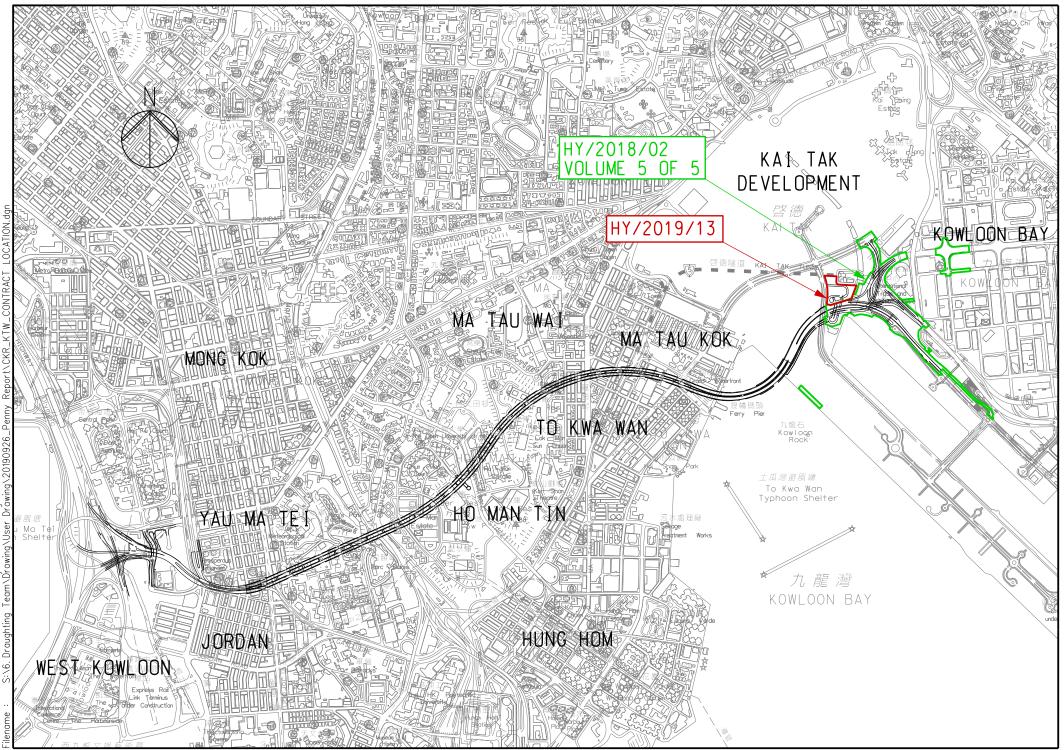
Vol. 5 of 5

EP-457/2013/C Central Kowloon Route Kai Tak East Contract No. HY/2018/02 & Buildings, Electrical and

Buildings, Electrical and Mechanical Works Contract No. HY/2019/13 (Kai Tak East Area) February 2021



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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.18 (February 2021)
Date of Report:	8 March 2021 (Rev. 1)
Date received by IEC:	8 March 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/plan complies with the above referenced condition of EP-457/2013/C.

Mandy 20.

Ms Mandy To Independent Environmental Checker Date:

8 March 2021

Our ref: 0436942_IEC Verification Cert_KTE_Monthly EM&A Rpt No.18.docx



Alchmex – Paul Y Joint Venture

Central Kowloon Route Contract HY/2018/02

Section of Kai Tak East

Monthly EM&A Report No. 18

(Period from 1 to 28 February 2021)

Rev. 1

(8 Mar 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)	K.

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- G. Monitoring Schedules of the Reporting Month
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EXECUTIVE SUMMARY

- A.1 Alchmex Paul Y Joint Venture ("Contractor") commenced the construction works of Highway Department (HyD) Central Kowloon Route Contract No. HY/2018/02 – Section of Kai Tak East ("The Project") on 9 September 2019. This is the 18th monthly Environmental Monitoring and Audit (EM&A) report presenting the EM&A works carried out during the period from 1 February 2021 to 28 February 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 1A, 2B, 3B, Kai Cheung U Turn & Kai Cheung Loop Road.
- Construction Work for the Foot Bridge at Kai Fuk Road.
- Sheet piling Works for Adit at Area Part 1B.
- Sheet piling 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.
- A.3 A summary of regular construction dust monitoring activities in this reporting period is listed below:

Construction dust (24-hour TSP) monitoring	
E-A1	5 times
Construction dust (1-hour TSP) monitoring	
E-A1	15 times

- A.4 Joint weekly site inspections were conducted by representatives of Environmental team (ET), Contractor and Engineer on 3, 10, 17 and 24 February 2021. Also, a joint site inspection with Independent Environmental Checker (IEC) was undertaken on 10 February 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 3 and 17 February 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.
- 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. 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 1A, 2B, 3B, Kai Cheung U Turn & Kai Cheung Loop Road.
- Construction Work for the Foot Bridge at Kai Fuk Road.
- Sheet piling Works for Adit at Area Part 1B.
- Sheet piling 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.
- 1.5. The project organisational chart specifying management structure and contact details are shown in Appendix C.
- 1.6. A summary of the valid permits, licences, and /or notifications on environmental protection for this Project is presented in Table 1.2

Table 1.2 Summary of the Status of V	Valid Environmental Licence,
--------------------------------------	------------------------------

Permit/ Licences/	Valid	Period			
	v anu		Statura	Domonia	
Notification	From	То	Status	Remark	
/Reference No.					
Environmental Permit		<u>.</u>		-	
EP-457/2013/C	23 Apr 2019	End of Project	Valid	-	
Wastewater Discharge Lie	cense				
WT00035029-2019	17 Dec 2019	31 Dec 2024	Valid	-	
Notification of Constructi	on Works under	the Air Pollution	n Control (Construct	ion Dust) Regulation	
445001	Apr 2019	Dec 2023	Notified	-	
Chemical Waste Produce	r Registration	•			
WPN5113-247-A2940-01	17 May 2019	End of Project	Valid	-	
Billing Account for Dispo	sal of Constructi	on Waste			
7034073	15 Jun 2019	End of Project	Valid	-	
Construction Noise Permi	it	•			
GW-RE0894-20	28-Oct-20	27-Apr-21	Valid	General Work for Area A	
GW-RE0853-20	16-Oct-20	15-Apr-21	Valid	General Work for Area B and Site Office	
GW-RE0902-20	29-Oct-20	23-Apr-21	Valid	Kai Cheung U Turns	
GW-RE-1060-20	14-Dec-20	11-Jun-21	Valid	Portion 2B	
GW-RE-0070-21	4-Feb-21	30-Mar-21	Valid	Central Divider Removal	
CW DE1010 20	15 Dec 20	11 Eab 21	Valid until	Contra Flow at Kai Fuk	
GW-RE1010-20	15-Dec-20	11-Feb-21	11-Feb-21	Road	
GW-RE0008-21	23-Jan-21	15-Mar-21	Valid	Resurfacing at Lam Hing Street	

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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

EP Condition (EP-457/2013/C)	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 (January 2021)	11 Feb 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:

Table 2.2 Summ	ary for the location	of monitoring station
----------------	----------------------	-----------------------

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

3. 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	882106	22 Jul 2020
24-hour TSP	TE-5170X High Volume	1049	4 and 19 Feb 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 1st measurement;
 - The filter paper was weight and provided by HOKLAS lab (Acumen Laboratory and Testing Limited and ALS Technichem (HK) Pty Ltd) before and after the sampling. Certificate of HOKLAS accredited laboratory can be referred to Appendix I;
 - The airflow over time during sampling process was recorded by the HVS.
- 3.3.3. HVSs were free-standing with no obstruction. The following criteria were considered in the installation of the HVS:
 - Appropriate support to secure the samples against gusty wind needed to be provided the monitoring station;
 - A minimum of 2m separation from walls, parapets and penthouses was required for rooftop samplers;
 - No furnace or incinerator flues was nearby;
 - Airflow around the sampler was unrestricted; and
 - Permission could be obtained to set up the samplers and gain access to the monitoring station.
 - Any wire fence and gate, to protect the sampler, should not cause any obstruction during monitoring
 - A secured supply of electricity is needed to operate the samplers.
- 3.3.4. Preparation of Filter Papers
 - Glass fiber filters were labelled and sufficient filters that were clean and without pinholes were selected;
 - ♦ All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25°C and not varied by more than ±3°C; the relative humidity (RH)was 40%; and

• Acumen Laboratory and Testing Limited and ALS Technichem (HK) Pty Limited, as HOKLAS accredited laboratory, implemented comprehensive quality assurance and quality control programmes on the filters.

3.3.5. Field Monitoring

- The power supply was checked to ensure that the HVS was working properly;
- The filter holder and area surrounding the filter were cleaned;
- The filter holder was removed by loosening the foul bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully;
- The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter;
- The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied should be sufficient to avoid air leakage at the edges;
- The shelter lid was closed and secured with an aluminum strip;
- The HVS was warmed- up for about 5 minutes to establish run- temperature conditions;
- A new flow rate record sheet was inserted into the flow recorder;
- The flow rates of the HVS was checked and adjusted to between 1.13-1.19 m³min⁻¹, which was within the range specified in the EM&A Manual (i.e. 0.6- 1.7 m³min⁻¹);
- The programmable timer was set for a sampling period of 24 hours ±hour, and the starting time, weather condition and filter number were recorded;
- The initial elapsed time was recorded;
- At the end of sampling, the sampled filter was removed carefully and folded in half so that only surfaces with collected particulate matter were in contact;
- The filter paper was placed in a clean plastic envelope and sealed; all monitoring information was recorded on a standard data sheet and
- The filters were sent to (Acumen Laboratory and Testing Ltd and ALS Technichem (HK) Pty Ltd) for analysis.
- 3.3.6. Maintenance and Calibration
 - The HVS and their accessories were maintained in a good working condition. For example, motor brushes were replaced routinely and electrical wiring was checked to ensure a continuous power supply; and
 - ◆ The flow rate of each HVS with mass flow controller was calibrated using an orifice calibrator, Initial calibrations of the dust monitoring equipment were conducted upon installation and prior to commissioning. Five-point calibration was carried out for HVS using TE-5025A Calibration Kit and TE-5028A Calibration KIT. HVS is calibrated in fortnightly Intervals. The calibration records for the HVS is given in Appendix H.
- 3.3.7. Wind Data Monitoring
 - The wind speed has been recorded from Hong Kong Observatory- King's Park meteorological station, along with portable wind speed meter stand by as back up if malfunction occurred or data was not recorded from HKO

3.4. Monitoring Locations

Air Quality

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

Table 3.2 Location of the Dust Monitoring Station

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

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

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

Table 3.3: Summary of Impact Monitoring Programme

3.6. Result Summary

Air Quality

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

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

Table 3.4	Observation at	Dust M	Ionitoring	Station

3.6.2. Air quality impact monitoring for the reporting month was carried out on 5, 11, 17, 22 and 27 February 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.

			, ,
Monitoring Location	Range(µg/m ³)	Action Level(µg/m ³)	Limit Level(µg/m ³)
E-A1	40 - 58	279	500
Ta	ble 3.6 Summary of 24-h	our TSP Monitoring Result	ŝS
Monitoring Location	Range(µg/m ³)	Action Level(µg/m ³)	Limit Level(µg/m ³)
E-A1	21 - 78	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	S
	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)			
Feb-2021	10,517.75	0.00	46.76	0.01	0.00	0.00

Table 3.7	Quantities	of waste	generated	from	the Proje	ect
14010 5.7	Zumminos	or music	Souciation	nom		sec

4. SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTIONS

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

140	ne 4.1 Environmental Co		
Complaint Received via	Project Hotline	Complaint Received via	a 1823 or from other
		government departments	
Contractor notify ER, ET	Land IEC	ER notify Contractor, ET	and IEC
Contractor notify ER, E1		ER notify Contractor, ET	
Contractor log complair	nt and date of receipt ont	o the complaint database. Co	ontractor, ER and ET to
	conduct investig	gation of complaint	
If complaint is considere	d not valid	If complaint is found valie	d
ET or ER to reply the con	mnlainant if necessary	Contractor to identify a	nd implement remedial
ET of ER to reply the con	inplainant if necessary	measures in consultation	-
			with the IEC, ET and
		ER.	
		The ER, ET and IEC to	review the effectiveness
		of the Contractor's reme	edial measures and the
		updated situation; ET t	o undertake additional
		monitoring and audit to	verify the situation if
		necessary, and oversee the	at circumstances leading
		to the complaint do not	t recur. ER to conduct
		further inspection as nece	ssary.
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 the	_
	-	or already taken, for submiss	
moustres and addition	-	•	Non to Li D within the
		igned by the EPD	
	-	ults of the investigation, sub	-
address the complaint a	and updated situation inc	luding the effectiveness of t	he 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 3, 10, 17 and 24 February 2021, along with bi-weekly inspection of the implementation of landscape and visual mitigation measures conducted on 3 and 17 February 2021.
- 5.2. One joint site inspection with IEC also undertaken on 10 February 2021. Minor deficiencies were observed during weekly site inspection. Key observations during the site inspections are summarized in Table 5.1.

Date	Environmental Observations	Follow-up Status
	1. Detached breaker should be wrapped with	1. Tarpaulin sheet was provided
	impervious sheets before placing on the	to the detached breaker.
3 February 2021	ground at Portion 2B.	2. Sandbags were provided to
	2. Sand bags should be provided to prevent	prevent run-off from the
	run-off at KITEC.	construction site.
10 February 2021	NA	NA
17 Eshmore 2021	1. Chemical container was found without drip	1. The chemical container was
17 February 2021	tray at Portion 2B.	removed.
24 Echmony 2021	1. Opened cement bag was found without	1. Impervious sheet was provide to
24 February 2021	proper covering at Portion 1A.	cover the cement bags.

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.

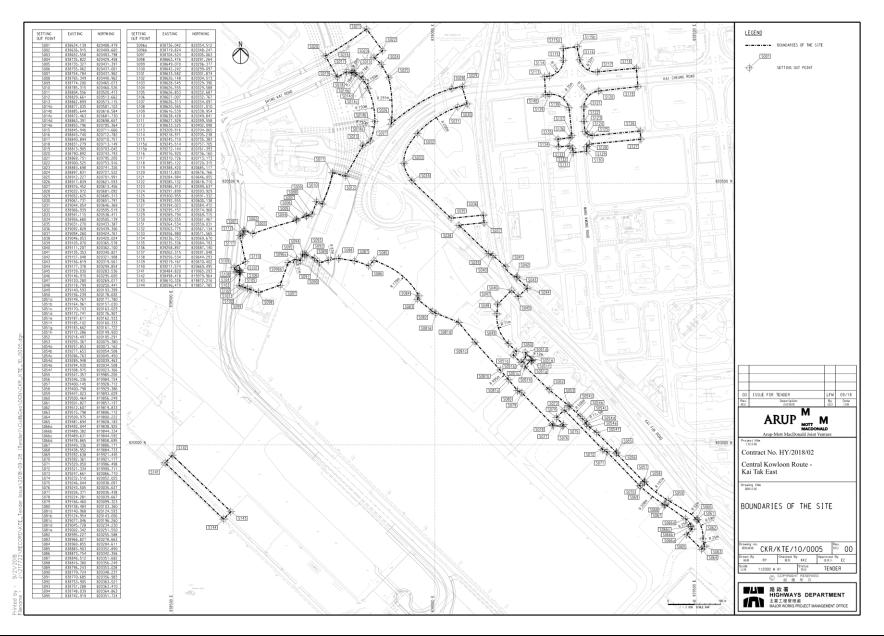
6. FUTURE KEY ISSUES

- 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.
 - 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.
- 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 18th monthly EM&A Report presents the EM&A works undertaken during the period from 1 Febraury 2021 to 28 February 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 10 February 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

ata Date: 25-Feb-21 int Date: 02-Mar-21			Contract No. HY/2018/02 Centre Kowloon Route - Kai Tak East Orig Dur Stat Law Stat Law Finish Total February March April											Alchmex - Paul Y Joint Venture												
y ID	Activity Name		Orig Dur	Start	Finish	Late Start	Late Finish	Total Float	TRA (Day)	February 22		Marc 23	h			April 24				May 25				June 26		=
Central Kowlo	oon Route - Kai Tak East	(Month 22 Undate) (Re	600	28-Feb-20 A	30-Mar-22	26-May-20	01-Mar-25	855		31 07 14 21	28	07 14	4 21	28	04	11	18	25	02	<u>19 16</u>	6 23	30	06	13	20	2
	RIES AND GENERAL REQ		154	30-Nov-20 A	16-Jun-21	29-Dec-20	01-Mar-25	1089	0.00																	
	Dates and Milestones					29-Dec-20			0.00																	
Key Dates			91	31-Dec-20 A	25-Apr-21	29-Dec-20	01-Mar-25	1406	0.00																	
Sections of the	ne Works		91	31-Dec-20 A	25-Apr-21	29-Dec-20	01-Mar-25	1406	0.00																	
KD-07	KD07 - Section 7: Comprises all the v	vorks in Part 5A (31/12/2020)	0		31-Dec-20 A		01-Mar-25																			
KD-03		vks in Part 2C except Establishment Works	; 0		30-Mar-21*		29-Dec-20	-91						•												
KD-10	for Landscape Softworks (486d) EO	T 130.5d ortion of KFR Footbridge within Part 3F	0		25-Apr-21*		05-Apr-21	-20																		
	and Opening for Pedestrians (646d) t Safety Audit Scheme ACC	EOT 67.5d	0	21-lan-21 A	21-Jan-21 A	07-Apr-22	07-Apr-22		0.00																	
Safety Aduit	t Salety Adult Scheme Acc	531(5)	0	21-Jan-21 A					0.00																	
SA-1108	4th Safety Audit at 6 months interval	h.		21-Jan-21 A	er wirer A	07-Apr-22	07 7401 22		0.00																	
	-		154	20 Nov 20 A	16 Jun 21	25 May 22	07.500.22	262	0.00																	
	edule (WSD/DSD/CLP/TG/	PCCW/HKB/ATC/KT Tun	154	30-Nov-20 A	16-301-21	2511ay-22	07-Sep-22	363	0.00																	
Utilities Month					10-JUN-21		07-Sep-22	303	0.00																	
UU-1106	7th Utilities monthly meeting			30-Nov-20 A		25-May-22				_																
UU-1108	8th Utilities monthly meeting			05-Feb-21 A		25-May-22																				
UU-1110	9th Utilities monthly meeting			15-Apr-21		11-Jul-22		363								•								_		
UU-1042	10th Utilities monthly meeting			16-Jun-21		07-Sep-22		363																•		
	DENGINEERING			28-Feb-20 A					0.00																	
	Design & Engineering			28-Feb-20 A	25-Feb-21	03-Mar-21	29-Sep-22		0.00																	
CSD-B for Bridg	<u>.</u>			10-Aug-20 A		19-Jul-21	18-Jul-22	408	0.00																	
Detailed Desig	gn for Bridge S2, S7 & S8 - Piers	s & Deck	159	10-Aug-20 A	25-Feb-21	19-Jul-21	18-Jul-22	408	0.00																	
Bridge S2			132	18-Aug-20 A	25-Feb-21	19-Jul-21	19-Jul-21	116	0.00																	
DES-0176	CSD-B(S2 Piers & Deck) Submit to P approval	M & all relevant parties for review and	52	18-Aug-20 A	25-Feb-21	19-Jul-21	19-Jul-21	116	-																	
DES-0178	CSD-B(S2 Piers & Deck) Consent to s	start the works	0		25-Feb-21		19-Jul-21	116		•																
Bridge S7			159	10-Aug-20 A	25-Feb-21	22-Jul-21	22-Jul-21	119	0.00																	
DES-0182	CSD-B(S7 Piers & Deck) Submit to P approval	M & all relevant parties for review and	39	10-Aug-20 A	25-Feb-21	22-Jul-21	22-Jul-21	119	-																	
DES-0184	CSD-B(S7 Piers & Deck) Consent to s	start the works	0		25-Feb-21		22-Jul-21	119		•																
Bridge S8			146	25-Aug-20 A	25-Feb-21	18-Jul-22	18-Jul-22	408	0.00																	
DES-0186	CSD-B(S8 Piers & Deck) ICE Checkin	g and approval	12	25-Aug-20 A	25-Feb-21	18-Jul-22	18-Jul-22	408	-																	
DES-0190	CSD-B(S8 Piers & Deck) Consent to s	start the works	0		25-Feb-21		18-Jul-22	408		•																
CSD-F for Foun	ndation of Ring Road Underpas	s & Ventilation Adit	278	28-Feb-20 A	25-Feb-21	02-Aug-22	02-Aug-22	421	0.00																	
Detailed Desig	gn for Foundation of Ring Road	Underpass & Ventilation Adit	278	28-Feb-20 A	25-Feb-21	02-Aug-22	02-Aug-22	421	0.00																	
DES-0198	CSD-F Submit to PM & all relevant pa	arties for review and approval	51	28-Feb-20 A	25-Feb-21	02-Aug-22	02-Aug-22	421	-																	
DES-0200	CSD-F Consent to start the works		0		25-Feb-21		02-Aug-22	421		•																
CSD-G for Brid	lges across Kai Tak River (3 spar	ns to 2 Spans)	262	19-Mar-20 A	25-Feb-21	03-Mar-21	29-Sep-22	470	0.00																	
Current Mile Adual Work Critical Rem Remaining 1	rk naining Work	Central K	owloo				st (Monti ing Proç			e) (Rev16 - CSD)	Base	line: ut: KTE - 3	WP16_M22 Months Ro rs: 3 Month	Illing Prog		- Submiss	sion.		Date 30-Nov-21 21-Deo-20 30-Deo-20 20-Jan-21 20-Feb-21 25-Feb-21	0 Month 0 Subrr 0 Month 1 Subrr 1 Subrr	hly Program nit CSD Prog hly Program nit CSD Prog nit CSD Prog hly Program	gramme Re me M20 gramme Re gramme Re	M19 v14 v 15	Ch TST TST TST TST TST TYY	DC DC DC DC DC	

tivity ID	Activity Name	Orig Dur	Start	Finish	Late Start	Late Finish	Total	TRA (Dec)	February 22	Ma	rch		April 24			May 25				June 26		Ju
					03-Mar-21		Float 470	(Day)	24 31 07 14 21	28 07	14 21	28 04	11	18 25	02	09	16	23 30	06	13	20	27
	In for Bridge S1, S3, S4, CKRE & CKRW - Piers & Deck		19-Mar-20 A	25-Feb-21		29-Sep-22																
Bridge S3			27-Mar-20 A	25-Feb-21	29-Sep-22	29-Sep-22	470	0.00														
DES-0236	CSD-G(S3 Piers & Deck) Submit to PM & all relevant parties for review a approval	nd 51	27-Mar-20 A	25-Feb-21	29-Sep-22	29-Sep-22	470															
DES-0238	CSD-G(S3 Piers & Deck) Consent to start the works	0		25-Feb-21		29-Sep-22	470		•													
Bridge S4		190	27-Mar-20 A	25-Feb-21	03-Mar-21	03-Mar-21	6	0.00														
DES-0242	CSD-G(S4 Piers & Deck) Submit to PM & all relevant parties for review a approval	nd 24	27-Mar-20 A	25-Feb-21	03-Mar-21	03-Mar-21	6															
DES-0244	CSD-G(S4 Piers & Deck) Consent to start the works	0		25-Feb-21		03-Mar-21	6		•													
Bridge CKRE	& CKRW	262	19-Mar-20 A	25-Feb-21	22-May-21	22-May-21	69	0.00														
DES-0248	CSD-G(CKRE & CKRW Piers & Deck) Submit to PM & all relevant parties review and approval	for 47	19-Mar-20 A	25-Feb-21	22-May-21	22-May-21	69															
DES-0250	CSD-G(CKRE & CKRW Piers & Deck) Consent to start the works	0		25-Feb-21		22-May-21	69		-													
Temporary W	/orks Design & Engineering	247	28-Aug-20 A	09-Jul-21	17-Aug-20	18-Jun-22	276	0.00							-							
DES - Tempora	ry Works for Bridges	108	25-Feb-21	09-Jul-21	30-Dec-20	18-Jun-22	276	0.00														
	mp working platform for Bridge S1/S9 over Kai Fuk Road	50	25-Feb-21	28-Apr-21	10-Jul-21	06-Sep-21	108	0.00														
DES-1320	DES - ICE checking and approval		25-Feb-21	26-Mar-21	10-Jul-21	09-Aug-21	108															
DES-1322	DES - Project Manager checking and approval; consent to start the Porta	24	27-Mar-21	28-Apr-21	10-Aug-21	06-Sep-21	108															
DES_T05 - Ter	works mp working platform for Bridge S7 over Kai Cheung Slip I		25-Feb-21	09-Jun-21	30-Dec-20	23-Sep-21	88	0.00														
DES-1324	DES - Prepare preliminary proposal submission		25-Feb-21	12-Apr-21	30-Dec-20	10-Feb-21	-42						_									
DES-1326	DES - ICE checking and approval	24		11-May-21	29-Jul-21	25-Aug-21	88									_						
DES-1328	DES - Project Manager checking and approval; consent to start the Porta		12-May-21	09-Jun-21	26-Aug-21	23-Sep-21	88															
	working platform for Bridge S2 & S8 over KF Rd & KC		25-Feb-21	09-Jun-21	30-Dec-20	28-Apr-22	259	0.00														
DES_106 - 1e	DES - Prepare preliminary proposal submission		25-Feb-21	12-Apr-21	30-Dec-20	10-Feb-21	-42	0.00														
DES-1330 DES-1332					28-Feb-22	26-Mar-22	-42															
	DES - ICE checking and approval		13-Apr-21	11-May-21									-									
DES-1334	DES - Project Manager checking and approval; consent to start the Porta works		12-May-21	09-Jun-21	28-Mar-22	28-Apr-22	259															
	S Design for Bridge S7 - 7B-S7 to 7D-S7		13-Apr-21	30-Jun-21	23-Apr-21	12-Jul-21	9	0.00														
DES-1372	DES - Prepare preliminary proposal submission	36	13-Apr-21	26-May-21	23-Apr-21	05-Jun-21	9															
DES-1374	DES - ICE checking and approval	5	27-May-21	01-Jun-21	07-Jun-21	11-Jun-21	9															
DES-1376	DES - Project Manager checking and approval; consent to start the ELS	works 24	02-Jun-21	30-Jun-21	12-Jun-21	12-Jul-21	9															-
DES_T17 - EL	S Design for Bridge S8 - 8A-S8 to 8D-S8	72	13-Apr-21	09-Jul-21	19-Mar-22	18-Jun-22	276	0.00														
DES-1378	DES - Prepare preliminary proposal submission	36	13-Apr-21	26-May-21	19-Mar-22	05-May-22	276						_				-					
DES-1380	DES - ICE checking and approval	12	27-May-21	09-Jun-21	06-May-22	20-May-22	276												_			
DES-1382	DES - Project Manager checking and approval; consent to start the ELS	works 24	10-Jun-21	09-Jul-21	21-May-22	18-Jun-22	276												E			-
DES - Tempora	ry Works for Underpasses, Adit and Roads	145	25-Nov-20 A	26-Jun-21	17-Aug-20	24-Aug-21	49	0.00														
DES_T08 - Te	mp works for construction of Sign Gantries, Lighting Pole	5 & ' 62	13-Apr-21	26-Jun-21	11-Jun-21	24-Aug-21	49	0.00														
DES-1390	DES - Prepare preliminary proposal submission	36	13-Apr-21	26-May-21	11-Jun-21	24-Jul-21	49						_		1							
DES-1392	DES - ICE checking and approval	26	27-May-21	26-Jun-21	26-Jul-21	24-Aug-21	49															
DES_T10 - Te	mporary works for Traffic Deck over Underpass S3	60	13-Apr-21	24-Jun-21	11-Feb-21	04-May-21	-42	0.00														
DES-1402	DES - Prepare preliminary proposal submission (ELS for Box Section and	i 36	13-Apr-21	26-May-21	11-Feb-21	31-Mar-21	-42															
DES-1404	Ramps) DES - ICE checking and approval	24	27-May-21	24-Jun-21	01-Apr-21	04-May-21	-42														_	
			,			,																
Current Mile	stone									Project ID: KTI	-WP16 M22					Date		Revision			hecked Ap	prove
Actual Work	Centra	l Kowloo	on Rout	e - Kai [·]	Tak Eas	st (Mont	h 22	Upda	ite) (Rev16 - CSD)	Baseline:						eo-20 Su	bmit CSD P	imme Update hogramme Re		TST	r DC	
Critical Rem	aining Work					ing Prog				Layout: KTE -			e 'E - Submission		30-De 20-Ja	n-21 Su		rogramme Re		TST	r DC	
						- •	-				iers. 3 MUNINS	Notiting_1, K1	E - SUDINISSION		20-Fe		bmit CSD P nthly Progra	rogramme Re amme M22	ev 16	TYY		_
										Page 2 of 19							, a-			1		_

