

**JOB NO.: TCS00975/18** 

#### CEDD CONTRACT AGREEMENT NO. EDO/04/2018 -ENVIRONMENTAL TEAM FOR CROSS BAY LINK, TSEUNG KWAN O

MONTHLY ENVIRONMENTAL MONITORING & AUDITING REPORT OF THE PROJECT – SEPTEMBER 2022

PREPARED FOR CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT (CEDD)

Date	<b>Reference No.</b>	Prepared By	Certified By
11 October 2022	TCS00975/18/600/R0684v1	Http	Am

Martin Li (Environmental Consultant)

Tam Tak Wing (Environmental Team Leader)

Version	Date	Remarks
1	11 October 2022	First Submission



Acuity Sustainability Consulting Limited Nature & Technologies (HK) Limited Joint Venture



Our ref: PL-202210020

AECOM Asia Company Limited 8/F., Grand Central Plaza, Tower 2 138 Shatin Rural Committee Road Shatin, New Territories, Hong Kong

Attention: Mr. Conrad NG

14 October 2022

Dear Sir,

Contract No. NE/2017/07 & NE/2017/08 Cross Bay Link, Tseung Kwan O Monthly EM&A Report for September 2022

I refer to the email of the ET concerning the Monthly EM&A Report for September 2022 (Version 1) with Ref. No. TCS00975/18/600/R0684v1. We have no adverse comment on it and verify the captioned monthly report according to Conditions 1.9 and 4.4 of Environmental Permit with No. EP-459-2013.

Yours faithfully,

Li Wai Ming Kevin Independent Environmental Checker

cc. Mr. T.W. TAM (ETL) Ms. Sheri S.Y. LEUNG (CEDD)

#### **EXECUTIVE SUMMARY**

- ES01 Civil Engineering and Development Department (hereafter referred as "CEDD") is the Project Proponent and the Permit Holder of the Project Cross Bay Link, Tseung Kwan O (hereinafter referred as "the Project") which is a Designated Project to be implemented under Environmental Permit number EP-459/2013 (hereinafter referred as "the EP-459/2013" or "the EP").
- ES02 AUES was awarded the CEDD Contract Agreement No. EDO/04/2018 Environmental Team for Cross Bay Link, Tseung Kwan O (hereinafter called "the Service Contract"). The Services under the Service Contract is to provide environmental monitoring and audit (EM&A) services for the Works Contracts pursuant to the requirement of Environmental Team (ET) under the Approved EM&A Manual to ensure that the environmental performance of the Works Contracts comply with the requirement specified in the EM&A Manual and EIA Report of Agreement No. CE 43/2008 (HY) Cross Bay Link, Tseung Kwan O - Investigation and other relevant statutory requirements.
- ES03 To facilitate management, the proposed Works of the project was divided into two Civil Engineering and Development Department (CEDD) Works contracts included Contract 1 (Contract No. NE/2017/07) and Contract 2 (Contract No. NE/2017/08). The date for commencement of Contract 1 was 3<sup>rd</sup> December 2018 while the date for commencement of Contract 2 was 17<sup>th</sup> January 2019.
- ES04 According to the Approved Environmental Monitoring & Audit (EM&A) Manual, air quality, noise and water quality monitoring are required to be conducted during the construction phase of the Project. As part of the EM&A programme, baseline monitoring shall undertake before the Project construction work commencement to determine the ambient environment condition. The baseline air quality, background noise and water quality monitoring has been carried out between 21<sup>st</sup> September 2018 and 13<sup>th</sup> November 2018 at the designated and interim locations. The baseline monitoring report under the EP-459/2013 has been compiled by the ET and verified by Independent Environmental Checker (hereinafter the "IEC") prior submitted to EPD on 19<sup>th</sup> November 2018 for endorsement.
- ES05 This is the **46<sup>th</sup>** Monthly EM&A report presenting the monitoring results and inspection findings for the reporting period from *1* to *30 September 2022* (hereinafter 'the Reporting Period').

#### CONSTRUCTION WORKS CONDUCTED AT THE REPORTING MONTH

- ES06 The major construction activities of Contract 1 (Contract No. NE/2017/07) undertaken in this Reporting Period are:-
  - Concreting works at TKOI
  - E&M Work at Portion V Plant Room Building
  - EA to W4 E&M Cable tray installation & maintenance
  - Steel bridge E&M Cable tray installation
  - Top coating of steel deck and painting repair of the arch rib
  - Waterproofing works at CBL concrete bridge
  - Paving block for steel bridge
  - Installation of L3 parapet post & railing at east concrete bridge at Portion II
- ES07 The major construction activities of Contract 2 (Contract No. NE/2017/08) undertaken in this Reporting Period are:-
  - UU Diversion
  - Drainage work at Portion III
  - Monitoring and Instrumentation works
  - Ducting installation along Portion III, U-through and Elevated Deck
  - Ducting installation along At grade road and general backfilling
  - SENB installation at At-Grade Road and Wan O Road
  - SENB installation at Portion III, U-trough and Elevated Deck
  - Road Paving Work

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#### **ENVIRONMENTAL MONITORING AND AUDIT ACTIVITIES**

ES08 Environmental monitoring activities under the EM&A program in this Reporting Period are summarized in the following table.

Table ES-4	Summary Environmental Monitoring Activities Undertaken in the Reporting
	Period

Issues	Enviror	nmental Monitoring Parameters / Inspection	Sessions
Air Quality	1-Hour TSP	30	
All Quality	24-Hr TSP		12
	Leq (30min		12
Construction Noise		Evening <sup>(Note 1)</sup>	0
	Leq (5min) Night <sup>(Note 1)</sup>		0
Water Quality	Marine Wat	0	
Inspection / Audit	Contract 1	ET Regular Environmental Site Inspection	4
		Joint site audit with Project Consultant and IEC	1
		ET Regular Environmental Site Inspection	4
	Contract 2	Joint site audit with Project Consultant and IEC	1

Note 1 Total sessions are counted by every 3 consecutive Leq5min

*Note 2 Total sessions are counted by monitoring days* 

Note 3 Since the marine construction works that requires marine water quality monitoring as stated in the EM&A Manual were completed, the impact water quality monitoring was ceased with effect from 1 May 2020.

#### **BREACH OF ACTION AND LIMIT (A/L) LEVELS**

ES09 No air quality monitoring exceedance was recorded in this Reporting Period. For construction noise monitoring, no exceedance was recorded in this Reporting Period. The statistics of environmental exceedance and investigation of exceedance are summarized in the following table.

Table ES-5	Summary Environmental Monitoring Parameter Exceedance in the Reporting
	Period

Environmentel	Monitoning	Action	Limit	Event & Action		
Environmental Issues	Parameters			Investigation Results	<b>Corrective Actions</b>	
Air Quality	1-Hour TSP	0	0			
	24-Hr TSP	0	0			
Construction Noise	Leq <sub>30min</sub> Daytime	0	0			
	Leq <sub>5min</sub> Evening	0	0			
	Leq <sub>5min</sub> Night	0	0			
Water Quality (Marine Water)	DO	0	0			
	Turbidity	0	0			
	SS	0	0			

#### **ENVIRONMENTAL COMPLAINT**

**ES10** In the reporting period, no environmental complaint was recorded for the Project. The statistics of environmental complaint are summarized in the following table.

#### Table ES-6 Summary Environmental Complaint Records in the Reporting Period

Reporting	Contract	Enviro	nmental Com	plaint Statistics	Related with the
Period	Contract	Frequency	Cumulative	<b>Complaint Nature</b>	Works Contract(s)



1 - 30	1	0	29	NA	NA
September 2022	2	0	23	NA	NA

#### NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS

ES11 No environmental summons or prosecutions was received in this Reporting Period for the Project. The statistics of environmental summons or prosecutions are summarized in the following tables.

 Table ES-7
 Summary Environmental Summons Records in the Reporting Period

Reporting	Contract	Enviro	Related with the		
Period	Contract	Frequency	Cumulative	<b>Complaint Nature</b>	Works Contract(s)
1 - 30	1	0	0	NA	NA
September 2022	2	0	0	NA	NA

Table ES-8	Summary Environmental Prosecutions Records in the Reporting Period
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Reporting	Contract	Environ	Related with the		
Period	Contract	Frequency	Cumulative	<b>Complaint Nature</b>	Works Contract(s)
1 - 30	1	0	0	NA	NA
September 2022	2	0	0	NA	NA

#### **REPORTING CHANGE**

ES12 There is no reporting change made for this monthly report.

#### SITE INSPECTION BY EXTERNAL PARTIES

ES13 No site inspection was undertaken by AFCD within the Reporting Period. No site inspection was carried by EPD within the Reporting Period.

#### FUTURE KEY ISSUES

- ES14 During the wet season, the Contractor was reminded that all the works being undertaken must fulfill environmental statutory requirements and to paid attention to water quality mitigation measures to prevent surface runoff into nearby water bodies or public areas.
- ES15 Construction noise would be the key environmental issue as Lohas Park Phase 4 & 6 were already available for resident occupation. The noise mitigation measures such as use of quiet plants and installation of temporary noise barrier at the construction noise predominate area should be fully implemented in accordance with the EM&A requirement.



