-34-21	09-Nov-20	03-Dec-20	-167	2.00					-	_	-					
516	(DCS(E) - Denotering solern installation (TBA subject to design)	1/	6 07-Jul-21	27-34-21	04-Dec-20	24-Dec-20	-167	2.60							-		-			
518	DCS(E) - Exavation down to formation level (Part A for Pile caps) ind wailing	1 30	28-34-21	31-Aug-21	28-Dec-20	01-Feb-21	-167	3.00									-	_	-	_
-East Portic	8 m/t m 2 (approx 37.5m)	-41	07-04-21	31-Aq-21	22-000-20	25-Feb-21	-152	4.00				-								
628	DCS(E) - Install sheetpile (L=95 im)	- 23	07-34-21	31-34-21	22-Dec-20	19-Jan-21	-152	2.00							-	_				
530		26	5 02 Aug 21	31-Aug-21	20-Jan-21	25 Feb-21	-152	2.60										-	_	
-East Portic	8 m.t an 2 (approx 37.5m)	4	8 07-04-23	31-449-21	22-000-20	25-64-21	-452	4.00												
10 A	Central K	(owlo				st (Mont ing Pro			Rev18 - CSD)		Baseline: Layout: KTE	Layout: KTE + 3 Months Rolling	Baseline: Layout: KTE - 3 Months Rolling Programme	Baseline: Layout: KTE - 3 Months Rolling Programme	Baseline: Layout: KTE + 3 Months Rolling Programme	Bateline: 25-Fd-21 Layout: KTE - 3 Months Rolling Programme 20-March Elite: TASK (Rese: 3 Months Rolling 1 KTE - Schmission 31-March	Proper D: KTE-AP18, M24 244021 Submit CSD Baseline: 25/do.21 Workin/Prog Layout: KTE - 3 Months Rolling Programme 2644-27 Submit Sol Ellur, TASK Reve, 3 Months Rolling, 1 KTE, Submission, 31444-21 Workin/Prog	Propert Dr. KTE-AVP18, JA24 Baaeline: E-Feb-21 Meet Sto Programme Rev 1 Exhibit State Stat	Proget D: KTE-API J, APA 2019-2019 Baseline: 2019-2019 Sector 2019 Sector 2019 Sector 2019 Layout KTE - 3 Months Rolling Programme 2019 Sector 2019 Se	Propert DX:KTE-WP18, M24         22-Ho-21         Dubref CSD/Pegermen Rev 16         TYY           Baseline;         25-Fdx-21         Month/Pegermen Rev 16         TYY           Lavud; KTE = 3 Months Rolling Programme         20-Mort1         Month/Pegermen Rev 17         TYY

## Appendix C Project Organization Chart



Alchmex - Paul Y Joint Venture

## Appendix D Dust Event-Action Plan (EAP)

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

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

Note:

ET – Environmental Team

ER – Engineer's Representative

IEC – Independent Environmental Checker

Acuity Sustainability Consulting Ltd.

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

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

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				
S4.3.10	D1	The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	<ul> <li>APCO</li> <li>To control the dust impact To meet HKAQO and TM-EIA criteria</li> </ul>	<ul> <li>Implemented and rectified after observation</li> </ul>
\$4.3.10	D2	<ul> <li>Mitigation measures in form of regular watering under a good site practice should be adopted. Watering once per hour on exposed worksites and haul road should be conducted to achieve dust removal efficiencies of 91.7%. While the above watering frequencies are to be followed, the extent of watering may vary depending on actual site conditions but should be sufficient to maintain an equivalent intensity of no less than 1.3 L/m<sup>2</sup> to achieve the dust removal efficiency.</li> </ul>	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	<ul> <li>APCO</li> <li>To control the dust impact To meet HKAQO and TM-EIA criteria</li> </ul>	Implemented
\$4.3.10	D3	<ul> <li>Proper watering at exposed spoil should be undertaken throughout the construction phase;</li> <li>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;</li> <li>Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads;</li> <li>A stockpile of dusty material should not be</li> </ul>	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	<ul> <li>APCO</li> <li>To control the dust impact To meet HKAQO and TM-EIA criteria</li> </ul>	<ul> <li>Implemented and rectified after observation</li> </ul>

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
		<ul> <li>extended beyond the pedestrian barriers, fencing or traffic cones;</li> <li>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.</li> <li>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;</li> <li>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;</li> <li>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;</li> <li>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</li> </ul>						

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	
\$4.3.10		<ul> <li>continuously;</li> <li>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;</li> <li>Any skip hoist for material transport should be totally enclosed by impervious sheeting;</li> <li>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;</li> <li>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</li> <li>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.</li> <li>Implement regular dust monitoring under EM&amp;A programme during the construction stage.</li> </ul>	Monitoring of dust impact	Contractor	Selected rep. dust monitoring station	Construction stage	• TM-EIA	• Implemented	
	Construction Noise (Airborne)								

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	<ul> <li>Implement the following good site practices:</li> <li>Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme;</li> <li>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;</li> <li>Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs;</li> <li>Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works;</li> <li>Mobile plant should be sited as far away from NSRs as possible and practicable;</li> <li>Material stockpiles, mobile container site office and other structures should be effectively utilized, where practicable, to screen noise from on-site construction activities.</li> </ul>	Control construction airborne noise	Contractor	All construction sites	Construction stage	• Annex 5, TM-EIAO	• Implemented
\$5.4.1	N2	Install temporary hoarding located on the site boundaries between noisy construction activities and NSRs. The conditions of hoardings shall be properly maintained throughout the construction period.	Reduce the construction noise levels at low-level zone of NSRs through partial screening	Contractor	All construction sites	Construction stage	• Annex 5, TM-EIAO	Implemented
\$5.4.1	N3	Install movable noise barriers (typical design is wooden framed barrier with a small-cantilevered on a skid footing with 25mm thick internal sound absorptive lining), acoustic mat or full enclosure, screen the noisy	Sreen the noisy plant items to be used at all construction	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM-EIAO	Implemented

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
	plants including air compressors, generators and handheld breakers, etc.	sites					
N4	Use 'Quiet plant'	Reduce the noise levels of plant items	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM-EIAO	Implemented
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
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
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
	Log Ref. N4 N5 N6	Log Ref.Recommended Mitigation Measuresplants including air compressors, generators and handheld breakers, etc.N4Use 'Quiet plant'N5Loading/ unloading activities should be carried out inside the full enclosure of mucking out points.N6Sequencing operation of construction plants where practicable.N7Implement a noise monitoring programme under	EM&A Log Ref.Recommended Mitigation Measuresthe Recommended Measures & Main Concerns to addressplants including air compressors, generators and handheld breakers, etc.sitesN4Use 'Quiet plant'Reduce the noise levels of plant itemsN5Loading/ unloading activities should be carried out inside the full enclosure of mucking out points.Reduce the noise levels of loading/ unloading activitiesN6Sequencing operation of construction plants where practicable.Operate sequentially within the same work site to reduce the construction airborne noiseN7Implement a noise monitoring programme under EM&A programme.Monitor the construction noise levels at the selected representative locations	EM&A Log Ref.Recommended Mitigation Measuresthe Recommended Measures & Main Concerns to addressImplementation Agentplants including air compressors, generators and handheld breakers, etc.sitesImplementation AgentN4Use 'Quiet plant'Reduce the noise levels of plant itemsContractorN5Loading/ unloading activities should be carried out inside the full enclosure of mucking out points.Reduce the noise levels of loading/ unloading activitiesContractorN6Sequencing operation of construction plants where practicable.Operate sequentially within the same work site to reduce the construction airborne noiseContractorN7Implement a noise monitoring programme under EM&A programme.Monitor the construction noise levels at the selected representative locationsContractor	EM&A Log Ref.Recommended Mitigation MeasuresThe Recommended Measures & Main Concerns to addressImplementation AgentLocation / Timingplants including air compressors, generators and handheld breakers, etc.sitesImplementation AgentAllN4Use 'Quiet plant'Reduce the noise levels of plant itemsContractorAll construction sites where practicableN5Loading/ unloading activities should be carried out inside the full enclosure of mucking out points.Reduce the noise levels of loading/ activitiesContractorMucking out locationsN6Sequencing operation of construction plants where practicable.Operate sequentially within the same work site to reduce the construction airborne noiseContractorAll construction sites where practicableN7Implement a noise monitoring programme under EM&A programme.Monitor the construction attorContractor selected attorSelected rep. noise monitoring station	EM&A Log Ref.Recommended Mitigation Measuresthe Recommended Measures & Main Concess to addressImplementation AgentLocation / TimingImplementation Stageplants including air compressors, generators and handheld breakers, etc.sitesImplementation AgentLocation / TimingImplementation AgentN4Use 'Quiet plant'Reduce the noise levels of plant itemsContractor plant itemsAll construction sites where practicableConstruction stageN5Loading/ unloading activities should be carried out inside the full enclosure of mucking out points.Reduce the noise levels of plant itemsContractorMucking out locationsConstruction stageN6Sequencing operation of construction plants where practicable.Operate sequentially within the same work site to reduce the construction airborne noiseContractorAll construction stageConstruction stageN7Implement a noise monitoring programme under EM&A programme.Monitor the construction alto actionsContractorSelected rep. noise monitoring stationConstruction stage	EM&A Log Ref.Recommended Mitigation Measuresithe Recommended Main Concerns to addressImplementation AgentLocation / TimingImplementation StageRequirements and/ or standards to be achievedplants including air compressors, generators and handheld breakers, etc.sites <td< td=""></td<>

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
S6.9.1.1	W1	<ul> <li>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:</li> <li>Construction Runoff <ul> <li>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;</li> <li>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;</li> <li>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</li> </ul> </li> </ul>	To minimize water quality impact from the construction site runoff and general construction activities	Contractor	All construction sites where practicable	Construction stage	<ul> <li>Water Pollution Control Ordinance</li> <li>ProPECC PN 1/94</li> <li>TM-EIAO</li> <li>TM-DSS</li> </ul>	Implemented and rectified after observation

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		<ul> <li>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;</li> <li>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;</li> <li>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;</li> <li>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;</li> <li>Measures should be taken to minimize the ingress</li> </ul>						

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
		<ul> <li>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;</li> <li>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;</li> <li>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;</li> <li>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;</li> <li>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</li> </ul>						

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
		<ul> <li>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;</li> <li>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;</li> <li>Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts;</li> <li>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;</li> <li>Adopt best management practices;</li> <li>All earth works should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet</li> </ul>						

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
		season (April to September) as far as practicable.						
S6.9.1.2	W2	<ul> <li>Tunneling Works and Underground Works</li> <li>Cut-&amp;-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.</li> <li>Uncontaminated discharge should pass through sedimentation tanks prior to off-site discharge;</li> <li>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;</li> <li>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.</li> </ul>	To minimize construction water quality impact from tunneling works	Contractor	All tunneling portion	Construction stage	<ul> <li>Water Pollution Control Ordinance</li> <li>ProPECC PN 1/94</li> <li>TM-DSS</li> <li>TM-EIAO</li> </ul>	• 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
\$6.9.1.3	W3	<ul> <li>Sewage Effluent</li> <li>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.</li> </ul>	To minimize water quality from sewage effluent	Contractor	All construction sites where practicable	Construction stage	<ul> <li>Water Pollution Control Ordinance</li> <li>TM-DSS</li> </ul>	Implemented
S6.9.1.5	W4	<ul> <li>Groundwater from Potential Contaminated Area:</li> <li>No direct discharge of groundwater from contaminated areas should be adopted.</li> <li>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</li> </ul>	To minimize groundwater quality impact from contaminated area	Contractor	Excavation areas where contamination is found	Construction stage	<ul> <li>Water Pollution Control Ordinance</li> <li>TM-DSS</li> <li>TM-EIAO</li> </ul>	• 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
		<ul> <li>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.</li> <li>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 removed as necessary by installing the petrol</li> </ul>						