ctivity ID	Activity Name	Orig Dur Start	Finish	Late Start	Late Finish	Total Float	TRA (Day)	February 22	March April 23 24		May 25		Ju	ie	July 27
DEC 733 714	Design for Undemans 62	24 25-Nov-20 /	11.0m20.4	17-Aug-20	17-Aug-20	Float	(Day)	24 31 07 14 21	28 07 14 21 28 04 11	18 25 02	09 1	5 23 30	06 1	3 20	27
	6 Design for Underpass S3						0.00								
DES-1412	DES - Project Manager checking and approval; consent to start Underpass S3	24 25-Nov-20 4			17-Aug-20										
	ry works for Kai Fuk Road Footbridge	193 28-Aug-20 /			17-Dec-20	-104	0.00								
	5 Design for Demolition of Subway KS20	193 28-Aug-20 A			17-Dec-20	-104	0.00								
DES-1444	DES - Prepare preliminary proposal submission (ELS for demolish upper part of ramp)	36 28-Aug-20 /	A 15-Mar-21	15-Oct-20	03-Nov-20	-104									
DES-1446	DES - ICE checking and approval	26 16-Mar-21	19-Apr-21	04-Nov-20	03-Dec-20	-104									
DES-1448	DES - Project Manager checking and approval; consent to start the works at Existing Subway	12 20-Apr-21	04-May-21	04-Dec-20	17-Dec-20	-104									
PROCUREME	NT, MANUFACTURING & DELIVERIES	60 04-Jan-21 A	15-Mar-21	02-Feb-21	26-Feb-21	-14	0.00								
Procurement	of Sleeve Pipes														
PRO-1890	PRO - Issue PO for Procurement of Sleeve Pipes (Tentative 16/11/20)	0 04-Jan-21 A	v	02-Feb-21											
PRO-1892	PRO - Procurement of Sleeve Pipes	60 04-Jan-21 A	15-Mar-21	02-Feb-21	26-Feb-21	-14									
CONSTRUCTI	ION	494 24-Jun-20 #	30-Mar-22	26-May-20	07-Nov-22	179	891.50								
	rary Traffic Management Scheme														
TTM Scheme fo		0 26-Apr-21	26-Apr-21	11-Dec-20	11-Dec-20	-103	0.00								
KFR-TTA-1	TTA - Kai Fuk Road - Stage 1	0 26-Apr-21		11-Dec-20		-103				-					
Section 1 - All	I the Works of the Site, except Section 2 to 17	308 06-Aug-20 4		26-Mav-20	07-Nov-22	355	484.00								
Sch_1 Prelimin		232 06-Nov-20 #		10-Jun-20	10-Jul-21	-37	137.00								
Site Establishn		232 06-Nov-20 /			10-Jul-21		137.00								
		232 06-Nov-20 /			10-Jul-21		137.00								
	eel platform over Kai Tak River	232 06-Nov-20 A			10-301-21	-37	137.00								
DIA Stage 1					26-Apr-21	-54	-11.00								
1-2034	SE(Stage1) - Additional GI for pile 1D	15 03-Dec-20 /			09-Sep-20		1.00								
1-2322	SE(Stage 1) - Preparation work for riverbed; Coring & Temporary pre-grouting for 1D-S1/S9-A (1 nr)				09-Sep-20		4.00								
1-2036	SE(Stage 1) - Install F3 concrete block and decking for Portion 1 (S1)	48 05-May-21	02-Jul-21	25-Feb-21	26-Apr-21	-54	6.00			-					
1-2318	SE(Stage 2a) - Temporary steel platform & Cofferdam for (F2-4, F2-5, F2-6, F2-7, F1C) 1E pile	65 06-Nov-20 A	A 03-Mar-21	17-Jul-20	23-Jul-20	-179	12.00								
1-2324	SE(Stage 2a) - Coring & Temporary pre-grouting for 1E-S1 (1 nr)	48 11-Mar-21	11-May-21	31-Jul-20	24-Sep-20	-179	6.00				-				
1-2058	SE(Stage 2a) - Extract exisiting sheetpile within pile 1E-S1	6 13-Apr-21	19-Apr-21	18-Sep-20	24-Sep-20	-161	3.00								
DIA Stage 2		154 24-Dec-20 A	10-Jul-21	18-Aug-20	24-Feb-21	-109	42.00								
1-2040	SE(Stage 2) - Temporary steel platform for (F2-8, F2-17, F2-13, F2-14) 2nd Row	43 24-Dec-20 A	05-Mar-21	18-Aug-20	26-Aug-20	-155	6.00								
1-2042	SE(Stage 2) - Temporary steel platform & Cofferdam for F1B(1) - 3E-S3	21 06-Mar-21	30-Mar-21	27-Aug-20	19-Sep-20	-152	6.00								
1-2043	SE(Stage 2) - Temporary steel platform & Cofferdam for F1B(2) - CKRE-KS	25 11-Mar-21	13-Apr-21	22-Sep-20	22-Oct-20	-134	6.00								
1-2044	SE(Stage 2) - Temporary steel platform for (F2-19, F2-20) 3rd Row	25 31-Mar-21	04-May-21	20-Jan-21	24-Feb-21	-54	6.00			_					
1-2046	SE(Stage 2) - Coring & Temporary pre-grouting for 3E-S3 (1 nr)	48 12-Apr-21	08-Jun-21	09-Oct-20	04-Dec-20	-144	6.00						-		
1-2048	SE(Stage 2) - Coring & Temporary pre-grouting for CKRE-K5 (2 nrs)	60 28-Apr-21	10-Jul-21	07-Nov-20	19-Jan-21	-134	9.00								
1-2060	SE(Stage 2) - Extract exisiting sheetpile within pile 3E-S1	6 11-May-21	17-May-21	28-Nov-20	04-Dec-20	-126	3.00				_				
DIA Stage 3		111 21-Nov-20 #		15-Jul-20	31-Aug-20	-181	12.00								
1-2052	SE(Stage 3) - Temporary steel platform (F2-21, F2-32, F2-22) 1st Row	31 21-Nov-20 /		15-Jul-20	23-Jul-20	-184	6.00								
1-2332	SE(Stage 3) - Temporary steel platform (F2-25, F2-29, F2-26) 2nd Row	33 06-Mar-21		24-Jul-20	31-Aug-20	-181	6.00								
		001021		2.50.20	51. by 20	101	5.00								
Current Miles	stone								Project ID: KTE-WP16 M22		Date	Revision		Checked /	
Adual Work	Central K	owloon Rou	te - Kai	Tak Eas	st (Mont	h 22 l	Jpda	ite) (Rev16 - CSD)	Baseline:	21-D	eo-20 Subr	nly Programme Update nit CSD Programme Re		TST DO	с
Critical Remaining V	aining Work				ing Prog			,, ,	Layout: KTE - 3 Months Rolling Programme Filter: TASK filters: 3 Months Rolling_1, KTE - Submissio	20-Ja	an-21 Subr	nly Programme M20 nit CSD Programme Re		TST DO TST DO	с
					- •	-				2044		nit CSD Programme Re nly Programme M22	v 16	TYY D	
									Page 3 of 19						

Activity ID	Activity Name		Orig Dur	Start	Finish	Late Start	Late Finish	Total	TRA	_		Februar	1		Ma	arch			April 24			M	ay NS			June 26		July 27
DIA Stage 4			105	19-Apr-21	23-400-21	01-500-20	10-3-4-21	Float	(Day)	24	31	07 1	4 21	28	07	14 21	28	04	11	18 2	25 02	09	16	23	30 06	i 13	20	27 4
1-2054	CE/Chap () Tompound that all the end of the	1D(2) for CVPH11/F	105	10.421	11.M 21	01.6 20	22.6 26	-101	6.00																			
	SE(Stage 4) - Temporary steel platform & Cofferdam F piles			19-Apr-21	11-May-21	01-Sep-20	22-Sep-20	-181	6.00																			
1-2056	SE(Stage 4) - Temporary steel platform & Cofferdam F			21-Apr-21	13-May-21	03-Sep-20	24-Sep-20	-181	6.00																			
1-2320	SE(Stage 4) - Temporary steel platform & Cofferdam F			28-Apr-21	20-May-21	18-Nov-20	08-Dec-20	-125	6.00																			
1-2325	SE(Stage 4) - Coring & Temporary pre-grouting for CK			27-May-21	06-Aug-21	28-Apr-21	10-Jul-21	-23	9.00															_				
1-2326	SE(Stage 4) - Coring & Temporary pre-grouting for 44		60	29-May-21	09-Aug-21	12-Oct-20	21-Dec-20	-181	9.00															-				
1-2327	SE(Stage 4) - Coring & Temporary pre-grouting for 4k	(-54-B (2 nrs)	60	12-Jun-21	23-Aug-21	08-Jan-21	25-Mar-21	-121	9.00																			
									6.00																			
1-2334	SE(Stage 5) - Install F3 concrete block and decking for (S1/S3/CKRE)	r Portion 2	48	08-May-21	06-Jul-21	09-Dec-20	05-Feb-21	-115	6.00	1												-	_	_		-		
Mitigation Mea	asures - Grout Curtain Barrier (NCE-0086)		60	02-Dec-20 A	28-Jan-21 A	10-Jun-20	10-Jun-20		0.00																			
For 1E-S1/S9)-2 pile			02-Dec-20 A					0.00																			
1-1516-7	GCB - 1E-S1/S9 - Grout holes drilling & grouting (8 nr	s)	60	02-Dec-20 A	28-Jan-21 A	10-Jun-20	10-Jun-20			-																		
Sch_2 Ground	Investigation		80	04-Mar-21	11-Jun-21	24-Jul-20	07-Jan-21	-121	10.00																			
S1 - Pre-drillin	Ig		6	04-Mar-21	10-Mar-21	24-Jul-20	30-Jul-20	-179	1.00																			
2-2110	S1 - Pre-drilling over Kai Tak River for 1E-S1 (1 nr)		6	04-Mar-21	10-Mar-21	24-Jul-20	30-Jul-20	-179	1.00																			
S3 - Pre-drillin	ig		6	31-Mar-21	10-Apr-21	30-Sep-20	08-Oct-20	-144	1.00																			
2-2142	S3 - Pre-drilling over Kai Tak River for 3E-S3(1 nr)		6	31-Mar-21	10-Apr-21	30-Sep-20	08-Oct-20	-144	1.00								-	_										
S4 - Pre-drillin	Ig		24	14-May-21	11-Jun-21	25-Sep-20	07-Jan-21	-121	4.00																			
2-2156	S4 - Pre-drilling over Kai Tak River for 4K-S4-A (2 nrs)		12	14-May-21	28-May-21	25-Sep-20	10-Oct-20	-181	2.00													-						
2-2154	S4 - Pre-drilling over Kai Tak River for 4K-S4-B (2 nrs)		12	29-May-21	11-Jun-21	22-Dec-20	07-Jan-21	-121	2.00																	-		
CKRW - Pre-d	rilling		12	12-May-21	26-May-21	08-Dec-20	21-Dec-20	-119	4.00																			
2-2222	CKRW - Pre-drilling over Kai Tak River K5-CKRW-1 (1 n	r)	6	12-May-21	18-May-21	08-Dec-20	14-Dec-20	-119	2.00													_						
2-2220	CKRW - Pre-drilling over Kai Tak River K5-CKRW-2 (1 n	r)	6	20-May-21	26-May-21	15-Dec-20	21-Dec-20	-119	2.00														_	_				
Sch_3.1 Bridge	e S1 Works			25-Feb-21	09-Jul-21	09-Sep-20	26-Apr-21	-60	17.00																			
S1 - Piling Wo			108	25-Feb-21	09-Jul-21	09-Sep-20	22-Jan-21	-130	8.00																			
	ABUT A-1A-S1		24	25-Feb-21	24-Mar-21	23-Dec-20	22-Jan-21	-46	0.00																			
3.1-2302	S1 - ABUT A-1A-S1 Proof drilling & Piles testing			25-Feb-21	24-Mar-21	23-Dec-20	22-Jan-21	-46	0.00																			
Piling Works -			36	12-May-21	24-Jun-21	25-Sep-20	09-Nov-20	-179	4.00																			
3.1-2304	S1 - Bored Piles for 1E-S1-1 (1 nr)			12-May-21	24-Jun-21	25-Sep-20	09-Nov-20	-179	4.00																			
	Pier P-1D-S1/S9-A			26-May-21	09-Jul-21	09-Sep-20	22-Oct-20	-205	4.00																			
3.1-2312	S1 - Bored Piles for 1D-S1/S9-1 (1 nr)			26-May-21	09-Jul-21	09-Sep-20	22-Oct-20	-205	4.00																			
	Pier / Abutment			08-Apr-21	30-Jun-21	23-Jan-21	22-00-20 26-Apr-21	-203	9.00																			
Abutment 1A-				08-Apr-21	30-Jun-21	23-Jan-21	26-Apr-21	-53	9.00																			
3.1-2322									2.00									_		_								
3.1-2322	S1 - Excavation Down to Formation Level A-1A-S1			08-Apr-21	21-Apr-21	23-Jan-21	05-Feb-21	-54																				
	S1 - Prepare Pile Head (3 nrs) A-1A-S1			22-Apr-21	07-May-21	08-Feb-21	01-Mar-21	-53	1.00																			
3.1-2326	S1 - Construct Abutment Base A-1A-S1			08-May-21	01-Jun-21	02-Mar-21	24-Mar-21	-53	3.00																			
3.1-2328	S1 - Construct Abutment A-1A-S1			02-Jun-21	30-Jun-21	25-Mar-21	26-Apr-21	-53	3.00																			
Sch_3.2 Bridge	e S2 Works		293	06-Aug-20 A	05-Aug-21	13-Nov-20	11-Mar-22	175	81.00																			
Current Mile	stone													Pr	oject ID: KT	E-WP16_M	22					Date lov-20	Monthly Pro	Rev ogramme Ups	ision Jate M19	TS	T DC	proved
Actual Work		Central Ko	owloo							ate)	(Rev16	6 - CS	D)		seline:	3 Months R	olling Pro	aramme			21-6	Dec-20	Submit CSE	D Programme ogramme M2	e Rev14	TS	T DC	
Remaining V				Th	ree Mor	th Rolli	ing Prog	gramn	ne							Iters: 3 Months R			Submissi	on.	20~	lan-21	Submit CSE	D Programme D Programme	e Rev 15	TS	T DC	
														Da	ge 4 of 19									ogramme M2		TY		
														1 10	90 101 10													

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rID	Activity Name	Orig Dur Start F	nish Late Start	Late Finish	Total Float	TRA (Day)	February 22	March April May June 23 24 25 26
S2 - Piling Wo	orks	293 06-Aug-20 A 05-4	ug-21 13-Nov-20	11-Mar-22	175		24 31 07 14 21	28 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20
Piling Works			Apr-21 26-Aug-21	23-Sep-21	124	0.00		
3.2-2502	S2 - 2A Proof drilling & Piles testing		Apr-21 26-Aug-21		124			
			4pr-21 20-40g-21 1av-21 13-Nov-20	18-Sep-21	124			
Piling Works					109			
3.2-2504	S2 - Bored Piles for 2B-S2-1 (1 nr)	36 07-Dec-20 A 22-3				5.00		
3.2-2505	S2 - Bored Piles for 2B-S2-2 (1 nr)		Apr-21 13-Nov-20	24-Dec-20	-80			
3.2-2506	S2 - 2B Proof drilling & Piles testing	24 13-Apr-21 11-P	Nay-21 23-Aug-21		109			
Piling Works	- Pier P-2C	226 24-Aug-20 A 03-2	un-21 30-Jul-21	02-Nov-21	125	20.00		
3.2-2508	S2 - Bored Piles for 2CL/2CR (4 nrs)	202 24-Aug-20 A 05-1	Nay-21 30-Jul-21	04-Oct-21	125	20.00		
3.2-2510	S2 - 2C Proof drilling & Piles testing	24 06-May-21 03-3	un-21 05-Oct-21	02-Nov-21	125	0.00		
Piling Works	- Pier P-2D	241 06-Aug-20 A 03-	un-21 30-Jul-21	11-Mar-22	227	20.00		
3.2-2512	S2 - Bored Piles for 2DL/2DR (4 nrs)	201 06-Aug-20 A 15-	Apr-21 30-Jul-21	13-Sep-21	125	20.00		
3.2-2514	S2 - 2D Proof drilling & Piles testing	24 06-May-21 03-	un-21 12-Feb-22	11-Mar-22	227	0.00		
Piling Works	- Pier P-2E	194 02-Dec-20 A 04-4	ug-21 04-Dec-20	26-May-21	-58	17.00		
3.2-2519	S2 - Mobilisation	11 02-Dec-20 A 14-D	ec-20 A 04-Dec-20	04-Dec-20		2.00		
3.2-2517-2	S2 - Bored Piles for 2EL-S2-2 Part 1 (upto -72.1mPD) (CNCE-0	042) 48 15-Dec-20 A 01-Fi	8b-21 A 13-Dec-20	13-Dec-20		7.00		
3.2-2517-3	S2 - Bored Piles for 2EL-S2-2 Part 2 (CNCE-0042)	54 02-Feb-21 A 31-1	4ar-21 13-Dec-20	17-Jan-21	-69			
3.2-2516	S2 - Bored Piles for 2ER (1 nr)		un-21 18-Jan-21	07-Apr-21	-69			
3.2-2517-1	S2 - Bored Piles for 2EL-S2-1 (CNCE-0042)		ug-21 08-Apr-21		-69			
			-					
Piling Works			ug-21 04-Dec-20	18-May-21	-78			
3.2-2520-1	S2 - Bored Piles for 2F-1 (Telescopic Casing Method)		Nay-21 04-Dec-20	24-Feb-21	-78			
3.2-2520-2	S2 - Bored Piles for 2F-2 (Telescopic Casing Method)	82 15-May-21 05-4	ug-21 25-Feb-21	18-May-21	-78	5.00		
S2 - Pile Caps	s, Pier / Abutment	18 04-Jun-21 25-	un-21 20-Sep-21	22-Nov-21	124	5.00		
Pier 2A		5 19-Jun-21 24-1	un-21 24-Sep-21	29-Sep-21	81	1.00		
3.2-2532	S2 - Install sheetpile for pile cap 2A	5 19-Jun-21 24-1	un-21 24-Sep-21	29-Sep-21	81	1.00		
Pier 2B		6 19-Jun-21 25-	un-21 20-Sep-21	27-Sep-21	78	1.00		
3.2-2542	S2 - Install sheetpile for pile cap 2B	6 19-Jun-21 25-1	un-21 20-Sep-21	27-Sep-21	78	1.00		
Pier 2CL/2CR		17 04-Jun-21 24-	un-21 03-Nov-21	22-Nov-21	125	3.00		
3.2-2552	S2 - Install sheetpile for pile cap 2CL/2CR	6 04-Jun-21 10-2	un-21 03-Nov-21	09-Nov-21	125	1.00		
3.2-2554	S2 - Excavation down to formation level 2CL/2CR	11 11-Jun-21 24-1	un-21 10-Nov-21	22-Nov-21	125	2.00		
Sch_3.3 Bridg	e S3 Works	119 25-Feb-21 22-	Jul-21 05-Dec-20	07-Nov-22	382	13.00		
S3 - Piling Wo		119 25-Feb-21 22-	Jul-21 05-Dec-20	06-Sep-22	332	4.00		
-	- ABUT A-3A-S3		4ar-21 23-Dec-20	22-Jan-21	-46			
3.3-2802	S3 - ABUT A-3A-S3 Proof drilling & Piles testing		4ar-21 23-Dec-20		-46			
	- Pier P-3E-S3		Jul-21 05-Dec-20	19-Jan-21	-144			
3.3-2804	S3 - Bored Piles for 3E-S3 (1 nr)		Jul-21 05-Dec-20	19-Jan-21	-144	4.00		
	- ABUT A-3D-S3		Apr-21 10-Aug-22	06-Sep-22	403	0.00		
3.3-2814	S3 - ABUT A-3D-S3 Proof drilling & Piles testing	24 25-Mar-21 26-	Apr-21 10-Aug-22	06-Sep-22	403	0.00		
🛡 Current Mile	lastrona							Date Revision Checked Ap
Actual Wor	* Ce	ntral Kowloon Route -	Kai Tak Eas	st (Mont	h 22	Upd	te) (Rev16 - CSD)	Project ID: KTE-WP16_M22 Monthly Programme Update M19 TST DC Baseline: 21-Dec20 Submit CSD Programme Rev14 TST DC
Critical Rem Remaining	naining Work		Month Roll				, (Layout: KTE - 3 Months Rolling Programme 30-Dec/20 Monthly Programme M20 TST DC
	YYAR							Filter: TASK filters: 3 Months Rolling_1, KTE - Submission. 20-Feb-21 Submit CSD Programme Rev 16 1YY DC 26-Feb-21 Monthy Programme Rev 2 1YY DC
								Page 5 of 19

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Activity ID	Activity Name		Orig Dur	Start	Finish	Late Start	Late Finish	Total	TR	A	_	Febr	ruary			Mare	h				April 24				May 25				June 26	
			65	22.421	10.1.125	00 5-1 5-1	07.0-07	Float	(Day	24	31	07	14 3	21 2	28 0	07 1	4 21	21	04	1	1 1	3 25	5 02	09	16	23	30	06	13	20 27
	;, Pier / Abutment			22-Apr-21	10-Jul-21	06-Feb-21	07-Nov-22	392																						
Abutment 3A	-S3		65	22-Apr-21	10-Jul-21	06-Feb-21	07-Nov-22	392	9.0	د																				
3.3-2820	S3 - Excavation Down to Formation Level A-3	453	12	22-Apr-21	06-May-21	06-Feb-21	26-Feb-21	-54	2.0	3												_								
3.3-2822	S3 - Prepare pile head (3 nrs) A-3A-S3		13	07-May-21	22-May-21	03-Sep-22	19-Sep-22	392	1.0	J																•				
3.3-2824	S3 - Construct Abutment Base A-3A-S3		21	24-May-21	17-Jun-21	20-Sep-22	15-Oct-22	392	3.0	ō																				
3.3-2826	S3 - Construct Abutment A-3A-S3		19	18-Jun-21	10-Jul-21	17-Oct-22	07-Nov-22	392	3.0	0																			-	_
Sch_3.4 Bridg	e S4 Works		117	25-Feb-21	20-Jul-21	24-Nov-20	29-Jun-22	276	28.0	D																				
S4 - Piling Wa	orks		96	25-Feb-21	24-Jun-21	24-Nov-20	27-May-21	-23	0.0	0																				
Piling Works	- ABUT A-4A-S4		24	27-Apr-21	26-May-21	28-Apr-21	27-May-21	1	0.0	0																				
3.4-3008	S4 - ABUT A-4A-S4 Proof drilling & Piles testin	g	24	27-Apr-21	26-May-21	28-Apr-21	27-May-21	1	0.0	.0																_				
Piling Works	- Pier P-4B-S4-A		24	25-Mar-21	26-Apr-21	23-Mar-21	23-Apr-21	-2	0.0	0																				
3.4-3010	S4 - 4B-S4-A Proof drilling & Piles testing			25-Mar-21	26-Apr-21	23-Mar-21	23-Apr-21	-2														_								
	- Pier P-4B-S4-B			25-Feb-21	24-Mar-21	24-Nov-20	21-Dec-20	-71																						
3.4-3014	S4 -4B-S4-B Proof drilling & Piles testing			25-Feb-21	24-Mar-21	24-Nov-20		-71		·																				
	- Pier P-4E-S4			27-May-21	24-Jun-21	26-Feb-21	25-Mar-21	-71																						
3.4-3034	S4 - 4E-S4 Proof drilling & Piles testing			27-May-21	24-Jun-21	26-Feb-21	25-Mar-21	-71																		-				-
Piling Works	- Pier P-4G-S4		24	25-Mar-21	26-Apr-21	13-Jan-21	09-Feb-21	-55	0.0	J																				
3.4-3044	S4 - 4G-S4 Proof drilling & Piles testing		24	25-Mar-21	26-Apr-21	13-Jan-21	09-Feb-21	-55	0.0	J							1													
S4 - Pile Caps	, Pier / Abutment		69	27-Apr-21	20-Jul-21	10-Feb-21	29-Jun-22	276	28.0	0																				
Abutment A-	4A-S4		29	31-May-21	05-Jul-21	26-May-22	29-Jun-22	289	5.0	0																				
3.4-3048	S4 - A-4A-S3 ELS		10	31-May-21	10-Jun-21	26-May-22	07-Jun-22	289	2.0	0																	-			
3.4-3050	S4 - Excavation Down to Formation Level A-4	4-S4	19	11-Jun-21	05-Jul-21	08-Jun-22	29-Jun-22	289	3.0	ō																		_		
Pier 4B-S4-A			51	27-Apr-21	28-Jun-21	24-Apr-21	25-Jun-21	-2	8.0	0																				
3.4-3062	S4 - Excavation Down to Formation Level 4B-	54-A	6	27-Apr-21	04-May-21	24-Apr-21	30-Apr-21	-2	2.0																					
3.4-3064	S4 - Prepare Pile Head (2nrs) for 4B-S4-A		9	05-May-21	14-May-21	03-May-21	12-May-21	-2	1.0	0																				
3.4-3066	S4 - Construct Pile Cap 4B-S4-A		18	15-May-21	05-Jun-21	13-May-21	03-Jun-21	-2	3.0																					
3.4-3068	S4 - Construct Pier 4B-S4-A (2 Lifts)			07-Jun-21	28-Jun-21	04-Jun-21	25-Jun-21	-2		_																		_		
Pier 4B-S4-B				05-May-21	05-Jul-21	29-Oct-21	28-Dec-21	146																						
3.4-3072	S4 - Excavation Down to Formation Level 48-	24.6		05-May-21	11-May-21		04-Nov-21																							
		54-15				29-Oct-21		146		_																_				
3.4-3074	S4 - Prepare Pile Head (2nrs) for 4B-S4-B			12-May-21	22-May-21	05-Nov-21	15-Nov-21	146	1.0															_		-				
3.4-3076	S4 - Construct Pile Cap 4B-S4-B			24-May-21	11-Jun-21	16-Nov-21	04-Dec-21	146																						
3.4-3078	S4 - Construct Pier 4B-S4-B (2 Lifts)		18	12-Jun-21	05-Jul-21	06-Dec-21	28-Dec-21	146	2.0	C																		-		
Pier 4G-S4			69	27-Apr-21	20-Jul-21	10-Feb-21	13-May-21	-55	8.0	3																				
3.4-3128	S4 - Prepare Pile Head (1 nr) for 4G-S4		13	27-Apr-21	12-May-21	10-Feb-21	03-Mar-21	-55	1.0	J												-		-						
3.4-3130	S4 - Construct Pile Cap 4G-S4		18	13-May-21	03-Jun-21	04-Mar-21	24-Mar-21	-55	3.0	õ														•						
3.4-3132	S4 - Construct Pier 4G-S4 (4 Lifts)		38	04-Jun-21	20-Jul-21	25-Mar-21	13-May-21	-55	4.0	ō																	-	_	-	
Sch_3.5 Bridg	e S7 Works		181	01-Dec-20 A	19-Jul-21	13-Jul-21	23-Apr-22	223	4.0	o																				
S7 - Piling Wo	orks		181	01-Dec-20 A	19-Jul-21	13-Jul-21	23-Apr-22	223	4.0	0																				
															1	1	1	1	1	1		1	1	1	1	1				
Current Mile Actual Wor Critical Rem Remaining	k naining Work	Central Ko	Central Kowloon Route - Kai Tak East (Month 22 Update) (Rev16 - CSD) Three Month Rolling Programme										Baselin Layout Filter:	ne: t: KTE - 3 TASK filte	WP16_M Months R rs: 3 Mon	tolling P			mission.		21 30 20	Date HNov-20 HDeo-20 HDeo-20 Han-21 HFeb-21 HFeb-21	Submit 0 Monthly Submit 0 Submit 0	Programme CSD Progra Programme CSD Progra	mme Rev 19 mme Rev 16	5	Chee TST TST TST TST TST TYY TYY	ded Approve DC DC DC DC DC DC DC DC		
															Page 6	5 of 19														