# **Table of Contents**

1.2       REPORT STRUCTURE       5         2.       PROJECT ORGANIZATION AND CONSTRUCTION PROGRESS AND SUBMISSION       5         2.1       PROJECT ORGANIZATION       5         2.2       CONSTRUCTION PROGRESS       6         2.3       SUMMARY OF ENVIRONMENTAL SUBMISSIONS       7         3. SUMMARY OF ENVIRONMENTAL MONITORING PROGRAMMES AND REQUIREMENTS       5         3.1       GENERAL       5         3.2       MONITORING LOCATIONS       5         3.4       MONITORING LOCATIONS       5         3.4       MONITORING COUPMENT       11         3.6       MONITORING PROCEDURES       12         3.7       DETERMINATION OF ACTION/LIMIT (A/L) LEVELS       12         3.8       DATA MANAGEMENT AND DATA QA/QC CONTROL       17         4       AIR QUALITY MONITORING       18         4.2       RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH       18         5.2       RESULTS OF NOISE MONITORING       19         5.1       GENERAL       20         6.1       GENERAL       20         7.1       GENERAL       20         6.1       GENERAL       21         7.2       RESULTS OF NOISE MONITORING       21 <t< th=""><th>1.</th><th>INTRODUCTION</th><th></th><th>3</th></t<>	1.	INTRODUCTION		3
2.       PROJECT ORGANIZATION AND CONSTRUCTION PROGRESS AND SUBMISSION       5         2.1       PROJECT ORGANIZATION       5         2.2       CONSTRUCTION PROGRESS       6         2.3       SUMMARY OF ENVIRONMENTAL SUBMISSIONS       7         3.       SUMMARY OF ENVIRONMENTAL MONITORING PROGRAMMES AND REQUIREMENTS       5         3.1       GENERAL       5         3.2       MONITORING PRAMETERS       5         3.3       MONITORING PRAMETERS       5         3.4       MONITORING FREQUENCY AND PERIOD       10         3.5       MONITORING PROCEDURES       12         3.7       DETERMINATION OF ACTION/LIMIT (A/L) LEVELS       15         3.8       DATA MANAGEMENT AND DATA QA/QC CONTROL       17         4. AIR QUALITY MONITORING       16         4.1       GENERAL       18         4.2       RESULTS OF AIR QUALITY MONITORING       19         5.1       GENERAL       19         5.2       RESULTS OF AIR QUALITY MONITORING       19         6.1       GENERAL       20         7.1       GENERAL       19         5.2       RESULTS OF NOISE MONITORING       21         7.1       GENERAL       19 <td< th=""><th></th><th></th><th></th><th>3</th></td<>				3
2.1       PROJECT ORGANIZATION       5         2.2       CONSTRUCTION PROGRESS       6         2.3       SUMMARY OF ENVIRONMENTAL SUBMISSIONS       7         3.       SUMMARY OF ENVIRONMENTAL MONITORING PROGRAMMES AND REQUIREMENTS       5         3.1       GENERAL       5         3.2       MONITORING PARAMETERS       5         3.3       MONITORING FREQUENCY AND PERIOD       10         3.4       MONITORING FREQUENCY AND PERIOD       10         3.5       MONITORING PROCEDURES       12         3.6       MONITORING PROCEDURES       12         3.7       DETERMINITATION OF ACTION/LIMIT (A/L) LEVELS       15         3.8       DATA MANAGEMENT AND DATA QA/QC CONTROL       17         4. AIR QUALITY MONITORING       16         4.1       GENERAL       16         5.2       RESULTS OF AIR QUALITY MONITORING       16         5.1       GENERAL       16         5.2       RESULTS OF NOISE MONITORING       16         5.1       GENERAL       20         7.1       GENERAL       20         7.1       GENERAL       21         7.2       RECORDS OF WASTE QUANTITIES       21         8.1       REQUIREME		1.2 REPORT S	TRUCTURE	3
2.2       CONSTRUCTION PROGRESS       6         2.3       SUMMARY OF ENVIRONMENTAL SUBMISSIONS       7         3.       SUMMARY OF ENVIRONMENTAL MONITORING PROGRAMMES AND       REQUREMENTS         8.       REQUREMENTS       5         3.1       GENERAL       5         3.2       MONITORING LOCATIONS       5         3.4       MONITORING EQUIPMENT       10         3.5       MONITORING PROCEDURES       12         3.7       DETERMINATION OF ACTION/LIMIT (A/L) LEVELS       15         3.8       DATA MANAGEMENT AND DATA QA/QC CONTROL       17         4.       AIR QUALITY MONITORING       16         4.1       GENERAL       18         4.2       RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH       18         5.1       GENERAL       19         5.1       GENERAL       20         6.1       GENERAL       20         7.2       RECORDS OF WASTE QUANTITIES       21         8.3       IMPLEMENTIS       22         8.4       REQUIREMENT       21         7.2       RECORDS OF WASTE QUANTITIES       22         8.3       IMPLEMENTATION STATUS OF SUPFACE RUNOFF MITIGATION MEASURES       23	2.	PROJECT ORGAN	IZATION AND CONSTRUCTION PROGRESS AND SUBMISSION	5
2.3       SUMMARY OF ENVIRONMENTAL SUBMISSIONS       7         3.       SUMMARY OF ENVIRONMENTAL MONITORING PROGRAMMES AND REQUIREMENTS       5         3.1       GENERAL       5         3.2       MONITORING PARAMETERS       5         3.3       MONITORING FREQUENCY AND PERIOD       10         3.5       MONITORING FREQUENCY AND PERIOD       10         3.6       MONITORING PROCEDURES       12         3.7       DETERMINATION OF ACTION/LIMIT (A/L) LEVELS       12         3.8       DATA MANAGEMENT AND DATA QA/QC CONTROL       17         4.1       GENERAL       18         4.2       RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH       18         5.2       RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH       18         5.1       GENERAL       19         5.2       RESULTS OF NOISE MONITORING       19         6.1       GENERAL       10         7.1       GENERAL       20         7.2       RECORDS OF WASTE MANAGEMENT       21         7.3       GENERAL WASTE MANAGEMENT       21         7.4       REQURENTIS       22         8.5       SITE INSPECTION       22         8.1       REQUIREMENT       2				5
3.       SUMMARY OF ENVIRONMENTAL MONITORING PROGRAMMES AND REQUIREMENTS       5         3.1       GENERAL       5         3.2       MONITORING PARAMETERS       5         3.3       MONITORING COLUMNS       5         3.4       MONITORING PREQUENCY AND PERIOD       10         3.5       MONITORING EQUIPMENT       11         3.6       MONITORING PROCEDURES       12         3.7       DETERMINATION OF ACTION/LIMIT (A/L) LEVELS       15         3.8       DATA MANAGEMENT AND DATA QA/QC CONTROL       17         4.       GENERAL       18         4.2       RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH       18         5.1       GENERAL       19         5.2       RESULTS OF NOISE MONITORING       19         5.1       GENERAL       19         5.2       RESULTS OF NOISE MONITORING       20         6.       WATER QUALITY MONITORING       20         6.1       GENERAL       19         7.2       RESOUTS OF NOISE MONITORING       21         7.1       GENERAL       21         7.2       RECORDS OF WASTE QUANITHIES       21         8.1       REQUIREMENT       21         7.2				6
REQUIREMENTS53.1GENERAL53.2MONITORING PARAMETERS53.3MONITORING COLATIONS53.4MONITORING EQUENCY AND PERIOD103.5MONITORING EQUENCY AND PERIOD103.6MONITORING PROCEDURES123.7DETERMINATION OF ACTION/LIMIT (A/L) LEVELS153.8DATA MANAGEMENT AND DATA QA/QC CONTROL174AIR QUALITY MONITORING184.1GENERAL184.2RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH185.1GENERAL195.1GENERAL195.2RESULTS OF NOISE MONITORING195.1GENERAL195.2RESULTS OF NOISE MONITORING196.WATER QUALITY MONITORING206.1GENERAL207.1GENERAL217.2RECORDS OF WASTE QUANTITIES218.1REQUIREMENT228.1REQUIREMENTS228.1REQUIREMENTS228.1REQUIREMENTS229.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.4GENERAL REQUIREMENTS279.1GENERAL REQUIREMENTS279.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING2610.1ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2		2.3 SUMMAR	y of Environmental Submissions	7
3.1       GENERAL       55         3.2       MONITORING PARAMETERS       55         3.3       MONITORING CACATIONS       55         3.4       MONITORING FREQUENCY AND PERIOD       10         3.5       MONITORING FREQUENCY AND PERIOD       10         3.6       MONITORING PROCEDURES       11         3.7       DETERMINATION OF ACTION/LIMIT (A/L) LEVELS       15         3.8       DATA MANAGEMENT AND DATA QA/QC CONTROL.       17         4. AIR QUALITY MONITORING       18         4.1       GENERAL       18         4.2       RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH       18         5.1       GENERAL       19         5.2       RESULTS OF NOISE MONITORING       19         5.1       GENERAL       19         5.2       RESULTS OF NOISE MONITORING       19         6.1       GENERAL       20         7.1       GENERAL       21         7.2       RECORDS OF WASTE QUANTITIES       21         7.3       RECORDS OF WASTE QUANTITIES       22         8.3       IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES       22         8.4       IRQUIREMENT       24         9.1       <	3.	SUMMARY OF EN	VIRONMENTAL MONITORING PROGRAMMES AND	
3.2       MONITORING PARAMETERS       5         3.3       MONITORING LOCATIONS       5         3.4       MONITORING FREQUENCY AND PERIOD       10         3.5       MONITORING EQUIPMENT       11         3.6       MONITORING PROCEDURES       12         3.7       DETERMINATION OF ACTION/LIMIT (A/L) LEVELS       15         3.8       DATA MANAGEMENT AND DATA QA/QC CONTROL       17         4.       AR QUALITY MONITORING       18         4.1       GENERAL       18         4.2       RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH       18         5.1       GENERAL       19         5.1       GENERAL       19         5.2       RESULTS OF NOISE MONITORING       19         6.       WATER QUALITY MONITORING       19         6.       WATER QUALITY MONITORING       20         6.1       GENERAL       20         7.1       GENERAL       20         7.2       RECORDS OF WASTE QUANTITIES       21         8.       SITE INSPECTION       22         8.1       REQUIREMENTS       22         8.1       REQUIREMENTS       22         9.       LANDFILL CAS MONITORING       24 <th></th> <th>_</th> <th></th> <th>9</th>		_		9
3.3       MONITORING LOCATIONS       5         3.4       MONITORING FRQUENCY AND PERIOD       10         3.5       MONITORING EQUEPMENT       11         3.6       MONITORING PROCEDURES       12         3.7       DETERMINATION OF ACTION/LIMIT (A/L) LEVELS       15         3.8       DATA MANAGEMENT AND DATA QA/QC CONTROL       17         4.       AIR QUALITY MONITORING       18         4.1       GENERAL       18         4.2       RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH       18         5.1       GENERAL       19         5.2       RESULTS OF NOISE MONITORING       19         5.1       GENERAL       19         5.2       RESULTS OF NOISE MONITORING       19         6.1       GENERAL       19         7.1       GENERAL       20         7.2       RECORDS OF WASTE QUANTITIES       21         7.1       GENERAL WASTE MANAGEMENT       21         7.2       RECORDS OF WASTE QUANTITIES       22         8.1       REQUREMENTS       22         8.2       FINDINGS / DEPICIENCIES DURING THE REPORTING MONTH       22         8.3       IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES       23 <th></th> <th></th> <th></th> <th>9</th>				9
3.4MONITORING FREQUENCY AND PERIOD103.5MONITORING EQUIPMENT113.6MONITORING PROCEDURES123.7DETERMINATION OF ACTION/LIMIT (A/L) LEVELS153.8DATA MANAGEMENT AND DATA QA/QC CONTROL174.AIR QUALITY MONITORING184.1GENERAL184.2RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH185.CONSTRUCTION NOISE MONITORING195.1GENERAL195.2RESULTS OF NOISE MONITORING206.WATER QUALITY MONITORING206.WATER QUALITY MONITORING207.1GENERAL207.2RESULTS OF NOISE MONITORING206.1GENERAL207.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION228.1REQUIREMENT228.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.4GENERAL REQUIREMENTS2510.1ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.1GENERAL REQUIREMENTS2711.2 <th></th> <th></th> <th></th> <th></th>				
3.5MONITORING EQUIPMENT113.6MONITORING PROCEDURES123.7DETERMINATION OF ACTION/LIMIT (A/L) LEVELS153.8DATA MANAGEMENT AND DATA QA/QC CONTROL174. AIR QUALITY MONITORING184.1GENERAL184.2RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH185.CONSTRUCTION NOISE MONITORING195.1GENERAL195.2RESULTS OF NOISE MONITORING195.3GENERAL206.WATER QUALITY MONITORING206.WATER QUALITY MONITORING206.1GENERAL207.2RECORDS OF WASTE QUANTITIES217.3RECORDS OF WASTE QUANTITIES218.SITE INSPECTION228.1REQUIREMENT228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.1CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS25 <th></th> <th></th> <th></th> <th></th>				
3.6MONITORING PROCEDURES123.7DETERMINATION OF ACTION/LIMIT (A/L) LEVELS153.8DATA MANAGEMENT AND DATA QA/QC CONTROL174. AIR QUALITY MONITORING184.1GENERAL184.2RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH185.CONSTRUCTION NOISE MONITORING195.1GENERAL195.2RESULTS OF NOISE MONITORING195.1GENERAL165.2RESULTS OF NOISE MONITORING196.WATER QUALITY MONITORING197.1GENERAL206.1GENERAL207.1GENERAL217.2RECORDS OF WASTE QUANTITIES218.1REQUIREMENT228.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.4ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.1GENERAL REQUIREMENTS2711.3IMPACT FORECAST2812.1CONCLUSIONS AND RECOMMENDATIONS2512.1CONCLUSIONS AND RECOMMENDATIONS25				
3.7DETERMINATION OF ACTION/LIMIT (A/L) LEVELS153.8DATA MANAGEMENT AND DATA QA/QC CONTROL174. AIR QUALITY MONITORING184.1GENERAL184.2RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH185.CONSTRUCTION NOISE MONITORING195.1GENERAL195.2RESULTS OF NOISE MONITORING156.WATER QUALITY MONITORING206.1GENERAL207.WASTE MANAGEMENT217.1GENERAL207.2RECORDS OF WASTE MANAGEMENT217.2RECORDS OF WASTE QUANTITIES228.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING249.3LANDFILL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2512.1CONCLUSIONS AND RECOMMENDATIONS2512.1CONCLUSIONS AND RECOMMENDATIONS<				
3.8DATA MANAGEMENT AND DATA QAQC CONTROL174. AIR QUALITY MONITORING184.1GENERAL184.2RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH185.CONSTRUCTION NOISE MONITORING195.1GENERAL195.2RESULTS OF NOISE MONITORING196.WATER QUALITY MONITORING206.1GENERAL207.WASTE MANAGEMENT217.1GENERAL WASTE MANAGEMENT217.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION228.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.4LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.4LIMIT LEVELS AND EVENT AND ACTION PLAN249.5LANDFILL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2512.1CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS				15
4.1GENERAL184.2RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH185.CONSTRUCTION NOISE MONITORING195.1GENERAL195.2RESULTS OF NOISE MONITORING196.WATER QUALITY MONITORING206.1GENERAL207.WASTE MANAGEMENT217.1GENERAL WASTE MANAGEMENT217.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION228.1REQUIREMENTS228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.4GENERAL REQUIREMENT249.3LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.4GENERAL REQUIREMENT2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.1CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29				17
4.1GENERAL184.2RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH185.CONSTRUCTION NOISE MONITORING195.1GENERAL195.2RESULTS OF NOISE MONITORING196.WATER QUALITY MONITORING206.1GENERAL207.WASTE MANAGEMENT217.1GENERAL WASTE MANAGEMENT217.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION228.1REQUIREMENTS228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.4GENERAL REQUIREMENT249.3LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.4GENERAL REQUIREMENT2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.1CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29	4	AIR OUALITY MC	INITORING	18
4.2RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH185.CONSTRUCTION NOISE MONITORING195.1GENERAL195.2RESULTS OF NOISE MONITORING196.WATER QUALITY MONITORING206.1GENERAL207.WASTE MANAGEMENT217.1GENERAL WASTE MANAGEMENT217.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION228.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.4GENERAL REQUIREMENT249.5LANDFILL GAS MONITORING249.6I. MPLEMENTATION STATUS OF MITIGATION PLAN249.7GENERAL REQUIREMENT2610.1ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2612.1CONCLUSIONS AND RECOMMENDATIONS2512.1CONCLUSIONS25	т.			18
5.1GENERAL195.2RESULTS OF NOISE MONITORING196.WATER QUALITY MONITORING206.1GENERAL207.WASTE MANAGEMENT217.1GENERAL WASTE MANAGEMENT217.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION228.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.4ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2512.1CONCLUSIONS AND RECOMMENDATIONS2512.1CONCLUSIONS25				18
5.2RESULTS OF NOISE MONITORING196.WATER QUALITY MONITORING General207.WASTE MANAGEMENT 7.1217.1GENERAL WASTE MANAGEMENT 7.2217.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION 8.1228.SITE INSPECTION 8.3228.1REQUIREMENTS 8.3229.1GENERAL REQUIREMENT 9.2249.1GENERAL REQUIREMENT 9.3249.2LIMIT LEVELS AND EVENT AND ACTION PLAN 9.3249.3LANDFILL GAS MONITORING 9.1249.4GENERAL REQUIREMENT 9.2249.5LANDFILL GAS MONITORING 9.1249.1GENERAL REQUIREMENT 	5.	CONSTRUCTION	NOISE MONITORING	19
6.WATER QUALITY MONITORING 6.1206.1GENERAL207.WASTE MANAGEMENT 7.1217.1GENERAL WASTE MANAGEMENT 7.2217.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION 8.1228.SITE INSPECTION 8.2228.FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH 8.3229.LANDFILL GAS MONITORING 9.1249.1GENERAL REQUIREMENT 9.2249.2LIMIT LEVELS AND EVENT AND ACTION PLAN 9.3249.3LANDFILL GAS MONITORING 9.32410.ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE 10.12611.IMPLEMENTATION STATUS OF MITIGATION MEASURES 11.12711.3IMPACT FORECAST2612.CONCLUSIONS AND RECOMMENDATIONS 12.12912.1CONCLUSIONS29				19
6.1GENERAL207.WASTE MANAGEMENT217.1GENERAL WASTE MANAGEMENT217.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION228.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING2410.1ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2611.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS AND RECOMMENDATIONS29		5.2 RESULTS	OF NOISE MONITORING	19
7.WASTE MANAGEMENT217.1GENERAL WASTE MANAGEMENT217.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION228.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GOMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS29	6.			20
7.1GENERAL WASTE MANAGEMENT 7.2217.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION228.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING2410.ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29		6.1 GENERAL	·	20
7.2RECORDS OF WASTE QUANTITIES218.SITE INSPECTION228.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.3LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING2410.1ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29	7.	WASTE MANAGE	MENT	21
8.SITE INSPECTION228.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING249.1ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29			, WASTE MANAGEMENT	21
8.1REQUIREMENTS228.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING249.3LANDFILL GAS MONITORING2410.ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29		7.2 Records	OF WASTE QUANTITIES	21
8.2FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH228.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING2410.ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29	8.	SITE INSPECTION	4	22
8.3IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES239.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING2410.ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29		8.1 REQUIRE	MENTS	22
9.LANDFILL GAS MONITORING249.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING2410.ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29				22
9.1GENERAL REQUIREMENT249.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING2410.ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29		8.3 IMPLEME	NTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES	23
9.2LIMIT LEVELS AND EVENT AND ACTION PLAN249.3LANDFILL GAS MONITORING2410.ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE2610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29	9.	LANDFILL GAS M	ONITORING	24
9.3LANDFILL GAS MONITORING2410.ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE 10.12611.ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES 11.12711.1GENERAL REQUIREMENTS 11.22711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH 11.32712.CONCLUSIONS AND RECOMMENDATIONS 12.12924.CONCLUSIONS2925.21.CONCLUSIONS29				24
10.ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE 10.12610.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES 11.12711.1GENERAL REQUIREMENTS 11.22711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH 11.32712.CONCLUSIONS AND RECOMMENDATIONS 12.12921.CONCLUSIONS29				24
10.1ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION2611.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29		9.3 LANDFILI	L GAS MONITORING	24
11.IMPLEMENTATION STATUS OF MITIGATION MEASURES2711.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29	10.	ENVIRONMENTA	L COMPLAINT AND NON-COMPLIANCE	26
11.1GENERAL REQUIREMENTS2711.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29		10.1 Environ	MENTAL COMPLAINT, SUMMONS AND PROSECUTION	26
11.2TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH2711.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29	11.	IMPLEMENTATIC	ON STATUS OF MITIGATION MEASURES	27
11.3IMPACT FORECAST2812.CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29		11.1 GENERAL	REQUIREMENTS	27
12. CONCLUSIONS AND RECOMMENDATIONS2912.1CONCLUSIONS29				27
12.1 CONCLUSIONS 29		11.3 IMPACT F	ORECAST	28
	12.	CONCLUSIONS A	ND RECOMMENDATIONS	29
12.2 RECOMMENDATIONS 29				29
		12.2 RECOMM	ENDATIONS	29