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
		interceptor.						
\$6.9.1.6		<ul> <li>Accidental Spillage</li> <li>In order to prevent accidental spillage of chemicals, the following is recommended:</li> <li>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;</li> <li>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.</li> <li>Disposal of chemical wastes should be conducted in compliance with the requirements as stated in the Waste Disposal (Chemical Waste) (General) Regulation.</li> </ul>	To minimize water quality impact from accidental spillage	Contractor	All construction site where practicable	Construction stage	<ul> <li>Water Pollution Control Ordinance</li> <li>ProPECC PN 1/94</li> <li>TM-EIAO</li> <li>TM-DSS</li> </ul>	• Implemented
			Waste Manage	ement (Construction	Waste)			
\$7.4.1	WM1	<ul> <li>On-site sorting of C&amp;D material</li> <li>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</li> </ul>	Separation of unsuitable rock from ending up at concrete batching plants and be turned into concrete for structural use	Contractor	All construction sites	Construction stage	• DEVB (W) No. 6/2010	• N/A

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		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	<ul> <li>Construction and Demolition Material</li> <li>Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement;</li> <li>Carry out on-site sorting;</li> <li>Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate;</li> <li>Adopt 'selective demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible;</li> </ul>	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	<ul> <li>Land (Miscellaneous Provisions) Ordinance</li> <li>Waste Disposal Ordinance</li> <li>ETWB TCW No. 19/2005</li> </ul>	• 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
		<ul> <li>Implement a trip-ticket system for each works contract to ensure that the disposal of C&amp;D materials are properly documented and verified; and</li> <li>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&amp;D materials and to minimize their generation during the course of construction.</li> </ul>						
\$7.5.1	WM3	<ul> <li><u>C&amp;D Waste</u></li> <li>Standard formwork or pre-fabrication should be used as far as practicable in order to minimize the arising of C&amp;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;</li> <li>The Contractor should recycle as much of the C&amp;D materials as possible on-site. Public fill and C&amp;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</li> </ul>	generation and recycle the C&D materials as far as practicable so as to reduce the	Contractor	All construction sites	Construction stage	<ul> <li>Land (Miscellaneous Provisions) Ordinance</li> <li>Waste Disposal Ordinance</li> <li>ETWB TCW No. 19/2005</li> </ul>	• 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
		sites should be considered for such segregation and storage.						
\$7.5.1	WM4	<ul> <li><u>Excavated Contaminated Soils</u></li> <li>Details of the mitigation measures on handling of the contaminated soil shall be referred to Section on Land Contamination below.</li> </ul>	The contaminated soil will be excavated for on-site reuse	Contractor	РВН4	Prior to commencement of construction works within the contaminated area	<ul> <li>Practice Guide (PG) for Investigation and Remediation of Contaminated Land</li> <li>GN/GM for land contamination</li> </ul>	Implemented
\$7.5.1	WM5	<ul> <li>Land-based Sediment</li> <li>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;</li> <li>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;</li> <li>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</li> </ul>	To control pollution due to marine sediment	Contractor	Along CKR alignment	Construction stage	• ETWB TCW No. 34/2002	• Implemented

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		<ul> <li>approved locations;</li> <li>Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.</li> <li>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;</li> <li>The Contractors shall comply with the conditions in the dumping licence.</li> <li>All bottom dumping vessels (Hopper barges) shall be fitted with tight fittings seals to their bottom openings to prevent leakage of material;</li> <li>The material shall be placed into the disposal pit by bottom dumping;</li> <li>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;</li> <li>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.</li> <li>For Type 3 special disposal treatment, sealing of</li> </ul>						

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
		contaminant with geosynthetic containment before dropping designated mud pit would be a possible arrangement. A geosynthetic containment method is a method whereby the sediments are sealed in geosynthetic containers and, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping at the disposal site, thereby fulfilling the requirements for fully confined mud disposal.						
S7.5.1	WM6	<ul> <li><u>Chemical Waste</u></li> <li><u>Chemical Waste</u></li> <li><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></li> <li><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></li> <li>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</li> </ul>	Control the chemical waste and ensure proper storage, handling and disposal	Contractor	All construction sites	Construction stage	<ul> <li>Waste Disposal (Chemical Waste) (General) Regulation</li> <li>Code of Practice on the Packaging, Labelling and Storage of Chemical Waste</li> </ul>	<ul> <li>Implemented and rectified after observation</li> </ul>

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
\$7.5.1	WM7	<ul> <li>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;</li> <li>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.</li> <li>General Refuse</li> <li>General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes;</li> <li>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.</li> <li>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;</li> <li>Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant</li> </ul>	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	• Waste Disposal Ordinance	• Implemented

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

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		collection. Participation in a local collection scheme should be considered by the Contractor.						
			Land Contamir	nation				
S8.9 & Appendix 8.4	LC2	<ul> <li>Excavation of the Contaminated Soil</li> <li>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.</li> <li>The excavated contaminated soils would be stockpiled at designated area on site and covered by sheet to prevent dispersion of contamination during stockpiling.</li> <li>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.</li> </ul>	The contaminated soil will be excavated for on-site reuse	Contractor	РВН4	Prior to commencement of construction works within the contaminated area	<ul> <li>Practice Guide (PG) for Investigation and Remediation of Contaminated Land</li> <li>Guidance Notes for Contaminated Land Assessment and Remediation</li> <li>Guidance Manual for Use of Risk-Based</li> </ul>	• 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

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

EIA Ref.	EM&A Log Ref.	Reco	mmended Mitigati	ion 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
		Locations	Testing	Acceptance						
			requirement	Criteria						
		PBH4	PCBs	RBRGs (Public Park)						
				Park)						
		<ul> <li>If the results of analysis below the RBRGs (Public Park), no further excavation will be required.</li> <li>If the analysis indicates presence of contamination (i.e. noncompliance of the acceptance criteria), further excavation shall be carried out in 0.5m increment vertically and/or horizontally depending on the location(s) of the sample(s) which has exceeded the acceptance criteria. Further sampling shall also be conducted for compliance testing. The process of excavation, sampling and compliance testing should continue until all contaminated materials are removed and should be supervised by a Land Contamination Specialist.</li> </ul>								
Appendix 8.4	LC4	clean-up sha endorsement construction, construction,	all be prepared and t prior to the con /development works	emonstrate adequate submitted to EPD for nmencement of any s within the sites. No s shall be carried out RR by EPD.						• N/A
						Hazard to Life				
S9.18	H8	healthy, expo records. Th	erienced and have e driver should ho	should be physically e good safe driving old a proper driving ort truck. Dedicated	-	Contractor	Works areas at which explosives would be	Construction stage	-	• N/A

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

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		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.			used			
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
			Lan	dscape & Visual				
S10.10.1 Table 10.11	LV3	<ul> <li><u>Good Site Management</u></li> <li>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.</li> <li>Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance.</li> </ul>	Minimize visual impact	Contractor	Within Project site	Construction stage	-	Implemented
S10.10.1 Table 10.11	LV4	<ul> <li><u>Screen Hoarding</u></li> <li>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.</li> </ul>	Minimize visual impact	Contractor	Within Project site	Construction stage	-	Implemented
S10.10.1 Table 10.11	LV5	Lighting Control during Construction           • All lighting in the construction site shall be carefully controlled to minimize light pollution and night-time glare to nearby residencies and GIC.	Minimize visual impact	Contractor	Within Project site	Construction stage	-	Implemented

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

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		The Contractor shall consider other security measures, which shall minimize the visual impacts.						
S10.10.1 Table 10.11	LV6	<ul> <li>Erosion Control</li> <li>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.</li> </ul>	Minimize landscape impact	Contractor	Within Project site	Construction stage	-	Implemented
S10.10.1 Table 10.11	LV7	Tree Protection & Preservation • Carefully protected during construction. Tree protection measures will be detailed at the Tree Removal Application stage and plans submitted to the relevant Government Department for approval in due course in accordance with ETWB TC no. 3/2006.	Minimize landscape and visual impact	Contractor	Within Project site	Construction stage	<ul> <li>'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</li> <li>Latest recommended horticultural practices from GLTM Section, DEVB</li> </ul>	• Implemented

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

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
\$10.10.1 Table 10.11	LV8	<u>Tree Transplantation</u> • For trees unavoidably affected by the Project that have to be removed, where practical transplantation will be chosen as the top priority method of removal. If this is not possible or practical compensatory planting will be provided for trees unavoidably felled (See LV10). For trees unavoidably affected by the Project works that are transplanted, transplantation must be carried out in accordance with ETWB TCW 2/2004 and 3/2006.	Minimize landscape and visual impact	Contractor	Within Project site and designated off-site locations	Prior to Construction stage	<ul> <li>ETWB TCW 3/2006</li> <li>Latest recommended horticultural practices from Greening, Landscape and Tree Management (GLTM) Section, DEVB</li> <li>ETWB TCW 2/2004</li> </ul>	• N/A
S10.10.1 Table 10.11	LV9	<ul> <li><u>Compensatory Planting</u></li> <li>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.</li> <li>Compensatory tree planting may be incorporated into public open spaces and along roadside amenity areas affected by the construction works</li> </ul>	Minimize visual impact and also enhance landscape	Contractor	Within Project site	Construction stage	<ul> <li>ETWB TCW 3/2006</li> <li>Latest recommended horticultural practices from Greening, Landscape and Tree Management (GLTM) Section, DEVB</li> <li>ETWB TCW 2/2004</li> </ul>	• N/A

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

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		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.						
S10.10.1 Table 10.11	LV10	<ul> <li>Screen Planting</li> <li>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.</li> </ul>	Minimize visual impact and also enhance landscape.	Contractor	Within Project Site	Construction Phase	<ul> <li>Guidelines on Greening of Noise Barriers, issued April 2012, GLTMS, DevB</li> <li>ETWB TCW 2/2004</li> </ul>	• 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 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	• N/A