Activity ID	Activity Name		Orig Dur Sta	t Finish	Late Start	Late Finish	Total Float	TRA (Dav)	February 22	M	arch 23	April 24		M: 2	ау 5	Ju	une 26	July 27
Piling Work	us - Pier P-7C		181 01-Dec	-20 A 19-Jul-21	13-Jul-21	23-Apr-22	223	(Day)	24 31 07 14 21	28 07	14 21	28 04 11 18	25 02	2 09	16 23	30 06	13 20	27
3.5-3404	S7 - Bored Piles for 7C-S7 (1 nr)		51 01-Dec			13-Jul-21		4.00										
3.5-3404	S7 - 7C-S7 Proof drilling & Piles testing		24 21-Jur		23-Mar-22	23-Apr-22	223										_	
	lge S9 Works		162 14-Dec		08-Sep-20		-47											
S9 - Piling \			135 14-Dec				-86											
	us - Pier P-9B		96 14-Dec		18-Sep-20	11-Feb-21	-47											
3.7-3804	S9 - Bored Piles for 9B (2 nrs) - CSD		72 14-Dec	-20 A 17-Mar-21	18-Sep-20	10-Oct-20	-125	9.00			-							
3.7-3806	S9 - 9B Proof drilling & Piles testing		24 18-Ma	r-21 19-Apr-21	15-Jan-21	11-Feb-21	-47	0.00										
Piling Work	ts - Pier P-9C		63 18-Ma	r-21 05-Jun-21	12-Oct-20	24-Dec-20	-125	4.00										
3.7-3809	S9 - Bored Piles for 9C-1 (1 nr)		39 18-Ma	r-21 07-May-21	12-Oct-20	26-Nov-20	-125	4.00						-				
3.7-3810	S9 - 9C Proof drilling & Piles testing		24 08-Ma	y-21 05-Jun-21	27-Nov-20	24-Dec-20	-125	0.00						-				
Piling Work	s - Pier P-9D		24 25-Feb	24-Mar-21	17-Oct-20	14-Nov-20	-102	0.00										
3.7-3816	S9 - 9D Proof drilling & Piles testing		24 25-Feb	-21 24-Mar-21	17-Oct-20	14-Nov-20	-102	0.00	_									
Piling Work	ts - ABUT A-4H/9E		24 25-Feb	0-21 24-Mar-21	08-Sep-20	07-Oct-20	-134	0.00										
3.7-3820	S9 - 4H/9E Proof drilling & Piles testing		24 25-Fet	5-21 24-Mar-21	08-Sep-20	07-Oct-20	-134	0.00										
S9 - Pile Ca	ps, Pier / Abutment		84 25-Ma	r-21 09-Jul-21	08-Oct-20	12-May-21	-47	35.00										1
Pier 9B			66 20-Ap	r-21 09-Jul-21	19-Feb-21	12-May-21	-47	8.00										
3.7-3832	S9 - Install sheetpile for pile cap 9B		10 20-Ap	r-21 30-Apr-21	19-Feb-21	02-Mar-21	-47	1.00				-	_					
3.7-3834	S9 - Excavation down to formation level C-9E	3	11 03-Ma	y-21 14-May-21	03-Mar-21	15-Mar-21	-47	2.00										
3.7-3836	S9 - Prepare pile head (2nrs) C-9B-S9		10 15-Ma		16-Mar-21	26-Mar-21	-47	1.00										
3.7-3838	S9 - Construct pile cap C-9B-S9		15 28-Ma		27-Mar-21	17-Apr-21	-47	2.00										
3.7-3840	S9 - Construct Pier P-9B-S9 (2 Lifts)		20 16-Jur		19-Apr-21	12-May-21	-47											
	55 Consider for 55 55 (2 515)		21 07-Jur		28-Dec-20	21-Jan-21	-125	3.00										
Pier 9C 3.7-3842	S9 - Install sheetpile for pile cap 9C		10 07-Jur				-125										_	
3.7-3844	S9 - Excavation down to formation level C-90		11 19-Jur		09-Jan-21	21-Jan-21	-125											
Pier 9D			76 08-Ap		16-Nov-20	06-Mar-21	-99	15.00										
3.7-3852	S9 - Install sheetpile for pile cap 9D-A		4 08-Ap				-110											
3.7-3854	S9 - Install sheetpile for pile cap 9D-B		6 13-Ap		20-Nov-20	26-Nov-20	-110											
3.7-3856	S9 - Excavation down to formation level C-90		10 13-Ap		03-Dec-20	14-Dec-20	-99	2.00										
3.7-3858	S9 - Excavation down to formation level C-90	Ж	11 20-Ap				-110					-						
3.7-3860	S9 - Prepare pile head (1nr) C-9D-A-S9		5 24-Ap	r-21 29-Apr-21	15-Dec-20	19-Dec-20	-99	1.00										
3.7-3864	S9 - Construct pile cap C-9D-A-S9		8 30-Ap	r-21 10-May-21	21-Dec-20	31-Dec-20	-99	1.00					-	-				
3.7-3862	S9 - Prepare pile head (1nr) C-9D-B-S9		5 04-Ma	y-21 08-May-21	10-Dec-20	15-Dec-20	-110	1.00					-	-				
3.7-3866	S9 - Construct pile cap C-9D-B-S9		8 10-Ma	y-21 18-May-21	16-Dec-20	24-Dec-20	-110	1.00						_	-			
3.7-3868	S9 - Construct Pier P-9D-A-S9 (2 Lifts)		20 11-Ma	y-21 03-Jun-21	02-Jan-21	25-Jan-21	-99	2.00						-		-		
3.7-3870	S9 - Construct Pier P-9D-B-S9 (3 Lifts)		29 04-Jur	09-Jul-21	26-Jan-21	06-Mar-21	-99	3.00										
Abutment 4	1H/9E		80 25-Ma	r-21 05-Jul-21	08-Oct-20	18-Dec-20	-153	9.00										
3.7-3872	S9 - Install sheetpile for pile cap 4H/9E		8 25-Ma	r-21 07-Apr-21	08-Oct-20	16-Oct-20	-134	1.00			_							
Current Current Adual V Critical F Remain	Vork Remaining Work	Central Kov		oute - Kai Three Mo					e) (Rev16 - CSD)	Baseline: Layout: KTE -	TE-WP16_M22 - 3 Months Rolling ilters: 3 Months Ro	Programme Illing_1, KTE - Submission.	to be to be	21-Dec-20 \$ 30-Dec-20 1 20-Jan-21 \$ 20-Feb-21 \$	Rev Monthly Programme Up Submit CSD Programme Monthly Programme M2 Submit CSD Programme Submit CSD Programme M2	late M19 Rev14 D Rev 15 Rev 15	TST TST TST TYY	Approved DC DC DC DC DC DC DC

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Activity ID	Activity Name	Orig Dur	Start	Finish	Late Start	Late Finish	Total Float	TRA (Day)	February 22	March 23	April 24	May 25		June July 26 July 142 20 27
3.7-3874	S9 - Excavation down to formation level A-4	H/9E 13	30-Apr-21	15-May-21	17-Oct-20	02-Nov-20	-153	2.00	24 31 07 14 21	28 07 14 21 2	0 04 11 18	25 02 09 16	5 23 30 06	13 20 27
3.7-3878	S9 - Prepare pile head (6nrs) C-4H/9H	14	17-May-21	02-Jun-21	03-Nov-20	18-Nov-20	-153	2.00				-		
3.7-3880	S9 - Construct Abutment Base A-4H/9E	26	03-Jun-21	05-Jul-21	19-Nov-20	18-Dec-20	-153	4.00						
Sch_3.8 Brid	lge S1/S9 Works	148	23-Dec-20 A	02-Jul-21	26-May-20	10-May-21	-43	39.00						
S1/S9 - Pili	ng Works	144	23-Dec-20 A	27-Jun-21	26-May-20	03-May-21	-45	38.00						
Piling Work	s - Pier P-1E	107	20-Feb-21 A	24-Jun-21	10-Jun-20	03-May-21	-43	11.00						
3.8-4004	S1/S9 - Bored Piles for 1E-S1/S9 (2 nrs)	76	20-Feb-21 A	26-May-21	10-Jun-20	09-Sep-20	-213	11.00						
3.8-4006	S1/S9 - 1E Proof drilling & Piles testing	24	26-May-21	24-Jun-21	31-Mar-21	03-May-21	-43	0.00						
Piling Work	s - Pier P-1F/7A	142	28-Dec-20 A	27-Jun-21	26-May-20	24-Sep-20	-217	18.00						
3.8-3399	S1/S9 - Mobilisation	6	28-Dec-20 A	04-Jan-21 A	26-May-20	26-May-20		1.00						
3.8-4008-2	S1/S9 - Bored Piles for 1F/7A-S1/S9-2 Part 1	L (upto -56.5mPD) 36	05-Jan-21 A	09-Feb-21 A	26-May-20	26-May-20		5.00						
3.8-4008-4	S1/S9 - Bored Piles for 1F/7A-S1/S9-2 Part 2	2 64	10-Feb-21 A	02-Apr-21	26-May-20	01-Jul-20	-269	0.00			-			
3.8-4008-1	S1/S9 - Bored Piles for 1F/7A-S1/S9-1 Part	l (upto -83.6mPD) 85	03-Apr-21	27-Jun-21	02-Jul-20	24-Sep-20	-269	12.00						
Piling Work			23-Dec-20 A	01-Jun-21	25-Oct-20	06-Jan-21	-113	9.00						
3.8-4011	S1/S9 - Mobilisation		23-Dec-20 A		25-Oct-20	25-Oct-20		0.00						
3.8-4011-1	S1/S9 - Bored Piles for 1G-S1/S9-1 (Outer C	asing & Backfilling) 6	30-Dec-20 A	06-Jan-21 A	25-Oct-20	25-Oct-20		0.00						
3.8-4011-2	S1/S9 - Bored Piles for 1G-S1/S9-2 (Outer C		05-Jan-21 A		25-Oct-20	25-Oct-20		0.00						
3.8-4011-3	S1/S9 - Bored Piles for 1G-S1/S9-4 (Outer C		11-Jan-21 A		25-Oct-20	25-Oct-20		0.00						
3.8-4011-4	S1/S9 - Bored Piles for 1G-S1/S9-3 (Outer C		15-Jan-21 A		25-Oct-20	25-Oct-20		0.00						
3.8-4012-4	S1/S9 - Bored Piles for 1G-S1/S9-2 (Telesco		20-Jan-21 A		25-Oct-20	25-Oct-20		3.00						
3.8-4013-5	-53mPD) \$1/59 - Bored Piles for 1G-S1/59-2 (Telesco \$1/59 - Bored Piles for 1G-S1/59-2 (Telesco		20-Mar-21	28-Apr-21	25-Oct-20	03-Dec-20	-141	2.00				_		
3.8-4012-1	constraint)							4.00						
	S1/S9 - Bored Piles for 1G-S1/S9-1 (Telesco -56mPD)		29-Apr-21 24-Jun-21	01-Jun-21 02-Jul-21	04-Dec-20	06-Jan-21	-141 -43	4.00						
	e Caps, Pier / Abutment	6			,	,								
Pier 1E		6	24-Jun-21	02-Jul-21	04-May-21	10-May-21	-43	1.00						
3.8-4036	S1/S9 - Install sheetpile for pile cap 1E		24-Jun-21	02-Jul-21	04-May-21	10-May-21	-43	1.00						
	ige CKRW Works		22-Dec-20 A	17-Jul-21	26-Nov-20	07-Dec-21	119	14.00						
CKRW - Pili	-		22-Dec-20 A	26-Apr-21	26-Nov-20	19-Oct-21	144	4.00						
	s - ABUT A-K1-CKRW		22-Dec-20 A		26-Nov-20	07-Apr-21	8	4.00						
3.9-4217	CKRW - Bored Piles for ABUT A-K1-CKRW-2 (22-Dec-20 A	27-Jan-21 A	26-Nov-20	26-Nov-20		4.00						
3.9-4220	CKRW - ABUT A-K1-CKRW Proof drilling & Pi		25-Feb-21	24-Mar-21	06-Mar-21	07-Apr-21	8	0.00						
Piling Work	s - ABUT A-K4-CKRW	24	25-Mar-21	26-Apr-21	18-Sep-21	19-Oct-21	144	0.00						
3.9-4226	CKRW - ABUT A-K4-CKRW Proof drilling & Pi	les testing 24	25-Mar-21	26-Apr-21	18-Sep-21	19-Oct-21	144	0.00				1		
CKRW - Pile	e Caps, Pier / Abutment	83	08-Apr-21	17-Jul-21	08-Apr-21	07-Dec-21	119	10.00						
Abutment A	A-K1-CKRW	83	08-Apr-21	17-Jul-21	08-Apr-21	07-Dec-21	119	10.00						
3.9-4230	CKRW - Excavation Down to Formation Leve	A-K1-CKRW 14	08-Apr-21	23-Apr-21	08-Apr-21	23-Apr-21	0	2.00						
3.9-4232	CKRW - Prepare pile head (4nrs) A-K1-CKRW	17	24-Apr-21	14-May-21	15-Sep-21	06-Oct-21	119	1.00			-			
3.9-4234	CKRW - Construct Abutment Base A-K1-CKRM	V 19	15-May-21	07-Jun-21	07-Oct-21	29-Oct-21	119	3.00						
3.9-4236	CKRW - Construct Abutment A-K1-CKRW	26	17-Jun-21	17-Jul-21	08-Nov-21	07-Dec-21	119	4.00						
		1	,									Date	Rovision	Cherkeri American
Current	Vork Remaining Work	Central Kowloo				t (Month ng Prog			e) (Rev16 - CSD)	Project ID: KTE-WP16_M22 Baseline: Layout: KTE - 3 Months Rolling F Filter: TASK filters: 3 Months Roll Page 8 of 19		30-Nov-20 Month 21-Dec-20 Subm 30-Dec-20 Month 20-Jan-21 Subm 20-Feb-21 Subm	Ravision hy Programme Update M19 at CSD Programme Rev 14 hy Programme M20 at CSD Programme Rev 15 ht CSD Programme Rev 16 hy Programme M22	Checked Approved TST DC TYT DC TYY DC TYY DC

tivity ID	Activity Name		Orig Dur S	art Finish	Late Start	Late Finish	Total Float	TRA (Dav)	February 22	Ma	rch 3	_	April 24		May 25	1		June 26	Jul
	toad Underpass S3		186 26-No	v-20 A 20-Jul-21	. 17-Aug-20	10-Mar-21	-105	(Day)	24 31 07 14 21	28 07	14 21	28 04	11 18	25 02	09	16 23	30 06	13	20 27
	e 1 (Ramp W8-W7 & Box Section Bay	[,] B1)	186 26-No		. 17-Aug-20		-105												
	rpass (Ramp & Box Section Bay B1)		120 26-No	v-20 A 29-Apr-2	1 17-Aug-20	16-Oct-20	-153	12.00											
4-4553	S3 - Trial Trench for sheet pile installaiton		12 26-No	v-20 A 02-Dec-20	A 17-Aug-20	17-Aug-20		4.00											
4-4554	S3 - Install cofferdam		21 22-D	c-20 A 27-Feb-2	1 17-Aug-20	19-Aug-20	-153	2.00											
4-4558	S3 - Excavation down to 0.5m below 1st wal	ling & strut; install waling & strut	10 01-N	ar-21 11-Mar-2	1 20-Aug-20	31-Aug-20	-153	1.00											
4-4560	S3 - Excavation down to 0.5m below 2nd wa	aling & strut; install waling & strut	16 12-N	ar-21 30-Mar-2	1 01-Sep-20	18-Sep-20	-153	2.00		-	_	•							
4-4562	S3 - Excavation down to 0.5m below 3rd wa	aling & strut; install waling & strut	16 31-N	ar-21 22-Apr-2	1 19-Sep-20	09-Oct-20	-153	2.00					_						
4-4564	S3 - Excavation down to final formation level		6 23-4	pr-21 29-Apr-2	1 10-Oct-20	16-Oct-20	-153	1.00					-	_					
RC Structures	5		66 30-4	pr-21 20-Jul-21	14-Dec-20	10-Mar-21	-105	11.00											
Box Section			66 30-#	pr-21 20-Jul-21	. 14-Dec-20	10-Mar-21		11.00											
Bay B1 (L=2	20m) Pump Sump & FS Plant Room		66 30-4	pr-21 20-Jul-21	. 14-Dec-20	10-Mar-21	-105	11.00											
4-4566	S3-B1 - Construct Sump Pump Base slab		12 30-4	pr-21 14-May-2	1 14-Dec-20	29-Dec-20	-105	2.00											
4-4568	S3-B1 - Construct Base Slab (with Plant Room	n) & Sump Pump wall & slab	30 15-№			03-Feb-21	-105	5.00											
4-4570	upto -1.084 S3-B1 - Consturct RC Wall & Sump Pump wal		24 22-3	· .		10-Mar-21	-105	4.00											
		a aab upto +2.510						70.00											
	ning Walls and At-grade Road Works		153 19-De			17-May-21	-39												
Retaining Wa	alls		102 27-F			30-Nov-20	-169	39.00											
RW-S4			99 27 .F			30-Nov-20	-166	18.00											
5A-5136	RW-S4 - Excavation down to formation level - C-SB-2)	+3.6/+4.0 (After complete of	7 27-F	b-21 06-Mar-2	1 27-Jul-20	03-Aug-20	-173	1.00											
5A-5138	RW-S4 - Plate Load Test and Report		14 08-1	ar-21 23-Mar-2	12-Aug-20	27-Aug-20	-166	2.00			_								
5A-5140	RW-S4 - Construct Base Slab (Bay 10/9)		14 24-N	ar-21 13-Apr-2	1 28-Aug-20	12-Sep-20	-166	2.00			_		•						
5A-5142	RW-S4 - Construct Base Slab (Bay 8/7)		14 14-4	pr-21 29-Apr-2	1 14-Sep-20	29-Sep-20	-166	2.00					-	-					
5A-5144	RW-S4 - Construct Wall (Bay 10/9) ind. TCSS	duct	9 14-4	pr-21 23-Apr-2	1 25-Sep-20	07-Oct-20	-156	1.00					_						
5A-5146	RW-S4 - Construct Base Slab (Bay 6/5)		14 30-4	pr-21 17-May-2	1 30-Sep-20	17-Oct-20	-166	2.00						-	+ +				
5A-5148	RW-S4 - Construct Wall (Bay 8/7) ind. TCSS of	duct	9 30-4	pr-21 11-May-2	1 08-Oct-20	17-Oct-20	-161	1.00							-				
5A-5150	RW-S4 - Construct Base Slab (Bay 4)		7 18-№	ay-21 26-May-2	1 21-Oct-20	29-Oct-20	-164	1.00								_			
5A-5152	RW-S4 - Construct Wall (Bay 6/5) ind. TCSS of	duct	9 18-1	ay-21 28-May-2	1 19-Oct-20	29-Oct-20	-166	1.00								_			
5A-5154	RW-S4 - Construct Base Slab (Bay 3)		7 27-M	ay-21 03-Jun-2	1 02-Nov-20	09-Nov-20	-162	1.00								_			
5A-5156	RW-S4 - Construct Wall (Bay 4) ind. TCSS du	d	9 29-1	ay-21 08-Jun-2	1 30-Oct-20	09-Nov-20	-166	1.00											
5A-5158	RW-S4 - Construct Base Slab (Bay 2)		7 04-3	n-21 11-Jun-2	1 12-Nov-20	19-Nov-20	-160	1.00											
5A-5160	RW-S4 - Construct Wall (Bay 3) ind. TCSS du	d	9 09-3				-166	1.00											
5A-5160	RW-S4 - Construct Wall (Bay 2) ind. TCSS du		9 21-3			30-Nov-20	-166	1.00										-	
	TCSS du	~																-	
RW-S9			95 08-1				-173												
Stage 1			95 08-1				-173												
5A-5284	RW-S9 - Excavation down to formation level	+4.3/+4.8	7 08-1				-173	1.00											
5A-5286	RW-S9 - Plate Load Test and Report		14 16-1				-173	2.00											
5A-5288	RW-S9 - Construct Base Slab (Bay 11)		7 01-4	pr-21 13-Apr-2	1 28-Aug-20	04-Sep-20	-173	1.00											
5A-5290	RW-S9 - Construct Base Slab (Bay 10)		7 14-4	pr-21 21-Apr-2	1 05-Sep-20	12-Sep-20	-173	1.00					-						
															Data 1	-			
Current Mile		0			Tale F		L 00 .	la d	(Davide 000)	Project ID: KT	E-WP16_M22					konthly Programme L	Jodate M19	TST	ed Approved DC
Critical Rem	Critical Remaining Work		owloon F						ate) (Rev16 - CSD)	Baseline: Layout: KTE -	3 Months Rolling	Programme		30-0	Deo-20 M	ubmit CSD Program Ionthly Programme N	//20	TST	DC DC
Remaining Remaining	Remaining Work			Three Mo	min Koll	ing Pro	yramr	ne				olling_1, KTE - Se	ubmission.	20-F	eb-21 S	ubmit CSD Program ubmit CSD Program	me Rev 16	TST TYY	DC DC
										Page 9 of 19				254	eb-21 M	ionthly Programme N	/22	TYY	DC

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Activi	ty ID	Activity Name		Orig Dur	Start	Finish	Late Start	Late Finish	Total Float	TRA (Day)	February 22		March 23		April 24		M	ay 5		June 26		July 27
	5A-5292	RW-S9 - Construct Base Slab (Bay 9)		7	22-Apr-21	29-Apr-21	14-Sep-20	21-Sep-20	-173	2.00	24 31 07 14	21	28 07 14 21	28 04	11 18	25	02 09	16 23	30	06 13	20 2	7 4
	5A-5294	RW-S9 - Construct Base Slab (Bay 8)		7	30-Apr-21	08-May-21	22-Sep-20	29-Sep-20	-173	2.00							_					
	5A-5296	RW-S9 - Construct Base Slab (Bay 7)		7	10-May-21	17-May-21	30-Sep-20	09-Oct-20	-173	2.00							_	-				
	5A-5298	RW-S9 - Construct Base Slab (Bay 6)		7	18-May-21	26-May-21	10-Oct-20	17-Oct-20	-173	2.00								_				
	5A-5300	RW-S9 - Construct Base Slab (Bay 5)		9	27-May-21	05-Jun-21	19-Oct-20	29-Oct-20	-173	2.00												
	5A-5302	RW-S9 - Construct Base Slab (Bay 4)		9	07-Jun-21	17-Jun-21	30-Oct-20	09-Nov-20	-173	2.00												
	5A-5304	RW-S9 - Construct Wall (Bay 4)		14	18-Jun-21	05-Jul-21	10-Nov-20	25-Nov-20	-173	2.00												
	5A-5306	RW-S9 - Construct Base Slab (Bay 3)			18-Jun-21	28-Jun-21	16-Nov-20	25-Nov-20	-168	2.00										-		
	Road Works				19-Dec-20 A	05-Jul-21	21-Oct-20	17-May-21	-39	31.00												
	Initial Stage for	r Kai Fuk Road		14	18-Jun-21	05-Jul-21	30-Apr-21	17-May-21	-39	2.00												
	5A-5500	KFRd - Temp relocate existing Traffic Gantry (EB)	14	18-Jun-21	05-Jul-21	30-Apr-21	17-May-21	-39	2.00										-		
	Pre-stage at Ka	ai Fuk Road for KFR TTA Stage 1		91	19-Dec-20 A	19-Apr-21	21-Oct-20	10-Dec-20	-98	26.00												
	5A-5513	BIM - KFR(Pre-stage) - Laying Utilities / CLP /	Watermain / TCSS / ducting &		19-Dec-20 A	25-Feb-21	21-Oct-20	21-Oct-20	-98													
	5A-5515	cables etc. KFR(Pre-stage) - Construct footpath & temp b			24-Feb-21 A	24-Mar-21	22-Oct-20	19-Nov-20	-98	6.00												
	5A-5517	KFR(Pre-stage) - Temp / permanent drainage			24-Feb-21 A		22-Oct-20	26-Nov-20	-98	6.00												
	5A-5519	KFR(Pre-stage) - Road Pavement for KFR TTA			25-Mar-21	19-Apr-21	20-Nov-20	10-Dec-20	-98	2.00		Г										
			i staye s		05-Feb-21 A	23-Mar-21	17-Nov-20	10-Dec-20	-79	3.00												
	5A-5548	Kai Fuk Road Westbound S012 S012 - Sign Gantry G32 Footing			05-Feb-21 A			10-Dec-20	-79	3.00												
							17-Nov-20															
I.		struction of Existing Box Culvert			26-Nov-20 A		29-Jul-20	09-Jun-22	283	0.00												
		construction Works			26-Nov-20 A		29-Jul-20	09-Jun-22	283	0.00												
		Works - 2020/2021 Dry Season			26-Nov-20 A		29-Jul-20	31-Mar-21	0	0.00												
	Cell 2 and 3				26-Nov-20 A		29-Jul-20	29-Jul-20		0.00												
	6B-5730	BC - Base slab construction for cell 2 & 3(1 po			26-Nov-20 A		29-Jul-20	29-Jul-20														
	6B-5732	BC - Wall and top slab construction for cell 2			16-Dec-20 A		29-Jul-20	29-Jul-20														
	6B-5734	BC - Dismantle of formwork and remove all fa			28-Dec-20 A		29-Jul-20	29-Jul-20														
	6B-5736	BC - Re-open bulkhead wall at both end for o	ell 2		02-Jan-21 A		29-Jul-20	29-Jul-20														
										0.00												
	6B-5738	BC - Install bulkhead wall at both end for cell	4 (by diver)	2	04-Jan-21 A	05-Jan-21 A	29-Jul-20	29-Jul-20														
	6B-5740	BC - Demolish cell 3 & 4 wall and base slab (1	vire cutting)	8	06-Jan-21 A	14-Jan-21 A	29-Jul-20	29-Jul-20														
	6B-5742	BC - Base slab construction for cell 3 & 4		9	16-Jan-21 A	21-Jan-21 A	29-Jul-20	29-Jul-20														
	6B-5744	BC - Wall and top slab construction for cell 3	k4	11	22-Jan-21 A	04-Feb-21 A	29-Jul-20	29-Jul-20														
	6B-5746	BC - Dismantle of formwork and remove all fa	lisework from cell 3 & 4	4	05-Feb-21 A	09-Feb-21 A	29-Jul-20	29-Jul-20			-											
	6B-5750	BC - Re-open bulkhead wall at both end for o	ell 3 & 4	2	10-Feb-21 A	11-Feb-21 A	29-Jul-20	29-Jul-20														
	Cell 1 and 2			42	11-Feb-21 A	31-Mar-21	29-Jul-20	31-Mar-21	0	0.00												
	6B-5756	BC - Install bulkhead wall at both end for cell	1 & 2 (by diver)	2	11-Feb-21 A	16-Feb-21 A	29-Jul-20	29-Jul-20			-											
	6B-5758	BC - Demolish cell 1 & 2 wall and base slab (1	vire cutting)	8	17-Feb-21 A	24-Feb-21 A	29-Jul-20	29-Jul-20				-										
	6B-5760	BC - Base slab construction for cell 1 & 2		9	25-Feb-21 A	09-Mar-21	31-Jul-20	10-Aug-20	-172			-										
	68-5762	BC - Wall and top slab construction for cell 1	k 2	10	10-Mar-21	20-Mar-21	11-Aug-20	21-Aug-20	-172													
												-		i	1 1	1		i		i		
•	Current Milest	ining Work	Central Ko	Central Kowloon Route - Kai Tak East (Month 22 Update) (Rev16 - CSD) Three Month Rolling Programme										Programme Iling_1, KT	E - Submission.		21-Deo-20 30-Deo-20 20-Jan-21 20-Feb-21	Monthly Program Submit CSD Prog Monthly Program Submit CSD Prog Submit CSD Prog Monthly Program	gramme Rev14 me M20 gramme Rev 15 gramme Rev 16	מ זדו דדו דדו דדו דאי דאי	DC DC DC DC	ved
													Page 10 of 19									