1

#### CEDD Contract Agreement No. EDO/04/2018 -Environmental Team for Cross Bay Link, Tseung Kwan O Monthly Environmental Monitoring & Audit Report – September 2022

#### LIST OF TABLES TABLE 2-1 DOCUMENTS SUBMISSION UNDER ENVIRONMENTAL PERMIT REQUIREMENT TABLE 2-2 STATUS OF ENVIRONMENTAL LICENSES AND PERMITS OF THE PROJECT WORKS (CONTRACT 1) TABLE 2-3 STATUS OF ENVIRONMENTAL LICENSES AND PERMITS OF THE PROJECT WORKS (CONTRACT 2) TABLE 3-1 SUMMARY OF EM&A REQUIREMENTS TABLE 3-2 DESIGNATED AIR QUALITY MONITORING LOCATION RECOMMENDED IN EM&A MANUAL TABLE 3-3 DESIGNATED CONSTRUCTION NOISE MONITORING LOCATION RECOMMENDED IN EM&A MANUAL TABLE 3-4 DESIGNATED AND INTERIM ALTERNATIVE LOCATION FOR AIR QUALITY AND NOISE MONITORING IN THE REPORTING PERIOD TABLE 3-5 LOCATION OF WATER QUALITY MONITORING STATION TABLE 3-6 AIR QUALITY MONITORING EQUIPMENT TABLE 3-7 CONSTRUCTION NOISE MONITORING EQUIPMENT TABLE 3-8 WATER MONITORING EQUIPMENT TABLE 3-9 TESTING METHOD AND REPORTING LIMIT OF THE CHEMICAL ANALYSIS **TABLE 3-10** ACTION AND LIMIT LEVELS FOR AIR QUALITY TABLE 3-11 ACTION AND LIMIT LEVELS FOR CONSTRUCTION NOISE **TABLE 3-12** ACTION AND LIMIT LEVELS FOR WATER QUALITY TABLE 4-1 1-HOUR TSP AIR QUALITY IMPACT MONITORING RESULTS FOR AM4 AND 24-HOUR TSP AIR QUALITY IMPACT MONITORING RESULTS FOR AM5 1-HOUR TSP AIR QUALITY IMPACT MONITORING RESULTS FOR AM2 AND 24-HOUR TSP AIR QUALITY TABLE 4-2 IMPACT MONITORING RESULTS FOR AM2A TABLE 5-1 DAYTIME CONSTRUCTION NOISE IMPACT MONITORING RESULTS AT CNMS-1 TABLE 5-2 DAYTIME CONSTRUCTION NOISE IMPACT MONITORING RESULTS AT CNMS-2 TABLE 5-3 DAYTIME CONSTRUCTION NOISE IMPACT MONITORING RESULTS AT CNMS-5 TABLE 7-1 SUMMARY OF QUANTITIES OF INERT C&D MATERIALS TABLE 7-2 SUMMARY OF QUANTITIES OF C&D WASTES TABLE 8-1 SITE OBSERVATIONS OF CONTRACT 1 TABLE 8-2 SITE OBSERVATIONS OF CONTRACT 1 TABLE 9-1 ACTIONS IN THE EVENT OF LANDFILL GAS BEING DETECTED IN EXCAVATIONS TABLE 9-2 SUMMARY OF LANDFILL GAS MEASUREMENT RESULTS **TABLE 10-1** STATISTICAL SUMMARY OF ENVIRONMENTAL COMPLAINTS

- TABLE 10-2
   STATISTICAL SUMMARY OF ENVIRONMENTAL SUMMONS
- TABLE 10-3
   STATISTICAL SUMMARY OF ENVIRONMENTAL PROSECUTION
- TABLE 11-1
   ENVIRONMENTAL MITIGATION MEASURES IN THE REPORTING MONTH

#### LIST OF APPENDICES

- APPENDIX A PROJECT LAYOUT PLAN
- APPENDIX B PROJECT ORGANIZATION CHART & CONTACT DETAILS OF KEY PERSONNEL
- APPENDIX C 3-MONTH ROLLING CONSTRUCTION PROGRAM
- APPENDIX D MONITORING LOCATION (AIR QUALITY, NOISE AND WATER QUALITY)
- APPENDIX E EVENT AND ACTION PLAN
- APPENDIX F IMPACT MONITORING SCHEDULE OF THE REPORTING MONTH AND COMING MONTH
- APPENDIX G CALIBRATION CERTIFICATES OF EQUIPMENT AND THE ACCREDITATION LABORATORY CERTIFICATE
- APPENDIX H DATABASE OF MONITORING RESULTS
- APPENDIX I GRAPHICAL PLOTS OF MONITORING RESULTS
- APPENDIX J METEOROLOGICAL DATA
- APPENDIX K WASTE FLOW TABLE
- APPENDIX L IMPLEMENTATION RECORD OF WATER MITIGATION MEASURES IN THE REPORTING MONTH
- APPENDIX M IMPLEMENTATION SCHEDULE FOR ENVIRONMENTAL MITIGATION MEASURES (ISEMM)

# 1. INTRODUCTION

#### 1.1 **PROJECT BACKGROUND**

- 1.1.1 Civil Engineering and Development Department (hereafter referred as "CEDD") is the Project Proponent and the Permit Holder of the Project Cross Bay Link, Tseung Kwan O (hereinafter referred as "the Project") which is a Designated Project to be implemented under Environmental Permit number EP-459/2013 (hereinafter referred as "the EP-459/2013" or "the EP").
- 1.1.2 AUES was awarded the CEDD Contract Agreement No. EDO/04/2018 Environmental Team for Cross Bay Link, Tseung Kwan O (hereinafter called "the Service Contract"). The Services under the Service Contract is to provide environmental monitoring and audit (EM&A) services for the Works Contracts pursuant to the requirement of Environmental Team (ET) under the Approved EM&A Manual to ensure that the environmental performance of the Works Contracts comply with the requirement specified in the EM&A Manual and EIA Report of Agreement No. CE 43/2008 (HY) Cross Bay Link, Tseung Kwan O - Investigation and other relevant statutory requirements.
- 1.1.3 To facilitate management, the proposed Works of *Cross Bay Link, Tseung Kwan O* (hereinafter called "the Project') was divided into two Civil Engineering and Development Department (CEDD) Works contracts included *Contract 1 (Contract No. NE/2017/07)* and *Contract 2 (Contract No. NE/2017/08)*. The details of each contract Works are summarized below and the delineation of each contract is shown in *Appendix A*.

Contract 1 (Contract No. NE/2017/07)

- (i) 400m section of marine viaducts of steel deck sections including the Eternal Arch Bridge;
- (ii) 600m section of marine viaducts of concrete deck sections;
- (iii) An E&M Plantroom and associated building services; and
- (iv) E&M provisions.

Contract 2 (Contract No. NE/2017/08)

- (i) Elevated deck structures along Road D9;
- (ii) A 210m section of cycle track and footpath ramp bridge;
- (iii) A 630m section of noise semi-enclosure covering the entire length of Road D9, and;
- (iv) Lift, staircase, modification of existing seawall along Road D9, landscaping and miscellaneous works.
- 1.1.4 The date for commencement of Contract 1 is 3<sup>rd</sup> December 2018 while the date for commencement of Contract 2 is 17<sup>th</sup> January 2019.
- 1.1.5 As part of the EM&A programme, baseline monitoring shall be undertaken before the Project construction work commencement to determine the ambient environmental condition. The baseline air quality, background noise and water quality monitoring has been carried out between 21<sup>st</sup> September 2018 and 13<sup>th</sup> November 2018 at the designated and interim locations. The baseline monitoring report under the EP-459/2013 has been compiled by the ET and verified by Independent Environmental Checker (hereinafter the "IEC") prior submitted to EPD on 19<sup>th</sup> November 2018 for endorsement.
- 1.1.6 This is the **46<sup>th</sup>** Monthly EM&A report presenting the monitoring results and inspection findings for the reporting period from *1* to *30 September 2022* (hereinafter 'the Reporting Period').