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

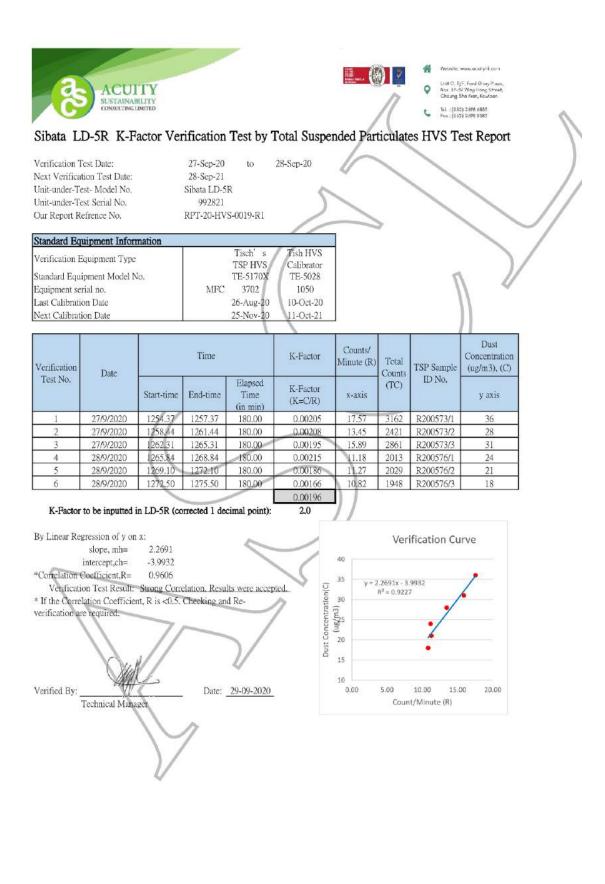
EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
			Cultural Heritage	Impact (Construct	ion Phase)			
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				
S13.2	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual	Control EM&A Performance	Highways Department	All construction sites	Construction stage	<ul> <li>EIAO Guidance Note No. 4/2010</li> <li>TM-EIAO</li> </ul>	Implemented
S13.2-13.4	EM2	<ul> <li>An Environmental Team needs to be employed as per the EM&amp;A Manual;</li> <li>Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures;</li> <li>An environmental impact monitoring needs to be implemented by the Environmental Team to ensure all the requirements given in the EM&amp;A Manual are fully complied with.</li> </ul>	Perform environmental monitoring & auditing	Highways Department/ Contractor	All construction sites	Construction stage	<ul> <li>EIAO Guidance Note No. 4/2010</li> <li>TM-EIAO</li> </ul>	Implemented

### Appendix G Monitoring Schedule of the Reporting Month

#### April 2021 SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY 2 3 1 Impact Dust monitoring (E-A1) 5 7 10 8 9 4 6 Impact Dust monitoring (E-A1) 11 13 15 16 17 12 14 Impact Impact Dust monitoring Dust monitoring (E-A1) (E-A1) 18 19 20 21 22 23 24 Impact Dust monitoring (E-A1) 25 26 27 28 29 30 Impact Dust monitoring (E-A1)

Acuity Sustainability Consulting Ltd.

## Appendix H Calibration Certificates (Air Monitoring)



19	36				0	[		ALIBRATION UE DATE:
					)		Septen	nber 23, 202
nvir	onm	ent	al					
			and the	d	50	00		
	Y	1.1	2		P	0.0	1.	
	Oe.	rufu	cate of	24	Oal	wra	tion	
			Calibration C	Certificatio	on Informat	ion		
Cal. Date:	September	23, 2020	Rootsn	neter S/N:	438320	Ta: 2	95	°К
Operator:	Jim Tisch					Pa: 7	51.1	mm Hg
Calibration		TE-5025A	Calib	rator S/N:	3465			
Constation	WOUCH W.	1C-3023R	Cano	ratur syne.	5405			
		Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔΡ	ΔН	
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(in H2O)	
	1	1	2	1	1.4350	3.3	2.00	
	2	3	4	1	1,0200	6.4	4.00	
	3	.5	6	1	0.9050	8.0	5.00	
	4	7	8	1	0.8650	8.8	5.50	
	5	9	10	1	0.7140	12.8	8.00	
			D	ata Tabulat	ion			
				(				
	Vstd	Qstd	√∆H( <u>Pa</u> )	$\left(\frac{\text{Tstd}}{\text{Ta}}\right)$		Qa	ΔH(Ta/Pa)	
	(m3)	(x-axis)	(y-axis		Va	(x-axis)	(y-axis)	
	0.9939	0.6926	1.413		0.9956	0.6938	0.8863	
	0.9898	0.9704	1.998		0.9915	0.9720	1.2534	
	0.9877	1.0914	2.234	2	0.9893	1.0932	1.4014	
	0.9866	1.1406	2.343	2	0.9883	1.1425	1.4698	
	0.9813	1.3744	2.826	0	0.9830	1.3767	1.7726	
		m=	2.0692	dia and a second		m=	1.29575	
	QSTD	b=	-0.017		QA	b=	-0.01116	
	L	r=	0.9999	35		r=	0.99995	
				Calculation	s			
	the second se		/Pstd)(Tstd/Ta)			∆Vol((Pa-∆P)	/Pa)	
	Qstd=	/std/∆Time			100000	Va/∆Time		
			For subseque	nt flow rat	e calculation	is:		
	Qstd=	1/m (( √∆H(-	Pa (Tstd)	)-ь)	Qa=	$1/m \left( \sqrt{\Delta H} \right)$	Та/Ра))-ь)	
	Standard	Conditions	1			40		
Tstd:	298.15			Г		RECALI	BRATION	
Pstd:		nm Hg		L L				1000
Allentities		ey 	1000				ual recalibratio	
	or manometer		27.04.02.27.53.00				gulations Part 5 Reference Meth	
	P: rootsmeter manometer reading (mm Hg) e: actual absolute temperature (°K)						ded Particulate	
	arometric pro		Hg)	1			e, 9.2.17, page 3	
and the second s					the	Acmospheri	, J.Z.17, page 3	
b: intercept m: slope							No. 910 100 100 100	1

Tisch Environmental, Inc. 145 South Miami Avenue

√illage 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 InformationLocation:EmaxSite ID:Date:01-Apr-2021Serial No:1049Model:TE-5170XOperator:Kate Wong

	Ambie	nt Condition	
Corrected Pressure (mm Hg):	755.7	Temperature (deg K):	299.7

### **Calibration Orifice**

Model:	TE-5025A	Slope:	1.29575
Serial No.:	3465	Intercept:	-0.01116
Calibration Due Date:	23-Sep-21	Corr. Coeff:	0.99995

### **Calibration Data**

Plate or	In,H2O	Qa, X-Axis	I, CFM	IC, Y-Axis
Test #	(in)	(m3/min)	(chart)	(corrected)
1	1.34	0.897	32.7	32.55
2	1.64	0.991	35.3	35.10
3	1.87	1.058	37.1	36.88
4	2.19	1.144	39.4	39.13
5	2.48	1.218	41.0	40.78

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

-	1.4		, , ,		
m=	25.7845	b=	9.5163	Corr. Coeff=	0.9994
Sampler	set point(SSP)	41	CFM		
		с	alculations		
Qstd = 1/m[Sqrt(H	H2O(Pa/Pstd)(Tstd/Ta))-b]		m = sampler slope		
IC = I[Sqrt(Pa/Pst	d)(Tstd/Ta)]		<ul><li>b = sampler intercept</li><li>I = chart response</li></ul>		
Qstd = standard fl	ow rate		Tav = average temperature		
IC = corrected cha	art response		Pav = average pressure		
I = actual chart res	sponse				
m = calibrator Qs	td slope				
b = calibrator Qst	d intercept				
Ta = actual tempe	rature during calibration (de	eg K)			
Pa = actual pressu	re during calibration (mm H	łg)			
Tstd = 298 deg K					
Pstd = 760 mm H	g				
	lculation of sampler flow:				
(1.21*m+b)/[Sqrt(	(298/Tav)(Pav/760)]				
Checked by:	黄雪莺		Date:	1-Ap	r-21

Acuity Sustainability Consulting Ltd.

### InnoTech Instrumentation Co. Ltd.

創新科儀有限公司

### HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

# Site InformationLocation:EmaxSite ID:Date:16-Apr-2021Serial No:1049Model:TE-5170XOperator:Kate Wong

Ambient Condition							
Corrected Pressure (mm Hg):	760.3	Temperature (deg K):	295.8				

### **Calibration Orifice**

Model:	TE-5025A	Slope:	1.29575
Serial No.:	3465	Intercept:	-0.01116
Calibration Due Date:	23-Sep-21	Corr. Coeff:	0.99995

### **Calibration Data**

Plate or	In,H2O	Qa, X-Axis	I, CFM	IC, Y-Axis
Test #	(in)	(m3/min)	(chart)	(corrected)
1	1.41	0.930	34.0	34.10
2	1.73	1.028	36.6	36.72
3	2.02	1.109	38.5	38.65
4	2.33	1.191	40.7	40.86
5	2.66	1.272	42.3	42.51

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

-					
m=	24.7550	b=	11.1861	Corr. Coeff=	0.9991
Sample	er set point(SSP)	41	CFM		
		С	alculations		
Qstd = 1/m[Sqrtet]	(H2O(Pa/Pstd)(Tstd/Ta))-b]		m = sampler slope		
IC = I[Sqrt(Pa/Pa)]	std)(Tstd/Ta)]		b = sampler intercept		
			I = chart response		
Qstd = standard	flow rate		Tav = average temperature		
IC = corrected cl	nart response		Pav = average pressure		
I = actual chart r	esponse				
m = calibrator Q	estd slope				
b = calibrator Q	std intercept				
Ta = actual temp	erature during calibration (de	eg K)			
Pa = actual press	ure during calibration (mm H	lg)			
Tstd = 298 deg I	K				
Pstd = 760  mm I	łg				
For subsequent c	alculation of sampler flow:				
(1.21*m+b)/[Sq1	t(298/Tav)(Pav/760)]				
	苦南西				
Checked by:	東の対		Date:	16-Aj	or-21

Acuity Sustainability Consulting Ltd.

# Appendix I The Certification of Laboratory with HOKLAS Accredited Analytical Tests



Hong Kong Accreditation Service 香港認可處

### Certificate of Accreditation 認可證書

This is to certify that 特此證明

#### ACUMEN LABORATORY AND TESTING LIMITED

浩科檢測中心有限公司

Lot 12, Tam Kon Shan Road, North Tsing Yi, New Territories, Hong Kong 香港新界青衣北担杆山路12路段

has been accepted by the HKAS Executive, on the recommendation of the Accreditation Advisory Board, as a 在認可諮詢委員會的建議下獲香港認可處執行機關接受為

> HOKLAS Accredited Laboratory 「香港實驗所認可計劃」認可實驗所

This laboratory meets the requirements of ISO/IEC 17025:2005 and it has been accredited for performing specific tests or calibrations as listed in the scope of accreditation within the test category of

**Environmental Testing** 

此實驗所符合ISO/IEC 17025:2005所訂的要求 並獲認可進行載於認可範圍內下述測試類別中的指定測試或校正工作

#### 環境測試

This accreditation to ISO/IEC 17025:2005 demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (see joint IAF-ILAC-ISO Communique). 此項 ISO/IEC 17025:2005 的認可資格證明比實驗所具備指定範疇內所須的技術能力並 實施一套實驗所質量管理體系(見圖際認可論壇、圖際實驗所認可合作組織及圖際標準化組織的聯合公報)。

The common seal of the Hong Kong Accreditation Service is affixed hereto by the authority of the HKAS Executive 現經香港認可處執行機關授權在此蓋上香港認可處的印章

WONG Wang-wan, Executive Administrator 執行幹事 黃宏華 Issue Date: 16 July 2014 簽發日期:二零一四年七月十六日

Registration Number : HOKLAS 241 註冊號碼:

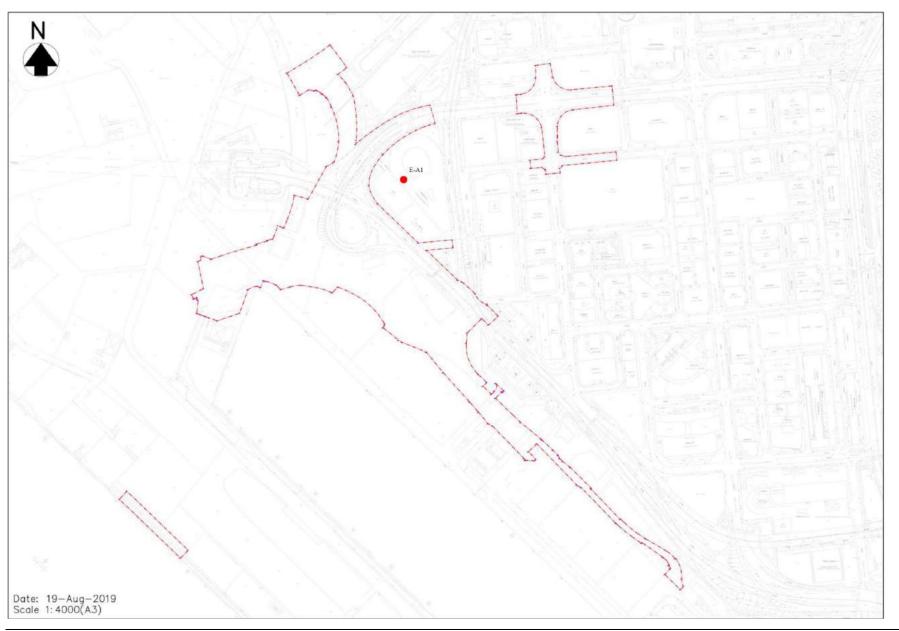
This certificete is issued subject to the terms and conditions taid down by HKAS 本證書按照香港語可處訂立的條款及條件發出



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

L001195

## Appendix J Location Plan of Air Quality Monitoring Station

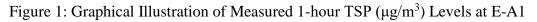


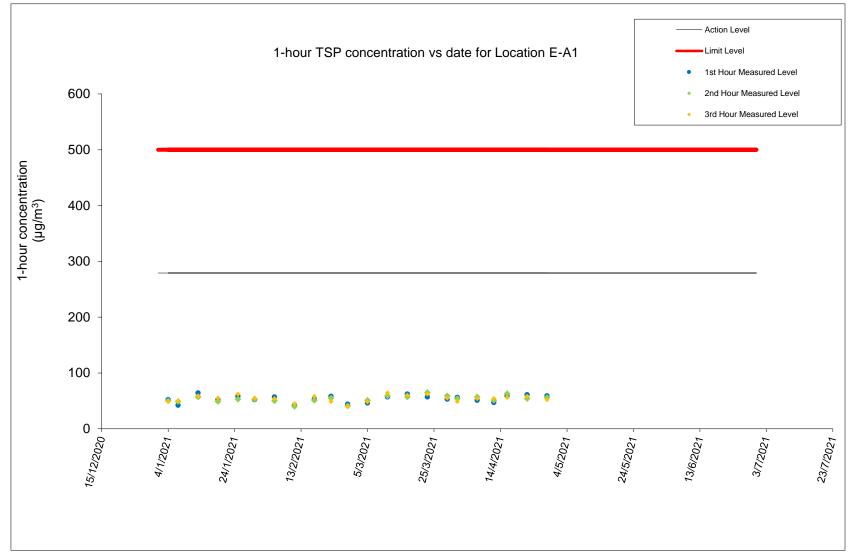
Acuity Sustainability Consulting Ltd.

### Appendix K Monitoring Data (Air Monitoring)

Location:	Hong Kong International Trade and Exhibition Centre (E-A1)
Monitoring date:	1, 7, 12, 16, 22 and 28 April 2021
Parameter:	TSP 1-hour
Other Factors:	Nearby traffic

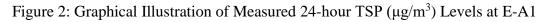
	1-hour TSP (μg/m <sup>3</sup> )									
Date	Weather	Start Time	1 <sup>st</sup> Hour (μg/m <sup>3</sup> )	2 <sup>nd</sup> Hour (μg/m <sup>3</sup> )	3 <sup>rd</sup> Hour (μg/m <sup>3</sup> )					
01/04/2021	Fine	9:28	56	54	49					
07/04/2021	Sunny	9:22	51	57	54					
12/04/2021	Cloudy	13:41	47	51	54					
16/04/2021	Fine	9:16	59	63	56					
22/04/2021	Sunny	9:34	61	54	58					
28/04/2021	Fine	9:11	59	56	52					

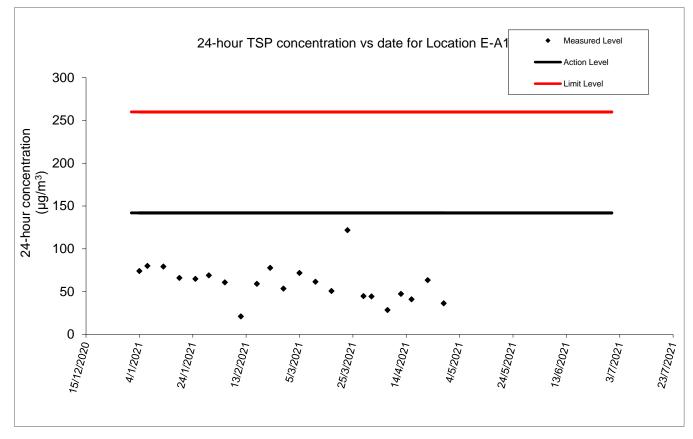




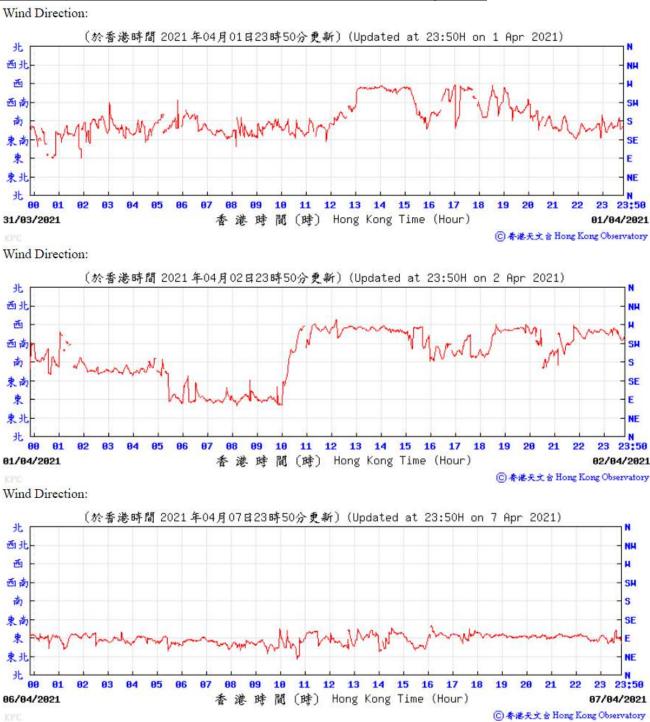
Location:	Hong Kong International Trade and Exhibition Centre (E-A1)
Monitoring date:	1, 7, 12, 16, 22 and 28 April 2021
Parameter:	TSP 24-hour
Other Factors:	Nearby traffic

										Date of	Calibration:	1-Apr-21		Slope =	25.7845
										Calibrati	on due date:	15-Apr-21		Intercept =	9.5163
										Date of	Calibration:	16-Apr-21		Slope =	24.7550
										Calibrati	on due date:	30-Apr-21		Intercept =	11.1861
Start Date	Weather Condition		Elapse Time		Cl	hart Readin	g	Avg Air Temn	Avg Atmospheric Pressure	Flow Rate	Standard Air Volume	Filter Weight	(σ)	Particulate weight	Conc.
	Condition	Initial	Final	Actual (min)	Min	Max	Avg	(°C)	(mm hPa)	(m <sup>3</sup> /min)	(m <sup>3</sup> )	Initial	Final	(g)	(µg/m <sup>3</sup> )
1/4/2021	Fine	2129.97	2153.97	1440.00	40	40	40.0	26.7	1007.6	1.17	1682	2.7579	2.8325	0.0746	44
7/4/2021	Sunny	2153.97	2177.97	1440.00	40	41	40.5	23.1	1016.0	1.21	1742	2.6908	2.7405	0.0497	29
12/4/2021	Cloudy	2177.97	2201.97	1440.00	41	41	41.0	24.6	1016.1	1.23	1765	2.7585	2.8421	0.0836	47
16/4/2021	Fine	2202.35	2226.35	1440.00	40	41	40.5	22.8	1013.7	1.19	1713	2.8030	2.8733	0.0703	41
22/4/2021	Sunny	2226.35	2250.35	1440.00	40	41	40.5	25.2	1010.0	1.18	1695	2.7574	2.8649	0.1075	63
28/4/2021	Fine	2250.35	2274.35	1440.00	40	40	40.0	24.4	1014.6	1.17	1680	2.7629	2.8239	0.0610	36

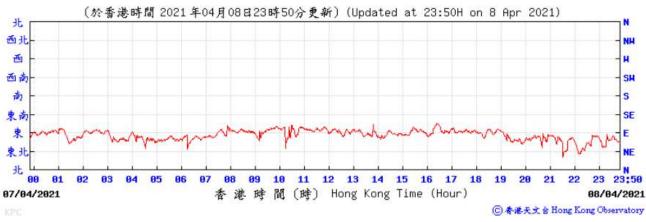




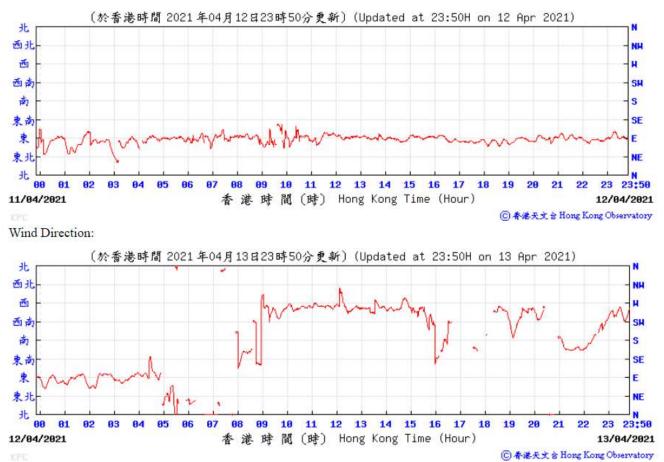
### WIND DIRECTION DATA FOR 1, 2, 7, 8, 12, 13, 16, 17, 22, 23, 28 and 29 April 2021



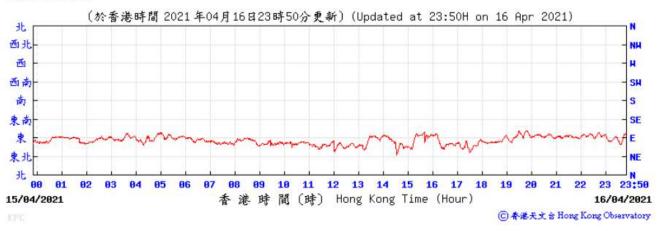
Wind Direction:



Wind Direction:



### Wind Direction:



Wind Direction:



Wind Direction:



Wind Direction:

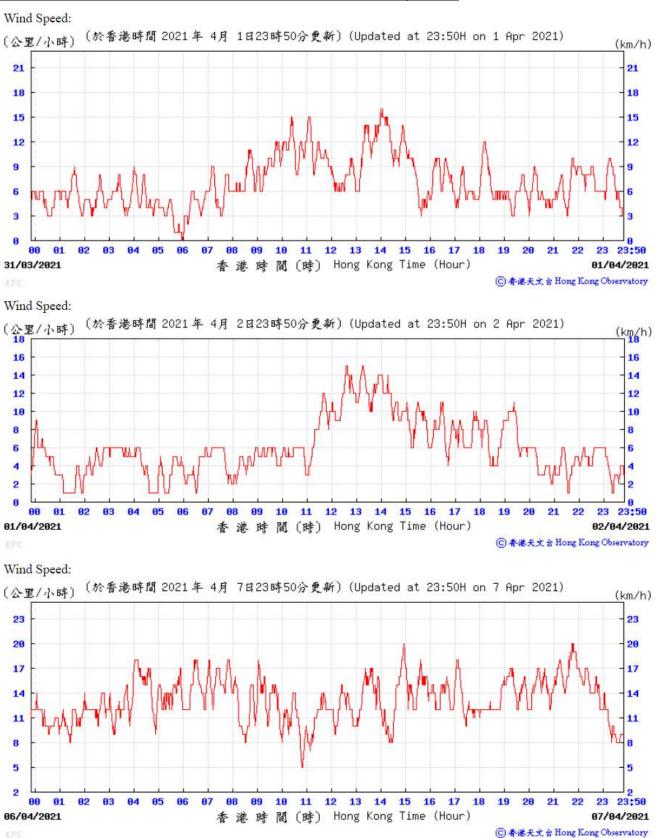


Wind Direction:

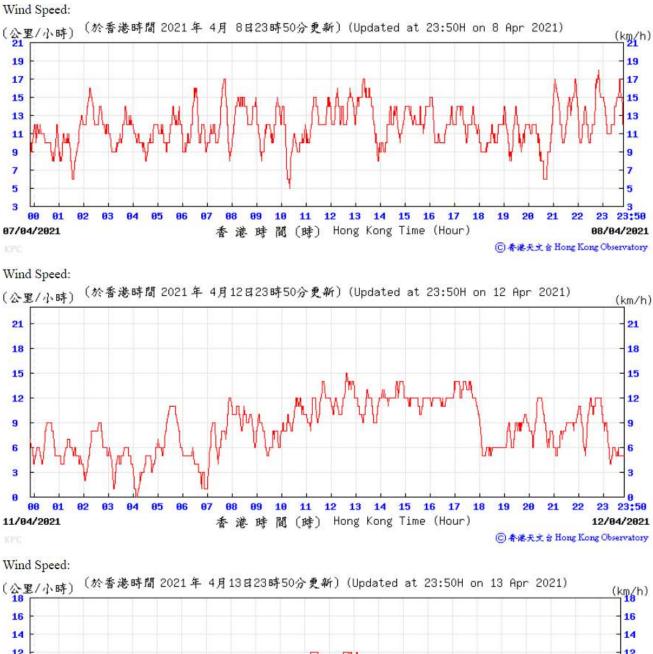


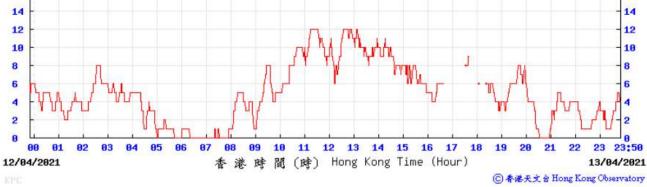
Wind Direction:

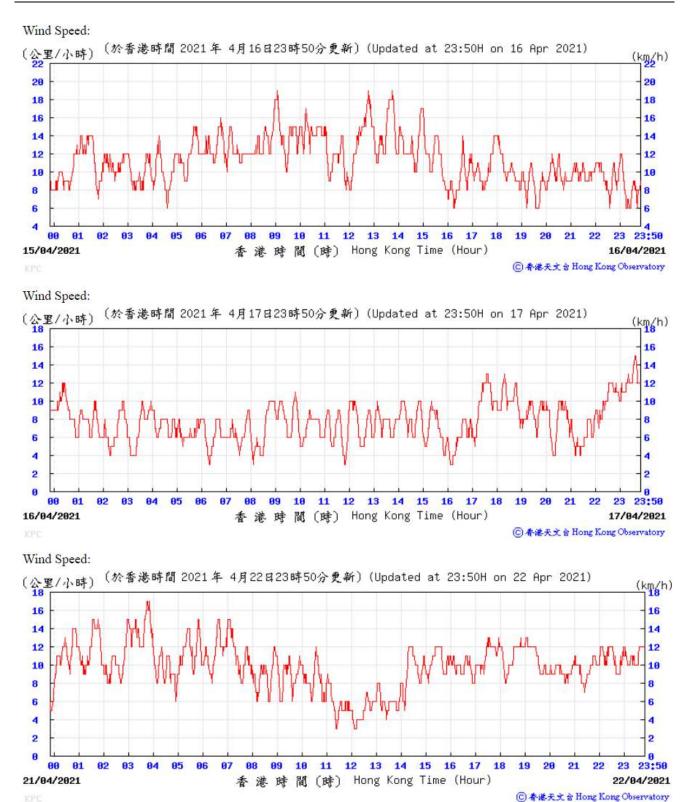




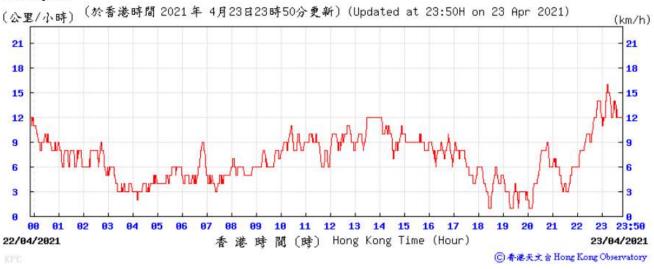
### WIND SPEED DATA FOR 1, 2, 7, 8, 12, 13, 16, 17, 22, 23, 28 and 29 April 2021



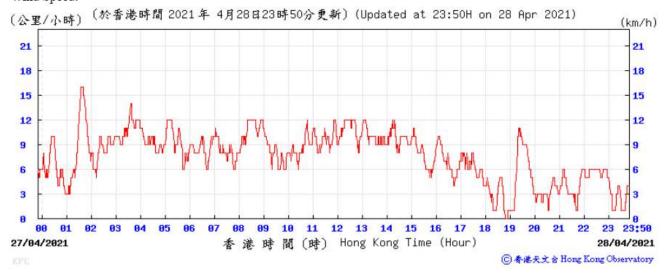




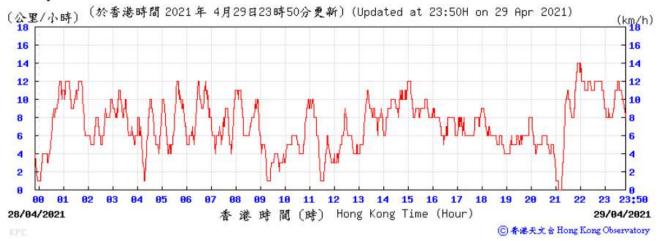




Wind Speed:



Wind Speed:



### Appendix L Waste Flow Table

### **Monthly Summary Waste Flow Table**

### Name of Department: Highways Department Monthly Summary Wester Flow Table for April 2021

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

Monthly Summary Waste Flow Table for <u>April 2021</u> [to be submitted not later than the 15<sup>th</sup> day of each month following reporting month] (All quantities shall be rounded off to 2 decimal places.)

		Actual Quantities of <u>Inert</u> Construction Waste Generated Monthly							
Month		(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-21	19,087.84	0.00	100.00	9,967.20	8,847.39	0.00			
Feb-21	10,564.52	0.00	0.00	5,730.48	4,787.27	0.00			
Mar-21	8,468.07	0.00	0.00	57.78	8,339.11	0.00			
Apr-21	72,214.53	0.00	0.00	62,589.3	9,545.51	0.00			
May-21	0.00	0.00	0.00	0.00	0.00	0.00			
Jun-21	0.00	0.00	0.00	0.00	0.00	0.00			
Sub-total	110,334.96	0.00	100.00	78,344.76	31,519.28	0.00			
Jul-21	0.00	0.00	0.00	0.00	0.00	0.00			
Aug-21	0.00	0.00	0.00	0.00	0.00	0.00			
Sep-21	0.00	0.00	0.00	0.00	0.00	0.00			
Oct-21	0.00	0.00	0.00	0.00	0.00	0.00			
Nov-21	0.00	0.00	0.00	0.00	0.00	0.00			
Dec-21	0.00	0.00	0.00	0.00	0.00	0.00			
Total	110,334.96	0.00	100.00	78,344.76	31,519.28	0.00			
2020	142,655.94	0.00	140.00	34,998.72	105,790.14	1,109.00			
2019	7,646.10	340.00	140.00	0.00	6,643.48	0.00			
Accumulated Total	260,637.00	340.00	380.00	113,343.48	143,952.90	1,109.00			

		Actual Quantities of <u>Non-inert</u> Construction Waste Generated Monthly										
Month	(g) Month 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	000kg)	(in 'tonnes)			
	generated	recycled	generated	recycled	generated	recycled	generated	recycled	generated			
Jan-21	104.35	104.35	0.02	0.02	0.00	0.00	0.00	0.00	68.88			
Feb-21	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	46.76			
Mar-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.18			
Apr-21	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	79.67			
May-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Jun-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Sub-total	104.40	104.40	0.03	0.03	0.00	0.00	0.00	0.00	266.49			
Jul-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Sep-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Oct-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Nov-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Dec-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Total	104.40	104.40	0.03	0.03	0.00	0.00	0.00	0.00	266.49			
2020	207.47	207.47	1.28	1.28	0.00	0.00	0.00	0.00	409.33			
2019	22.57	22.57	0.05	0.05	0.00	0.00	0.00	0.00	500.00			
Accumulated Total	334.44	334.44	1.36	1.36	0.00	0.00	0.00	0.00	1,175.82			

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

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

### Statistical Summary of Environmental Complaints

Departing Devied	Environmental Complaint Statistics							
Reporting Period	Frequency	Cumulative	Complaint Nature					
1 Apr 2021 –	0	2	N/A					
30 Apr 2021	0	2	IN/A					

### Statistical Summary of Environmental Non-compliance

Reporting Period	Environmental Non-compliance Statistics			
	Frequency	Cumulative	Details	
1 Apr 2021 – 30 Apr 2021	0	0	N/A	

### Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics			
	Frequency	Cumulative	Details	
1 Apr 2021 – 30 Apr 2021	0	0	N/A	

### Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics			
	Frequency	Cumulative	Details	
1 Apr 2021 – 30 Apr 2021	0	0	N/A	

## Appendix N Monitoring Schedule of the Coming Month

# MAY 2021

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
25	26	27	28	29	30	1
2	3	4 Impact Dust monitoring (E-A1)	5	6	7	8
9	10 Impact Dust monitoring (E-Al)	11	12	13	14	15 Impact Dust monitoring (E-A1)
16	17	18	19	20	21 Impact Dust monitoring (E-A1)	22
23	24	25	26 Impact Dust monitoring (E-Al)	27	28	29
30	31					

# 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. 7 (April 2021)

Version 1 Date of Report: 7 May 2021

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/C

#### **Central Kowloon Route**

#### **Independent Environmental Checker Verification**

Works Contract:	Buildings, Electrical and Mechanical Works (HY/2019/13)
-----------------	---

#### **Reference Document/Plan**

Document/Plan to be-Certified/ Verified:	Monthly EM&A Report No.7
Date of Report:	7 May 2021 (Version 1)
Date received by IEC:	7 May 2021

#### **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 <del>document</del>/plan complies with the above referenced condition of EP-457/2013/C.