Activity ID	Activity Name	Orig Dur	Start	Finish	Late Start	Late Finish	Total Float	TRA (Dav)	F	_	Fe	ebruary 22			Marci 23	1			April 24				May 25				Ju	ie	J
6B-5764	BC - Dismantle of formwork and remove all falsework from cell 1 & 2	4	22-Mar-21	25-Mar-21	22-Aug-20	26-Aug-20	-172	(Day)	24	31	07	14	21	28	07 14	21	28	04	11	18	25	02	09	16	23	30	06 1	3 2	0 27
									-							17.													
6B-5765	BC - Re-open bulkhead wall at both end for cell 1 & 2		26-Mar-21	27-Mar-21	27-Aug-20	28-Aug-20	-169																						
6B-5752	2020-2021 Dry Season - End	0		31-Mar-21*		31-Mar-21	0										Ţ.												
BC- Reinstate	ement Works	114	25-Jan-21 A	21-Jun-21	10-Mar-22	09-Jun-22	283	0.00																					
6B-5748	BC - Baddilling of C&D material between cell 4 and sheetpile wall at level +4.0mPD	15	25-Jan-21 A	13-Mar-21	10-Mar-22	26-Mar-22	307								_														
6B-5766	BC - Baddfiling of C&D material between cell 1 and sheetpile wall at level +4.0mPD	15	22-Mar-21	12-Apr-21	28-Mar-22	14-Apr-22	301		1										•										
6B-5770	BC - Removal of u channel at both end and final deaning for cell 3 & 4	4	26-Mar-21	30-Mar-21	22-Mar-22	25-Mar-22	292		1							•	-												
6B-5772	BC - Removal of bulkhead wall at both end and final deaning for cell 1 & 2	10	26-Mar-21	10-Apr-21	15-Mar-22	25-Mar-22	286											_											
6B-5774	BC - Reinstate the opening (hanging formwork) for cell 3 & 4	6	31-Mar-21	10-Apr-21	26-Mar-22	01-Apr-22	292										-												
6B-5776	BC - Reinstate the opening (hanging formwork) for cell 1 & 2	6	12-Apr-21	17-Apr-21	26-Mar-22	01-Apr-22	286																						
6B-5778	BC - Removal all hanging formwork inside the box culvert cell 1,2, 3 & 4 (by	10	19-Apr-21	29-Apr-21	02-Apr-22	14-Apr-22	286		-												_								
6B-5780	diver) BC - Removal of sheetpile wall		30-Apr-21	14-May-21	19-Apr-22	03-May-22	286																_						
6B-5782	BC - Reinstate hard paving and related UU		15-May-21	29-May-21	04-May-22	18-May-22	286																						
6B-5784	BC - Reinstate hard paving and realed of		31-May-21	12-Jun-21	19-May-22	01-Jun-22	286																				_		
																									1	_	_		
6B-5786	BC - Transplant 5 nos of tree in DSD compound		31-May-21	02-Jun-21	30-May-22	01-Jun-22	295																			-			
6B-5788	BC - Reinstate fending in DSD compound	6	15-Jun-21	21-Jun-21	02-Jun-22	09-Jun-22	286																						
6B-5790	BC - Complete reconstruction of Box Culvert	0		21-Jun-21		09-Jun-22	283																					•	
Section 3 - W	ang Kwong Road Junction Improvement Works	201	24-Jun-20 A	30-Mar-21	25-Nov-20	29-Dec-20	-71	24.50																					
SCH_5D Wang	g Kwong Road Junction Improvement Works	201	24-Jun-20 A	30-Mar-21	25-Nov-20	29-Dec-20	-71	20.50																					
TTM Stage 2a	-2b (WKR/LHS Junction - Kellett School)	4	08-Mar-21	11-Mar-21	22-Dec-20	28-Dec-20	-56	0.00																					
5-5979	WKR-Stage2-1 - Temporary traffic light setting up (LHS)	4	08-Mar-21	11-Mar-21	22-Dec-20	28-Dec-20	-56								-														
TTM Stage 2d	(WKR/KCR Junction - Kellett School)	83	11-Nov-20 A	11-Mar-21	28-Dec-20	28-Dec-20	-56	0.50																					
5D-6050	WKR-Stage2c - Road reinstatement	6	11-Nov-20 A	25-Feb-21	28-Dec-20	28-Dec-20	-43	0.50																					
5D-6054	- WKR-Stage2c - Completion of TTA Stage 2c	0		11-Mar-21		28-Dec-20	-56								•														
TTM Stage 2	(WKR/LHS Junction - Bus Depot) [CE-0033]	172	24-Jun-20 A		28-Dec-20	28-Dec-20	-43	2.50																					
5D-6072	WKR-Stage3 - Road Reinstatement and block paving		24-Jun-20 A		28-Dec-20	28-Dec-20	-43	1.00	L																				
5D-6068	WKR-Stage3 - Traffic light installation		01-Aug-20 A		28-Dec-20	28-Dec-20	-43	0.50																					
5D-6074	WKR-Stage3 - Ralling installation		25-Aug-20 A		28-Dec-20	28-Dec-20	-43	1.00																					
5D-6076	WKR-Stage3 - Completion of TTA Stage 3	0		25-Feb-21		28-Dec-20	-43																						
TTM Stage 5	(WKR / KCR Junction)	74	08-Dec-20 A	13-Mar-21	25-Nov-20	11-Dec-20	-70	1.50																					
5D-6160	WKR-Stage5 - New kerb island construction	6	08-Dec-20 A	14-Dec-20 A	25-Nov-20	25-Nov-20		0.50	1																				
5D-6162	WKR-Stage5 - Traffic bollard installation	6	11-Dec-20 A	17-Dec-20 A	25-Nov-20	25-Nov-20		0.50	1																				
5D-6164	WKR-Stage5 - Traffic light installation (Waiting EMSD inspection by early of Mar)	6	14-Dec-20 A	13-Mar-21	25-Nov-20	11-Dec-20	-70	0.50	-		-		-	-	-														
5D-6166	Mar) WKR-Stage5 - Completion of TTA Stage 5	0		13-Mar-21		11-Dec-20	-70		†						•														
TTM Stage 6	(Pavement Resurfacing and reinstatement works)	99	25-Nov-20 A	30-Mar-21	05-Dec-20	29-Dec-20	-71	16.00																					
5D-6170-5	WKR-Stage6 - Construct the signal drawpit for WKR/LHS Jundion Zone 5	13	25-Nov-20 A	12-Dec-20 A	05-Dec-20	05-Dec-20		1.00																					
5D-6170-7	WKR-Stage6 - Relocate kerb island for WKR/LHS Junction Zone 7	15	13-Dec-20 A	27-Dec-20 A	05-Dec-20	05-Dec-20		1.00																					
5D-6170-6	WKR-Stage6 - Pavement resultaring for WKR/LHS Junction Zone 6		28-Dec-20 A			05-Dec-20		1.00																					
30-01/0-0	The suggest and the resultance of the treat of the sum		20-06-20 A	51-06-20 A	05-08-20	03-08-20		1.00	L																				
Current Mi Actual Woo Critical Ren Remaining	k Central K	(owloo				st (Mont ing Prog			ate) (Rev	/16 -	CSD)		Baseli Layou Filter:	ne: t: KTE - 3	WP16_M22 Months Rol rs: 3 Month	ling Prog		Submissi	on.		Date 30-Nov-20 21-Deo-20 30-Deo-20 20-Jan-21 20-Feb-21 25-Feb-21) Mor) Sub) Mor Sub I Sub	thly Progra mit CSD Pr thly Progra mit CSD Pr mit CSD Pr mit CSD Pr thly Progra	rogramme imme M20 rogramme rogramme	Rev 14 Rev 15 Rev 16		Checke TST TST TST TST TYY TYY	d Approve DC DC DC DC DC DC DC DC

ctivity ID	Activity Name	Orig Dur Start	Finish	Late Start	Late Finish	Total Float	TRA (Day)	February 22	March 23	April 24	May 25	June 26
5D-6170-8	WKR-Stage6 - Pavement resurfacing for WKR/LHS Junction Zone 8	4 01-Jan-21 A	04-Jan-21 A	05-Dec-20	05-Dec-20		1.00	24 31 07 14 21	28 07 14 21	28 04 11 18 25	02 09 16 23	30 06 13 20 27
5D-6171	WKR-Stage6 - Control pillar box relocation (6 Mar 2021 by EMSD) (NCE-XXXX)	0	06-Mar-21*		05-Dec-20	-69			•			
5D-6170-9	(NLE-XXXX) WKR-Stage6 - Pavement resultating for WKR/LHS Junction Zone 9	2 07-Mar-21	08-Mar-21	06-Dec-20	07-Dec-20	-91	1.00		-			
10-6170-10	WKR-Stage6 - Pavement resulfacing for WKR/LHS Junction Zone 10	7 09-Mar-21	15-Mar-21	08-Dec-20	14-Dec-20	-91	1.00					
10-6170-11	WKR-Stage6 - Pavement resurfacing for WKR/LHS Junction Zone 11	7 16-Mar-21	22-Mar-21	15-Dec-20	21-Dec-20	-86	1.00					
10-6170-12	WKR-Stage6 - Pavement resurfacing for WKR/LHS Junction Zone 5	7 23-Mar-21	29-Mar-21	22-Dec-20	28-Dec-20	-91	1.00					
5D-6176	WKR-Stage6 - Remaining kerb; cross road drop kerb installation; Final	1 30-Mar-21	30-Mar-21	29-Dec-20	29-Dec-20	-91	8.00			•		
5D-6178	Inspection; Final completion works WKR-Stage6 - Completion of TTA Stage 6	0	30-Mar-21		29-Dec-20	-91				•		
5D-6180	Completion of Section 3	0	30-Mar-21		29-Dec-20	-91				•		
	Soft Landscape Works	12 15-Mar-21	27-Mar-21	12-Dec-20	28-Dec-20	-70	4.00					
8-6126	LS - Soft Landscaping works for Wang Kwong Road Junction Improvement	12 15-Mar-21	27-Mar-21	12-Dec-20	28-Dec-20	-70	4.00					
	stablishment Works for Landscape Softworks under	365 31-Mar-21	30-Mar-22	30-Dec-20	29-Dec-21	-91	0.00					
Sch_8 Establis		365 31-Mar-21	30-Mar-22	30-Dec-20	29-Dec-21	-91	0.00					
8-6128	S4 - Establishment Works for Landscape Softworks under Section 3											
		365 31-Mar-21	30-Mar-22	30-Dec-20	29-Dec-21	-91	0.00					
	entilation and E&M adit and Ring Road Underpass	192 02-Dec-20 A	02-Aug-21	23-Dec-20	11-Aug-21	8	61.00					
	ation and E&M Adit Works		02-Aug-21	23-Dec-20	07-Jul-21							
	, 1D3, 1B1 & 1B2	192 02-Dec-20 A		23-Dec-20	07-Jul-21		39.00					
VA - ELS Work		96 02-Dec-20 A	07-Apr-21	23-Dec-20	01-Feb-21	-46	10.00					
VA - ELS Stag												
6A-6536	VA - Excavation Down to 2nd waling & Strut; Install waling & Strut, 1B1&1B2	18 02-Dec-20 A	24-Dec-20 A	23-Dec-20	23-Dec-20		2.00					
6A-6538	VA - Excavation Down to 3rd waling & Strut; Install waling & Strut, 1B1&1B2	22 19-Dec-20 A	22-Jan-21 A	23-Dec-20	23-Dec-20		2.00					
6A-6539	VA - Excavation Down to 4th waling & Strut; Install waling & Strut, 1B1&1B2	23 23-Jan-21 A	25-Feb-21	23-Dec-20	23-Dec-20	-46	2.00					
6A-6540	VA - Excavation Down to 5th waling & Strut; Install waling & Strut, 1B1&1B2	20 26-Feb-21	20-Mar-21	24-Dec-20	19-Jan-21	-46	2.00	-				
6A-6542	VA - Excavation Down to Final Formation Level, 1B18:1B2	11 22-Mar-21	07-Apr-21	20-Jan-21	01-Feb-21	-46	2.00		_			
VA - RC Struct	bures	186 09-Dec-20 A	02-Aug-21	02-Feb-21	07-Jul-21	-22	29.00					
VA Sections -	Bay B2 (14m)	36 18-Dec-20 A	15-Mar-21	12-Apr-21	29-Apr-21		4.00					
6A-6546	VA-B3 - Construct RC Walls & Middle Slab	18 18-Dec-20 A	21-Jan-21 A	12-Apr-21	12-Apr-21		2.00					
6A-6548	VA-B3 - Construct RC Walls & Top Slab	18 22-Jan-21 A	15-Mar-21	12-Apr-21	29-Apr-21	35	2.00					
VA Sections -	Bay B3 (7m)	92 09-Dec-20 A	09-Apr-21	27-Mar-21	22-May-21	35	7.00					
6A-6550	VA-B4 - Construct Base Slab	8 09-Dec-20 A	17-Dec-20 A	27-Mar-21	27-Mar-21		3.00					
6A-6552	VA-B4 - Construct RC Walls & Middle Slab	18 18-Dec-20 A	25-Feb-21 A	22-Apr-21	22-Apr-21		2.00					
6A-6554	VA-B4 - Construct RC Walls & Top Slab	18 16-Mar-21	09-Apr-21	30-Apr-21	22-May-21	35	2.00					
VA Sections -	Bay B4 (15m)	43 04-May-21	24-Jun-21	27-Mar-21	22-May-21	-27	5.00					
6A-6562	VA-B6 - Construct Base Slab	18 04-May-21	25-May-21	27-Mar-21	21-Apr-21	-27	3.00					
6A-6564	VA-B6 - Construct RC Walls & Middle Slab		24-Jun-21	22-Apr-21	22-May-21	-27	2.00				_	
VA Sections -	Bay B5 (14.5m)	96 <u>08-Apr-21</u>	02-Aug-21	02-Feb-21	11-Jun-21	-42	5.00					
64-6568	VA-87 - Construct Base Slab	21 08-Apr-21	03-May-21	02-Feb-21	04-Mar-21	-46	3.00					
6A-6570	VA-B7 - Construct RC Walls & Middle Slab		02-Jun-21	05-Mar-21	07-Apr-21	-46	2.00					
0.100/0		L. Orray LI				10	2.00					
Current Mile Adual Work Catical Remaining V	c Central K				t (Montl ing Prog			e) (Rev16 - CSD)	Project ID: KTE-WP16_M2: Baseline: Layout: KTE - 3 Months Ro Filter: TASK filters: 3 Month Page 12 of 19			Z0 TST DC ne Rev 15 TST DC ne Rev 16 TYY DC

Activity ID	Activity Name	Orig Dur	Start	Finish	Late Start	Late Finish	Total	TRA	February 22	March April May June 23 24 25 26	July 27
(4 (57)	VA-B7 - Badsfilling to strik L3/L4/L5		02.2 - 24	02.4	12.121	44.1 - 24	Float	(Day)	24 31 07 14 21	23 24 23 20 20 28 07 14 21 28 04 11 18 25 02 09 16 23 30 06 13 20	27 4
6A-6571			03-Jun-21	02-Aug-21	13-Apr-21	11-Jun-21	-42				
6A-6574	VA-B8 - Construct Base Slab	23	03-Jun-21	30-Jun-21	08-Apr-21	05-May-21	-46	3.00			
VA Sections -											
6A-6598	VA-B12 - Construct Base Slab	24	04-May-21	01-Jun-21	06-Mar-21	07-Apr-21	-45	3.00			
6A-6600	VA-B12 - Construct RC Walls & Middle Slab	30	02-Jun-21	08-Jul-21	01-Jun-21	07-Jul-21	-1	2.00			
Sch_4.1 Ring R	Road Underpass	163	22-Dec-20 A	15-Jul-21	23-Feb-21	11-Aug-21	23	22.00			
RR - Part 1D1,	, 1D2, 1D3, 1D4, 1B1 & 1B2	163	22-Dec-20 A	15-Jul-21	23-Feb-21	11-Aug-21	23	22.00			
RR - ELS Work	s	163	22-Dec-20 A	15-Jul-21	23-Feb-21	13-Jul-21	-2	19.00			
RR - ELS Stag	je 2		22-Dec-20 A	13-Apr-21	23-Feb-21	10-Apr-21		10.00			
4-6724	RR - Excavation Down to 3rd waiing & Strut; Install waling & Strut, 1D1-1D4	21	22-Dec-20 A	29-Jan-21 A	23-Feb-21	23-Feb-21		4.00	_		
4-6725	RR - Excavation Down to 4th waling & Strut; Install waling & Strut; 1D1-1D4	24	30-Jan-21 A	25-Mar-21	23-Feb-21	23-Mar-21	-2	4.00			
4-6726	RR - Excavation Down to Final Formation Level, 1D1-1D4		26-Mar-21	13-Apr-21	24-Mar-21	10-Apr-21	-2				
RR - ELS Stag		71	20-Apr-21	15-Jul-21	17-Apr-21	13-Jul-21	-2	9.00			
4-6874	RR - Install Cofferdam - Stage 4	23	20-Apr-21	29-May-21	17-Apr-21	27-May-21	-2	3.00			
4-6876	RR - Excavation Down to 1st waling & Strut; Install waling & Strut, 1D1-1D4		31-May-21	16-Jun-21	28-May-21	12-Jun-21	-2				
4-6878	RR - Excavation Down to 2nd waling & Strut; Install waling & Strut;1D1-1D4		17-Jun-21	15-Jul-21	15-Jun-21	13-Jul-21	-2				
	ions, Pump Sump & FS Plant Room		14-Apr-21	30-Jun-21	27-May-21	11-Aug-21	35	3.00			
4-6774	RR-RU1 - Construct Sump Pump Base slab	26	14-Apr-21	14-May-21	27-May-21	26-Jun-21	35	3.00			
4-6775	RR-RU1 - Construct Side wall / Internal wall	38	15-May-21	30-Jun-21	28-Jun-21	11-Aug-21	35				
Section 10 - F	Footbridge, E&M Installation and Miscellaneous Wo	174	25-Nov-20 A	05-Jul-21	24-Jul-20	13-Mar-21	-89	128.00			
Sch_7 FB - Mair	in Span, Staricase A & B	120	25-Nov-20 A	25-Apr-21	24-Jul-20	10-Dec-20	-103	122.00			
FB - Abutment	ts, Pilecaps & Piers	64	28-Dec-20 A	10-Mar-21	24-Jul-20	20-Nov-20	-85	25.00			
FB - KITEC Por	rtion	64	28-Dec-20 A	10-Mar-21	19-Oct-20	20-Nov-20	-85	16.00			
ABUT A-SA2		44	30-Dec-20 A	26-Feb-21	19-Oct-20	20-Oct-20		4.00			
7-7094	FT-SA2 - Excavation down to formation level	2	30-Dec-20 A	31-Dec-20 A	19-Oct-20	19-Oct-20		0.00			
7-7095	FT-SA2 - Plate Load test and report	4	02-Jan-21 A	06-Jan-21 A	19-Oct-20	19-Oct-20		2.00			
7-7096	FT-SA2 - Construct Pile Cap for ABUT A-SA2	9	07-Jan-21 A	18-Jan-21 A	19-Oct-20	19-Oct-20		1.00			
7-7098	A-SA2 - Construct Abutment A-SA2	9	19-Jan-21 A	25-Feb-21 A	19-Oct-20	19-Oct-20		1.00			
7-7100	A-SA2 - Baddfilling		25-Feb-21	26-Feb-21	19-Oct-20	20-Oct-20	-101	0.00			
PIER P-SA1	-	46	28-Dec-20 A	26-Feb-21	19-Oct-20	20-Oct-20	-101	3.00			
7-7086	P-SA1 - Excavation down to formation level	2	28-Dec-20 A	29-Dec-20 4	19-Oct-20	19-Oct-20		0.00			
7-7088	P-SA1 - Construct Pile Cap for PIER P-SA1		07-Jan-21 A			19-Oct-20		1.00			
7-7090	P-SA1 - Construct Pier P-SA1		19-Jan-21 A		19-Od-20	19-Oct-20		2.00			
7-7090	P-SAL - Construct Pier P-SAL P-SAL - Baddilling		25-Feb-21	25-Jan-21 A 26-Feb-21	19-0d-20	20-Od-20	-101				
	-	2	25-rep-21	20-140-21	19-00-20	20-04-20	-101	0.00			
	Piller Box (KTE-PB-04A)	21	30-Jan-21 A	10-Mar-21	22-Oct-20	20-Nov-20	-85	9.00			
7-7069	FB - Pillar Box RC Structures (KTE_PB-04A) (CE-0128)	15	30-Jan-21 A	24-Feb-21 A	13-Nov-20	13-Nov-20		3.00			
										Date Revision Checked	Approved
Current Miles Adual Work		owlor	on Rout	e - Kai '	Tak Fas	t (Monti	h 22	Unda	te) (Rev16 - CSD)	Project ID: KTE-WP16_M22 30-Nov-20 Monthly Programme Update M19 TST D Baseline: 21-Dec20 Submit CSD Programme Rev14 TST D	0
Critical Rema	aining Work					ng Proc				Layout: KTE - 3 Months Rolling Programme 30-Dec20 Monthly Programme M20 TST D	2
Remaining V	nvork									Filter: TASK filters: 3 Months Rolling_1, KTE - Submission.	2
										Page 13 of 19	

ty ID	Activity Name	Orig I	dur Start	Finish	Late Start	Late Finish	Total Float	TRA (Dav)	February 22		March 23			April 24			May 25	1			June 26	
7-7067	FB - Sump pit for Lift A (CE-0127)		20 19-Feb-21 A	02-Mar-21	22-Oct-20	28-Oct-20	-98	(bay) 6.00	31 07 14 21	28 07	14 21	28	04	11 18	25	02	09	16	23 30	06	13	20
								0.00														
7-7071	FB - Pillar Box E&M works		6 03-Mar-21	09-Mar-21	13-Nov-20	19-Nov-20	-85															
7-7073	FB - CLP Power energization		0 10-Mar-21		20-Nov-20		-85			•												
FB - Main Spa	an Portion		33 25-Jan-21 A	06-Mar-21	24-Jul-20	19-Nov-20	-83	9.00														
ABUT A-SB2			2 25-Feb-21	26-Feb-21	24-Jul-20	25-Jul-20																
7-7116	A-SB2 - Baddfilling		2 25-Feb-21	26-Feb-21	24-Jul-20	25-Jul-20	-173	0.00														
Sump Pit and	d Piller Box (KTE-PB-04B)		33 25-Jan-21 A	06-Mar-21	30-Oct-20	19-Nov-20	-83	9.00														
7-7087	FB - Sump pit for Lift B (CE-0127)		18 25-Jan-21 A	10-Feb-21 A	30-Oct-20	30-Oct-20		6.00														
7-7089	FB - Pillar Box RC Structures (KTE-PB-048) (CE-0128)		15 01-Feb-21 A	09-Feb-21 A	13-Nov-20	13-Nov-20		3.00														
7-7091	FB - Pillar Box E&M works		6 25-Feb-21	03-Mar-21	13-Nov-20	19-Nov-20	-80															
7-7097	FB - CLP Power energization (CEWN-0122)		0	06-Mar-21*	101101 20	19-Nov-20	-83			_												
										Ī												
FB - Superstru			02 25-Nov-20 A		27-Jul-20	30-Nov-20	-97	13.00														
FB - Main Spa	an (FB1 - FB2)		26 25-Nov-20 A	06-Jan-21 A	27-Jul-20	27-Jul-20		0.00														
7-7184	MB - Remove Falsework and Formwork (FB1-FB2)		26 25-Nov-20 A	06-Jan-21 A	27-Jul-20	27-Jul-20		0.00														
FB - Main Spa	an (FB2 - FB3)		28 27-Nov-20 A	31-Dec-20 A	22-Oct-20	22-Oct-20		0.00														
FB - Main Sp	an (Mid Support to FB3)		28 27-Nov-20 A	31-Dec-20 A	22-Oct-20	22-Oct-20		0.00														
7-7348	MB - Construct Deck Section (mid support to FB3)		3 27-Nov-20 A	15-Dec-20 A	22-Oct-20	22-Oct-20		0.00														
7-7128	MB - Remove Falsework and Formwork (FB3 to mid support)		4 28-Dec-20 A	31-Dec-20 A	22-Oct-20	22-Oct-20		0.00														
FB - Lift A (Lif	ît Shaft)		18 20-Dec-20 A	13-Jan-21 A	22-Oct-20	22-Oct-20		4.00														
7-7188	LA - Structural Steel works (Prefabricate in module and erect in one ur	ait)	2 20-Dec-20 A	21-Dec-20 A	22-Ort-20	22-Oct-20		1.00														
7-7190	LA - Glazing/Louvre/Finishing/frame from shaft to roof		10 02-Jan-21 A			22-Oct-20		3.00														
FB - Lift B (Lif			13 17-Dec-20 A			30-Oct-20		2.00														
7-7194	LB - Structural Steel works (Prefabricate in module and erect in one un	nit)	3 17-Dec-20 A	18-Dec-20 A	30-Oct-20	30-Oct-20		2.00														
7-7196	LB - Glazing/Louvredadding/Finishing/frame from shaft to roof		10 19-Dec-20 A	04-Jan-21 A	30-Oct-20	30-Oct-20		0.00														
FB - Staircase	e A		48 30-Jan-21 A	07-Apr-21	21-Oct-20	30-Nov-20	- 9 7	6.00														
7-7130	SA - Construct Falsework and Formwork		8 30-Jan-21 A	08-Feb-21 A	21-Oct-20	21-Oct-20		1.00	-													
7-7131	SA - Install footbridge bearings		6 09-Feb-21 A	22-Feb-21 A	21-Oct-20	21-Oct-20		1.00														
7-7132	SA - Construct the Staircase A		24 23-Feb-21 A	26-Mar-21	21-Oct-20	18-Nov-20	-101	4.00			_											
7-7134	SA - Remove Falsework and Formwork		6 27-Mar-21	07-Apr-21	24-Nov-20	30-Nov-20	-97	0.00					-									
FB - Staircase	e B		25 02-Dec-20 A	16-Jan-21 A	27-Jul-20	27-Jul-20		1.00														
7-7137	SB - Install footbridge bearings		3 02-Dec-20 A	04-Dec-20 A	27-Jul-20	27-Jul-20		1.00														
7-7140	SB - Remove Falsework and Formwork		3 30-Dec-20 A			27-Jul-20		0.00														
			3 30-Dec-20 A		22-Oct-20	05-Dec-20	-98	48.00														
	Lift Installation																					
FB - Lift A			78 25-Jan-21 A		22-Oct-20	05-Dec-20	-98	24.00														
7-7142-1	LA - Lift works Installation		54 25-Jan-21 A		22-Oct-20	19-Nov-20	-98	6.00														
7-7142-2	LA - MVAC installaiton		24 04-Feb-21 A	24-Mar-21	22-Oct-20	19-Nov-20	-98	6.00														
7-7142-3	LA - Electrical works		30 04-Feb-21 A	17-Mar-21	30-Oct-20	19-Nov-20	-92	6.00			-											
7-7142-4	LA - Lighting installation		24 25-Feb-21 A	24-Mar-21	22-Oct-20	19-Nov-20	-98	6.00			_											
													i		i			i	i			
Current Mile											TE-WP16_M22	2				30-Nc		onthly Progra		e M19	TST	
Actual Worl	k Centr	al Kowlo							Rev16 - CSD)	Baseline: Lavout: KTE	- 3 Months Rol	lling Program	nme			21-De 30-De		ubmit CSD Pr onthly Progra		w14	TST TST	DC DC
Remaining			Th	ree Mor	nth Roll	ing Prog	gram	me			filters: 3 Month			omission.		20-Ja 20-Fe	1-21 SI	Jomit CSD Pr Jomit CSD Pr	rogramme R		TST	
										Page 14 of 1	٩					25-Fe		onthly Progra			TYY	
										1 raye 14 01 1	~											