### **1.2 REPORT STRUCTURE**

- 1.2.1 The Environmental Monitoring and Audit (EM&A) Monthly Report is structured into the following sections:-
  - Section 1IntroductionSection 2Project Organization and Construction ProgressSection 3Summary of Impact Monitoring RequirementsSection 4Air Quality MonitoringSection 5Construction Noise Monitoring

Section 6	Water Quality Monitoring
Section 7	Waste Management
Section 8	Site Inspections
Section 9	Landfill Gas Monitoring
Section 10	Environmental Complaints and Non-Compliance
Section 11	Implementation Status of Mitigation Measures
Section 12	Conclusions and Recommendations

### 2. PROJECT ORGANIZATION AND CONSTRUCTION PROGRESS AND SUBMISSION

#### 2.1 **PROJECT ORGANIZATION**

2.1.1 The project organization is shown in *Appendix B*. The responsibilities of respective parties are:

#### The Project Consultant

- 2.1.2 The Project Consultant (hereinafter "the Consultant") is responsible for overseeing the construction works and for ensuring that the works are undertaken by the Contractor in accordance with the specification and contract requirements. The duties and responsibilities of the Consultant with respect to EM&A are:
  - Monitor the Contractors' compliance with contract specifications, including the implementation and operation of the environmental mitigation measures and their effectiveness
  - Monitor Contractors', ET's and IEC's compliance with the requirements in the Environmental Permit (EP) and EM&A Manual
  - Facilitate ET's implementation of the EM&A programme
  - Participate in joint site inspection by the ET and IEC
  - Oversee the implementation of the agreed Event / Action Plan in the event of any exceedance
  - Adhere to the procedures for carrying out complaint investigation

#### The Contractor(s) of Works Contract(s)

- 2.1.3 There will be one contractor for each individual works contract. The Contractor(s) should report to the Consultant. The duties and responsibilities of the Contractor are:
  - Comply with the relevant contract conditions and specifications on environmental protection
  - Participate in the site inspections by the ET and IEC, and undertake any corrective actions
  - Provide information / advice to the ET regarding works programme and activities which may contribute to the generation of adverse environmental impacts
  - Submit proposals on mitigation measures in case of exceedances of Action and Limit levels in accordance with the Event / Action Plans
  - Implement measures to reduce impact where Action and Limit levels are exceeded
  - Adhere to the procedures for carrying out complaint investigation

### Environmental Team (ET)

- 2.1.4 ET shall not be in any way an associated body of the Contractor(s) and employed by the Permit Holder (i.e., CEDD) to conduct the EM&A programme. The ET should be managed by the ET Leader. The ET Leader shall be a person who has at least 7 years' experience in EM&A and has relevant professional qualifications. Suitable qualified staff should be included in the ET, and resources for the implementation of the EM&A programme should be allocated in time under the Contract(s), to enable fulfillment of the Project's EM&A requirements as specified in the EM&A Manual during construction of the Project. ET shall report to the Project Proponent and the duties shall include:
  - Conduct baseline monitoring, impact monitoring and post-construction monitoring and the associated in-situ and laboratory tests to monitor various environmental parameters as required in the EM&A Manual and the EP
  - Analyze the environmental monitoring and audit data, review the success of EM&A programme and the adequacy of mitigation measures implemented, confirm the validity of the EIA predictions and identify any adverse environmental impacts arising
  - Carry out regular site inspection to investigate and audit the Contractors' site practice, equipment/plant and work methodologies with respect to pollution control and environmental mitigation, and effect proactive action to pre-empt problems
  - Monitor compliance with conditions in the EP, environmental protection, pollution prevention and control regulations and contract specifications
  - Audit environmental conditions on site

- Report on the environmental monitoring and audit results to EPD, the Consultant, the IEC and Contractor(s) or their delegated representatives
- Recommend suitable mitigation measures to the Contractor in the case of exceedance of Action and Limit levels in accordance with the Event and Action Plans
- Liaise with the IEC on all environmental performance matters and timely submit all relevant EM&A proforma for approval by IEC
- Advise the Contractor(s) on environmental improvement, awareness, enhancement measures etc., on site
- Adhere to the procedures for carrying out complaint investigation
- Set up a dedicated web site where the project information, all environmental monitoring and audit data and reports described in Condition 5.2 of the EP, and all finalized submissions and plans required under the EP are to be placed for public inspection
- Upload the environmental monitoring results to the dedicated web site in accordance with requirements of the EP and EM&A Manual
- To carry out the Operational Phase Landfill Gas monitoring during effluent drainage system maintenance for one year

# Independent Environmental Checker (IEC)

- 2.1.5 IEC will be employed for this Project. The Independent Environmental Checker (IEC) should not be in any way an associated body of the Contractor(s) or the ET for the Project. The IEC should be employed by the Permit Holder (i.e., CEDD) prior to the commencement of the construction of the Project. The IEC should have at least 7 years' experience in EM&A and have relevant professional qualifications. The duty of IEC should be:
  - Provide proactive advice to the Project Consultant and the Project Proponent on EM&A matters related to the project, independent from the management of construction works, but empowered to audit the environmental performance of construction
  - Review and audit all aspects of the EM&A programme implemented by the ET
  - Review and verify the monitoring data and all submissions in connection with the EP and EM&A Manual submitted by the ET
  - Arrange and conduct regular, at least monthly site inspections of the works during construction phase, and ad hoc inspections if significant environmental problems are identified
  - Check compliance with the agreed Event / Action Plan in the event of any exceedance
  - Check compliance with the procedures for carrying out complaint investigation
  - Check the effectiveness of corrective measures
  - Feedback audit results to ET by signing off relevant EM&A proforma
  - Check that the mitigation measures are effectively implemented
  - Report the works conducted, the findings, recommendation and improvement of the site inspections, after reviewing ET's and Contractor's works, and advices to the Project Consultant and Project Proponent on a monthly basis

## 2.2 CONSTRUCTION PROGRESS

2.2.1 3-month rolling construction program of the each Works Contract is enclosed in *Appendix C*; and the major construction activities undertaken in the Reporting Period is presented in below sub-sections.

### Contract 1 (Contract No. NE/2017/07)

- 2.2.2 The major construction activities of Contract 1 undertaken in this Reporting Period are:-
  - Concreting works at TKOI
    - E&M Work at Portion V Plant Room Building
    - EA to W4 E&M Cable tray installation & maintenance
    - Steel bridge E&M Cable tray installation
    - Top coating of steel deck and painting repair of the arch rib
    - Waterproofing works at CBL concrete bridge
    - Paving block for steel bridge
    - Installation of L3 parapet post & railing at east concrete bridge at Portion II

#### Contract 2 (Contract No. NE/2017/08)

- 2.2.3 The major construction activities of Contract 2 undertaken in this Reporting Period are:-
  - UU Diversion
  - Drainage work at Portion III
  - Monitoring and Instrumentation works
  - Ducting installation along Portion III, U-through and Elevated Deck
  - Ducting installation along At grade road and general backfilling
  - SENB installation at At-Grade Road and Wan O Road
  - SENB installation at Portion III, U-trough and Elevated Deck
  - Road Paving Work

#### 2.3 SUMMARY OF ENVIRONMENTAL SUBMISSIONS

2.3.1 The required documents list below shall be to submit to EPD for retention:

#### Table 2-1 Documents Submission under Environmental Permit Requirement

EP condition	Submission to EPD	Requirement	Situation				
	construction of the Project	no later than 1 month prior to the commencement of construction of the Project	<ul><li>Oct 2018</li><li>Contract 2 notified EPD on 12 Dec 2018</li></ul>				
	the Community Liaison	At least 1 month before the commencement of construction of the Project	-				
	Organization of Main	No later than 2 weeks before the commencement of construction of the Project	6				
2.5	Waste Management Plan (WMP)	No later than 1 month before commencement of construction of the Project					
2.6		No later than 1 month before commencement of construction of the Project					
2.7	Landfill Gas Hazards	No later than 1 month before commencement of construction of the Project					

- 2.3.2 Upon completed baseline monitoring, a Baseline Monitoring Report was verified by IEC on 19 November 2018 and submitted to EPD on that day for endorsement.
- 2.3.3 The notification of Project dedicated web site to EPD was made on 9 January 2019 (http://www.envcbltko.hk/).
- 2.3.4 Summary of the relevant permits, licenses, and/or notifications on environmental protection for the Project are presented in *Table 2-2*.

#### Table 2-2 Status of Environmental Licenses and Permits of the Project Works (Contract 1)

Itom	Description		License/Permit Status	
Item	Description	Permit no./	Valid Period	Status



		Account no./ Ref. no.	From	То	
1	Notification pursuant to Air pollution Control (Construction Dust) Regulation				Notified on 11 July 2018
2	Chemical Waste Producer Registration	5213-839-C1232 -19	28 Aug 2018	N/A	
3	Water Pollution Control Ordinance - Discharge License	WT00032842-20 18 WT00034178-20 19	1 Mar 2019 15 Jul 2019	31 Mar 2024 31 Jul 2024	Valid until 31 March 2024 Valid until 31 July 2024
4	Billing Account for Disposal of Construction Waste	7031412	24 Jul 2018	N/A	
5	Construction Noise	GW-RE0830-22	15 May 2022	30 Sep 2022	Valid until 30 Sep 2022
5	Permit	GW-RE1021-22	1 Oct 2022	30 Nov 2022	Valid until 30 Sep 2022

Remark: No evening work and night work was carried out for Contract 1

			License/Per	mit Status	-	
Item	Description	Permit no./	Valid	Period		
ium	Description	Account no./ Ref. no.	From	То	Status	
1	Notification pursuant to Air pollution Control (Construction Dust) Regulation				Notified on 31 October 2018	
2	Chemical Waste Producer Registration	5213-839-B2500 -04	22 Nov 2018	N/A		
3	Water Pollution Control Ordinance - Discharge License	WT00034244-20 19	8 Jul 2019	31 Jul 2024	Valid until 31 July 2024	
4	Billing Account for Disposal of Construction Waste	7032702	8 Nov 2018	N/A		
5	Construction Noise Permit	GW-RE0798-22	1 Aug 2022	31 Dec 2022	Valid until 31 Dec 2022	

Remark: No evening work and night work was carried out for Contract 2

# 3. SUMMARY OF ENVIRONMENTAL MONITORING PROGRAMMES AND REQUIREMENTS

#### 3.1 GENERAL

3.1.1 The Environmental Monitoring and Audit Programmes and requirements are set out in the Approved EM&A manual. Environmental issues such as air quality, construction noise and water quality were identified as the key issues during the construction phase of the Project. A summary of EM&A programmes and requirements are presented in the sub-sections below.

#### **3.2 MONITORING PARAMETERS**

3.2.1 Monitoring parameters of air quality, noise and water quality are summarized in *Table 3-1*.

Table 5-1 Summary of Enview Requirements						
Environmental Issue	Parameters					
Air Quality	<ul><li>1-hour TSP by Real-Time Portable Dust Meter; and</li><li>24-hour TSP by High Volume Air Sampler</li></ul>					
Noise	<ul> <li>Leq (30min) in six consecutive Leq(5 min) between 07:00-19:00 on normal weekdays</li> <li>Supplementary information for data auditing, statistical results such as L<sub>10</sub> and L<sub>90</sub> shall also be obtained for reference.</li> </ul>					
Water Quality	<ul> <li>In-situ measurement – Dissolved Oxygen (DO) concentration (mg/L) &amp; saturation (%), pH, Salinity (mg/L), Temperature (°C) and Turbidity (NTU); and</li> <li>Laboratory analysis – SS (mg/L)</li> </ul>					

# Table 3-1Summary of EM&A Requirements

# **3.3 MONITORING LOCATIONS**

Air Quality and Construction Noise

3.3.1 According to the Approved EM&A Manual Section 5.4 and Section 6.3, three (3) representative air sensitive receivers (ASR) and four (4) representative noise sensitive receivers were designated as monitoring stations. The designated air quality and noise monitoring locations are listed in *Table 3-2* and *Table 3-3*, and illustrated in *Appendix D*.

#### Table 3-2 Designated Air Quality Monitoring Location recommended in EM&A Manual

ID	Location in the EM&A Manual	<b>Currently Situation</b>
AM1	Tung Wah Group of Hospitals Aided Primary School & Secondary School	Not yet construct
AM2	Lohas Park Stage 2 (Planned Development in Area 86)	Available for resident occupation in February 2021
AM3	Lohas Park Stage 3 (Planned Development in Area 86)	Under Construction

# Table 3-3 Designated Construction Noise Monitoring Location recommended by EM&A Manual Manual

ID	Location	<b>Currently Situation</b>
CNMS-1	Lohas Park Stage 1(Planned Development in Area 86, Package 4) (Southeast facade)	Available for resident occupation in November 2019
CNMS-2	Lohas Park Stage 1 (Planned Development in Area 86, Package 6) (Southeast facade)	Available for resident occupation in February 2021
CNMS-3	Lohas Park Stage 3 (Planned Development in Area 86,Package 11) (West facade)	Under Construction
CNMS-4	Tung Wah Group of Hospitals Aided Primary School & Secondary School (Southwest facade)	Not yet construct

3.3.2 As observed and confirmed by ET and IEC during the joint site visit on 29<sup>th</sup> August 2018, the designated air quality and noise monitoring locations are under construction or yet to construct. It is considered that these designated locations are not appropriate to perform air quality and noise monitoring. In this regard, alternative locations were proposed as interim arrangement to carry out

air quality and noise monitoring before occupation of the designated monitoring location. A letter enclosed with the alternative location proposal and IEC verification (Our Ref: TCS00975/18/300/L0038) was sent to EPD on 19<sup>th</sup> October 2018 and the proposal was agreed by EPD. Therefore, air quality and construction noise impact monitoring would be performed at the agreed alternative locations until the designated sensitive receivers occupied and granted the premises.

- 3.3.3 1-Hour TSP air quality and construction noise monitoring was commenced in February 2021 regarding the handover of residential units to purchases for LP6. However, the installation of High Volume Sampler (HVS) for 24-Hour TSP is still pending approval from LP6 property management team. Therefore, an interim alternative monitoring location AM2a was proposed near the LP 6 for the 24-Hour TSP monitoring during the request of HVS installation is being reviewed by LP6 Property Management Office.
- 3.3.4 The designated and interim alternative monitoring location for impact air quality and noise monitoring in the Reporting Period are summarized in Table 3-4 and illustrated in *Appendix D*.