Mandy 20.

Ms Mandy To Independent Environmental Checker Date:

7 May 2021

Our ref: 0436942\_IEC Verification Cert\_BEM\_Monthly EM&A Rpt No.7\_20210507.docx

#### **TABLE OF CONTENTS**

		Page
EX	XECUTIVE SUMMARY	1
	roduction	
	vironmental Monitoring Works	
	omplaint Handling, Prosecution and Public Engagement	
	porting Changes ture Key Issues	
1	INTRODUCTION	
- Ba	ckground	
	rpose of the Report	
	oject Organizations	
	onstruction Activities undertaken during the Reporting Month	
	mmary of EM&A Requirements	
Sta	atues of Environmental Licensing and Permitting	
2	AIR QUALITY	6
	onitoring Requirements	
Ob	oservations	6
3	NOISE	6
	onitoring Requirements	
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	8
6	ENVIRONMENTAL AUDIT	9
Sit	e Audits	9
	plementation Status of Environmental Mitigation Measures	
Im	plementation Status of Event and Action Plans	10
	mmary of Complaint, Warning, Notification of any Summons and Successful Prosecution	
Sta	atus of Required Submission under Environmental Permit	
7	FUTURE KEY ISSUES	11
8	CONCLUSIONS AND RECOMMENDATIONS	12
Co	nclusions	
20		····· 1 4

#### 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 7<sup>th</sup> 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/C and in accordance with the EM&A programme in Kai Tak East Area during the reporting period from 1<sup>st</sup> April 2021 – 30<sup>th</sup> April 2021.
- 2. The major site activities undertaken in Kai Tak East Area in the reporting month included:
  - Piling works (pipe piles and sheet piles); and
  - Entrusted drainage works excavation and lateral support (ELS), drainage pipes/manhole casting.

#### **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 9, 13, 20 & 30 April 2021, whereas joint site inspection with the representative of IEC was conducted on 20 April 2021. 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 (April 2021) 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	<b>Brief Description</b>	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); and
  - Entrusted drainage works ELS, drainage pipes/manhole casting.

#### **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 the latest EP (EP No. EP-457/2013/C) was issued by Environmental Protection Department (EPD) on 16 January 2017.
- 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 12<sup>th</sup> October 2020.

#### **Purpose of the Report**

1.5 This is the 7<sup>th</sup> 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 1<sup>st</sup> April 2021 – 30<sup>th</sup> April 2021. 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
	neg i roject 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. Roy Leung	6468 7650		

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); and
  - Entrusted drainage works (ELS, drainage pipes/manhole casting).

#### 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 F	Valid Period				
Permit / License No.	From	То	Status			
<b>Environmental Permit (EP)</b>	Environmental Permit (EP)					
EP-457/2013/C	16 Jan 2017	N/A	Valid			
Notification of Construction Works	s under Air Pollution	<b>Control Ordinance</b>	(APCO)			
457346	18 Jun 2020	End of Project	Valid			
Billing Account for Construction W	Vaste Disposal					
7037679	26 Jun 2020	N/A	Valid			
Registration of Chemical Waste Pr	Registration of Chemical Waste Producer – Kai Tak					
5211-286-G2347-54	13 Jul 2020	N/A	Valid			
Wastewater Discharge Licence - Ka	ai Tak					
WT00037178-2020	18 Dec 2020	31 Dec 2025	Valid			
Construction Noise Permit - Kai Ta	ak Site (Percussive Pil	ling [Sheet Piles])				
PP-RE0006-21	19 Mar 2021	18 Sep 2021	Valid			
Construction Noise Permit - Kai Ta	ak Site (General Wor	ks [grouting, piling]	)			
GW-RE0097-21	11 Feb 2021	10 May 2021	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 Quantity Generated (in '000m <sup>3</sup> )	Disposed as Public Fill (in '000m <sup>3</sup> )	Others, e.g. general refuse (in '000m <sup>3</sup> )	Metals (in '000kg)	Paper/cardboard Packaging (in '000kg)	Plastics (in '000kg)	Chemical waste (in '000kg)
April 2021	0.994	0.994	0.008	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 13 & 30 April 2021. 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 9, 13, 20 & 30 April 2021 in the reporting month. Joint site inspection with the representative of IEC was conducted on 20 April 2021. 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	Parameters Date Observations		Follow-up Actions
Water Quality	Vater QualityN/ANo environmental deficiency was identified in the reporting period.		N/A
Air Quality	9 Apr 2021	NRMM label should be placed on the excavator at Kai Tak Ventilation Building Site.	NRMM label had been displaced on the excavator at Kai Tak Ventilation Building Site during the audit session on 13 Apr 2021.
Noise	N/A	No environmental deficiency was identified in the reporting period.	N/A
Waste / Chemical Management	9 Apr 2021	Waste accumulated should be removed at Kai Tak Ventilation Building Site.	The Contractor had removed the waste at Kai Tak Ventilation Building Site during the audit session on 13 Apr 2021.
Land	20 Apr 2021	Oil stain under the generator should be removed at Kai Tak Ventilation Building Site.	Oil stain under the generator has been removed at Kai Tak Ventilation Building Site during the audit session on 30 Apr 2021.
Lana Contamination	30 Apr 2021	Chemical should be stored in drip tray at Kai Tak Ventilation Building Site.	The concerned chemical has been removed at Kai Tak Ventilation Building Site during the audit session on 4 May 2021.

 Table 6.1
 Observations and Recommendations of Site Inspections

Parameters	Date	Observations	Follow-up Actions
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

#### **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/C 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/C)	Submission	Submission Date
Condition 3.4	Monthly EM&A Report (March 2021)	14 April 2021

#### 7 FUTURE KEY ISSUES

- 7.1 Major site activities undertaken for the coming two months include:
  - Piling works (pipe piles and sheet piles); and
  - Entrusted drainage works ELS, drainage pipes/manhole casting.
- 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 7<sup>th</sup> Monthly EM&A Report which presents the EM&A works undertaken in Kai Tak East Area during the reporting month from 1<sup>st</sup> April 2021 – 30<sup>th</sup> April 2021 in accordance with the EM&A Manual and the requirements under the EP.

#### Air Quality Monitoring

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

Landscape and visual

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

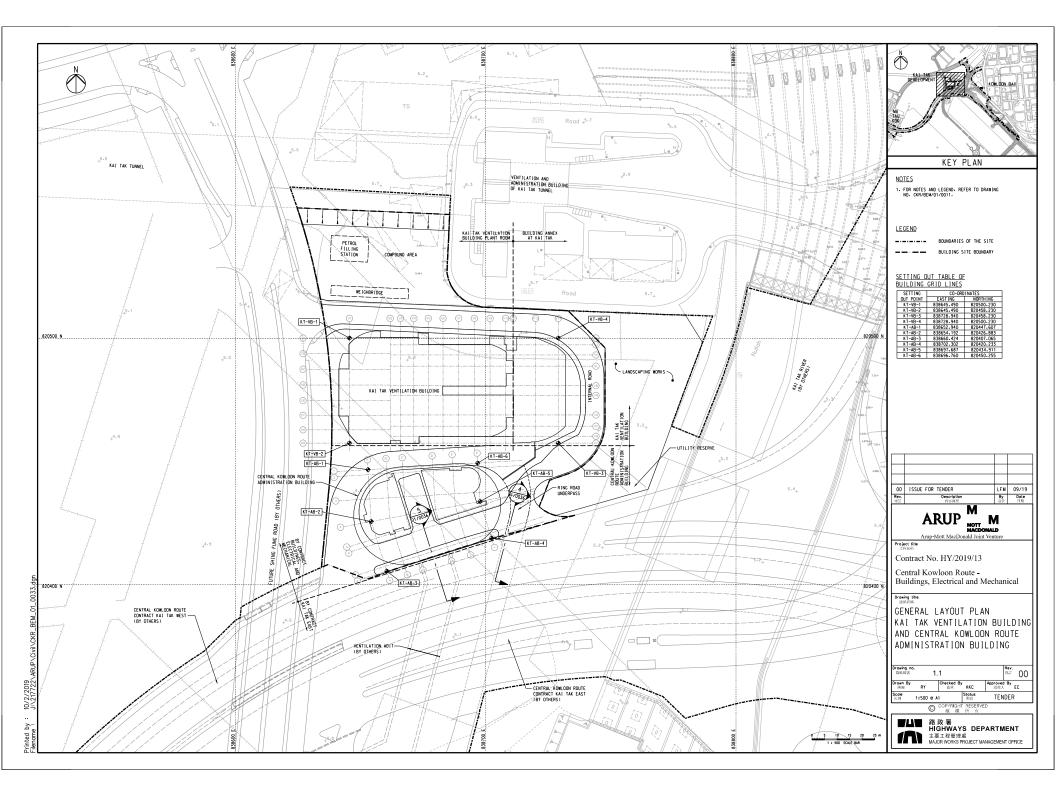
#### Site Audit

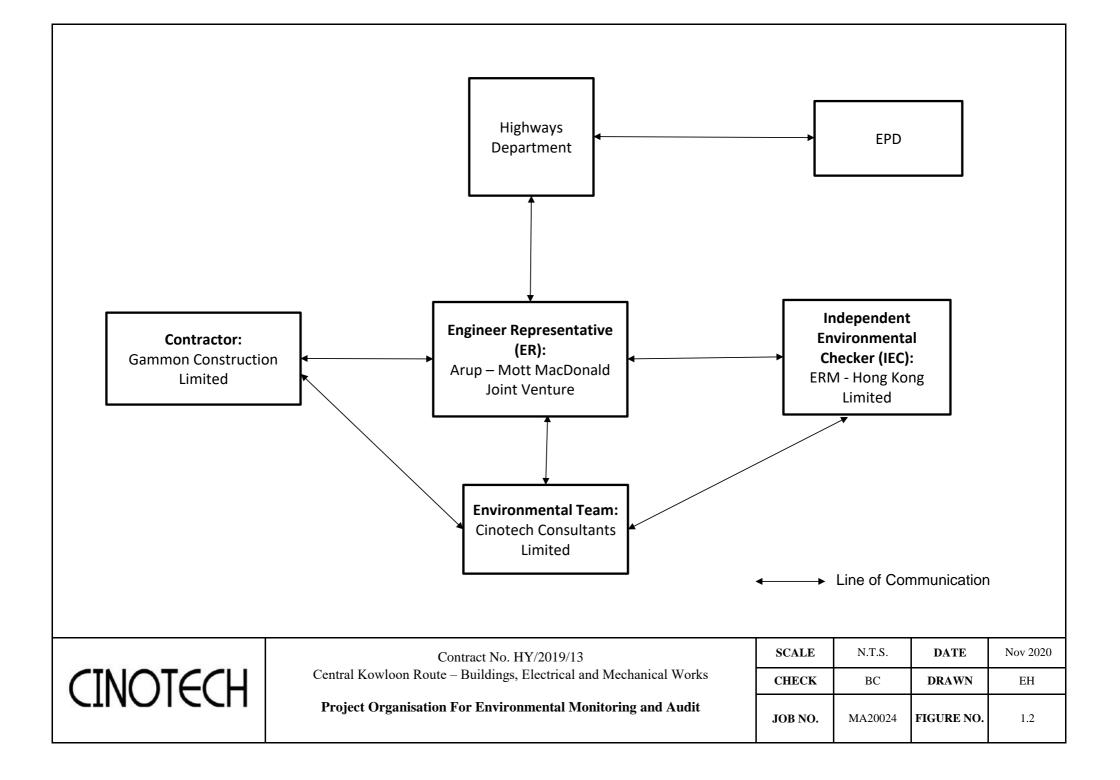
8.4 4 ET joint weekly environmental site inspections were conducted in the reporting month. Joint weekly site inspections with the representative of ET, Engineer Representative and the Contractor were conducted on 9, 13, 20 & 30 April 2021, whereas joint site inspection with the representative of IEC was conducted on 20 April 2021. 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