ctivity ID	Activity Name		Orig Dur	Start	Finish	Late Start	Late Finish	Total Float	TRA (Dav)	February 22	N	March 23			April 24			Ma 25	у			June 26		Jul 21
7-7144	LA - Testing and Commissioning of Lift		6	25-Mar-21	31-Mar-21	20-Nov-20	26-Nov-20	-98	(July)	24 31 07 14 21	28 07		21 28	04	11	18 25	02	09	16	23	30 06	13	20	27
7-7146	LA - Submit LE5 to EMSD		0	01-Apr-21		27-Nov-20		-98						,										
7-7148	LA - Inspect by EMSD		8	01-Apr-21	14-Apr-21	27-Nov-20	05-Dec-20	-98	0.00					_	_									
7-7150	LA - Form 6 Approved by EMSD		0		14-Apr-21		05-Dec-20	-98							•									
FB - Lift B			72	25-Jan-21 A	07-Apr-21	30-Oct-20	05-Dec-20	-92	24.00															
7-7152-1	LB - Lift works Installation			25-Jan-21 A	17-Mar-21	30-Oct-20	19-Nov-20	-92	6.00			_												
7-7152-2	LB - MVAC installaiton			28-Jan-21 A	17-Mar-21	30-Oct-20	19-Nov-20	-92	6.00															
7-7152-3	LB - Electrical works			04-Feb-21 A	17-Mar-21	30-Oct-20	19-Nov-20	-92	6.00															
7-7152-5	LB - Lighting installation			11-Feb-21 A	17-Mar-21	30-Oct-20	19-Nov-20	-92	6.00															
7-7152-4	LB - Testing and Commissioning of Lift			18-Mar-21	24-Mar-21	20-Nov-20	26-Nov-20	-92	0.00															
					24-MdF-21		201100-20		0.00															
7-7156	LB - Submit LE5 to EMSD			25-Mar-21		27-Nov-20		-92					·											
7-7158	LB - Inspect by EMSD			25-Mar-21	07-Apr-21	27-Nov-20	05-Dec-20	-92	0.00															
7-7160	LB - Form 6 Approved by EMSD		0		07-Apr-21		05-Dec-20	-92						•										
FB - E&M Wo			48	02-Feb-21 A	14-Apr-21	27-Oct-20	02-Dec-20	-101	0.00															
7-7162	FB - E&M Works - Main span and Staircase A &	В	48	02-Feb-21 A	14-Apr-21	27-Oct-20	02-Dec-20	-101	0.00															
FB - Miscellan	neous Works		86	07-Jan-21 A	25-Apr-21	15-Oct-20	10-Dec-20	-103	36.00															
7-7164	FB - Roof Installation - Main Span		52	07-Jan-21 A	20-Mar-21	15-Oct-20	09-Nov-20	-104	4.00			_												
7-7171	FB - Inigation system for Main Span		48	09-Jan-21 A	12-Mar-21	17-Nov-20	02-Dec-20	-77	5.00															
7-7166	FB - Roof Installaiton - Staircase A & B		52	21-Jan-21 A	07-Apr-21	22-Oct-20	25-Nov-20	-101	4.00		-			-										
7-7165	FB - Lightning protection system		12	21-Jan-21 A	27-Feb-21	22-Oct-20	22-Oct-20	-99	6.00															
7-7168	FB - Finishing Works - Main Span and Staircase	A & B	28	23-Jan-21 A	10-Apr-21	23-Oct-20	25-Nov-20	-104	4.00		_	_		-										
7-7170	FB - Drainage Works - Main Span and Staircase	A & B ind sump pits	48	04-Feb-21 A	14-Apr-21	23-Oct-20	02-Dec-20	-101	0.00						-									
7-7167	FB - Lighting installation		48	04-Feb-21 A	14-Apr-21	23-Oct-20	02-Dec-20	-101	6.00					-	-									
7-7169	FB - Glazing and Cladding Installation		24	25-Feb-21	24-Mar-21	05-Nov-20	02-Dec-20	-87		_			•											
7-7172	FB - Balustrade Installation - Main Span and St	aircase A & B	24	13-Mar-21	14-Apr-21	05-Nov-20	02-Dec-20	-101	3.00		-	_		_	_									
7-7173	FB - Remove steel portal across Kai Fuk Road (1	Night work) (1)	12	12-Apr-21	24-Apr-21	26-Nov-20	09-Dec-20	-104	4.00							_								
7-7174	FB - Final completion works - Main Span and S			19-Apr-21	24-Apr-21	03-Dec-20	09-Dec-20	-104	0.00							_								
7-7175	FB - HyD/AMMJV Final checking and inspection		4	22-Apr-21	25-Apr-21	07-Dec-20	10-Dec-20	-136								-								
7-7176	FB - Main Brdige Completion (Open to Public)		0		25-Apr-21		10-Dec-20	-136																
	on Exisiting Subway KS-20		-	05-May-21	05-Jul-21	18-Dec-20	13-Mar-21	-89	6.00															
				05-May-21	30-Jun-21	18-Dec-20	20-Feb-21	-104	4.00															
KS-20 - ELS f	for Demolition Works	2		05-May-21 05-May-21	30-30R-21		20-reb-21	-104	4.00								•							
	TTA - Stage 3 (After Footbridge open to public	-)				18-Dec-20	218.25																	
7-7302	KS20 - Trial pits / Survery			05-May-21	11-May-21	18-Dec-20	24-Dec-20	-104	0.00															
7-7304	KS20 - Erect Hoarding endose the Works Area			12-May-21	28-May-21	09-Jan-21	25-Jan-21	-94	2.00															
7-7306	KS20 - UU detection / Trial hole / Utilities diver Utilities			12-May-21	17-Jun-21	28-Dec-20	01-Feb-21	-104	0.00									-						
7-7308	KS20 - Decommissioning existing services (u/g			29-May-21	04-Jun-21	26-Jan-21	01-Feb-21	-94	0.00															
7-7310	KS20 - Install sheetpile along Kai Fuk Road Ran	mp (WB)	11	18-Jun-21	30-Jun-21	02-Feb-21	20-Feb-21	-104	2.00													•		-
KS-20 - Dem	olistion / Filling Works		14	18-Jun-21	05-Jul-21	26-Feb-21	13-Mar-21	-89	2.00															
Current Mi Current Mi Actual Wo Critical Rer Remaining	ark maining Work	Central Ko	wloc				t (Montl ng Prog			te) (Rev16 - CSD)	Project ID: K Baseline: Layout: KTE Filter: TASK Page 15 of 1	- 3 Months filters: 3 Mo	Rolling Pro		- Submission	L	30-N 21-D 30-D 20-Je 20-Fe	eo-20 S eo-20 M an-21 S ab-21 S	fanthly Progr Jubmit CSD F Janthly Progr Jubmit CSD F Jabmit CSD F Janthly Progr	Programme f amme M20 Programme f Programme f	Rev14 Rev15		т с т с Y с	ic ic

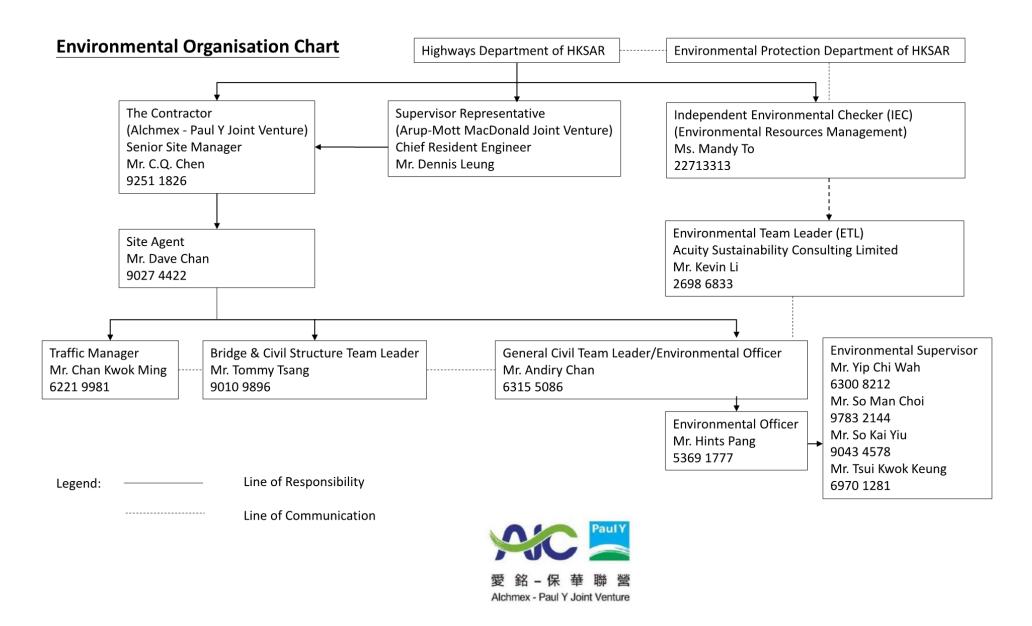
Activity ID	Activity Name	4	Orig Dur	Start	Finish	Late Start	Late Finish	Total	TRA	A		February 22			Marc	h		A	pril			May 25		_		June 26]
winds.				10.1 - 20	05.1.125	26 5-4 5-1	1211-21	Float	(Day)	24	31 07	14	21	28 0	07 1	4 21	28 04	4 11	18	25	02	09	16 2	3 30	06	13	20 27
Kai Fuk Road				18-Jun-21	05-Jul-21	26-Feb-21	13-Mar-21	-89																			
7-7324	KS20 - Brickwork wall for Subway		14	18-Jun-21	05-Jul-21	26-Feb-21	13-Mar-21	-89	2.00	2																_	
	Structure of Bridge CKRE			08-Dec-20 A	07-Jul-21	25-Sep-20	30-Apr-21		19.00	2																	
Sch_2 CKRE -	Pre-drilling		12	14-Apr-21	27-Apr-21	23-Oct-20	06-Nov-20	-134	4.00	D																	
2-7410	CKRE - Pre-drilling over Kai Tak River for K5-CKRE-2 (1 nr)		6	14-Apr-21	20-Apr-21	23-Oct-20	30-Oct-20	-134	2.00	P								•									
2-7412	CKRE - Pre-drilling over Kai Tak River for K5-CKRE-1 (1 nr)		6	21-Apr-21	27-Apr-21	31-Oct-20	06-Nov-20	-134	2.00	2									-	-							
Sch_3.10 Brid	ge CKRE Works		165	08-Dec-20 A	07-Jul-21	25-Sep-20	30-Apr-21	-54	15.00	D																	
CKRE - Piling	Works		152	08-Dec-20 A	21-Jun-21	25-Sep-20	09-Apr-21	-59	8.00	D																	
Piling Works	- ABUT A-K1-CKRE		83	08-Dec-20 A	24-Mar-21	26-Nov-20	26-Feb-21	-22	4.00)																	
3.10-7501	CKRE - Bored Piles for ABUT A-K1-CKRE-2 (1 nr)		30	08-Dec-20 A	13-Jan-21 A	26-Nov-20	26-Nov-20		4.00	D																	
3.10-7504	CKRE - ABUT A-K1-CKRE Proof drilling & Piles testing		24	25-Feb-21	24-Mar-21	23-Jan-21	26-Feb-21	-22	0.00				-	_	_												
Piling Works	- ABUT A-K4-CKRE		60	09-Apr-21	21-Jun-21	25-Sep-20	09-Apr-21	-59	4.00	o l																	
3.10-7524	CKRE - Bored Piles for ABUT A-K4-CKRE-2 (1 nr)		36	09-Apr-21	22-May-21	25-Sep-20	09-Nov-20	-152	4.00	D								-	_				_				
3.10-7526	CKRE - ABUT A-K4-CKRE Proof drilling & Piles testing		24	24-May-21	21-Jun-21	09-Mar-21	09-Apr-21	-59	0.00	5																	
CKRE - Pile Ca	aps, Pier / Abutment		50	07-May-21	07-Jul-21	27-Feb-21	30-Apr-21	-54	7.00	0																	
Abutment A-H			50	07-May-21	07-Jul-21	27-Feb-21	30-Apr-21	-54	7.00	0																	
3.10-7530	CKRE - Excavation Down to Formation Level A-K1-CKRE		14	07-May-21	24-May-21	27-Feb-21	15-Mar-21	-54	2.00	5											-	_					
3.10-7532	CKRE - Prepare pile head (4nrs) A-K1-CKRE		20	25-May-21	17-Jun-21	16-Mar-21	12-Apr-21	-54	4.00	5																_	
3.10-7534	CKRE - Construct Abutment Base A-K1-CKRE		16	18-Jun-21	07-Jul-21	13-Apr-21	30-Apr-21	-54	1.00																		_
	Underpass S21			21-Oct-20 A	15-Jul-21	27-Nov-20	03-Aug-21	16	78.00																		
	toad Underpass S21			21-Oct-20 A	15-Jul-21	27-Nov-20	03-Aug-21	16	78.00																		
S21 - ELS Wo			145	27-Nov-20 A	01-Jun-21	27-Nov-20	13-Mar-21		23.00																		
	gh Sections - South (CH009.376 to CH143.981)				07-Dec-20 A		28-Dec-20		0.00																		
4-7719	S21 - Plate load test (P3)				07-Dec-20 A		28-Dec-20		0.00	1																	
	ction (CH143.981 to CH205.700)			27-Nov-20 A		28-Dec-20	13-Mar-21	-62	13.00																		
4-7928	S21 - Excavation Down to 3rd waling & Strut; Install waling &	Chu & (Chu + 1)			07-Dec-20 A		28-Dec-20	-02	3.00																		
4-7928		Sout (Stage 1)					28-Dec-20		2.00																		
	S21 - Excavation Down to Final Formation Level (Stage 1)				22-Dec-20 A				2.00	1																	
4-7930a	S21 - Soil replacement for Bay 1-1 (NCE-0123)				29-Dec-20 A		28-Dec-20																				
4-7931	S21 - Plate load test (P6)			30-Dec-20 A	02-Jan-21 A		28-Dec-20																				
4-7941	S21 - Excavation down to 1st waling & strut; Install waling & s			15-Apr-21	20-Apr-21	21-Jan-21	26-Jan-21	-62										1									
4-7943	S21 - Excavation Down to 2nd waling & Strut; Install waling &			21-Apr-21	07-May-21	27-Jan-21	11-Feb-21	-62											-								
4-7945	S21 - Excavation Down to 3rd waling & Strut; Install waling &	Strut (Stage 2)	14	08-May-21	25-May-21	19-Feb-21	06-Mar-21	-62	2.00	P											-						
4-7947	S21 - Excavation Down to Final Formation Level (Stage 2)		6	26-May-21	01-Jun-21	08-Mar-21	13-Mar-21	-62	2.00	2																	
S21 - U-Troug	gh Sections - North (CH205.700 to CH321.110)		86	28-Dec-20 A	19-Apr-21	27-Nov-20	19-Jan-21	-67	10.00	P																	
4-7939	S21 - Excavation down to 1st waling & strut; Install waling & s	trut (3-1 to 3-4)	12	28-Dec-20 A	25-Feb-21	27-Nov-20	27-Nov-20	-67	2.00																		
4-7936	S21 - Excavation Down to 2nd waling & Strut; Install waling &	Strut	15	25-Feb-21	13-Mar-21	28-Nov-20	15-Dec-20	-67	3.00	P			-	-	-												
4-7938	S21 - Excavation Down to 3rd waling & Strut; Install waling &	Strut	15	15-Mar-21	31-Mar-21	16-Dec-20	05-Jan-21	-67	3.00	2					-	-	-										
4-7940	S21 - Excavation Down to Final Formation Level		8	01-Apr-21	14-Apr-21	06-Jan-21	14-Jan-21	-67	2.00	7								_									
Current Mile Adual Wor Critical Ren Remaining	rk Ce	entral Kov	wloo			Tak Eas nth Rolli				ate)) (Rev16 -	- CSD)		Baselin Layout Filter:	ne: t: KTE - 3	WP16_M22 Months Rollin rs: 3 Months F			nission.		Di 30-Nov 21-Dec 30-Dec 20-Jan 20-Feb 25-Feb	20 Sub 20 Mo 21 Sub 21 Sub	bmit CSD Pro nthly Program bmit CSD Pro	ogramme Rev ogramme Rev	14	Ched TST TST TST TST TYY TYY	ked Approve DC DC DC DC DC DC DC DC
														Page 1	10 OT 19												

rID	Activity Name	C	Orig Dur	Start	Finish	Late Start	Late Finish	Total Float	TRA (Day)	February 22	Ma 2	rch 3			April 24			1	May 25		<u> </u>		June 26		
4-7935	S21 - Plate load test (P4)		4 15	5-Apr-21	19-Apr-21	15-Jan-21	19-Jan-21	-67		24 31 07 14 21	28 07	14 21	28	04	11	18 25	02	09	16	23	30	06	13	20	2
S21 - RC Struc	cture		212 21	-Od-20 A	15-Jul-21	28-Dec-20	03-Aug-21	16	45.00																
	h Sections - South (CH000 to CH143.981)		143 21	Oct-20 A	21-Apr-21	28-Dec-20	03-Aug-21	85	16.00																
-	-1 - U-Trough Type III (CH143.981 to 128				21-Apr-21	28-Dec-20	27-Mar-21																		
4-7764	S21-B2-1 - U3S Construct Base slab				19-Jan-21 A	28-Dec-20	28-Dec-20		2.00																
4-7768	S21-B2-1 - U3S Construct Side Wall			i-Mar-21	21-Apr-21	24-Feb-21	27-Mar-21	-17																	
			28 10	HMar-21	21-401-21	24-P80-21	27-Mdr-21	-1/	3.00							•									
	-2 - U-Trough Type III (CH128 to 112)		72 08-	Dec-20 A	10-Apr-21	28-Dec-20	17-Mar-21	-1/	5.00																
4-7766	S21-B2-2 - U3S Construct Base slab					28-Dec-20	28-Dec-20		2.00																
4-7772	S21-B2-2 - U3S Construct Side Wall		26 19-	Feb-21 A	10-Apr-21	09-Feb-21	17-Mar-21	-17	3.00		_			_											
	-3 - U-Trough Type III (CH112 to 096)								3.00																
4-7778	S21-B2-3 - U3S Construct Side Wall		22 29	Dec-20 A	16-Mar-21	09-Feb-21	24-Feb-21	-17	3.00		-														
S21 - Bay B2-	-4 - U-Trough Type III (CH96 to 080)		22 10	Dec-20 A	16-Mar-21	04-Feb-21	24-Feb-21	-17	3.00																
4-7784	S21-B2-4 - U3S Construct Side Wall		22 10-	Dec-20 A	16-Mar-21	04-Feb-21	24-Feb-21	-17	3.00		_	1													
S21 - Bay B2-	-5 - U-Trough Type II (CH080 to 065)		22 21	-Oct-20 A	16-Mar-21	29-Jan-21	24-Feb-21	-17	0.00																
4-7802	S21-B2-5 - U2S Construct Side Wall		22 21	-Odt-20 A	16-Mar-21	29-Jan-21	24-Feb-21	-17	0.00																
S21 - Bay B2-	-9 - U-Trough Type I (CH020 to 009.376)			Jan-21 A			14- <u>May-21</u>		0.00																
4-7811	S21-B2-9 - U1S Construct Base slab					14-May-21	14-May-21		0.00																
4-7813	S21-B2-9 - U1S Construct Side Wall					14-May-21	14-May-21		0.00																
			12 25		10-reb-21 A	1449dy-21	1449dy-21		0.00																
	2-10 - At-Grade Slab (CH009.376 to 000)				10-Mar-21	21-Jul-21	03-Aug-21	117	0.00																
4-7812	S21-B2-10 - Construct At Grade slab			i-Feb-21	10-Mar-21	21-Jul-21	03-Aug-21	117																	
	tions (CH143.981 to CH205.700)			Jan-21 A		28-Dec-20	06-May-21	-57																	
									16.00																
4-7722	S21-B1-1 Construct Base Slab		15 05-	Jan-21 A	30-Jan-21 A	28-Dec-20	28-Dec-20		4.00	-															
4-7724	S21-B1-1 Construct External Walls		33 01-	Feb-21 A	17-Mar-21 A	28-Dec-20	28-Dec-20		6.00			•													
4-7726	S21-B1-1 Construct Top Slab		20 25	i-Feb-21	19-Mar-21	28-Dec-20	20-Jan-21	-44	6.00		_	-													
S21 - Bay B1-	-2 - Box Section (CH159.5 to 175)		36 02	Jun-21	15-Jul-21	15-Mar-21	06-May-21	-57	3.00																
4-7734	S21-B1-2 Construct Base Slab		12 02	Jun-21	16-Jun-21	15-Mar-21	27-Mar-21	-62	1.00														-		
4-7736	S21-B1-2 Construct External Walls		24 17	-Jun-21	15-Jul-21	08-Apr-21	06-May-21	-57	2.00														-	_	_
S21 - Bay B1-	-4 - Box Section (CH190.5 to 205.7)		12 17		30-Jun-21	29-Mar-21	15-Apr-21	-62	1.00																
4-7758	S21-B1-4 Construct Base Slab		12 17		30-Jun-21	29-Mar-21	15-Apr-21	-62	1.00														_		_
		057)																							
-	h Sections - North (CH205.700 to CH354.	957)			29-Jun-21	20-Jan-21	03-Aug-21	29	9.00																
	-1 - U-Trough Type III (CH205.7 to 223)			5-Apr-21	26-Jún-21	09-Apr-21	29-Apr-21	-47	2.00																
4-7818	S21-B3-1 - Mass concrete fill upto formation leve (FL-2.78mPD)	el underneath S3		5-Apr-21	19-Apr-21	09-Apr-21	13-Apr-21	-5							_										
4-7820	S21-B3-1 - Construct Base slab		14 10	-Jun-21	26-Jun-21	14-Apr-21	29-Apr-21	-47	1.00														-	-	
S21 - Bay B3-	-2 - U-Trough Type III (CH223.0 to 240.0								2.00																
4-7830	S21-B3-2 - Construct Base slab		14 07	-May-21	24-May-21	05-Feb-21	27-Feb-21	-67	2.00								-			-					
S21 - Bay B3-	-3 - U-Trough Type II (CH240.0 to 253.3)	Part 3E	30 25	-May-21	29-Jun-21	01-Mar-21	08-Apr-21	-67	1.00																
4-7834	S21-B3-3 - Construct Base slab		14 25	-May-21	09-Jun-21	01-Mar-21	16-Mar-21	-67	1.00											_		-			
Current Miles	stone					J	1				Project ID: KTE	WP16 M2	2		i	í		Date			avision			ked Ap	
Actual Work	k aining Work	Central Kov	wloon				st (Mont ing Prog			te) (Rev16 - CSD)	Baseline: Layout: KTE - : Filter: TASK fill	3 Months Ro	lling Progr		Cubminnie		21-D 30-D 20-J	0eo-20 0eo-20 an-21	Submit CS Monthly Pr Submit CS	rogramme U SD Programm rogramme M SD Programm	me Rev14 120 me Rev 15		TST TST TST TST	DC DC DC DC	
	TIMO.						5 - 1				Filter: TASK fill Page 17 of 19	ers: 3 Month	is Rolling_	1, KIE - 3	Suomission	I.	20-F	eb-21	Submit CS	SD Programm rogramme M	me Rev 16		TYY	DC	

Activity ID	Activity Name	Orig Dur	Start	Finish	Late Start	Late Finish	Total Float	TRA (Day)	February 22		March 23		April 24			May 25			June 26		July 27
4-7844	S21-B3-3 - Construct Side Walls	16	10-Jun-21	29-Jun-21	17-Mar-21	08-Apr-21	-67	0.00	14 31 07 14 21	28	07 14 21	28 04	11	18 25	02 09	16	23	30 0	5 13	20	27 4
S21 - Bay B3-	-4 - U-Trough Type II (CH253.3 to 266.7) Part 3E	30	20-Apr-21	26-May-21	20-Jan-21	16-Mar-21	-55	1.00													
4-7838	S21-B3-4 - Construct Base slab	14	20-Apr-21	06-May-21	20-Jan-21	04-Feb-21	-67	1.00							_						
4-7846	S21-B3-4 - Construct Side Walls		07-May-21	26-May-21	26-Feb-21	16-Mar-21	-55	0.00													
	-5 - U-Trough Type II (CH266.7 to 280.0) Part 3E		25-Nov-20 A		20-Jan-21	26-Feb-21	55	1.00									_				
4-7840	S21-B3-5 - Construct Base slab			12-Dec-20 A		20-Jan-21		1.00													
4-7852	S21-B3-5 - Construct Side Walls			26-Jan-21 A	26-Feb-21	26-Feb-21		0.00													
								0.00													
4-7862	S21-B3-6 - Construct Side Walls	22	25-Nov-20 A	19-Dec-20 A	26-Feb-21	26-Feb-21		0.00													
S21 - Bay B3-								0.00													
4-7854	S21-B3-7 - Construct Base slab	10	22-Feb-21 A	02-Mar-21 A	21-May-21	21-May-21		0.00		-											
4-7864	S21-B3-7 - Construct Side Walls	8	25-Feb-21	05-Mar-21	21-May-21	29-May-21	67	0.00													
S21 - Bay B3-	-8- U-Trough Type I (CH307.4 to 321.110) Part 3E	20	21-Dec-20 A	26-Jan-21 A	14-Apr-21	30-Apr-21		0.00													
4-7858	S21-B3-8 - Construct Base slab	10	21-Dec-20 A	04-Jan-21 A	14-Apr-21	14-Apr-21		0.00													
4-7866	S21-B3-8 - Construct Side Walls	8	05-Jan-21 A	26-Jan-21 A	30-Apr-21	30-Apr-21		0.00													
S21 - Bay B3-	-9 - At Grade Slab Part 3E (CH321.11 to 354.957) Part 3E	12	25-Feb-21	10-Mar-21	21-Jul-21	03-Aug-21	117	2.00													
4-7868	S21-B3-9 - Construct At Grade slab	12	25-Feb-21	10-Mar-21	21-Jul-21	03-Aug-21	117	2.00													
S21 - Miscellar	neous Works	54	22-Apr-21	26-Jun-21	29-Mar-21	05-Jun-21	-17	10.00													
S21 - Waterpr	roofing and Backfilling Works	54	22-Apr-21	26-Jun-21	29-Mar-21	05-Jun-21	-17	10.00													
	gh Sections - South (CH009.376 to CH143.981)		22-Apr-21		29-Mar-21	05-Jun-21															
4-7948	S21 - Waterproofing / Movement Joint / Masonry Wall (U-Trough Section -		22-Apr-21	04-Jun-21	29-Mar-21	14-May-21	-17	4.00										_			
4-7942	South) S21 - Baddfiling up to GL (U-Trough Section - South)		14-May-21				-17	6.00													
				26-Jun-21	23-Apr-21	05-Jun-21	-17	0.00													
	Sleeve pipes for District Cooling System (Subject to		27-Nov-20 A	15-Jul-21		08-May-21		97.00													
	pipes for DCS (Kai Tak River West)		27-Nov-20 A		26-Nov-20	08-May-21		91.00													
DCS-West Sec			27-Nov-20 A		05-Dec-20	08-May-21	-55	31.00													
10-8462	DCS(W)_A - Trial trench for sheetpiles			15-Dec-20 A		05-Dec-20		2.00													
10-8463	DCS(W)_A - Install sheet piles (along nullah)	12	16-Dec-20 A	24-Dec-20 A	05-Dec-20	05-Dec-20		6.00													
10-8560	DCS(W)_A - Grout curtain behind pipepile (500mm c/c)	24	21-Jan-21 A	25-Feb-21 A	05-Dec-20	05-Dec-20		3.00													
10-8464	DCS(W)_A - Excavation 500mm down 1st layer of strut + lagging plate + removal of uncharted seawall	4	06-Mar-21	10-Mar-21	05-Dec-20	09-Dec-20	-69	2.00		-	-										
10-8466	DCS(W)_A - Install 1st layer waling and strut	6	11-Mar-21	17-Mar-21	10-Dec-20	16-Dec-20	-69	2.00			-										
10-8468	DCS(W)_A - Excavation 500mm down 2nd layer of strut + lagging plate + removal of uncharted seawall	13	18-Mar-21	01-Apr-21	17-Dec-20	04-Jan-21	-69	2.00				-									
10-8470	DCS(W)_A - Install 2nd layer waling and strut	6	07-Apr-21	13-Apr-21	05-Jan-21	11-Jan-21	-69	2.00				•	_								
10-8472	DCS(W)_A - Excavation down to formation level + lagging plate + removal of	13	14-Apr-21	28-Apr-21	12-Jan-21	26-Jan-21	-69	2.00					_	_							
10-8474	uncharted seawall DCS(W)_A - Install permanent seawater pipes 2x1400 (L=39m) (PMI-0146)	23	29-Apr-21	27-May-21	27-Jan-21	01-Mar-21	-69	6.00						-			- 1				
10-8476	DCS(W)_A - Backfilling upto formation level	40	28-May-21	15-Jul-21	18-Mar-21	08-May-21	-55	4.00									-	_	_		
DCS-West Sec	ction B (49m)	145	24-Dec-20 A	30-Jun-21	26-Nov-20	07-Apr-21	-69	23.00													
10-8479	DCS(W)_B - Install sheet piles (along nullah)			11-Jan-21 A	21-Dec-20	21-Dec-20		6.00													
10-8480	DCS(W)_B - Excavate 2m top layer of soil		25-Jan-21 A		26-Nov-20	04-Dec-20	-69	2.00													
		0			_0.101.20			2.00													
Current Mile	Central Ko	oolwo							e) (Rev16 - CSD)	Base	ct ID: KTE-WP16_M22 line: ut: KTE - 3 Months Rolli	na Programm			Date 30-Nov-20 21-Dec-20 30-Dec-20	Submit CS	Revis ogramme Upda D Programme ogramme M20	ate M19 Rev14	C TS1 TS1 TS1	r DC	
Remaining V			Thr	ree Mon	th Rolli	ng Prog	ramr	ne		Filter	: TASK filters: 3 Months 18 of 19				20-Jan-21 20-Feb-21 25-Feb-21	Submit CS Submit CS	D Programme D Programme ogramme M22	Rev 15 Rev 16	TS1 TY1 TY1	r DC	