Table 3-4	0			alternative	location	for	air	quality	and	noise
Location I	monitoring in the Reporting Period Dn ID Monitoring Parameter Location									

Location ID	Monitoring Parameter	Location
AM2	1-Hour TSP Air Quality	Lohas Park Phase 6
AM2a	24-Hour TSP Air Quality	Near Lohas Park Phase 6
AM4	1-Hour TSP Air Quality	Podium of Lohas Park Phase 2A (Le Prestige)
AM5	24-Hour TSP Air Quality	Boundary of Site Office near Junction of Wan Po Road and Wan O Road
CNMS-1	Noise (L <sub>eq</sub> , L <sub>10</sub> & L <sub>90</sub> )	Podium of Lohas Park Package 4
CNMS-2	Noise (L <sub>eq</sub> , L <sub>10</sub> & L <sub>90</sub> )	Lohas Park Package 6
CNMS-5	Noise (L <sub>eq</sub> , L <sub>10</sub> & L <sub>90</sub> )	Podium of Lohas Park Phase 2A (Le Prestige)

Remark: Since 24-Hour TSP Air Quality monitoring is not granted at AM4 Lohas Park Phase 2A, the 24-Hour TSP monitoring was therefore proposed at AM5 which is located at the boundary of the project site office.

### Water Quality

3.3.5 According to Table 7.1 of the approved EM&A Manual Section 7.4, two Control Stations (C3 & C4), six (6) sensitive receivers (CC1, CC2, CC3, CC4, CC13 & SWI1) and one (1) Gradient station (I1) are recommended to perform water quality monitoring. Details and coordinate of these water quality monitoring stations are described in *Table 3-5* and the locations is shown in *Appendix D*.

 Table 3-5
 Location of Water Quality Monitoring Station

Station	Coord	linates	Description
Station	Easting	Northing	Description
CC1	843201	816416	Sensitive Receiver – Coral Sites at Chiu Keng Wan
CC2	844076	817091	Sensitive Receiver – Coral Sites at Junk Bay
CC3	844606	817941	Sensitive Receiver – Coral Sites at Junk Island
CC4	845444	815595	Sensitive Receiver – Coral Sites at Fat Tong Chau West
CC13	844200	817495	Sensitive Receiver – Coral Sites at Junk Bay near Chiu Keng Wan
SWI1	845512	817442	Sensitive Receiver – Tseung Kwan O Salt Water Intake
C3	843821	816211	Control Station (Ebb Tide) – within Junk Bay
C4	844621	815770	Control Station (Flood Tide) – within Junk Bay
I1	844602	817675	Gradient Station – in between Lam Tin Tunnel (LTT) and CBL

#### 3.4 MONITORING FREQUENCY AND PERIOD

3.4.1 To according with the approved *EM&A Manual*, impact monitoring requirements are presented as follows.

### Air Quality Monitoring

3.4.2 Air quality impact monitoring frequency is as follows:

• Once every 6 days of 24-hour TSP and 3 times of 1-hour TSP monitoring; during course of

AUES

works throughout the construction period

#### Construction Noise Monitoring

- 3.4.3 Construction noise monitoring frequency is as follows:
  - One set of Leq<sub>(30min)</sub> measurements in a weekly basis between 07:00 and 19:00 hours on normal weekdays during course of works as throughout the construction period
  - If construction works are extended to include works during the hours of 1900-0700, additional weekly impact monitoring shall be carried out during evening and night-time works. Applicable permits under the NCO shall be obtained by the Contractor.

#### Water Quality (Marine Water) Monitoring

- 3.4.4 Marine water impact monitoring frequency is as follows:
  - Three days a week, at mid ebb and mid flood tides during course of pile excavation works for the bridge pier foundations underway. Moreover, the intervals between 2 consecutive sets of monitoring day shall not be less than 36 hours.

## **3.5 MONITORING EQUIPMENT**

<u>Air Quality Monitoring</u>

3.5.1 The 24-hour and 1-hour TSP levels shall be measured by following the standard high volume sampling method as set out in the *Title 40 of the Code of Federal Regulations, Chapter 1 (Part 50)*, Appendix *B*. If the ET proposes to use a direct reading dust meter to measure 1-hour TSP levels, it shall submit sufficient information to the IEC to prove that the instrument is capable of achieving a comparable results to the HVS. The instrument should be calibrated regularly, and the 1-hour sampling shall be determined on yearly basis by the HVS to check the validity and accuracy of the results measured by direct reading method. The filter paper of 24-hour TSP measurement shall be determined by HOKLAS accredited laboratory. The equipment used for air quality monitoring is listed in *Table 3-6*.

Equipment		Model		
24-hour TSP	High Volume Air Sampler	TISCH High Volume Air Sampler, HVS Model TE-5170		
	Calibration Kit	TISCH Model TE-5025A (S/N: 1612)		
1- hour TSP	Portable Dust Meter	Laser Dust Monitor Sibata LD-3B Laser Dust Monitor (S/N: 3Y6501 & 366410)		

Table 3-6Air Quality Monitoring Equipment

#### Noise Monitoring

3.5.2 Sound level meter in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. The sound level meter shall be checked using an acoustic calibrator. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in ms<sup>-1</sup>. Noise equipment will be used for impact monitoring is listed in *Table 3-7*.

Equipment	Model
Integrating Sound Level Meter	Rion NL-52 (S/N:00464681)
Calibrator	Rion NC-74 (S/N:34657231)
Portable Wind Speed Indicator	Anemometer AZ Instrument 8908

#### Water Quality Monitoring

- 3.5.3 For water quality monitoring, the equipment should fulfill the requirement under the Approved *EM&A Manual Section 7.2*. The requirement is summarized below:
  - Dissolved Oxygen and Temperature Measuring Equipment The instrument should be a portable, weatherproof dissolved oxygen measuring instrument completed with cable, sensor, comprehensive operation manuals, and should be operable from a DC power source. It should be capable of measuring: dissolved oxygen levels in the range of 0-20 mg/L and

0-200% saturation; and a temperature of 0-45 degrees Celsius. It should have a membrane electrode with automatic temperature compensation complete with a cable of not less than 35 m in length. Sufficient stocks of spare electrodes and cable should be available for replacement where necessary.

- **Turbidity Measurement Equipment** The instrument shall be a portable, weatherproof turbidity-measuring instrument complete with comprehensive operation manual. The equipment shall use a DC power source. It shall have a photoelectric sensor capable of measuring turbidity between 0-1000 NTU.
- *Salinity Measurement Instrument* A portable salinometer capable of measuring salinity in the range of 0-40 ppt should be provided for measuring salinity of the water at each monitoring location.
- *Water Depth Detector* A portable, battery-operated echo sounder should be used for the determination of water depth at each designated monitoring station. A detector affixed to the bottom of the works boat, if the same vessel is to be used throughout the monitoring programme, is preferred.
- **Positioning Device** hand-held or boat-fixed type digital Global Positioning System (GPS) with way point bearing indication or other equipment instrument of similar accuracy, should be provided and used during water quality monitoring to ensure the monitoring vessel is at the correct location before taking measurements.
- Water Sampling Equipment A water sampler, consisting of a transparent PVC or glass cylinder of not less than two liters, which can be effectively sealed with cups at both ends, should be used. The water sampler should have a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth.

3.5.4	Equipment used for	water quality impact	monitoring is listed in	Table 3-8.
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Equipment	Model			
A Digital Global Positioning System	GPS12 Garmin			
Water Depth Detector	Eagle Sonar CUDA 300			
Water Sampler	A 2-litre transparent PVC cylinder with latex cups at both			
water Sampler	ends			
Thermometer & DO meter	YSI ProDSS Digital Sampling System Water Quality Meter			
pH meter				
Turbidimeter				
Salinometer				
Sample Container	High density polythene bottles (provided by laboratory)			
Storage Container	'Willow' 33-litter plastic cool box with Ice pad			

# Table 3-8Water Monitoring Equipment

### 3.6 MONITORING PROCEDURES <u>Air Quality</u>

# 1-hour TSP

- 3.6.1 The 1-hour TSP monitor was a brand named "Sibata LD-3 Laser Dust monitor Particle Mass Profiler & Counter" which is a portable, battery-operated laser photometer. The 1-hour TSP meter provides a real time 1-hour TSP measurement based on 90° light scattering. The 1-hour TSP monitor consists of the following:
  - (a.) A pump to draw sample aerosol through the optic chamber where TSP is measured;
  - (b.) A sheath air system to isolate the aerosol in the chamber to keep the optics clean for maximum reliability; and
  - (c.) A built-in data logger compatible with Windows based program to facilitate data collection, analysis and reporting.

# 24-hour TSP

3.6.2 The equipment used for 24-hour TSP measurement is TISCH, Model TE-5170 TSP High Volume Air Sampler, which complied with *EPA Code of Federal Regulation, Appendix B to Part 50*. The High Volume Air Sampler (HVS) consists of the following:

- (a.) An anodized aluminum shelter;
- (b.) A 8"x10" stainless steel filter holder;
- (c.) A blower motor assembly;
- (d.) A continuous flow/pressure recorder;
- (e.) A motor speed-voltage control/elapsed time indicator;
- (f.) A 7-day mechanical timer, and
- (g.) A power supply of 220v/50 Hz
- 3.6.3 For HVS for 24-hour TSP monitoring, the HVS is mounted in a metallic cage with a top for protection and also it is sat on the existing ground or the roof of building. The flow rate of the HVS between 0.6m<sup>3</sup>/min and 1.7m<sup>3</sup>/min will be properly set in accordance with the manufacturer's instruction to within the range recommended in *EPA Code of Federal Regulation, Appendix B to Part 50*. Glass Fiber Filter 8" x 10" of TE-653 will be used for 24-Hour TSP monitoring and would be supplied by laboratory. The general procedures of sampling are described as below:-
  - A horizontal platform with appropriate support to secure the samples against gusty wind should be provided;
  - No two samplers should be placed less than 2 meters apart;
  - The distance between the sampler and an obstacle, such as building, must be at least twice the height that the obstacle protrudes above the sample;
  - A minimum of 2 meters of separation from any supporting structure, measured horizontally is required;
  - Before placing any filter media at the HVS, the power supply will be checked to ensure the sampler work properly;
  - The filter paper will be set to align on the screen of HVS to ensure that the gasket formed an air tight seal on the outer edges of the filter. Then filter holder frame will be tightened to the filter hold with swing bolts. The holding pressure should be sufficient to avoid air leakage at the edge.
  - The mechanical timer will be set for a sampling period of 24 hours (00:00 mid-night to 00:00 mid-night next day). Information will be recorded on the field data sheet, which would be included the sampling data, starting time, the weather condition at current and the filter paper ID with the initial weight;
  - After sampling, the filter paper will be collected and transfer from the filter holder of the HVS to a sealed envelope and sent to a local HOKLAS accredited laboratory for quantifying.
- 3.6.4 All the sampled 24-hour TSP filters will be kept in normal air conditioned room conditions, i.e. 70% HR (Relative Humidity) and 25°C, for six months prior to disposal.
- 3.6.5 The HVS used for 24-hour TSP monitoring will be calibrated in two months interval for in accordance with the manufacturer's instruction using the NIST-certified standard calibrator (Tisch Calibration Kit Model TE-5025A) to establish a relationship between the follow recorder meter reading in cfm (cubic feet per minute) and the standard flow rate, Qstd, in m<sup>3</sup>/min. Motor brushes of HVS will be regularly replaced. The calibration certificates of the air quality monitoring equipment used for the impact monitoring and the HOKLAS accredited certificate of laboratory was provided in Appendix G.

#### **Noise Monitoring**

3.6.6 As referred to in the Technical Memorandum (TM) issued under the NCO, sound level meters in compliance with the International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications shall be used for carrying out the noise monitoring. Immediately prior to and following each noise measurement the accuracy of the sound level meter shall be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.

- 3.6.7 All noise measurements will be performed with the meter set to FAST response and on the A-weighted equivalent continuous sound pressure level (Leq). Leq<sub>(30 min)</sub> in six consecutive Leq<sub>(5 min)</sub> measurements will be used as the monitoring parameter for the time period between 07:00-19:00 hours on weekdays throughout the construction period.
- 3.6.8 The sound level meter will be mounted on a tripod at a height of 1.2 m and placed at the assessment point and oriented such that the microphone is pointed to the site with the microphone facing perpendicular to the line of sight. The windshield will be fitted for all measurements. Where a measurement is to be carried out at a building, the assessment point would normally be at a position 1 m from the exterior of the building façade. Where a measurement is to be made for noise being received at a place other than a building, the assessment point would be at a position 1.2 m above the ground in a free-field situation, i.e. at least 3.5 m away from reflective surfaces such as adjacent buildings or walls.
- 3.6.9 Immediately prior to and following each noise measurement the accuracy of the sound level meter will be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements will be accepted as valid only if the calibration level from before and after the noise measurement agrees to within 1.0 dB.
- 3.6.10 Noise measurements will not be made in fog, rain, wind with a steady speed exceeding 5m/s or wind with gusts exceeding 10m/s. The wind speed will be checked with a portable wind speed meter capable of measuring the wind speed in m/s.
- 3.6.11 The sound level meter and calibrator are calibrated and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme at yearly basis. The calibration certificates of noise monitoring equipment used for the impact monitoring was provided in Appendix G.