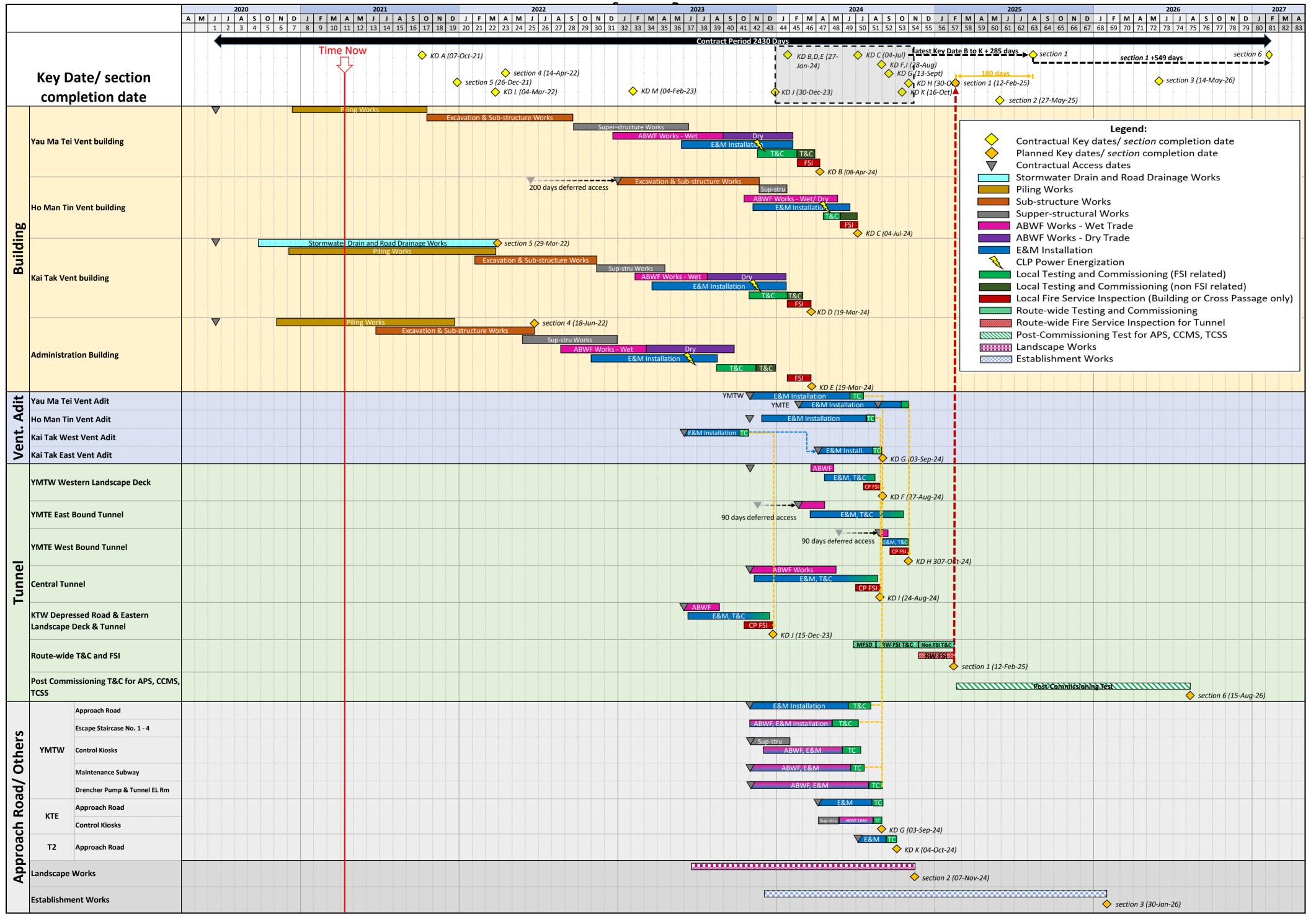




APPENDIX A CONSTRUCTION PROGRAMME



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





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

#### Kai Tak Site Area

Monthly Summary	Waste Flow	Table for <u>2021</u> (year)	
-----------------	------------	------------------------------	--

		Actual Quanti	tes of Inert C&D	Materials Genera	ted Monthly			Actual	Quantites of C&	D Waste Generat	ed Monthly	
	Total Quantity	Hard Rock and	Reused in the	Reused in	Disposed as	Imported Fill	Metals	Paper /	Plastics	Chemical	Marine	Others, e.g.
	Generated	Large Broken	Contract	other Projects	Public Fill	(see Note 5)		cardboard	(see Note 3)	Waste	Sediment	general refuse
		Concrete	(see Note 5)	(see Note 5)	(see Note 5)			packaging		(see Note 5)	(see Note 7)	(see Note 5)
		(see Note 5)										
Month	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m3)	(in '000m3)
Jan	0.698	0	0	0	0.698	0	0	0	0	0	0	0.009
Feb	0.412	0	0	0	0.412	0	0	0	0	0	0	0.014
Mar	0.790	0	0	0	0.790	0	0	0	0	0	0	0.021
Apr	0.994	0	0	0	0.994	0	0	0	0	0	0	0.008
May												
Jun												
Sub-Total	2.895	0	0	0	2.895	0	0	0	0	0	0	0.052
Jul												
Aug												
Sep												
Oct												
Nov												
Dec												
Total (2020)	6.792	0	0	0	6.792	0	0	0	0	0	0	0.060
Total (2021)	2.895	0	0	0	2.895	0	0	0	0	0	0	0.052
Total	9.687	0	0	0	9.687	0	0	0	0	0	0	0.112

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: 1.2	5
Soil / Fill:	2.0 T/m3 (in-situ)	Bulk Factor: 1.1	
General Refuse:	400 kg/m3		
Chemical Waste (mainly used lubricant):	900 kg/m3		
Tree Trunk / Tree Stump:	850 kg/m3 (in-situ)	Bulk Factor: 1.1	

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

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

APPENDIX C ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
	n Dust Impact							
S4.3.10		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	*
S4.3.10		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	٨
\$4.3.10		Proper watering at exposed spoil should be undertaken throughout the construction phase.	Minimize dust impact at the nearby sensitive	Contractor	All construction sites	Construction stage	- APCO - To control the dust impact to meet	^
		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.	receivers				HKAQO and TM-EIA criteria	Â
		Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads.						٨
		A stockpile of dusty material should not be extended beyond the pedestrian barriers, fencing or traffic cones.						۸
		The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle.						۸
		Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores.						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
		When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided and properly maintained as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period.						۸
		The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials.						۸
		Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously.						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						٨
		Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding.						N/A
		Any skip hoist for material transport should be totally enclosed by impervious sheeting.						N/A
		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						N/A
		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.						N/A
\$4.3.10	D6		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.						^
		Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works.						٨
		Mobile plant should be sited as far away from NSRs as possible and practicable.						٨
		Material stockpiles, mobile container site office and other structures should be effectively utilized, where practicable, to screen noise from on-site construction activities.	-					N/A
S5.4.1	N2	1	Reduce the construction noise levels at low-level zone of NSRs through partial screening	Contractor	All construction sites	Construction stage	- Annex 5, TM-EIAO	۸

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
\$5.4.1	N3	Install movable noise barriers (typical design is wooden framed barrier with a small-cantilevered on a skid footing with 25mm thick internal sound absorptive lining), acoustic mat or full enclosure, screen the noisy plants including air compressors, generators and handheld breakers, etc.	Sreen the noisy plant items to be used at all construction sites	Contractor	All construction sites where practicable	Construction stage	- Annex 5, TM-EIAO	N/A
S5.4.1	N4	Use 'Quiet plants'	Reduce the noise levels of plant items	Contractor	All construction sites where practicable	Construction stage	- Annex 5, TM-EIAO	۸
S5.4.1	N5	Loading/ unloading activities should be carried out inside the full enclosure of mucking out points.	Reduce the noise levels of loading/ unloading activities	Contractor	Mucking out locations	Construction stage	- Annex 5, TM-EIAO	۸
S5.4.1	N6	Sequencing operation of construction plants where practicable.	Operate sequentially within the same work site to reduce the construction airborne noise	Contractor	All construction sites where practicable	Construction stage	- Annex 5, TM-EIAO	^
\$5.4.1	N7	Implement a noise monitoring programme under EM&A programme.	Monitor the construction noise levels at the selected representative locations	Contractor	Selected rep. noise monitoring station	Construction stage	- TM-EIAO	N/A
Water Quali	ity (Construction					•		
S6.9.1.1	W1	<u>Construction Runoff</u> At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities. The design of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction.	To minimize water quality impact from the construction site runoff and general construction activities	Contractor	All construction sites where practicable	Construction stage	- Water Pollution Control Ordinance - ProPECC PN 1/94 - TM-EIAO - TM-DSS	~

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	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.						۸
		The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/ sand traps should be 5 minutes under maximum flow conditions. 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.						۸
		All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. Exposed slope surfaces should be covered by tarpaulin or other means.						N/A
		The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows, and all traffic areas and access roads protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during prolonged periods of inclement weather and the reduction of surface sheet flows.						N/A
		All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas.						^
		Measures should be taken to minimize the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.						٨

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	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.						۸
		Manholes should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers.						٨
		Precautions be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes.						٨
		All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and site wheel washing facilities should be provided at every construction site exit where practicable. Wash-water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel wash bay to the public road should be paved with sufficient backfall toward the wheel wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.						^
		Oil interceptors should be provided in the drainage system downstream of any oil/ fuel pollution sources. The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for the oil interceptors to prevent flushing during heavy rain.						٨
		Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts.						٨

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	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.						۸
		Adopt best management practices.						٨
		All earth works should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable.						۸
\$6.9.1.2	W2	<u>Tunneling Works and Underground Works</u> Cut-&-cover tunneling work should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable.	To minimize construction water quality impact from tunneling works	Contractor	All tunneling portion	Construction stage	- Water Pollution Control Ordinance - ProPECC PN 1/94 - TM-EIAO - TM-DSS	N/A
		Uncontaminated discharge should pass through sedimentation tanks prior to off- site discharge.					- IM-DSS	N/A
		The wastewater with a high concentration of SS should be treated (e.g. by sedimentation tanks with sufficient retention time) before discharge. Oil interceptors would also be required to remove the oil, lubricants and grease from the wastewater.						N/A
		Direct discharge of the bentonite slurry (as a result of D-wall) is not allowed. It should be reconditioned and reused wherever practicable. Temporary storage locations (typically a properly closed warehouse) should be provided on site for any unused bentonite that needs to be transported away after all the related construction activities area completed. The requirements in ProPECC PN 1/94 should be adhered to in the handling and disposal of bentonite slurries.						N/A
S6.9.1.3	W3	<u>Sewage Effluent</u> Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	To minimize water quality from sewage effluent	Contractor	All construction sites where practicable	Construction stage	- Water Pollution Control Ordinance - TM-DSS	٨