Activity ID	Activity Marroe	Orin Dr	Start	Finish	Late Stat	Lata Einist	Total	TDA		February		_	Man	h	_		April		_		Mau				10	ne	
Activity ID	Activity Name	Orig Dur	orait	r misn	Late Start	Late Finish	Total Float	(Day)	24	22 31 07 14	21	28	23 07 1		28	04	24	18	25	02 0	25 09	16	23	30	2	6 13 20	0 27
10-8482	DCS(W)_B - Removal of uncharted structures / materials + 2m top layer of soil	12	06-Mar-21	19-Mar-21	18-Dec-20	04-Jan-21	-58	2.00	-			-															
10-8484	DCS(W)_B - Install sheetpiles	12	20-Mar-21	07-Apr-21	05-Jan-21	18-Jan-21	-58	2.00						_		-											
10-8489	DCS(W)_B - Excavation down to formation level	30	08-Apr-21	13-May-21	19-Jan-21	01-Mar-21	-58	5.00								-		_			-						
10-8490	DCS(W)_B - Install permanent seawater pipes 2x1400 ID (L=50m) (PMI-0146)	28	28-May-21	30-Jun-21	02-Mar-21	07-Apr-21	-69	6.00															-		-		
DCS-West Se	action C (25m)	161	27-Nov-20 A	21-Jun-21	21-Dec-20	24-Apr-21	-46 3	37.00																			
10-8498	DCS(W)_C - Install 610 pipe piles (13 nrs)	4	27-Nov-20 A	01-Dec-20 A	21-Dec-20	21-Dec-20		5.00																			
10-8500	DCS(W)_C - Install sheet piles (along nullah)	12	12-Jan-21 A	06-Feb-21 A	21-Dec-20	21-Dec-20		6.00	-																		
10-8497	DCS(W)_C - Install sheetpiles	10	01-Feb-21 A	08-Mar-21	21-Dec-20	04-Jan-21	-48	3.00																			
10-8499	DCS(W)_C - Grout curtain behind pipepile (500mm c/c)	12	25-Feb-21	10-Mar-21	23-Dec-20	08-Jan-21	-46	5.00					•														
10-8501	DCS(W)_C - Excavation 500mm down 1st layer of strut + lagging plate	5	11-Mar-21	16-Mar-21	09-Jan-21	14-Jan-21	-46	2.00					_														
10-8502	DCS(W)_C - Install 1st layer waling and strut	6	17-Mar-21	23-Mar-21	15-Jan-21	21-Jan-21	-46	2.00																			
10-8494	DCS(W)_C - Removal of uncharted structures / materials + 2m top layer of soil	12	17-Mar-21	30-Mar-21	03-Feb-21	23-Feb-21	-30	2.00						_													
10-8505	DCS(W)_C - Excavation 500mm down 2nd layer of strut + lagging plate	8	24-Mar-21	01-Apr-21	22-Jan-21	30-Jan-21	-46	2.00						-													
10-8507	DCS(W)_C - Install 2nd layer waling and strut	6	07-Apr-21	13-Apr-21	01-Feb-21	06-Feb-21	-46	2.00								-	-										
10-8503	DCS(W)_C - Excavation down to formation level + lagging plate + removal of uncharted seawall	8	14-Apr-21	22-Apr-21	08-Feb-21	23-Feb-21	-46	2.00									_	-									
10-8538	DCS(W)_C - Construct new Manhole SWHK36 & demolish existing M/H	48	23-Apr-21	21-Jun-21	24-Feb-21	24-Apr-21	-46	6.00										-		_	-	-	-		-	-	
Sch_10 Sleev	e pipes for DCS (Kai Tak River East)	44	24-May-21	15-Jul-21	10-Nov-20	06-Jan-21	-149	6.00																			
DCS-East Por	tion 1 (approx 37.5m)	40	24-May-21	10-Jul-21	10-Nov-20	28-Dec-20	-152	4.00																			
10-8514	DCS(E) - Install sheetpile (L=96 lm)	22	24-May-21	18-Jun-21	10-Nov-20	04-Dec-20	-152	2.00														•	-		-	-	
10-8516	DCS(E) - Dewatering system installation (TBA subject to design)	18	19-Jun-21	10-Jul-21	05-Dec-20	28-Dec-20	-152	2.00																		-	
DCS-East Por	tion 2 (approx 37.5m)	22	19-Jun-21	15-Jul-21	09-Dec-20	06-Jan-21	-149	2.00																			
10-8528	DCS(E) - Install sheetpile (L=95 lm)	22	19-Jun-21	15-Jul-21	09-Dec-20	06-Jan-21	-149	2.00																		-	_
Current Mi	nahing Work Central Ko	wloc				t (Month ng Prog			te) ((Rev16 - CSI	D)	Base Layo Filter	ine: .t: KTE - 3	-WP16_M22 Months Rol ers: 3 Month	lling Proç		Submiss	ion.		Date 30-Nov-20 21-Dec-20 30-Dec-20 20-Jan-21 20-Feb-21 25-Feb-21) Mi Su Su Su Su	anthly Progr Jomit CSD I Jomit CSD I Jomit CSD I Jomit CSD I Jomit CSD I	Programme amme M2I Programme Programme	late M19 e Rev14 0 e Rev 15 e Rev 16		Checked TST TST TST TST TST TYY TYY	d Approve DC DC DC DC DC DC DC DC

Appendix C Project Organization Chart



Appendix D Dust Event-Action Plan (EAP)

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

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

Note:

ET – Environmental Team

ER – Engineer's Representative

IEC – Independent Environmental Checker

Acuity Sustainability Consulting Ltd.

Appendix E Noise Event-Action Plan (EAP)

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

Note:

ET – Environmental Team

IEC – Independent Environmental Checker

ER – Engineer's Representative

Appendix F Environmental Mitigation Implementation Schedule (EMIS)

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
			Constru	ction Dust Impact				
\$4.3.10	D1	The contractor shall follow the procedures and requirements given in the Air Pollution Control (Construction Dust) Regulation	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	 APCO To control the dust impact To meet HKAQO and TM-EIA criteria 	Implemented
\$4.3.10	D2	 Mitigation measures in form of regular watering under a good site practice should be adopted. Watering once per hour on exposed worksites and haul road should be conducted to achieve dust removal efficiencies of 91.7%. While the above watering frequencies are to be followed, the extent of watering may vary depending on actual site conditions but should be sufficient to maintain an equivalent intensity of no less than 1.3 L/m² to achieve the dust removal efficiency. 	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	 APCO To control the dust impact To meet HKAQO and TM-EIA criteria 	Implemented
\$4.3.10	D3	 Proper watering at exposed spoil should be undertaken throughout the construction phase; Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading; Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads; A stockpile of dusty material should not be 	Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	 APCO To control the dust impact To meet HKAQO and TM-EIA criteria 	 Implemented 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
		 extended beyond the pedestrian barriers, fencing or traffic cones; The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle. Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores; When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided and properly maintained as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period; The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials; Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical 						

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	
S4.3.10	D6	 continuously; Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet; Any skip hoist for material transport should be totally enclosed by impervious sheeting; Every stock of more than 20 bags of cement or dry-pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides; Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies. Implement regular dust monitoring under EM&A programme during the construction stage. 	Monitoring of dust impact	Contractor	Selected rep. dust monitoring 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	 Implement the following good site practices: Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme; Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum; Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs; Silencers or mufflers on construction equipment should be properly fitted and maintained during the construction works; Mobile plant should be sited as far away from NSRs as possible and practicable; Material stockpiles, mobile container site office and other structures should be effectively utilized, where practicable, to screen noise from on-site construction activities. 	Control construction airborne noise	Contractor	All construction sites	Construction stage	• Annex 5, TM-EIAO	• Implemented
\$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
S5.4.1	N3	Install movable noise barriers (typical design is wooden framed barrier with a small-cantilevered on a skid footing with 25mm thick internal sound absorptive lining), acoustic mat or full enclosure, screen the noisy	Sreen the noisy plant items to be used at all construction	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM-EIAO	Implemented

EIA Ref.	EM&A Log Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to address	Implementation Agent	Location / Timing	Implementation Stage	Requirements and/ or standards to be achieved	Implementation Status
		plants including air compressors, generators and handheld breakers, etc.	sites					
S5.4.1	N4	Use 'Quiet plant'	Reduce the noise levels of plant items	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM-EIAO	Implemented
S5.4.1	N5	Loading/ unloading activities should be carried out inside the full enclosure of mucking out points.	Reduce the noise levels of loading/ unloading activities	Contractor	Mucking out locations	Construction stage	• Annex 5, TM-EIAO	Implemented
\$5.4.1	N6	Sequencing operation of construction plants where practicable.	Operate sequentially within the same work site to reduce the construction airborne noise	Contractor	All construction sites where practicable	Construction stage	• Annex 5, TM-EIAO	Implemented
S5.4.1	N7	Implement a noise monitoring programme under EM&A programme.	Monitor the construction noise levels at the selected representative locations	Contractor	Selected rep. noise monitoring station	Construction stage	• TM-EIAO	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
S6.9.1.1	W1	 In accordance with the Practice Note for Professional Persons on Construction Site Drainage, Environmental Protection Department, 1994 (ProPECC PN1/94), construction phase mitigation measures shall include the following: Construction Runoff At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities. The design of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction; The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be incorporated in the permanent drainage channels to enhance deposition rates; The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt/ sand traps should be 5 minutes under 	To minimize water quality impact from the construction site runoff and general construction activities	Contractor	All construction sites where practicable	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-EIAO TM-DSS 	 Implemented and rectified after observation

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
		 maximum flow conditions. Sizes may vary depending upon the flow rate, but for a flow rate of 0.1 m3/s a sedimentation basin of 30 m3 would be required and for a flow rate of 0.5 m3/s the basin would be 150 m3. The detailed design of the sand/ silt traps shall be undertaken by the contractor prior to the commencement of construction; All exposed earth areas should be completed and vegetated as soon as possible after earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. Exposed slope surfaces should be covered by tarpaulin or other means; The overall slope of the site should be kept to a minimum to reduce the erosive potential of surface water flows, and all traffic areas and access roads protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during prolonged periods of inclement weather and the reduction of surface sheet flows; All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly following rainstorms. Deposited silt and grit should be removed regularly and disposed of by spreading evenly over stable, vegetated areas; Measures should be taken to minimize the ingress 						

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
		 of site drainage into excavations. If the excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities; Open stockpiles of construction materials (for example, aggregates, sand and fill material) of more than 50m3 should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system; Manholes should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers; Precautions be taken at any time of year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted, and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes; All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and site wheel washing 						

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
		 facilities should be provided at every construction site exit where practicable. Wash-water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel wash bay to the public road should be paved with sufficient backfall toward the wheel wash bay to prevent vehicle tracking of soil and silty water to public roads and drains; Oil interceptors should be provided in the drainage system downstream of any oil/ fuel pollution sources. The oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for the oil interceptors to prevent flushing during heavy rain; Construction solid waste, debris and rubbish on site should be collected, handled and disposed of properly to avoid water quality impacts; All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching water sensitive receivers nearby; Adopt best management practices; All earth works should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet 						

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	 Tunneling Works and Underground Works Cut-&-cover tunneling work should be conducted sequentially to limit the amount of construction runoff generated from exposed areas during the wet season (April to September) as far as practicable. Uncontaminated discharge should pass through sedimentation tanks prior to off-site discharge; The wastewater with a high concentration of SS should be treated (e.g. by sedimentation tanks with sufficient retention time) before discharge. Oil interceptors would also be required to remove the oil, lubricants and grease from the wastewater; Direct discharge of the bentonite slurry (as a result of D-wall) is not allowed. It should be reconditioned and reused wherever practicable. Temporary storage locations (typically a properly closed warehouse) should be provided on site for any unused bentonite that needs to be transported away after all the related construction activities area completed. The requirements in ProPECC PN 1/94 should be adhered to in the handling and disposal of bentonite slurries. 	To minimize construction water quality impact from tunneling works	Contractor	All tunneling portion	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-DSS TM-EIAO 	• N/A

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	 Sewage Effluent Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance. 	To minimize water quality from sewage effluent	Contractor	All construction sites where practicable	Construction stage	 Water Pollution Control Ordinance TM-DSS 	Implemented
S6.9.1.5	W4	 Groundwater from Potential Contaminated Area: No direct discharge of groundwater from contaminated areas should be adopted. A discharge license under the WPCO through the Regional Office of EPD for groundwater discharge should be applied. Prior to the excavation works within these potentially contaminated areas, the groundwater quality should be reviewed during the process of discharge license application. The compliance to the Technical Memorandum on Standards for Effluents Discharged into Drainage on Sewerage Systems, Inland and Coastal Waters (TM-DSS) and the existence of prohibited substance should be confirmed. If the review results indicated that the groundwater to be generated from the excavation works would be contaminated, the contaminated groundwater should be either properly treated in compliance with the requirements of the TM-DSS or properly 	To minimize groundwater quality impact from contaminated area	Contractor	Excavation areas where contamination is found	Construction stage	 Water Pollution Control Ordinance TM-DSS TM-EIAO 	• Implemented

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

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	W6	 Accidental Spillage In order to prevent accidental spillage of chemicals, the following is recommended: All the tanks, containers, storage area should be bunded and the locations should be locked as far as possible from the sensitive watercourse and stormwater drains; The Contractor should register as a chemical waste producer if chemical wastes would be generated. Storage of chemical waste arising from the construction activities should be stored with suitable labels and warnings. Disposal of chemical wastes should be conducted in compliance with the requirements as stated in the Waste Disposal (Chemical Waste) (General) Regulation. 	To minimize water quality impact from accidental spillage	Contractor	All construction site where practicable	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-EIAO TM-DSS 	• Implemented
			Waste Manage	ement (Construction	Waste)			
\$7.4.1	WM1	 On-site sorting of C&D material Geological assessment should be carried out by competent persons on site during excavation to identify materials which are not suitable to use as aggregate in structural concrete (e.g. volcanic rock, Aplite dyke rock, etc.). Volcanic rock and Aplite dyke rock should be separated at the source sites as far as practicable and stored at designated 	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.						
S7.5.1	WM2	 Construction and Demolition Material Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement; Carry out on-site sorting; Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate; Adopt 'selective demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible; 	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	Contractor	All construction sites	Construction stage	 Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETWB TCW No. 19/2005 	• Implemented

EIA 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
		 Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified; and Implement an enhanced Waste Management Plan similar to ETWBTC (Works) No. 19/2005 – "Environmental Management on Construction Sites" to encourage on-site sorting of C&D materials and to minimize their generation during the course of construction. 						
\$7.5.1	WM3	 <u>C&D Waste</u> Standard formwork or pre-fabrication should be used as far as practicable in order to minimize the arising of C&D materials. The use of more durable formwork or plastic facing for the construction works should be considered. Use of wooden hoardings should not be used, as in other projects. Metal hoarding should be used to enhance the possibility of recycling. The purchasing of construction materials will be carefully planned in order to avoid over ordering and wastage; The Contractor should recycle as much of the C&D materials as possible on-site. Public fill and C&D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the 	generation and recycle the C&D materials as far as practicable so as to reduce the	Contractor	All construction sites	Construction stage	 Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETWB TCW No. 19/2005 	• Implemented

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	 <u>Excavated Contaminated Soils</u> Details of the mitigation measures on handling of the contaminated soil shall be referred to Section on Land Contamination below. 	The contaminated soil will be excavated for on-site reuse	Contractor	PBH4	Prior to commencement of construction works within the contaminated area	 Practice Guide (PG) for Investigation and Remediation of Contaminated Land GN/GM for land contamination 	Implemented
\$7.5.1	WM5	 Land-based Sediment All construction plant and equipment shall be designed and maintained to minimize the risk of silt, sediments, contaminants or other pollutants being released into the water column or deposited in the locations other than designated location; All vessels shall be sized such that adequate draft is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash; Before moving the vessels which are used for transporting dredged material, excess material shall be cleaned from the decks and exposed fittings of vessels and the sea except at the 	To control pollution due to marine sediment	Contractor	Along CKR alignment	Construction stage	• ETWB TCW No. 34/2002	• Implemented

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
		 approved locations; Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action. The Contractors shall monitor all vessels transporting material to ensure that no dumping outside the approved location takes place. The Contractor shall keep and produce logs and other records to demonstrate compliance and that journeys are consistent with designated locations and copies of such records shall be submitted to the engineers; The Contractors shall comply with the conditions in the dumping licence. All bottom dumping vessels (Hopper barges) shall be fitted with tight fittings seals to their bottom openings to prevent leakage of material; The material shall be placed into the disposal pit by bottom dumping; Contaminated marine mud shall be transported by spit barge of not less than 750m3 capacity and capable of rapid opening and discharge at the disposal site; Discharge shall be undertaken rapidly and the hoppers shall be closed immediately. Material adhering to the sides of the hopper shall not be washed out of the hopper and the hopper shall remain closed until the barge returns to the disposal site. For Type 3 special disposal treatment, sealing of 						

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	 <u>Chemical Waste</u> <u>Chemical Waste</u> <u>Chemical waste that is produced, as defined by</u> 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>Containers used for the storage of chemical wastes</u> 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; The storage area for chemical wastes should be clearly labelled and used solely for the storage of chemical waste, enclosed on at least 3 sides, have an impermeable floor and bunding of sufficient 	Control the chemical waste and ensure proper storage, handling and disposal	Contractor	All construction sites	Construction stage	 Waste Disposal (Chemical Waste) (General) Regulation Code of Practice on the Packaging, Labelling and Storage of Chemical Waste 	Implemented and rectified after observation

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	 capacity to accommodate 110% of the volume of the largest container or 20% of the total volume of waste stored in that area, whichever is the greatest, have adequate ventilation, covered to prevent rainfall entering, and arranged so that incompatible materials are adequately separated; Disposal of chemical waste should be via a licensed waste collector, be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers a chemical waste collection service and can supply the necessary storage containers, or be to a reuser of the waste, under approval from EPD. General Refuse General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes; A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law. Aluminum cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible; Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant 	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	All construction sites	Construction stage	• Waste Disposal Ordinance	• Implemented

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	 Excavation of the Contaminated Soil Prior to commencement of the excavation works at the contamination zone, the zone should be clearly marked out on site and the surface levels recorded. Excavation of contaminated material should be undertaken using dedicated earth-moving plant. The excavated contaminated soils would be stockpiled at designated area on site and covered by sheet to prevent dispersion of contamination during stockpiling. The Contractor should pay attention to the selection of suitable groundwater lowering schemes and discharge points if the groundwater table is higher than the contaminated soils during excavation. The Contractor should also obtain a valid Water Pollution Control Ordinance (WPCO) discharge licence from EPD where applicable. 	The contaminated soil will be excavated for on-site reuse	Contractor	PBH4	Prior to commencement of construction works within the contaminated area	 Practice Guide (PG) for Investigation and Remediation of Contaminated Land Guidance Notes for Contaminated Land Assessment and Remediation Guidance Manual for Use of Risk-Based 	• N/A
S8.9 & Appendix 8.4	LC3	• Following completion of the excavation to the specified depth, at least one sample from the base of the excavation and four samples evenly distributed along the boundary of the excavation shall be taken for a closure assessment testing. The acceptance criterion is shown below:					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.	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	
		Locations	Testing	Acceptance						
			requirement	Criteria						
		PBH4	PCBs	RBRGs (Public Park)						
				Faikj						
		• If the results of analysis below the RBRGs (Public Park), no further excavation will be required.								
		If the analysis indicates presence of contamination (i.e. noncompliance of the acceptance criteria), further excavation shall be carried out in 0.5m increment vertically and/or horizontally depending on the location(s) of the sample(s) which has exceeded the acceptance criteria. Further sampling shall also be conducted for compliance testing. The process of excavation, sampling and compliance testing should continue until all contaminated materials are removed and should be supervised by a Land Contamination Specialist.								
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
			Land	dscape & Visual				
S10.10.1 Table 10.11	LV3	 <u>Good Site Management</u> Large temporary stockpiles of excavated material shall be covered with unobtrusive sheeting to prevent dust and dirt spreading to adjacent landscape areas and vegetation, and to create a neat and tidy visual appearance. Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance. 	Minimize visual impact	Contractor	Within Project site	Construction stage	-	Implemented
S10.10.1 Table 10.11	LV4	 <u>Screen Hoarding</u> Decorative screen hoarding should be erected to screen the public from the construction area. It should be designed to be compatible with the existing urban context. 	Minimize visual impact	Contractor	Within Project site	Construction stage	-	Implemented
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	 Erosion Control The potential for soil erosion shall be reduced by minimizing the extent of vegetation disturbance on site and by providing a protective cover over newly exposed soil. 	Minimize landscape impact	Contractor	Within Project site	Construction stage	-	Implemented
S10.10.1 Table 10.11	LV7	<u>Tree Protection & Preservation</u> • Carefully protected during construction. Tree protection measures will be detailed at the Tree Removal Application stage and plans submitted to the relevant Government Department for approval in due course in accordance with ETWB TC no. 3/2006.	Minimize landscape and visual impact	Contractor	Within Project site	Construction stage	 'Guidelines for Tree Risk Management and Assessment Arrangement on an Area Basis and on a Tree Basis', Greening, Landscape and Tree Management (GLTM) Section, DEVB Latest recommended horticultural practices from GLTM Section, DEVB 	• 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	 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. Compensatory tree planting may be incorporated into public open spaces and along roadside amenity areas affected by the construction works 	Minimize visual impact and also enhance landscape	Contractor	Within Project site	Construction stage	 ETWB TCW 3/2006 Latest recommended horticultural practices from Greening, Landscape and Tree Management (GLTM) Section, DEVB ETWB TCW 2/2004 	• 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	 Screen Planting Tall screen/buffer trees, shrubs and climbers should be planted, in so far as is possible, to soften and screen proposed structures such as roads and central strip, vertical edges and buildings and to enhance streetscape greening effect where appropriate. Indiscriminate use of trees for screening must be avoided and the principle of 'right tree for the right place' must be followed. This detail will be provided at the Detailed Design stage. This measure may additionally form part of the compensatory planting and will improve and create a pleasant pedestrian environment. 	Minimize visual impact and also enhance landscape.	Contractor	Within Project Site	Construction Phase	 Guidelines on Greening of Noise Barriers, issued April 2012, GLTMS, DevB ETWB TCW 2/2004 	• N/A
S10.10.1 Table 10.11	LV12	Reinstatement • All works areas, excavated areas and disturbed areas for tunnel construction and temporary road diversion or any other proposed works shall be reinstated to former conditions or better, with reasonable landscape treatment and to the satisfaction of the 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	 EIAO Guidance Note No. 4/2010 TM-EIAO 	Implemented
S13.2-13.4	EM2	 An Environmental Team needs to be employed as per the EM&A Manual; Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures; An environmental impact monitoring needs to be implemented by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with. 	Perform environmental monitoring & auditing	Highways Department/ Contractor	All construction sites	Construction stage	 EIAO Guidance Note No. 4/2010 TM-EIAO 	Implemented

Appendix G Monitoring Schedule of the Reporting Month

February 2021

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

Appendix H Calibration Certificates (Air Monitoring)

SIBATA

SIBATA SCIENTIFIC TECHNOLOGY LTD.

1-1-62, Nakane, Soka, Saitama, 340-0005 Japan TEL: 048-933-1582 FAX: 048-933-1591

CALIBRATION CERTIFICATE

Date: August 1st, 2020

Equipment Name	: Digital Dust Indicator, Model LD-5R
Code No.	: 080000-72
Quantity	: 1 unit
Serial No.	: 882106
Sensitivity	: 0.001 mg/m3
Sensitivity Adjustment	: 690
Scale Setting	: July 22th, 2020

We hereby certify that the above mentioned instrument has been calibrated satisfactory.