# Marine Water Quality

- 3.6.12 Marine water quality monitoring would be conducted at all designated locations in accordance with Table 7.1 of the approved EM&A Manual. The procedures of water sampling, in-situ measurement and chemical analysis are described as below:
  - A Global Positioning System (GPS) will be used to ensure that the correct location was selected prior to sample collection. A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station.
  - The marine water sampler will be lowered into the water body at a predetermined depth. The trigger system of the sampler is activated with a messenger and opening ends of the sampler are closed accordingly then the sample of water is collected.
  - During the sampling, the sampling container will be rinsed to use a portion of the marine water sample before the water sample is transferred to the container. Upon sampling completion, the container will be sealed with a screw cap.
  - Before the sampling process, general information such as the date and time of sampling, weather condition and tidal condition as well as the personnel responsible for the monitoring will be recorded on the monitoring field data sheet.
  - In-situ measurement including water temperature, turbidity, dissolved oxygen, salinity, pH and water depth will be recorded at the identified monitoring station and depth. At each station, marine water samples will be collected at three depths: 1m below water surface, 1m above sea bottom and at mid-depth when the water depth exceeds 6m. Samples at 1m below water surface and 1m above sea bottom will be collected when the water depth is between 3m and 6m. And sample at mid-depth will be taken when the water depth is below 3m.
  - For the in-situ measurement, two consecutive measurements of sampling depth, temperature, dissolved oxygen, salinity, turbidity and pH concentration will be measured at the sea. The YSI ProDSS Multifunctional Meter will be retrieved out of the water after the first measurement and then re-deployed for the second measurement. Where the difference in the value between the first and second readings of each set is more than 25% of the value of the first reading, the reading is discarded and further readings is taken.

- Marine water sample will be collected by using a water sampler. The high-density polythene ٠ bottles will be filled after the water sample collected from the sea. Before the water sample being fills into the sampling bottles, the sampling bottles will be pre-rinsed with the same water sample. The sampling bottles will then be packed in cool-boxes (cooled at 4°C without being frozen), and delivered to HOKLAS accredited laboratory for the chemical analysis as followed APHA Standard Methods for the Examination of Water and Wastewater 19ed 2540D, unless otherwise specified.
- 3.6.13 Before each round of monitoring, the dissolved oxygen probe will be calibrated by wet bulb method; a zero check in distilled water will be performed with the turbidity and salinity probes. The turbidity probe also will be checked with a standard solution of known NTU and known value of the pH standard solution were used to check the accuracy of pH value before each monitoring day. Moreover, all in-situ measurement equipment used marine water monitoring will be calibrated at three months interval.

#### Laboratory Analysis

3.6.14 All water samples included the duplicate samples, was tested with chemical analysis as specified in the EM&A Manual by a HOKALS accredited laboratory - ALS Technichem (HK) Pty Ltd. The chemicals analysis method and reporting limit show *Table 3-9*.

Table 3-9	Testing Method and Reporting Limit of the Chemical Analysis
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Parameter	Method In-house Method	<b>Reference</b> <sup>(1)</sup> <b>Reporting Lim</b>
Total Suspended Solids EA	A025 APHA 25	540D 1 mg/L

Note:

1. The exact method shall depend on the laboratory accredited method. APHA = Standard Methods for the Examination of Water and Wastewater by the American Public Health Association.

3.6.15 The determination works will start within 24 hours after collection of the water samples or within the holding time as advised by the laboratory.

### **Meteorological Information**

- 3.6.16 The meteorological information including wind direction, wind speed, humidity and temperature etc. of impact monitoring is extracted from the closest Tseung Kwan O Hong Kong Observatory Station. Moreover, the data of rainfall and air pressure would be extracted from King's Park Station.
- 3.6.17 For marine water quality monitoring, tidal information would be referred to tide gauge at Tai Miu Wan.

#### 3.7 **DETERMINATION OF ACTION/LIMIT (A/L) LEVELS**

3.7.1 The baseline results form the basis for determining the environmental acceptance criteria for the impact monitoring. A summary of the Action/Limit (A/L) Levels for air quality, construction noise and water quality are shown in Tables 3-10, 3-11 and 3-12 respectively.

Monitoring Station	Action Level (µg /m <sup>3</sup> )		Limit Level (µg/m <sup>3</sup> )			
Monitoring Station	1-Hour TSP	24-Hr TSP	1-Hour TSP	24-Hr TSP		
AM2	278	NA	500	NA		
AM2a	NA	190	NA	260		
AM4	278	NA	500	NA		
AM5	NA	190	NA	260		
Note: 1-Hour & 24-Hr TSP of Action Level = $(Average Baseline Results \times 1.3 + Limit level)/2$						

Action & Limit Levels of Air Quality (1-Hour & 24-Hr TSP) **Table 3-10** 



#### **Table 3-11** Action and Limit Levels for Construction Noise, dB(A)

Monitoring Location	Action Level	Limit Level		
	Time Period: 0700-1900 hours on normal weekdays (Leq30min)			
CNMS-1	When one or more documented complaints are received75 dB(A)			
CNMS-2 CNMS-5	Time Period: 1900-2300 ho	urs on all days (Leq15min)		
	When one or more documented complaints are received	55 dB(A)		
Remarks: 1. Construction noise	monitoring will be resumed at the desi	gnated locations CNMS-2, CNMS-3 and		

CNMS4 once they are available and permission are granted;

The designated locations CNMS-2 and CNMS-3 are located at residential building which are still under construction, Limit Level of 75dB(A) will be adopted until they are occupied;

- 3. The designated location CNMS-4 is located at planned school and still not yet to construction. When the school occupied and operated, Limit Level of 70dB(A) should be adopted and should be reduced to 65dB(A) during examination period; and
- 4. If construction works are required during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority shall be followed.

Table 3-12	Action and Limit Levels for Water Quality
------------	---

Monitoring	Depth Average of SS (mg/L)					
Station	Actio	on Level	Limit Level			
CC1	7.8	<b>OR</b> 120% of upstream control	9.3	<b>OR</b> 130% of upstream control		
CC2	9.0	station at the same tide of the same day	9.2	station at the same tide of the same day		
CC3	8.2	(Control Station C3	9.0	(Control Station C3		
CC4	13.8	at Ebb tide and Control Station C4 at	15.4	at Ebb tide and Control Station C4 at Flood tide), whichever is higher		
CC13	8.9	Flood tide), whichever is higher	10.3			
SWI1	8	mg/L		10 mg/L		
		Dissolved Oxy	gen (mg/L)			
Monitoring Location	Depth Average of S	Surface and Mid-depth		Bottom		
Location	Action Level	n Level Limit Level		el Limit Level		
CC1	5.8	5.7	5.3	5.2		
CC2	5.8	5.7	5.3	5.1		
CC3	5.5	5.4	4.9	4.7		
CC4	5.7	5.7	5.5	5.4		
CC13	5.6	5.5	5.3	5.2		
SWI1	5.4	4.8	5.1	5.0		
Monitoring		Depth Average of T	urbidity (NTU	0		
Location	Acti	on Level	Limit Level			
CC1	5.8	<b>OR</b> 120% of	6.0	<b>OR</b> 130% of		
CC2	4.6	upstream control station at the same	5.5	upstream control station at the same		
CC3	4.8	tide of the same day (Control Station C3	5.4	tide of the same day (Control Station C3		
CC4	6.1	at Ebb tide and	7.1	at Ebb tide and		
CC13	6.0	Control Station C4 at Flood tide),	6.3	Control Station C4 at Flood tide),		
SWI1	6.1	whichever is higher	7.1	whichever is higher		

3.7.2 Should non-compliance of the environmental quality criteria occurs, remedial actions will be triggered according to the Event and Action Plan which presented in *Appendix E*.

### 3.8 DATA MANAGEMENT AND DATA QA/QC CONTROL

- 3.8.1 All monitoring data will be handled by the ET's in-house data recording and management system. The monitoring data recorded in the equipment will be downloaded directly from the equipment at the end of each monitoring day. The downloaded monitoring data will input into a computerized database properly maintained by the ET. The laboratory results will be input directly into the computerized database and checked by personnel other than those who input the data.
- 3.8.2 For monitoring parameters that require laboratory analysis, the local laboratory shall follow the QA/QC requirements as set out under the HOKLAS scheme for the relevant laboratory tests.

# 4. AIR QUALITY MONITORING

#### 4.1 GENERAL

- 4.1.1 As notified that Lohas Park Package 6 was available for resident occupation in late January 2021, air quality monitoring at designated monitoring location AM2 was therefore commenced in February 2021. Since the installation of High Volume Sampler for 24-Hour TSP monitoring is still under review by Property Management Team of Lohas Park Package 6, an interim alternative monitoring location AM2a was proposed for the 24-Hour TSP monitoring and was commenced on 13 July 2021 upon agreed by ER and IEC.
- 4.1.2 In the Reporting Period, 1-Hour TSP monitoring was performed at designated monitoring location AM2 and interim alternative monitoring locations AM4, and 24-Hr TSP of air quality monitoring was performed at interim alternative monitoring locations AM2a and AM5. The air quality monitoring schedule is presented in *Appendix F*.
- 4.1.3 Valid calibration certificates of monitoring equipment are shown in *Appendix G* and the monitoring results are summarized in the following sub-sections

#### 4.2 **RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH**

4.2.1 During the Reporting Period, 30 sessions of 1-hour TSP and 12 sessions of 24-hours TSP monitoring were carried out and the monitoring results are summarized in Table 4-1 and Table 4-2. The detailed 24-hour TSP monitoring data are presented in Appendix H and the relevant graphical plots are shown in Appendix I.

ISP Air Quality Impact Monitoring Results for AM5							
AI	M5	AM4					
24-Hr TSP (μg/m <sup>3</sup> )		1-Hour TSP (μg/m³)					
Date Meas. Result		Date	Start Time	1 <sup>st</sup> Meas.	2 <sup>nd</sup> Meas.	3 <sup>rd</sup> Meas.	
2-Sep-22	101	5-Sep-22	9:21	107	94	99	
8-Sep-22	107	9-Sep-22	9:16	98	108	110	
14-Sep-22	136	15-Sep-22	9:18	109	96	107	
20-Sep-22	101	21-Sep-22	9:28	86	77	81	
26-Sep-22	118	27-Sep-22	13:14	89	71	78	
30-Sep-22	105						
Average (Range)	111 (101 – 136)	Average (Range)		94 (71 – 110)			

Table 4-11-Hour TSP Air Quality Impact Monitoring Results for AM4 and 24-Hour<br/>TSP Air Quality Impact Monitoring Results for AM5

Table 4-21-Hour TSP Air Quality Impact Monitoring Results for AM2 and 24-Hour<br/>TSP Air Quality Impact Monitoring Results for AM2a

	AM2a		AM2			
24-Hr TS	P (μg/m <sup>3</sup> )		<b>1-H</b>	lour TSP (µg/	<sup>7</sup> m <sup>3</sup> )	
Date	Meas. Result	Date	Start Time	1 <sup>st</sup> Meas.	2 <sup>nd</sup> Meas.	3 <sup>rd</sup> Meas.
2-Sep-22	82	5-Sep-22	9:44	103	92	97
8-Sep-22	89	9-Sep-22	9:25	106	110	113
14-Sep-22	119	15-Sep-22	9:31	112	103	107
20-Sep-22	105	21-Sep-22	10:02	89	78	83
26-Sep-22	99	27-Sep-22	13:01	76	83	90
30-Sep-22	128					
Average (Range)	104 (82 - 128)	Aver (Ran	•		96 (76 – 113)	

- 4.2.2 As shown in *Table 4-1* and *Table 4-2*, all the 1-hour TSP and 24-hour TSP monitoring results were below the Action / Limit Levels. No Notification of Exceedance (NOE) was issued in this Reporting Period.
- 4.2.3 The meteorological data during impact monitoring period is summarized in *Appendix J*.

# 5. CONSTRUCTION NOISE MONITORING

#### 5.1 GENERAL

- 5.1.1 In the Reporting Period, construction noise quality monitoring was performed at designated monitoring location CNMS-1 & CNMS-2, and interim alternative monitoring location CNMS-5. The construction noise monitoring schedule is presented in *Appendix F*.
- 5.1.2 Valid calibration certificates of monitoring equipment is shown in *Appendix G* and the construction noise monitoring results are summarized in the following sub-sections:

#### 5.2 **RESULTS OF NOISE MONITORING**

5.2.1 12 sessions of daytime construction noise monitoring were performed at both the designated monitoring location CNMS-1 & CNMS-2 and the interim alternative location CNMS-5 in the reporting period. The daytime noise monitoring results are summarized in *Table 5-1* to *Table 5-3*. The detailed noise monitoring data are presented in *Appendix H* and the relevant graphical plots are shown in *Appendix I*.