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	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 recharged into the ground.	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	A A
		If wastewater treatment is deployed, the wastewater treatment unit shall deploy suitable treatment process (e.g. oil interceptor / activated carbon) to reduce the pollution level to an acceptable standard and remove any prohibited substances (e.g. TPH) to undetectable range. All treated effluent from wastewater treatment plant shall meet the requirements as stated in TM-DSS and should be discharged into the foul sewers.						^
		If groundwater recharging wells are deployed, recharging wells should be installed as appropriate for recharging the contaminated groundwater back into the ground. The recharging wells should be selected at places where the groundwater quality will not be affected by the recharge operation as indicated in the Section 2.3 of TM-DSS. The baseline groundwater quality shall be determined prior to the selection of the recharge wells, and submit a working plan (including the laboratory analytical results showing the quality of groundwater at the proposed recharge location(s) as well as the pollutant levels of groundwater to be recharged) to EPD for agreement. Pollution levels of groundwater to be recharge well. Prior to recharge, any prohibited substances such as TPH products should be removed as necessary by installing the petrol interceptor.						N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
\$6.9.1.6	W6	Accidental Spillage All the tanks, containers, storage area should be bunded and the locations should be locked as far as possible from the sensitive watercourse and stormwater drains.	To minimize water quality impact from accidental spillage	Contractor	All construction site where practicable	Construction stage	<ul> <li>Water Pollution</li> <li>Control Ordinance</li> <li>ProPECC PN 1/94</li> <li>TM-EIAO</li> <li>TM-DSS</li> </ul>	*
		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.					- 1M-D35	٨
		Disposal of chemical wastes should be conducted in compliance with the requirements as stated in the Waste Disposal (Chemical Waste) (General) Regulation.						۸
Waste Mana	gement (Const	ruction Waste)						
S7.4.1	WM1	<u>On-site sorting of C&amp;D material</u> Geological assessment should be carried out by competent persons on site during excavation to identify materials which are not suitable to use as aggregate in structural concrete (e.g. volcanic rock, Aplite dyke rock, etc.). Volcanic rock and Aplite dyke rock should be separated at the source sites as far as practicable and stored at designated stockpile area preventing them from delivering to crushing facilities. The crushing plant operator should also be reminded to set up measures to prevent unsuitable rock from ending up at concrete batching plants and be turned into concrete for structural use. Details regarding control measures at source site and crushing facilities should be submitted by the Contractor for the Engineer to review and agree. In addition, site records should also be kept for the types of rock materials excavated and the traceability of delivery will be ensured with the implementation of Trip Ticket System and enforced by site supervisory staff as stipulated under DEVB TC(W) No. 6/2010 for tracking of the correct delivery to the rock crushing facilities for processing into aggregates. Alternative disposal option for the reuse of volcanic rock and Aplite Dyke rock, etc. should be explored.	turned into concrete for structural use	Contractor	All construction sites	Construction stage	• DEVB (W) No. 6/2010	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
\$7.5.1	WM2	Construction and Demolition Material Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement.	Good site practice to minimize the waste generation and recycle the	Contractor	All construction sites	Construction stage	<ul> <li>Land (Miscellaneous Provisions) Ordinance</li> <li>Waste Disposal Ordinance</li> </ul>	۸
		Carry out on-site sorting.	C&D materials as				· ETWB TCW No.	^
		Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate	far as practicable so as to reduce the amount for final				19/2005	۸
		Adopt 'selective demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible.	disposal					N/A
		Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified.						۸
		Implement an enhanced Waste Management Plan similar to ETWBTC (Works) No. 19/2005 – "Environmental Management on Construction Sites" to encourage on-site sorting of C&D materials and to minimize their generation during the course of construction.						۸
S7.5.1		<u>C&amp;D Waste</u> Standard formwork or pre-fabrication should be used as far as practicable in order to minimize the arising of C&D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Use of wooden hoardings should not be used, as in other projects. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage.	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	<ul> <li>Land (Miscellaneous Provisions) Ordinance</li> <li>Waste Disposal Ordinance</li> <li>ETWB TCW No.</li> <li>19/2005</li> </ul>	^
		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.						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	WM4	Excavated Contaminated Soils Details of the mitigation measures on handling of the contaminated soil shall be referred to Section on Land Contamination below.	The contaminated soil will be excavated for on- site reuse	Contractor	PBH4	t of	Practice Guide (PG) for Investigation and Remediation of Contaminated Land · GN/GM for land contamination	^
\$7.5.1	WM5	<u>Land-based and Marine-based Sediment</u> All construction plant and equipment shall be designed and maintained to minimize the risk of silt, sediments, contaminants or other pollutants being released into the water column or deposited in the locations other than designated location.	To control pollution due to marine sediment	Contractor	Along CKR alignment	Construction stage	• ETWB TCW No. 34/2002	٨
		All vessels shall be sized such that adequate draft is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash.						N/A
		Before moving the vessels which are used for transporting dredged material, excess material shall be cleaned from the decks and exposed fittings of vessels and the excess materials shall never be dumped into the sea except at the approved locations.						N/A
		Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.						N/A
		The Contractors shall monitor all vessels transporting material to ensure that no dumping outside the approved location takes place. The Contractor shall keep and produce logs and other records to demonstrate compliance and that journeys are consistent with designated locations and copies of such records shall be submitted to the engineers.						N/A
		The Contractors shall comply with the conditions in the dumping licence.						^
		All bottom dumping vessels (Hopper barges) shall be fitted with tight fittings seals to their bottom openings to prevent leakage of material.						N/A
		The material shall be placed into the disposal pit by bottom dumping.						N/A

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
S7.5.1	WM6	<u>Chemical Waste</u> Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.	Control the chemical waste and ensure proper storage, handling and disposal	Contractor	All construction sites	Construction stage	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	*
		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.						*

EIA Ref.	EM&A Ref.		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.						۸	
\$7.5.1	WM7	General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes.	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	• Waste Disposal Ordinance	^	
		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.	1						
		Aluminum cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible.						^	
		Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor.							^
Land Contai									
S8.9 & Appendix 8.4	LC2	Excavation of the Contaminated Soil Prior to commencement of the excavation works at the contamination zone, the zone should be clearly marked out on site and the surface levels recorded. Excavation of contaminated material should be undertaken using dedicated earth- moving plant.	The contaminated soil will be excavated for on- site reuse	Contractor	actor PBH4	commencemen free to f F F Construction C 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.				the contaminated area	Contaminated Land Assessment and Remediation · Guidance Manual for	N/A	
l		The Contractor should pay attention to the selection of suitable groundwater lowering schemes and discharge points if the groundwater table is higher than the contaminated soils during excavation. The Contractor should also obtain a valid Water Pollution Control Ordinance (WPCO) discharge licence from EPD where applicable.					Use of Risk-Based Remediation Goals (RBRGs) for Contaminated Land Management	N/A	

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

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
S10.10.1 Table 10.11	LV7	<u>Tree Protection &amp; 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.	1	Contractor	Within Project site		<ul> <li>'Guidelines for Tree</li> <li>Risk Management and</li> <li>Assessment</li> <li>Arrangement on an Area</li> <li>Basis and on a Tree</li> <li>Basis', Greening,</li> <li>Landscape and Tree</li> <li>Management (GLTM)</li> <li>Section, DEVB</li> <li>Latest recommended</li> <li>horticultural practices</li> <li>from GLTM Section,</li> </ul>	N/A
S10.10.1 Table 10.11	LV8	<u>Tree Transplantation</u> For trees unavoidably affected by the Project that have to be removed, where practical transplantation will be chosen as the top priority method of removal. If this is not possible or practical compensatory planting will be provided for trees unavoidably felled (See LV10). For trees unavoidably affected by the Project works that are transplanted, transplantation must be carried out in accordance with ETWB TCW 2/2004 and 3/2006.	visual impact	Contractor	Within Project site and designated off- site locations		ETWB TCW 3/2006     Latest recommended horticultural practices from Greening, Landscape and Tree Management (GLTM) Section, DEVB     ETWB TCW 2/2004	N/A
S10.10.1 Table 10.11	LV9	<u>Compensatory Planting</u> For trees unavoidably affected by the Project that have to be removed, where practical transportation will be chosen as the top priority method of removal but if this is not possible or practical compensatory planting will be provided for trees unavoidably felled. All felled trees shall be compensated for by planting trees to the satisfaction of relevant Government projects. Required numbers and locations of compensatory trees shall be determined and agreed separately with Government during the Tree Felling Application process under ETWBTC 3/2006.	enhance landscape	Contractor	Within Project site	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	<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	<ul> <li>Guidelines on</li> <li>Greening of Noise</li> <li>Barriers, issued April</li> <li>2012, GLTMS, DevB</li> <li>ETWB TCW 2/2004</li> </ul>	N/A
S10.10.1 Table 10.11	LV11	<u>Green Roof</u> Roof greening will be established on ventilation and administration buildings to reduce exposure to untreated concrete surfaces and particularly mitigate visual impact to VSRs at high levels.	Minimize landscape and visual impact	Contractor	Within Project site	Construction Phase	/	N/A
S10.10.1 Table 10.11	LV12	<u>Reinstatement</u> All works areas, excavated areas and disturbed areas for tunnel construction and temporary road diversion or any other proposed works shall be reinstated to former conditions or better, with reasonable landscape treatment and to the satisfaction of the relevant Government departments. (Specific mitigation for disturbance to public open space is detailed separately under LV14)	Minimize landscape impact	Contractor	Within Project site	Construction Phase	/	N/A
S10.10.1 Table 10.11	LV13	Reprovising of Public Open Space All areas of public open space affected by the Project will be reprovisioned either at the same location following the completion of temporary works, or at a separate site, as agreed with relevant Government departments. Open space should be re-provisioned in an enhanced manner.	Minimize landscape impact	Contractor	Within Project site	Construction Phase	Open space should be re- provided in an enhanced manner.	N/A
Cultural Her	ritage Impact (	Construction Phase)				1		
S11.4.4	СНІ	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	Location / Timing	Implementatio n Stage	Requirements and/ or standards to be achieved	Implementation Status
EM&A Proj	ect							
S13.2	EM1	An Independent Environmental Checker needs to be employed as per the EM&A Manual	Control EM&A Performance	Highways Department	All construction sites	Construction stage	<ul> <li>EIAO Guidance Note</li> <li>No. 4/2010</li> <li>TM-EIAO</li> </ul>	۸
\$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	<ul> <li>EIAO Guidance Note</li> <li>No. 4/2010</li> <li>TM-EIAO</li> </ul>	٨
		Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures;						۸
		An environmental impact monitoring needs to be implemented by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.						٨

Remarks: E	M&A Programme under EP-457/2013/C
^	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: April 2021

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.