Sincerely

SIBATA SCIENTIFIC TECHNOLOGY LTD.

long Thom



Tong Zhang Overseas & New Business Group Overseas Sales Department

			CH					D	ALIBRATION UE DATE:
							1	Septer	nber 23, 2021
En	vir	onm	ent	al					
						50			
				0 .	0		00		
		0e	rtifa	cate	of	0al	ibra	tion	
E			-	Calibration	Certificatio	on Informat	ion		
c	Cal. Date:	September	23, 2020	Roots	meter S/N:	438320	Ta:	295	°K
0	Operator:	Jim Tisch					Pa:	751.1	mm Hg
			TE EQOEA	C-11	orator S/N:	2465			
Ľ	Calibration	Wodel #:	TE-5025A	Calig	orator 5/10:	5405			
			Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔΡ	ΔH	1
		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	1
		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	
				C	Data Tabula	tion			1
					V/ Total V			F	
		Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd} \right)}$	$-)(\frac{\text{Tstd}}{\text{Ta}})$		Qa	/АН(Та/Ра)	
		(m3)	(x-axis)	(y-axi		Va	(x-axis)	(y-axis)	
		0.9939	0.6926	1.413		0.9956	0.6938	0.8863	
		0.9898	0.9704	1.998	33	0.9915	0.9720	1.2534	
		0.9877	1.0914	2.234	42	0.9893	1.0932	1.4014	
		0.9866	1.1406	2.343		0.9883	1.1425	1.4698	
		0.9813	1.3744	2.826		0.9830	1.3767	1.7726	
		ACTO	m=	2.069		~	m=	1.29575	
		QSTD	b= r=	-0.017 0.999		QA	b= r=	-0.01116 0.99995	
		L		0.555	53		1-	0.99995	
				ditter water	Calculation	Second	and the second second		
		and the second s		/Pstd)(Tstd/Ta	a)		∆Vol((Pa-∆P)/Pa)	
		Qstd=	Vstd/∆Time			and the second second	Va/∆Time		
				For subsequ	ent flow rat	te calculation	ns:		
		Qstd=	1/m ((\\ \ \ \ \ \ H (\	Pa (<u>Tstd</u>)))-ь)	Qa=	$1/m \left(\sqrt{\Delta H} \right)$	(Ta/Pa))-b)	
		Standard	Conditions						
	Tstd:	298.15	°K		Г		RECAL	BRATION	
	Pstd:		mm Hg		1				1000
-	11. antibert		ey					nual recalibratic	
			er reading (in ter reading (egulations Part 5 Reference Meth	
			perature (°K)	min ug)				Reference Meth	
			essure (mm	Hg)					
lane and the second sec	: intercept					the	Acmospher	e, 9.2.17, page	50
ID ID	. meer oup c				1				

Tisch Environmental, Inc. 145 South Miami Avenue Village of Cleves, OH 45002 www.tisch-env.com TOLL FREE: (877)263-7610 FAX: (513)467-9009

InnoTech Instrumentation Co. Ltd.

創新科儀有限公司

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information

Location:	Emax	Site ID:		Date:	04-Feb-2021
Serial No:	1049	Model:	TE-5170X	Operator:	Kate Wong

Ambient Condition

Corrected Pressure (mm Hg):	766.3	Temperature (deg K):	292.4
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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	1.43	0.943	34.2	34.63
2	1.70	1.030	36.8	37.26
3	1.93	1.095	38.5	39.01
4	2.21	1.173	40.7	41.27
5	2.55	1.259	42.8	43.40

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

m=	27.7993	b=	8.5436	Corr. Coeff=	0.9994
Sampler set point(SSP) 42		CFM			
		C	alculations		
Qstd = 1/m[Sqr	t(H2O(Pa/Pstd)(Tstd/Ta))-b]		m = sampler slope		
IC = I[Sqrt(Pa/F	Pstd)(Tstd/Ta)]		b = sampler interceptI = chart response		
Qstd = standard	flow rate		Tav = average temperature		
IC = corrected of	chart response		Pav = average pressure		
I = actual chart	response				
m = calibrator 0	Qstd slope				
b = calibrator Q	2std intercept				
Ta = actual tem	perature during calibration (de	g K)			
Pa = actual pres	sure during calibration (mm H	[g)			
Tstd = 298 deg	K				
-	Hg calculation of sampler flow: rt(298/Tav)(Pav/760)]				
Checked by:	黄雪茸		Date:	4-Fet	o-21

InnoTech Instrumentation Co. Ltd.

創新科儀有限公司

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Informat	ion
---------------	-----

Location:	Emax	Site ID:		Date:	19-Feb-2021
Serial No:	1049	Model:	TE-5170X	Operator:	Kate Wong

Ambient	Condition
---------	-----------

Corrected Pressure (mm Hg): 767.6	Temperature (deg K):	291.5
-----------------------------------	----------------------	-------

Calibration Orifice

Model:	TE-5025A	TE-5025A Slope:	
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	1.39	0.933	33.4	33.91
2	1.66	1.020	35.9	36.49
3	1.88	1.083	37.6	38.21
4	2.19	1.169	39.8	40.43
5	2.53	1.256	41.8	42.52

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

m=	26.6046	b=	9.2541	Corr. Coeff=	0.9991
Sampler set point(SSP)41		41	CFM		
		С	alculations		
Qstd = 1/m[Sqrt	(H2O(Pa/Pstd)(Tstd/Ta))-b]		m = sampler slope		
IC = I[Sqrt(Pa/P	Pstd)(Tstd/Ta)]		b = sampler intercept		
			I = chart response		
Qstd = standard	flow rate		Tav = average temperature	;	
IC = corrected c	hart response		Pav = average pressure		
I = actual chart i	response				
m = calibrator (Qstd slope				
b = calibrator Q	estd intercept				
Ta = actual temp	perature during calibration (d	eg K)			
Pa = actual press	sure during calibration (mm	Hg)			
Tstd = 298 deg	K				
Pstd = 760 mm	Hg				
For subsequent	calculation of sampler flow:				
(1.21*m+b)/[Sq	rt(298/Tav)(Pav/760)]				
	4 1				

Checked by: Kara Checke

Date:

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 Communiqué). 此項 ISO/IEC 17025:2005 的認可資格證明此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(見國際認可論壇、國際實驗所認可合作組織及國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:

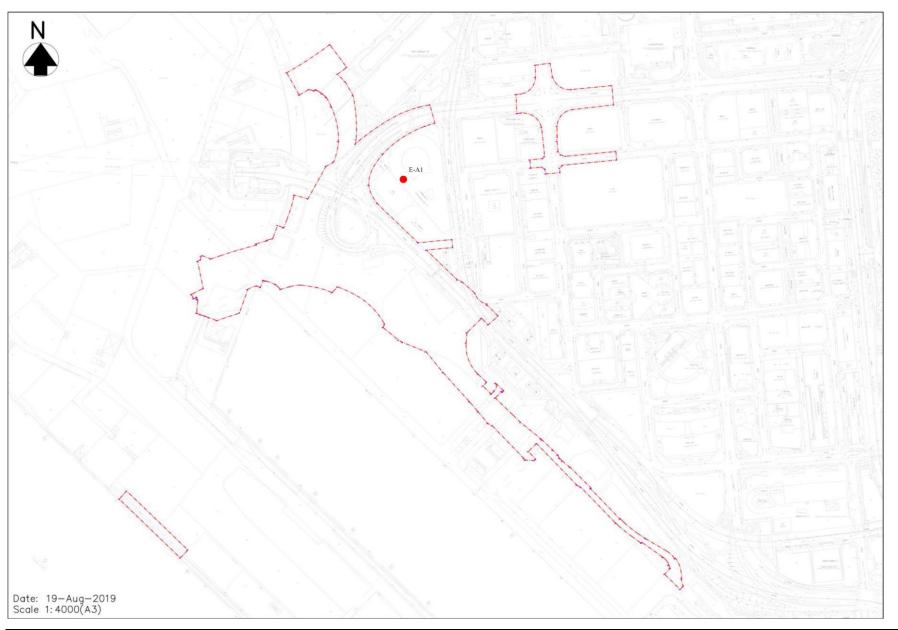
This certificate is issued subject to the terms and conditions laid down by HKAS 本證書按照香港認可處訂立的條款及條件發出



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

∟001195

Appendix J Location Plan of Air Quality Monitoring Station

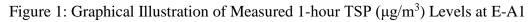


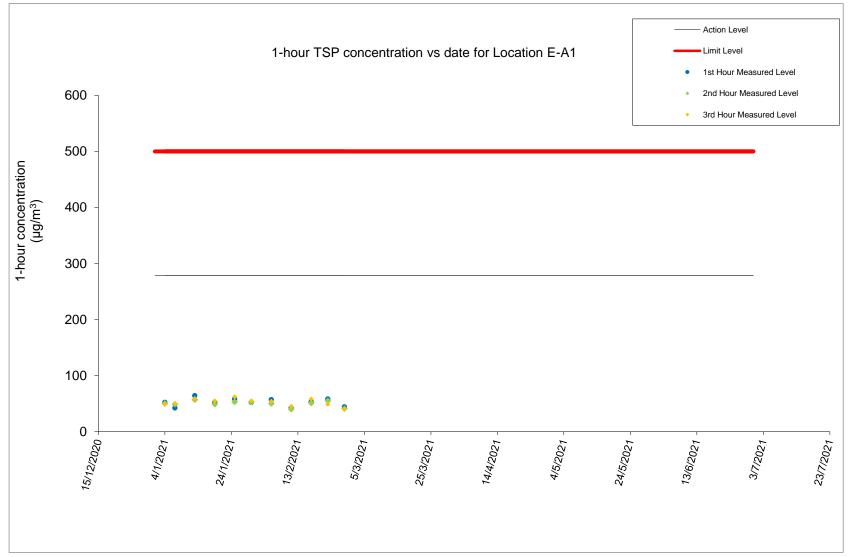
Acuity Sustainability Consulting Ltd.

Appendix K Monitoring Data (Air Monitoring)

Location:	Hong Kong International Trade and Exhibition Centre (E-A1)
Monitoring date:	5, 11, 17, 22 and 27 February 2021
Parameter:	TSP 1-hour
Other Factors:	Nearby traffic

	1-hour TSP (μg/m ³)					
Date	Weather	Start Time	1 st Hour (μg/m ³)	2 nd Hour (μg/m ³)	3 rd Hour (μg/m ³)	
05/02/2021	Sunny	9:13	57	50	54	
11/02/2021	Fine	9:05	42	40	45	
17/02/2021	Sunny	9:18	53	51	58	
22/02/2021	Sunny	9:06	58	55	49	
27/02/2021	Fine	9:11	44	41	40	

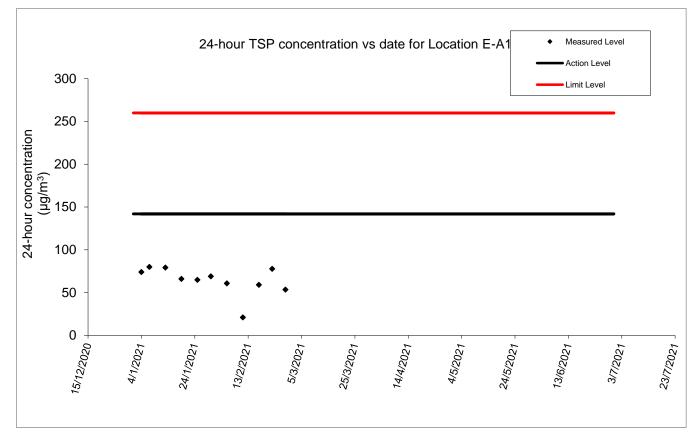




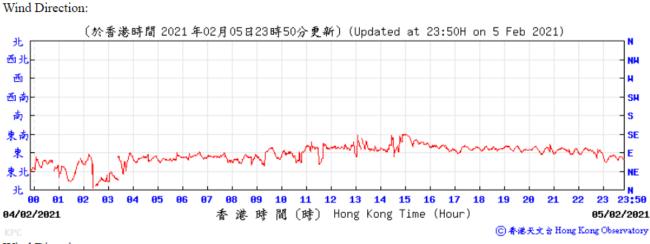
Location:	Hong Kong International Trade and Exhibition Centre (E-Al			
Monitoring date:	5, 11, 17, 22 and 27 February 2021			
Parameter:	TSP 24-hour			
Other Factors:	Nearby traffic			

										Date of	Calibration:	4-Feb-21		Slope =	27.7993
										Calibrati	on due date:	18-Feb-21		Intercept =	8.5436
										Date of	Calibration:	19-Feb-21		Slope =	26.6046
										Calibrati	on due date:	5-Mar-21		Intercept =	9.2541
Start Date	Weather		Elapse Time		Cl	hart Readin	g	Avg Air Temp	Avg Atmospheric Pressure		Standard Air Volume	Filter Weight	(o)	Particulate weight	Conc.
	Condition	Initial	Final	Actual (min)	Min	Max	Avg	(°C)	(mm hPa)	(m ³ /min)	(m ³)	Initial	Final	(g)	$(\mu g/m^3)$
5/2/2021	Sunny	2888.46	2912.46	1440.00	41	41	41.0	19.9	1019.8	1.19	1712	2.7755	2.8796	0.1041	61
11/2/2021	Fine	2912.46	2936.46	1440.00	41	42	41.5	17.4	1014.7	1.21	1737	2.7345	2.7711	0.0366	21
17/2/2021	Sunny	2936.49	2960.49	1440.00	42	42	42.0	20.4	1019.6	1.22	1762	2.7588	2.8630	0.1042	59
22/2/2021	Sunny	2960.85	2984.85	1440.00	41	42	41.5	21.4	1015.8	1.22	1763	2.724	2.8610	0.1370	78
27/2/2021	Fine	2984.85	3008.85	1440.00	41	41	41.0	18.8	1014.0	1.21	1742	2.7415	2.8345	0.0930	53

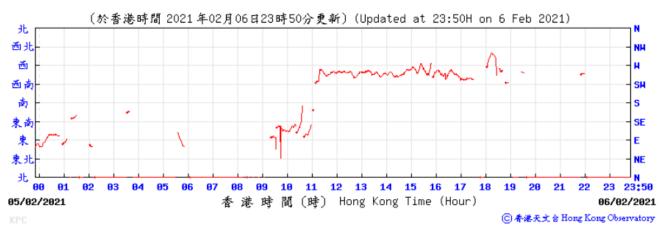
Figure 2: Graphical Illustration of Measured 24-hour TSP ($\mu g/m^3$) Levels at E-A1

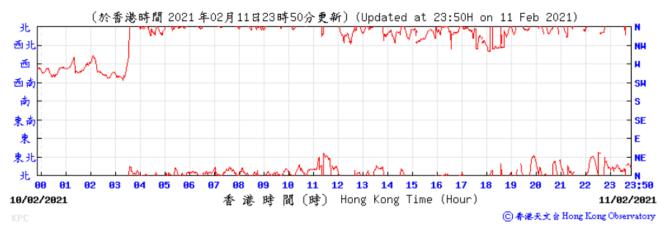


WIND DIRECTION DATA FOR 5, 6, 11, 12, 17, 18, 22, 23, 27 and 28 February 2021

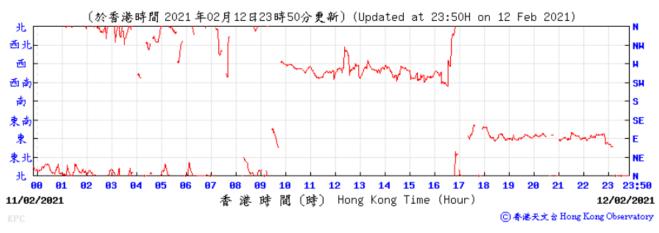


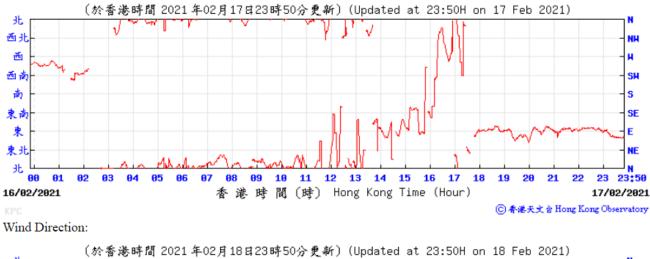
Wind Direction:



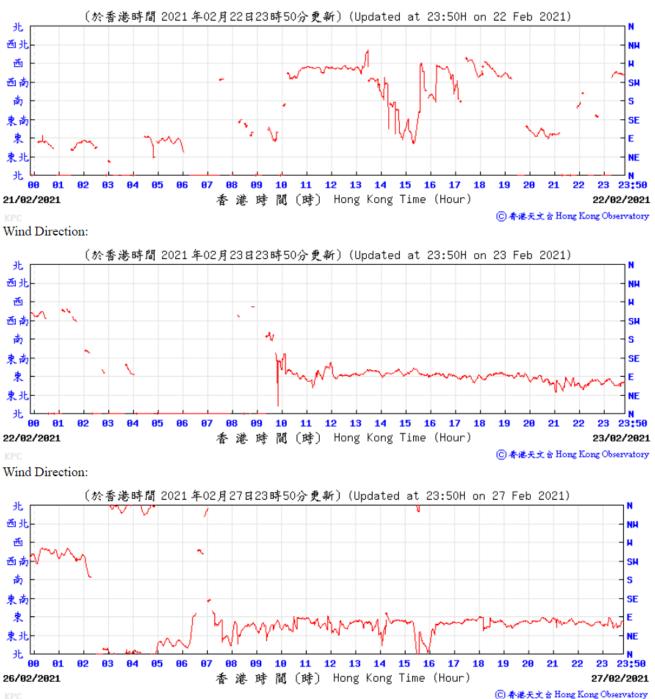


Wind Direction:

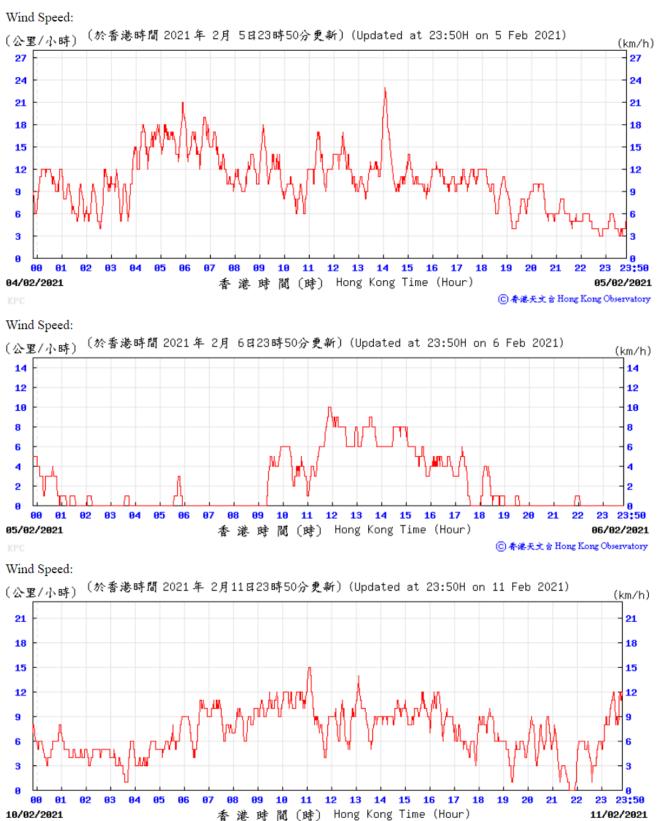










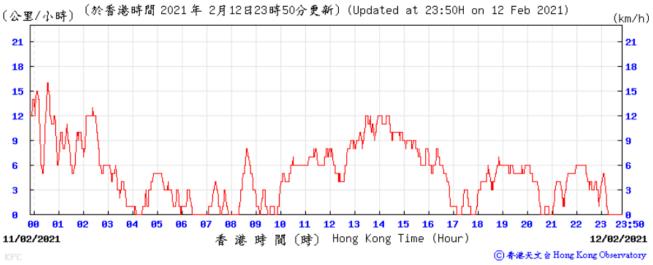


ⓒ 春港天文 含 Hong Kong Observatory

WIND SPEED DATA FOR 5, 6, 11, 12, 17, 18, 22, 23, 27 and 28 February 2021

Acuity Sustainability Consulting Ltd.

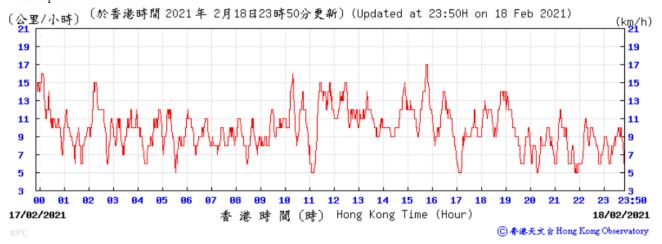




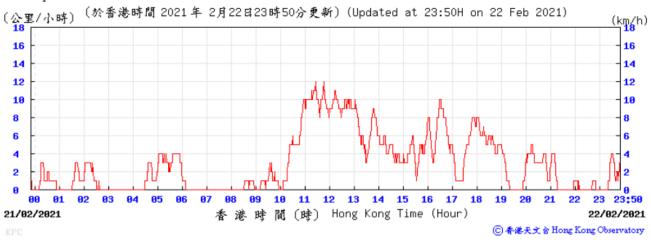
Wind Speed:



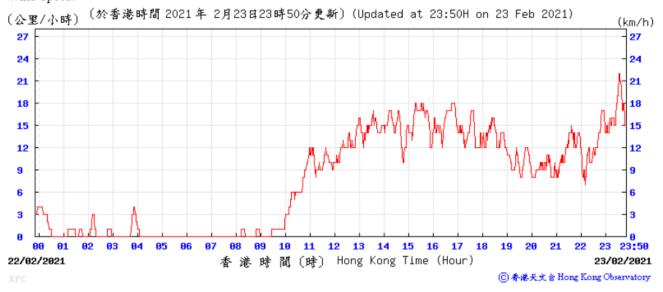
Wind Speed:



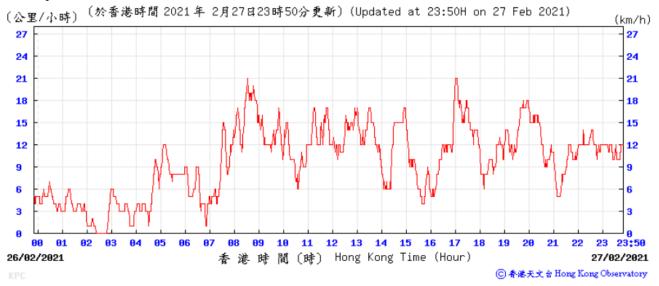


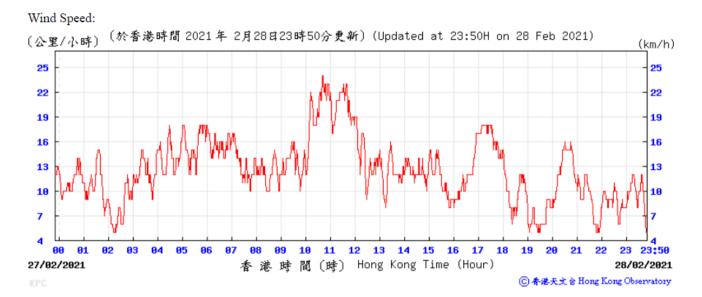


Wind Speed:



Wind Speed:





Appendix L Waste Flow Table

Monthly Summary Waste Flow Table

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

Highways Department Name of Department:

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

		Actual Quantities of Inert Construction Waste Generated Monthly					
Month		(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	0.00	0.00	0.00	0.00	0.00	0.00	
Apr-21	0.00	0.00	0.00	0.00	0.00	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	29,652.36	0.00	100.00	15,697.68	13,634.66	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	29,652.36	0.00	100.00	15,697.68	13,634.66	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	179,954.40	340.00	380.00	50,696.40	126,068.28	1,109.00	

	Actual Quantities of <u>Non-inert</u> Construction Waste Generated Monthly									
Month	(g) Metals		(h) Paper/ cardboard packaging		(i) Plastics		(j) Chemical 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	0.00	
Apr-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
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	104.35	104.35	0.03	0.03	0.00	0.00	0.00	0.00	115.64	
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	104.35	104.35	0.03	0.03	0.00	0.00	0.00	0.00	115.64	
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	334.39	334.39	1.36	1.36	0.00	0.00	0.00	0.00	1,024.97	

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

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

Statistical Summary of Environmental Complaints

Departing Devied	Env	vironmental Complaint Statis	stics
Reporting Period	Frequency	Cumulative	Complaint Nature
1 Feb 2021 – 28 Feb 2021	0	2	N/A

Statistical Summary of Environmental Non-compliance

Donorting Daried	Enviro	onmental Non-compliance Sta	atistics
Reporting Period	Frequency	Cumulative	Details
1 Feb 2021 –	0	0	N/A
28 Feb 2021	0	0	IN/A

Statistical Summary of Environmental Summons

Donorting Doriod	En	vironmental Summons Statis	tics
Reporting Period	Frequency	Cumulative	Details
1 Feb 2021 – 28 Feb 2021	0	0	N/A

Statistical Summary of Environmental Prosecution

Donorting Doriod	Env	ironmental Prosecution Stati	stics
Reporting Period	Frequency	Cumulative	Details
1 Feb 2021 – 28 Feb 2021	0	0	N/A

Appendix N Monitoring Schedule of the Coming Month

March 2021

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

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. 5 (February 2021)

Version 1 Date of Report: 8 March 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.5
Date of Report:	8 March 2021 (Version 1)
Date received by IEC:	8 March 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/plan complies with the above referenced condition of EP-457/2013/C.

Mandy 20.

Ms Mandy To Independent Environmental Checker Date:

8 March 2021

Our ref: 0436942_IEC Verification Cert_BEM_Monthly EM&A Rpt No.5_20210308.docx

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

EXECUTIVE SUMMARY

Introduction

- This is the 5th 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 1st February 2021 – 28th February 2021.
- 2. The major site activities undertaken in Kai Tak East Area in the reporting month included:
 - Piling works; 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 2, 9, 18 & 23 February 2021, whereas joint site inspection with the representative of IEC was conducted on 9 February 2021. The implementation of the environmental mitigation measures, Event Action Plans and environmental complaint handling procedures were also checked.
- 4. A summary of the non-compliance (exceedance) during the reporting month (January 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	Brief Description	Follow-up/ Remedial Actions Re		
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; 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 12th October 2020.

Purpose of the Report

1.5 This is the 5th Monthly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme in Kai Tak East Area during the reporting period from 1st February 2021 – 28th February 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
	itel i l'oject contacts

Party	Role	Contact Person	Phone No.		
AMMJV	Engineer Representative	Mr. Tommy Wong	3551 9251		
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; 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 Period		Status			
Permit / License No.	From	То	Status			
Environmental Permit (EP)	Environmental Permit (EP)					
EP-457/2013/C	16 Jan 2017	N/A	Valid			
Notification of Construction Works	s under Air Pollution	Control Ordinance	(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	Construction Noise Permit - Kai Tak Site (Percussive Piling [Sheet Piles])					
PP-RE0037-20	19 Oct 2020	18 Mar 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 ³)	Disposed as Public Fill (in '000m ³)	Others, e.g. general refuse (in '000m ³)	Metals (in '000kg)	Paper/cardboard Packaging (in '000kg)	Plastics (in '000kg)	Chemical waste (in '000kg)
February 2021	0.412	0.412	0.014	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 2 & 18 February 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 2, 9, 18 & 23 February 2021 in the reporting month. Joint site inspection with the representative of IEC was conducted on 9 February 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	Date	Observations	Follow-up Actions
Water Quality	18 Feb 2021	Stagnant water in the excavator bucket should be removed at Kai Tak Ventilation Building Site.	Stagnant water in the excavator bucket had been removed by the Contractor at Kai Tak Ventilation Building Site during the audit session on 23 Feb 2021.
Water Quality	23 Feb 2021	Stagnant water accumulated on the drip tray should be removed at Kai Tak Ventilation Building Site.	Stagnant water accumulated on the drip tray had been removed at Kai Tak Ventilation Building Site during the audit session on 2 Mar 2021.
Air Quality	2 Feb 2021	Water spraying should be provided for stockpiles awaiting for backfilling to avoid dust generation at Kai Tak Ventilation Building Site.	The stockpiles had been covered by impervious sheets at Kai Tak Ventilation Building Site during the audit session on 9 Feb 2021.
Noise	N/A	No environmental deficiency was identified in the reporting period.	N/A
Waste / Chemical Management	23 Feb 2021	The chemical should be stored in drip tray at Kai Tak Ventilation Building Site.	The concerned chemical had been removed at Kai Tak Ventilation Building Site during the audit session on 2 Mar 2021.