 Table 5-1
 Daytime Construction Noise Impact Monitoring Results at CNMS-1

Date	Time	Measureme	ent Result (dB(A))
Date	Time	Leq30min	Façade Correction
5-Sep-22	10:40	67.1	NA
15-Sep-22	10:31	65.5	NA
21-Sep-22	10:24	67.5	NA
27-Sep-22	13:41	71.9	NA

Table 5-2	Daytime Construction Noise Impact Mor	nitoring Results at CNMS-2

Data	Time	Measurement Result (dB(A))		
Date	Time	L <sub>eq30min</sub>	Façade Correction	
5-Sep-22	11:23	62.2	NA	
15-Sep-22	11:13	61.5	NA	
21-Sep-22	11:02	60.5	NA	
27-Sep-22	13:05	60.3	NA	

Table 5-3	<b>Daytime Construction</b>	Noise Impact	<b>Monitoring Result</b>	s at CNMS-5
	Duythie Construction	1 torse impace	monitoring result	

Date	Time	Measurement Result (dB(A))		
Date	Time	Leq30min	Façade Correction	
5-Sep-22	9:28	64.8	NA	
15-Sep-22	9:16	63.5	NA	
21-Sep-22	9:32	64.3	NA	
27-Sep-22	14:37	63.2	NA	

5.2.2 As shown in *Table 5-1* to *Table 5-3*, all the measured results were below 75dB(A) of the acceptance criteria. No adverse weather condition which may affect the monitoring result was encountered during the course of noise monitoring in the reporting period.

# 6. WATER QUALITY MONITORING

#### 6.1 GENERAL

- 6.1.1 According to the approved EM&A Manual Section 7.6.1, the impact marine water quality monitoring work shall be carried out during the CBL piling and pile excavation works (marine construction activity) of the Project. Impact marine water quality monitoring was commenced in December 2018 when CBL piling and pile excavation works started.
- 6.1.2 As confirmed, all the marine piling and piling excavation work were completed in January 2020 and all pile cap installation work was completed in mid-March 2020. Due to the marine construction works that requires marine water quality monitoring as stated in the EM&A Manual were completed, the impact water quality monitoring was ceased with effect from 1 May 2020 and IEC has no particular comment on this arrangement.
- 6.1.3 No impact water quality monitoring was therefore carried out in the reporting period.

#### 7. WASTE MANAGEMENT

#### 7.1 GENERAL WASTE MANAGEMENT

7.1.1 Waste management would be carried out by an on-site Environmental Officer or an Environmental Consultant from time to time.

#### 7.2 **RECORDS OF WASTE QUANTITIES**

- 7.2.1 All types of waste arising from the construction work are classified into the following:
  - Construction & Demolition (C&D) Material;
  - Chemical Waste; and
  - General Refuse
- 7.2.2 According to the information provided by Contractor of Contract 1 and Contract 2, waste disposal was made in the Reporting period are summarized in *Tables 7-1* and *7-2*.

	Contract 1		Contract 2	
Type of Waste	Quantity	Disposal Location	Quantity	Disposal Location
Total C&D Materials (Inert) ('000m <sup>3</sup> )	0.096	-	0.649	-
Reused in this Contract (Inert) ('000m <sup>3</sup> )	0	-	0	-
Reused in other Projects (Inert) ('000m <sup>3</sup> )	0	-	0	-
Disposal as Public Fill (Inert) ('000m <sup>3</sup> )	0.096	TKO 137	0.649	TKO 137
Imported Fill ('000m <sup>3</sup> )	0	-	0.358	-

### Table 7-1Summary of Quantities of Inert C&D Materials

#### Table 7-2 Summary of Quantities of C&D Wastes

	Cont	ract 1	Cont	ract 2
Type of Waste	Quantity	Disposal Location	Quantity	Disposal Location
Recycled Metal ('000kg)	0	-	0	-
Recycled Paper / Cardboard Packing ('000kg)	0.195	Collected by paper recycling company	0	-
Recycled Plastic ('000kg)	0	-	0	-
Chemical Wastes ('000kg)	0	-	0	-
General Refuses ('000m <sup>3</sup> )	1.450	NENT	0.143	NENT

7.2.3 The Monthly Summary Waste Flow Table of the Contracts 1 and Contract 2 are shown in *Appendix K*.

# 8. SITE INSPECTION

#### 8.1 **REQUIREMENTS**

8.1.1 According to the approved EM&A Manual, the environmental site inspection shall be formulation by ET Leader. Weekly environmental site inspections should carry out to confirm the environmental performance.

#### 8.2 FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH Contract 1

- 8.2.1 In this Reporting Month, weekly joint site inspection to evaluate site environmental performance for the *Contract 1* was carried out by the Project Consultant, ET and the Contractor on 8, 14, 20 & 28 September 2022. Moreover, the Independent Environmental Checker (IEC) monthly site inspection was conducted on 14 September 2022.
- 8.2.2 The findings / deficiencies of *Contract 1* that observed during the weekly site inspection are listed in *Table 8-1* and the site layout plan was provided in Appendix A.

Date	<b>Findings</b> / <b>Deficiencies</b>	Follow-Up Status
8 September 2022	• No adverse environmental issue was observed.	• NA
14 September 2022	<ul> <li><u>Observation:</u></li> <li>Drip tray should be provided for chemical storage on-site. (Portion II)</li> </ul>	• Chemicals have been removed on-site.
20 September 2022	<ul> <li><u>Observation:</u></li> <li>Stockpile of bag cement should be covered with tarpaulin. (Portion II)</li> </ul>	• Stockpile of bag cement has been removed.
28 September 2022	<u>Observation:</u> • Housekeeping should be improved. General refuse scattered on-site should be cleaned. (Portion II-W5)	• General refuse on-site has been cleaned.
	• NRMM label should be displayed properly for NRMM using on-site. (Portion II)	• NRMM label has been displayed properly for NRMM using on-site.

Table 8-1Site Observations of the Contract 1 (Contract No. NE/2017/07)

### Contract 2

- 8.2.3 In this Reporting Month, weekly joint site inspection to evaluate site environmental performance for the *Contract 2* were carried out by the Project Consultant, ET and the Contractor on 8, 14, 20 & 28 September 2022. Moreover, the Independent Environmental Checker (IEC) monthly site inspection was conducted on 14 September 2022.
- 8.2.4 The findings / deficiencies of *Contract 2* that observed during the weekly site inspection are listed in *Table 8-2* and the site layout plan was provided in Appendix A.

Date	Findings / Deficiencies	Follow-Up Status
8 September 2022	• No adverse environmental issue was observed.	• NA
14 September 2022	Observation:• Housekeeping should be improved.C&D waste and general refusescattered on-dite should be cleaned,(Portion VI)	• General refuse has been cleared.
	• Water spraying frequency for the haul road should be increased to reduce dust impact. (Portion VI)	• Water Spray has been provided.



Date	Findings / Deficiencies	Follow-Up Status
20 September 2022	<ul> <li><u>Observation:</u></li> <li>Drip tray should be provided for chemical storage on-site. (Portion VI)</li> </ul>	• Drip Tray has been provided.
	• Stagnant water cumulated on-site after rainstorm should be cleaned to prevent mosquito breeding. (Portion VI)	been cleared and covered
28 September 2022	<ul> <li><u>Observation:</u></li> <li>Tarpaulin should be placed under the breaker head when storage to prevent oil leakage. (Portion VI)</li> </ul>	

#### 8.3 IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES

8.3.1 During the inspection of the reporting month, implementation of surface runoff mitigation measures were observed in both Contracts. The surface runoff mitigation measures observed during the weekly site inspection of Contract 1 and Contract 2 are summarized below and the photo recorded was provided in **Appendix L**.

### Contract 1 (Contract No. NE/2017/07)

8.3.2 The surface runoff mitigation measures of Contract 1 implemented in this Reporting Period are:Treatment facilities was installed at site to treat the site generated water prior discharge.

### Contract 2 (Contract No. NE/2017/08)

- 8.3.3 The surface runoff mitigation measures of Contract 2 implemented in this Reporting Period are:Treatment facilities was installed at site to treat the site generated water prior discharge.
- 8.3.4 Overall, the surface runoff mitigation measures of Contract 1 and Contract 2 observed during the inspection of the reporting period are efficient.

# 9. LANDFILL GAS MONITORING

#### 9.1 GENERAL REQUIREMENT

- 9.1.1 Pursuant to Section 13 of the Project's EM&A Manual, landfill gas monitoring shall perform during excavation work within the 250m Consultation Zone of Tseung Kwan O Stage II & III Landfill. For landfill gas monitoring requirements, pre entry and routine measurement shall be undertaken in accordance with the *Factories and Industrial Undertaking (Confined Spaces)* Regulation.
- 9.1.2 According to Environmental Mitigation Implementation Schedule (EMIS) S14.7.6, portable monitoring equipment can be used to conduct landfill gas monitoring. Moreover, the frequency and areas to be monitored should be set down prior to commencement of the works either by the Safety Officer or by an appropriately qualified person.

#### 9.2 LIMIT LEVELS AND EVENT AND ACTION PLAN

9.2.1 In event of the trigger levels specified in Table 14.6 of the EIA report being exceeded, a person, such as the Safety Officer, shall be nominated, with deputies, to be responsible for dealing with any emergency which may occur due to LFG. In an emergency situation the nominated person, or his deputies, shall have the necessary authority and shall ensure that the confined space is evacuated and the necessary works implemented for reducing the concentrations of gas. The Limit levels and relevant Action Plans for landfill gas detected in utilities and any on-site areas following construction is listed in *Table 9-1*.

Parameter	Limit Level	Actions	
	>10% LEL (i.e.	Post "No Smoking" signs	
	>0.5% by volume)	Prohibit hot works	
Methane		• Ventilate to restore methane to <10% LEL	
Wiethane	>20% LEL (i.e.	Stop excavation works	
	>1% by volume)	<ul> <li>Evacuate personnel/prohibit entry</li> </ul>	
		• Increase ventilation to restore methane to <10% LEL	
	>0.5%	<ul> <li>Ventilate to restore carbon dioxide to &lt;0.5%</li> </ul>	
Carbon	>1.5%	Stop excavation works	
dioxide		<ul> <li>Evacuate personnel/prohibit entry</li> </ul>	
		• Increase ventilation to restore carbon dioxide to <0.5	
	<19%	Ventilation to restore oxygen >19%	
Owngon	<18%	Stop excavation works	
Oxygen		Evacuate personnel/prohibit entry	
		<ul> <li>Increase ventilation to restore oxygen to &gt;19%</li> </ul>	

 Table 9-1
 Actions in the Event of Landfill Gas Being Detected in Excavations

9.2.2 In the event of the trigger levels specified in Table 9-1 being exceeded, the Safety Officer shall be responsible for dealing with any emergency which may occur due to landfill gas.

### 9.3 LANDFILL GAS MONITORING

- 9.3.1 In the Reporting Period, landfill gas monitoring was conducted at the zone Wan O Road which excavation work of Contract 2 was carried out. Crowcon Gas-Pro Portable Gas Detector was used for the landfill gas monitoring and the valid calibration certificate is presented in **Appendix G**.
- 9.3.2 There were a total of 25 days monitoring were carried by the Safety Officer or an approved and qualified persons. The results of landfill gas measurement are summarized in *Table 9-2*. Moreover, database of monitoring result is attached in Appendix H.

Landfill Gas	A ation I anal	Limit Land	Detectable at LMR	
Parameter	Action Level	Limit Level	Min	Max
Methane	>10% LEL (>0.5% v/v)	>20% LEL (>1% v/v)	0.0%	0.0%
Oxygen	<19%	<18%	20.3%	20.7%
Carbon Dioxide	>0.5%	>1.5%	0.0%	0.0%

Table 9-2Summary of Landfill Gas Measurement Results

9.3.3 The measurement results shown that slightly methane and Carbon Dioxide concentration were detected, oxygen concentration measured was over 19.0 %. No exceedance was triggered and therefore no corrective action was required accordingly.

## **10. ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE**

#### 10.1 Environmental Complaint, Summons and Prosecution

- 10.1.1 In the Reporting Period, no environmental complaint was received for the Project. Besides, no summons and prosecution under the EM&A Programme was lodged for the project.
- 10.1.2 The statistical summary table of environmental complaint is presented in *Tables 10-1, 10-2* and *10-3*.

#### Table 10-1 Statistical Summary of Environmental Complaints

Reporting	Contract	Environmental Complaint Statistics			Related with the	
Period	Contract	Frequency	Cumulative	<b>Complaint Nature</b>	Works Contract(s)	
1 - 30	1	0	29	NA	NA	
September 2022	2	0	23	NA	NA	

#### Table 10-2 Statistical Summary of Environmental Summons

Reporting Period	Contract	Environmental Summons Statistics			
	Contract	Frequency	Cumulative	<b>Summons Nature</b>	
1 – 30 September 2022	1	0	0	NA	
	2	0	0	NA	

#### Table 10-3 Statistical Summary of Environmental Prosecution

Reporting	Contract	Environmental Prosecution Statistics			
Period	Contract	Frequency	Cumulative	<b>Prosecution Nature</b>	
1 – 30 September 2022	1	0	0	NA	
	2	0	0	NA	

27

# **11. IMPLEMENTATION STATUS OF MITIGATION MEASURES**

#### **11.1 GENERAL REQUIREMENTS**

- 11.1.1 The environmental mitigation measures that recommended in the Implementation Schedule for Environmental Mitigation Measures (ISEMM) in the approved EM&A Manual covered the issues of dust, noise, water and waste and they are summarized presented in *Appendix M*.
- 11.1.2 The Contractors had been implementing the required environmental mitigation measures according to the Environmental Monitoring and Audit Manual subject to the site condition. Environmental mitigation measures generally implemented by the Contractors in this Reporting Month are summarized in *Table 11-1* and photo record of water mitigation measure was provided in Appendix L.