 Table 6.1
 Observations and Recommendations of Site Inspections

Parameters	Date	Observations	Follow-up Actions
Land Contamination	N/A	No environmental deficiency was identified in the reporting period.	N/A
Landscape and Visual	N/A	No environmental deficiency was identified in the reporting period.	N/A
Permits /Licences	N/A	No environmental deficiency was identified in the reporting period.	N/A

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 (January 2021)	11 February 2021

7 FUTURE KEY ISSUES

- 7.1 Major site activities undertaken for the coming two months include:
 - Piling works; 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 5th Monthly EM&A Report which presents the EM&A works undertaken in Kai Tak East Area during the reporting month from 1st February 2021 – 28th February 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.

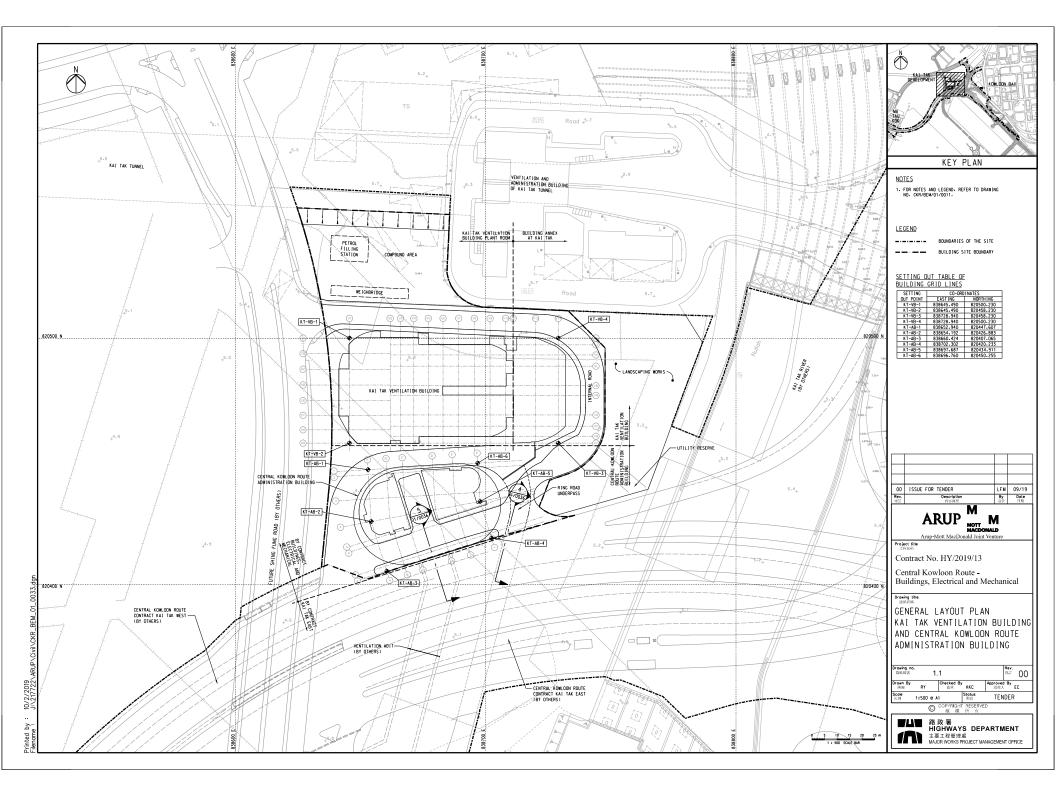
Site Audit

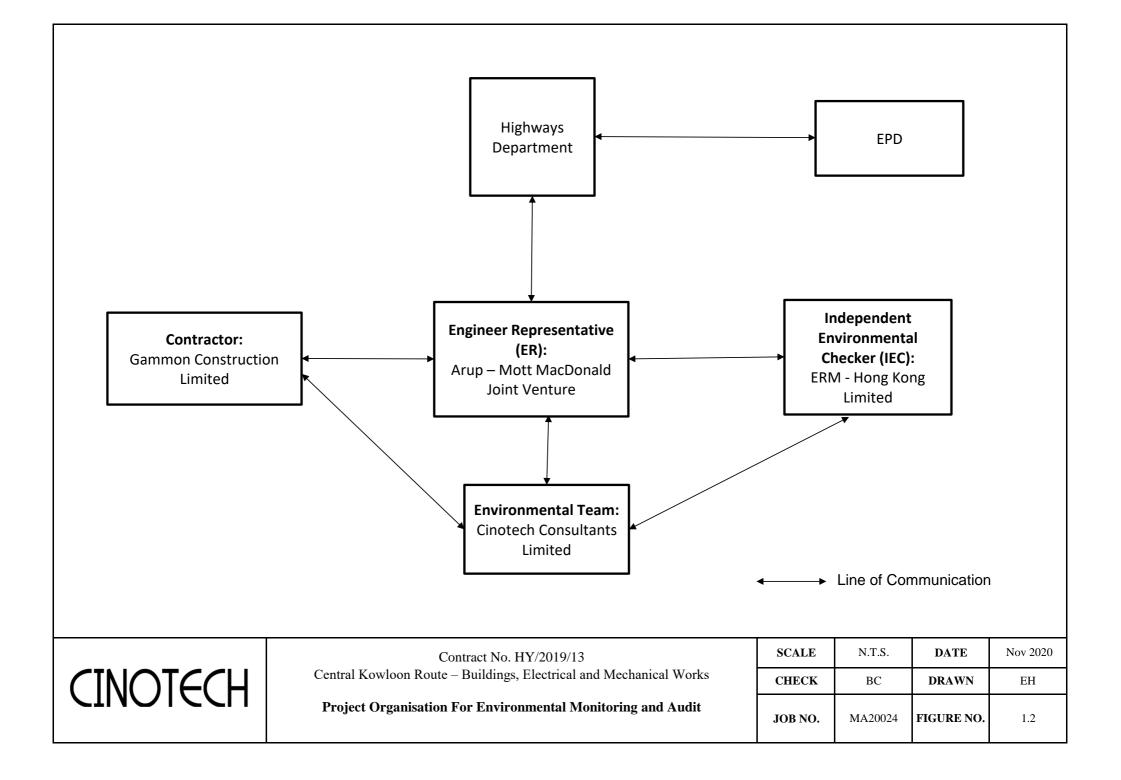
8.4 4 ET joint weekly environmental site inspections were conducted in the reporting month. Joint weekly site inspections with the representative of ET, Engineer Representative and the Contractor were conducted on 2, 9, 18 & 23 February 2021, whereas joint site inspection with the representative of IEC was conducted on 9 February 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

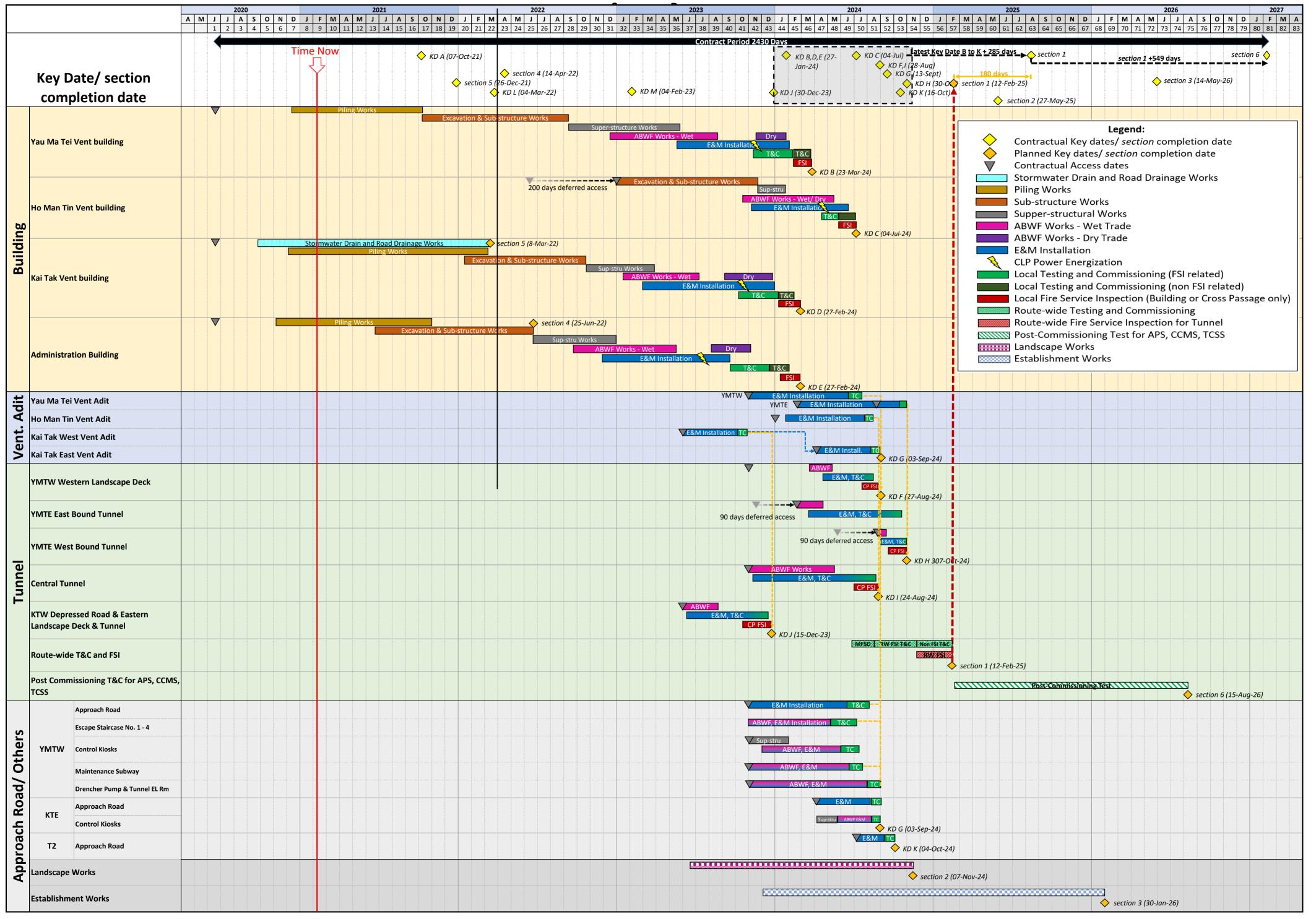




APPENDIX A CONSTRUCTION PROGRAMME



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

<u>Kai Tak Site Area</u>

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	0.000	0.698	0	0	0	0	0	0	0.009
Feb	0.412	0	0	0.000	0.412	0	0	0	0	0	0	0.014
Mar												
Apr												
May												
Jun												
Sub-Total	1.111	0	0	0.000	1.111	0	0	0	0	0	0	0.023
Jul												
Aug												
Sep												
Oct												
Nov												
Dec												
Total (2020)	6.792	0	0	0.000	6.792	0	0	0	0	0	0	0.060
Total (2021)	1.111	0	0	0.000	1.111	0	0	0	0	0	0	0.023
Total	7.903	0	0	0.000	7.903	0	0	0	0	0	0	0.083

Note:

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

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

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

(4)

The summary table shall be submitted to the Project Manager monthly together with the Waste Flow Table for review and monitoring in accordance with the PS Clause 25.24 (5) Density values and Bulk Factors adopted:

Hard Rock and Large Broken Concrete:	2.4 T/m3 (in-situ)	Bulk Factor:	1.25
Soil / Fill:	2.0 T/m3 (in-situ)	Bulk Factor:	1.1
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" volum	ne, with Bulk Factor applied as pe	r Note (5)	

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

APPENDIX C ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
	n Dust Impact							
S4.3.10	Dl	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	D2		Minimize dust impact at the nearby sensitive receivers	Contractor	All construction sites	Construction stage	- APCO - To control the dust impact to meet HKAQO and TM-EIA criteria	^
S4.3.10	D3	Proper watering at exposed spoil should be undertaken throughout the construction phase. Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading. Any dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads. A stockpile of dusty material should not be extended beyond the pedestrian barriers, fencing or traffic cones. The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle. Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities or hardcores.		Contractor	All construction sites	Construction stage	- APCO - To control the dust impact to meet HKAQO and TM-EIA criteria	^ * ^ ^ ^ ^ ^ ^

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
		When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should be provided and properly maintained as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction period.						^
		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.						^
		Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet						۸
		Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding.						N/A
		Any skip hoist for material transport should be totally enclosed by impervious sheeting.						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	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
		Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies.						N/A
\$4.3.10	D6	Implement regular dust monitoring under EM&A programme during the construction stage.	Monitoring of dust impact	Contractor	Selected rep. dust monitoring station	Construction stage	- TM-EIA	٨
Construction	n Noise (Airbor							
S5.4.1	N1	Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme.	Control construction airborne noise	Contractor	All construction sites	Construction stage	- Annex 5, TM-EIAO	۸
		Machines and plant (such as trucks, cranes) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.						۸
		Plant known to emit noise strongly in one direction, where possible, be orientated so that the noise is directed away from nearby NSRs.						۸
		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
\$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	Λ

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
\$5.4.1	N3	Install movable noise barriers (typical design is wooden framed barrier with a small-cantilevered on a skid footing with 25mm thick internal sound absorptive lining), acoustic mat or full enclosure, screen the noisy plants including air compressors, generators and handheld breakers, etc.	Sreen the noisy plant items to be used at all construction sites	Contractor	All construction sites where practicable	Construction stage	- Annex 5, TM-EIAO	N/A
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	٨
S5.4.1	N7	Implement a noise monitoring programme under EM&A programme.	Monitor the construction noise levels at the selected representative locations	Contractor	Selected rep. noise monitoring station	Construction stage	- TM-EIAO	N/A
Water Quali	ity (Construction	on Phase)						
S6.9.1.1	W1	<u>Construction Runoff</u> At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided on site to direct stormwater to silt removal facilities. The design of the temporary on-site drainage system will be undertaken by the contractor prior to the commencement of construction.	To minimize water quality impact from the construction site runoff and general construction activities	Contractor	All construction sites where practicable	Construction stage	 Water Pollution Control Ordinance ProPECC PN 1/94 TM-EIAO TM-DSS 	^

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
		The dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the runoff discharge into an appropriate watercourse, through a silt/ sediment trap. The sediment/ silt traps should be incorporated in the permanent drainage channels to enhance deposition rates.						A
		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.						۸
		Measures should be taken to minimize the ingress of site drainage into excavations. If the excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.						۸

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

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
		All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to prevent spilled fuel oils from reaching water sensitive receivers nearby.						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.						٨
\$6.9.1.2		<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.						N/A
		The wastewater with a high concentration of SS should be treated (e.g. by sedimentation tanks with sufficient retention time) before discharge. Oil interceptors would also be required to remove the oil, lubricants and grease from the wastewater.						N/A
		Direct discharge of the bentonite slurry (as a result of D-wall) is not allowed. It should be reconditioned and reused wherever practicable. Temporary storage locations (typically a properly closed warehouse) should be provided on site for any unused bentonite that needs to be transported away after all the related construction activities area completed. The requirements in ProPECC PN 1/94 should be adhered to in the handling and disposal of bentonite slurries.						N/A
\$6.9.1.3		Sewage Effluent Portable chemical toilets and sewage holding tanks are recommended for handling the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	To minimize water quality from sewage effluent	Contractor	All construction sites where practicable	Construction stage	- Water Pollution Control Ordinance - TM-DSS	۸

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
S6.9.1.5		Groundwater from Potential Contaminated Area: No direct discharge of groundwater from contaminated areas should be adopted. A discharge license under the WPCO through the Regional Office of EPD for groundwater discharge should be applied. Prior to the excavation works within these potentially contaminated areas, the groundwater quality should be reviewed during the process of discharge license application. The compliance to the Technical Memorandum on Standards for Effluents Discharged into Drainage on Sewerage Systems, Inland and Coastal Waters (TM-DSS) and the existence of prohibited substance should be confirmed. If the review results indicated that the groundwater to be generated from the excavation works would be contaminated, the contaminated groundwater should be either properly treated in compliance with the requirements of the TM-DSS or properly recharged into the ground.	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.						Λ
		If groundwater recharging wells are deployed, recharging wells should be installed as appropriate for recharging the contaminated groundwater back into the ground. The recharging wells should be selected at places where the groundwater quality will not be affected by the recharge operation as indicated in the Section 2.3 of TM-DSS. The baseline groundwater quality shall be determined prior to the selection of the recharge wells, and submit a working plan (including the laboratory analytical results showing the quality of groundwater at the proposed recharge location(s) as well as the pollutant levels of groundwater to be recharged) to EPD for agreement. Pollution levels of groundwater to be recharged shall not be higher than pollutant levels of ambient groundwater at the recharge well. Prior to recharge, any prohibited substances such as TPH products should be removed as necessary by installing the petrol interceptor.						N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
\$6.9.1.6	W6	Accidental Spillage All the tanks, containers, storage area should be bunded and the locations should be locked as far as possible from the sensitive watercourse and stormwater drains.	To minimize water quality impact from accidental spillage	Contractor	All construction site where practicable	Construction stage	- Water Pollution Control Ordinance - ProPECC PN 1/94 - TM-EIAO - TM-DSS	*
		The Contractor should register as a chemical waste producer if chemical wastes would be generated. Storage of chemical waste arising from the construction activities should be stored with suitable labels and warnings.						^
		Disposal of chemical wastes should be conducted in compliance with the requirements as stated in the Waste Disposal (Chemical Waste) (General) Regulation.						Λ
	0	ruction Waste)	1	1		•	r	
S7.4.1		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	Separation of unsuitable rock from ending up at concrete batching plants and be turned into concrete for structural use	Contractor	All construction sites	Construction stage	• DEVB (W) No. 6/2010	Α

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on 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	Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance	۸	
		Carry out on-site sorting. Make provisions in the Contract documents to allow and promote the use of	C&D materials as far as practicable so as to reduce the				• ETWB TCW No. 19/2005		۸ ۸
		recycled aggregates where appropriate	amount for final disposal						
		Adopt 'selective demolition' technique to demolish the existing structures and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible.						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&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	 Land (Miscellaneous Provisions) Ordinance Waste Disposal Ordinance ETWB TCW No. 19/2005 	٨	
		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	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
S7.5.1	WM4	Excavated Contaminated Soils Details of the mitigation measures on handling of the contaminated soil shall be referred to Section on Land Contamination below.	The contaminated soil will be excavated for on- site reuse	Contractor	PBH4	Prior to commencemen t of construction works within the contaminated	Practice Guide (PG) for Investigation and Remediation of Contaminated Land · GN/GM for land contamination	۸
\$7.5.1	WM5	Land-based and Marine-based Sediment All construction plant and equipment shall be designed and maintained to minimize the risk of silt, sediments, contaminants or other pollutants being released into the water column or deposited in the locations other than designated location.	To control pollution due to marine sediment	Contractor	Along CKR alignment	Construction stage	• ETWB TCW No. 34/2002	٨
		All vessels shall be sized such that adequate draft is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash.						N/A
		Before moving the vessels which are used for transporting dredged material, excess material shall be cleaned from the decks and exposed fittings of vessels and the excess materials shall never be dumped into the sea except at the approved locations.						N/A
		Adequate freeboard shall be maintained on barges to ensure that decks are not washed by wave action.						N/A
		The Contractors shall monitor all vessels transporting material to ensure that no dumping outside the approved location takes place. The Contractor shall keep and produce logs and other records to demonstrate compliance and that journeys are consistent with designated locations and copies of such records shall be submitted to the engineers.						N/A
		The Contractors shall comply with the conditions in the dumping licence.						۸
		All bottom dumping vessels (Hopper barges) shall be fitted with tight fittings seals to their bottom openings to prevent leakage of material.						N/A
		The material shall be placed into the disposal pit by bottom dumping.						N/A

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
		Contaminated marine mud shall be transported by spit barge of not less than 750m3 capacity and capable of rapid opening and discharge at the disposal site.						N/A
		Discharge shall be undertaken rapidly and the hoppers shall be closed immediately. Material adhering to the sides of the hopper shall not be washed out of the hopper and the hopper shall remain closed until the barge returns to the disposal site.						N/A
		For Type 3 special disposal treatment, sealing of contaminant with geosynthetic containment before dropping designated mud pit would be a possible arrangement. A geosynthetic containment method is a method whereby the sediments are sealed in geosynthetic containers and, the containers would be dropped into the designated contaminated mud pit where they would be covered by further mud disposal and later by the mud pit capping at the disposal site, thereby fulfilling the requirements for fully confined mud disposal.						N/A
\$7.5.1		<u>Chemical Waste</u> Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.	Control the chemical waste and ensure proper storage, handling and disposal	Contractor	All construction sites		• Waste Disposal (Chemical Waste) (General) Regulation • Code of Practice on the Packaging, Labelling and Storage of Chemical	۸
		Containers used for the storage of chemical wastes should be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed, have a capacity of less than 450 L unless the specification has been approved by EPD, and display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the regulation.					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.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
		Disposal of chemical waste should be via a licensed waste collector, be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Centre which also offers a chemical waste collection service and can supply the necessary storage containers, or be to a reuser of the waste, under approval from EPD.						^
S7.5.1	WM7	General Refuse General refuse generated on-site should be stored in enclosed bins or compaction units separately from construction and chemical wastes.	Minimize production of the general refuse and avoid odour, pest	Contractor	All construction sites	Construction stage	· Waste Disposal Ordinance	٨
		A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimize odour, pest and litter impacts. Burning of refuse on construction sites is prohibited by law.	and litter impacts					۸
		Aluminum cans are often recovered from the waste stream by individual collectors if they are segregated and made easily accessible. Separate labelled bins for their deposit should be provided if feasible.						۸
		Office wastes can be reduced through the recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme should be considered by the Contractor.						٨
Land Contai	mination							
S8.9 & Appendix 8.4	LC2	Excavation of the Contaminated Soil Prior to commencement of the excavation works at the contamination zone, the zone should be clearly marked out on site and the surface levels recorded. Excavation of contaminated material should be undertaken using dedicated earth-moving plant.	The contaminated soil will be excavated for on- site reuse	Contractor	PBH4	t of	Practice Guide (PG) for Investigation and Remediation of Contaminated Land - Guidance Notes for Contaminated Land	N/A
		The excavated contaminated soils would be stockpiled at designated area on site and covered by sheet to prevent dispersion of contamination during stockpiling.					Assessment and Remediation • Guidance Manual for Use of Risk-Based	N/A
		The Contractor should pay attention to the selection of suitable groundwater lowering schemes and discharge points if the groundwater table is higher than the contaminated soils during excavation. The Contractor should also obtain a valid Water Pollution Control Ordinance (WPCO) discharge licence from EPD where applicable.					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	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
Hazard to L			T	n		n	1	
S9.18	H8	The driver and his assistant should be physically healthy, experienced and have good safe driving records. The driver should hold a proper driving licence for the approved transport truck. Dedicated training programme and regular road safety briefing sessions/ workshops should be provided to enhance their safe driving attitude and practice. Smoking should be strictly prohibited.	To reduce the risk during explosives transport	Contractor	Works areas at which explosives would be used	Construction stage	/	^
\$9.18	H9	Emergency response plans in case of road accident should be prepared and implemented. The driver and his assistant should be familiar with the emergency procedures including evacuation, and proper communication/ fire-fighting equipment should be provided to the driver and his assistant.	To reduce the risk during explosives transport	Contractor	Works areas at which explosives would be used	Construction stage	/	^
Landscape a	nd Visual			L		L		
S10.10.1 Table 10.11	LV3	<u>Good Site Management</u> Large temporary stockpiles of excavated material shall be covered with unobtrusive sheeting to prevent dust and dirt spreading to adjacent landscape areas and vegetation, and to create a neat and tidy visual appearance.	Minimize visual impact	Contractor	Within Project site	Construction Phase	/	٨
		Construction plant and building material shall be orderly and carefully stored in order to create a neat and tidy visual appearance.						٨
S10.10.1 Table 10.11	LV4	<u>Screen Hoarding</u> Decorative screen hoarding should be erected to screen the public from the construction area. It should be designed to be compatible with the existing urban context.	Minimize visual impact	Contractor	Within Project site	Construction 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	/	٨
S10.10.1 Table 10.11	LV6	<u>Erosion Control</u> The potential for soil erosion shall be reduced by minimizing the extent of vegetation disturbance on site and by providing a protective cover over newly exposed soil.	Minimize landscape impact	Contractor	Within Project site	Construction Phase	/	۸

EIA Ref.	EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Implementati on Agent	Location / Timing	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
S10.10.1 Table 10.11		Tree Protection & Preservation Carefully protected during construction. Tree protection measures will be detailed at the Tree Removal Application stage and plans submitted to the relevant Government Department for approval in due course in accordance with ETWB TC no. 3/2006.	visual impact	Contractor	Within Project site	Construction Phase	 'Guidelines for Tree Risk Management and Assessment Arrangement on an Area Basis', Greening, Landscape and Tree Management (GLTM) Section, DEVB Latest recommended horticultural practices from GLTM Section, DEVB 	N/A
S10.10.1 Table 10.11		<u>Tree Transplantation</u> For trees unavoidably affected by the Project that have to be removed, where practical transplantation will be chosen as the top priority method of removal. If this is not possible or practical compensatory planting will be provided for trees unavoidably felled (See LV10). For trees unavoidably affected by the Project works that are transplanted, transplantation must be carried out in accordance with ETWB TCW 2/2004 and 3/2006.	visual impact	Contractor	Within Project site and designated off- site locations	Prior to Construction Phase	ETWB TCW 3/2006 Latest recommended horticultural practices from Greening, Landscape and Tree Management (GLTM) Section, DEVB ETWB TCW 2/2004	N/A
S10.10.1 Table 10.11		<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	Implementati on Stage	Requirements and/ or standards to be achieved	Implementation Status
S10.10.1 Table 10.11		Screen Planting Tall screen/buffer trees, shrubs and climbers should be planted, in so far as is possible, to soften and screen proposed structures such as roads and central strip, vertical edges and buildings and to enhance streetscape greening effect where appropriate. Indiscriminate use of trees for screening must be avoided and the principle of 'right tree for the right place' must be followed. This detail will be provided at the Detailed Design stage. This measure may additionally form part of the compensatory planting and will improve and create a pleasant pedestrian environment.	Minimize visual impact and also enhance landscape	Contractor	Within Project site	Construction Phase	 Guidelines on Greening of Noise Barriers, issued April 2012, GLTMS, DevB ETWB TCW 2/2004 	N/A
S10.10.1 Table 10.11		Green Roof 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		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
S10.10.1 Table 10.11		Reprovising of Public Open Space All areas of public open space affected by the Project will be reprovisioned either at the same location following the completion of temporary works, or at a separate site, as agreed with relevant Government departments. Open space should be re-provisioned in an enhanced manner.	Minimize landscape impact	Contractor	Within Project site	Construction Phase	Open space should be re- provided in an enhanced manner.	N/A
Cultural Her	ritage Impact (Construction Phase)						
S11.4.4		The contractor should be alerted during the construction on the possibility of locating archaeological remains and as a precautionary measure, AMO shall be informed immediately in case of discovery of antiquities or supposed antiquities in the subject sites.	To preserve any cultural heritage items which may be removed and damaged by the excavation	Contractor	During construction works for cut and cover tunnels	During the Construction Phase	AMOs requirements	N/A

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EM&A Proj	ect							
\$13.2	EM1	I I I I I I I I I I I I I I I I I I I	Control EM&A Performance	Highways Department	All construction sites	Construction stage	 EIAO Guidance Note No. 4/2010 TM-EIAO 	٨
S13.2-13.4	EM2		Perform environmental monitoring & auditing	Highways Department/ Contractor	All construction sites	Construction stage	 EIAO Guidance Note No. 4/2010 TM-EIAO 	۸
		Prepare a systematic Environmental Management Plan to ensure effective implementation of the mitigation measures;						۸
		An environmental impact monitoring needs to be implemented by the Environmental Team to ensure all the requirements given in the EM&A Manual are fully complied with.						٨

Remarks: E	Remarks: EM&A Programme under EP-457/2013/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: February 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.