Issues	Environmental Mitigation Measures					
Construction	· Regularly to maintain all plants, so only the good condition plants were used					
Noise	on-site ;					
	• If possible, all mobile plants onsite operation has located far from NSRs;					
	• When machines and plants (such as trucks) were not in using, it was switched off;					
	• Wherever possible, plant was prevented oriented directly the nearby NSRs;					
	• Provided quiet powered mechanical equipment to use onsite; Weakly pairs manifesting was conducted to answer construction pairs ma					
	<ul> <li>Weekly noise monitoring was conducted to ensure construction noise meet the criteria.</li> </ul>					
Air Quality						
An Quanty	• Stockpile of dusty material was covered entirely with impervious sheeting or sprayed with water so as to maintain the entire surface wet;					
	• The construction plants regularly maintained to avoid the emissions of black smoke;					
	• The construction plants switched off when it not in use;					
	• Water spraying on haul road and dry site area was provided regularly;					
	• Where a vehicle leaving the works site is carrying a load of dusty materials, the					
	load has covered entirely with clean impervious sheeting; and					
	• Before any vehicle leaving the works site, wheel watering has been performed.					
Water Quality	• Debris and refuse generated on-site collected daily;					
	• Oils and fuels were stored in designated areas;					
	The chemical waste storage as sealed area provided;					
	• Site hoarding with sealed foot were provided surrounding the boundary of working site to prevent wastewater or site surface water runoff get into public areas; and					
	• Portable chemical toilets were provided on-site. A licensed contractor was regularly disposal and maintenance of these facilities.					
	• Silt curtain was installed and maintained in accordance with EP condition					
Waste and	• Excavated material reused on site as far as possible to minimize off-site disposal.					
Chemical	<ul> <li>Scrap metals or abandoned equipment should be recycled if possible;</li> </ul>					
Management	• Waste arising kept to a minimum and be handled, transported and disposed of in a suitable manner;					
	• Disposal of C&D wastes to any designated public filling facility and/or landfill followed a trip ticket system; and					
	<ul> <li>Chemical waste handled in accordance with the Code of Practice on the Packaging,</li> </ul>					
	Handling and Storage of Chemical Wastes.					
<u> </u>	The site is generally kept tidy and clean.					
General	<ul> <li>Mosquito control is performed to prevent mosquito breeding on site.</li> </ul>					

 Table 11-1
 Environmental Mitigation Measures in the Reporting Month

### **11.2** TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH

11.2.1 Tentative construction activities to be undertaken in October 2022 should be included:-

#### Contract 1

- Construction of planter wall Type 1& Type 2, Installation of L3 railing and balustrade, E&M works, Waterproofing works & Road pavement works at Portion I
- Waterproofing works for remaining area at Concrete Bridge, Removal of temporary support at Piers W1, W2, E1, E2, Top coating of steel deck and painting repair of the arch rib, Road pavement works, installation of E&M works, L3 railing, balustrade and isolation PMMA panel

at Portion II, III, IV&VI.

• Pillar box installation, 100 TPN isolator, road lighting, main cable laying and E&M testing & Commissioning at Portion V.

#### Contract 2

- UU Diversion
- Installation Noise Barrier Panel
- Lift installation
- Drainage Work at Wan O rd & Wan Po rd
- SENB installation at At-Grade Road, Portion III, U-trough
- Directional sign at Wan Po Road
- Monitoring and Instrumentation works
- E&M Work at Portion I
- Road Paving Work

#### **11.3** IMPACT FORECAST

- 11.3.1 Potential environmental impacts arising from the works of the Contracts 1 and Contract 2 include:
  - Construction waste
  - Air quality
  - Construction noise
  - Water quality
- 11.3.2 Environmental mitigation measures shall be properly implemented and maintained as per the Mitigation Implementation Schedule in Appendix M to ensure site environmental performance is acceptable.

## **12. CONCLUSIONS AND RECOMMENDATIONS**

- 12.1 CONCLUSIONS
- 12.1.1 This is the monthly EM&A report as presented the monitoring results and inspection findings for the reporting period from *1* to *30 September 2022*.
- 12.1.2 In this Reporting Period, no 1-Hour TSP or 24-Hr TSP air quality monitoring exceedance was recorded. No NOE or the associated corrective actions were therefore issued.
- 12.1.3 In the Reporting Period, no noise exceedance was recorded. No NOE or the associated corrective actions were therefor issued.
- 12.1.4 In the Reporting Period, no environmental complaint was recorded for the Project. Besides, no summons and prosecution was lodged for the project.

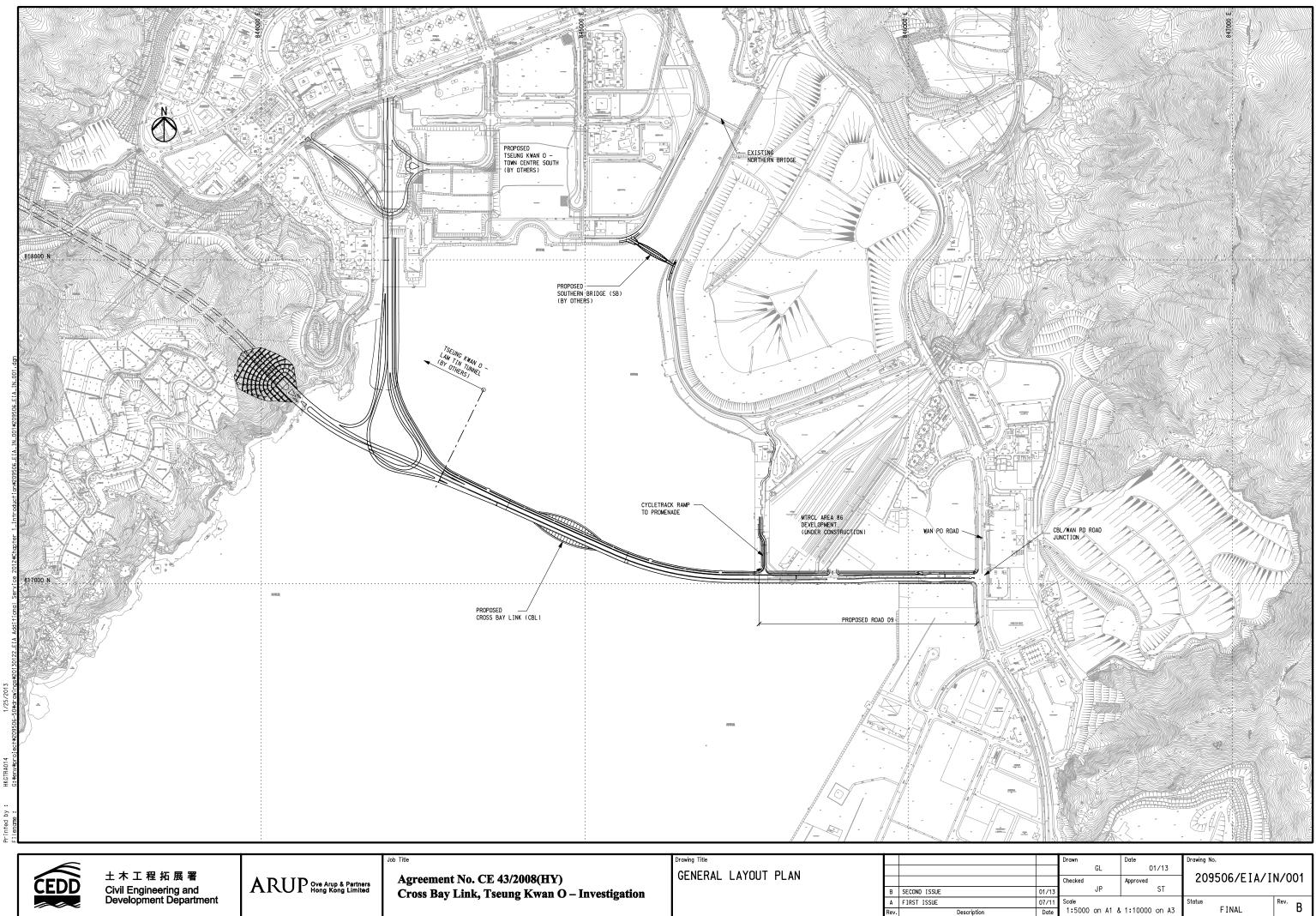
#### **12.2 RECOMMENDATIONS**

- 12.2.1 During the wet season, the Contractor was reminded that all the works being undertaken must fulfill environmental statutory requirements and to paid attention to water quality mitigation measures to prevent surface runoff into nearby water bodies or public areas.
- 12.2.2 Construction noise would be the key environmental issue as Lohas Park Phase 4 & 6 were already available for resident occupation. The noise mitigation measures such as use of quiet plants and installation of temporary noise barrier at the construction noise predominate area should be fully implemented in accordance with the EM&A requirement.

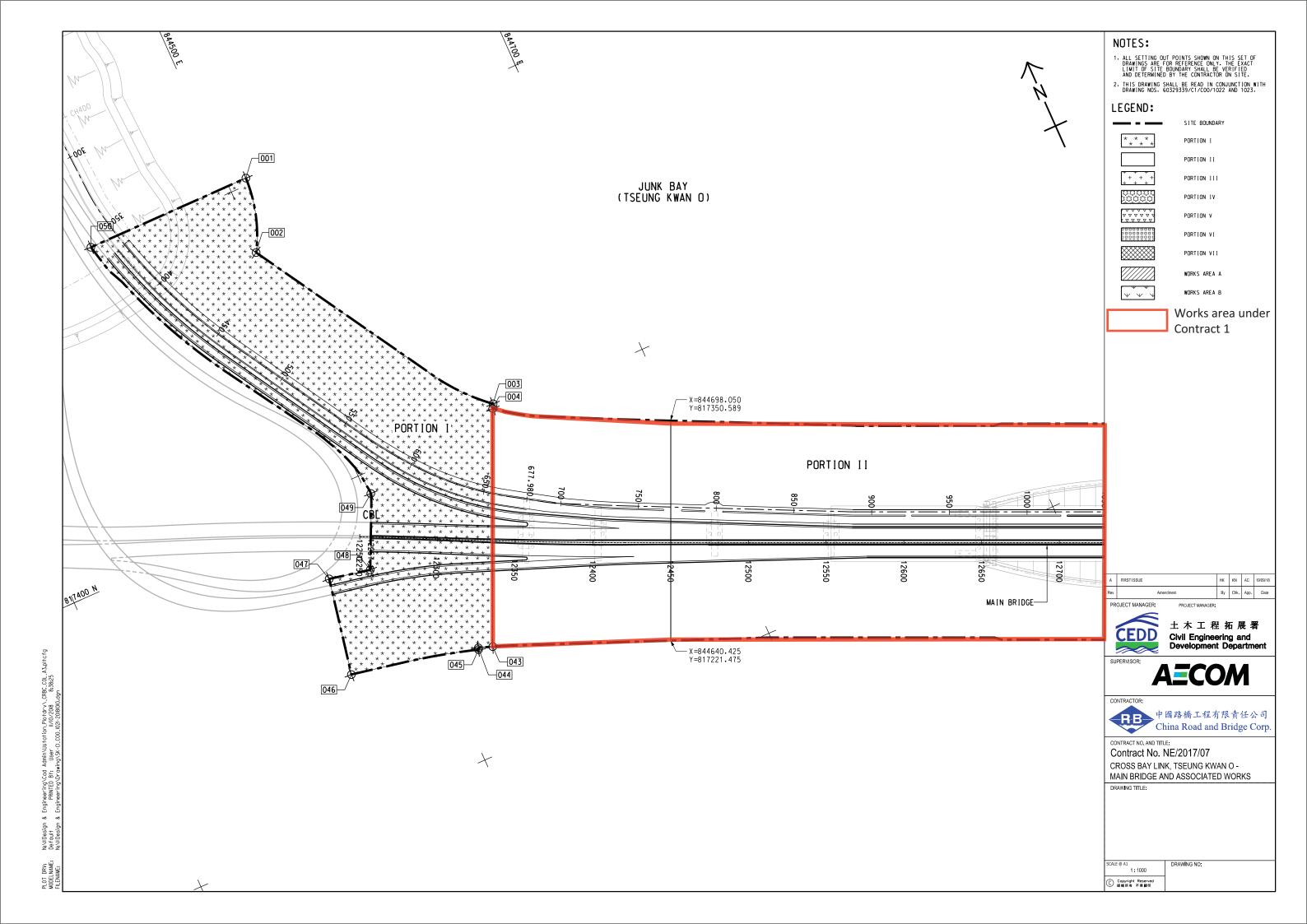


Appendix A

**Project Layout Plan** 

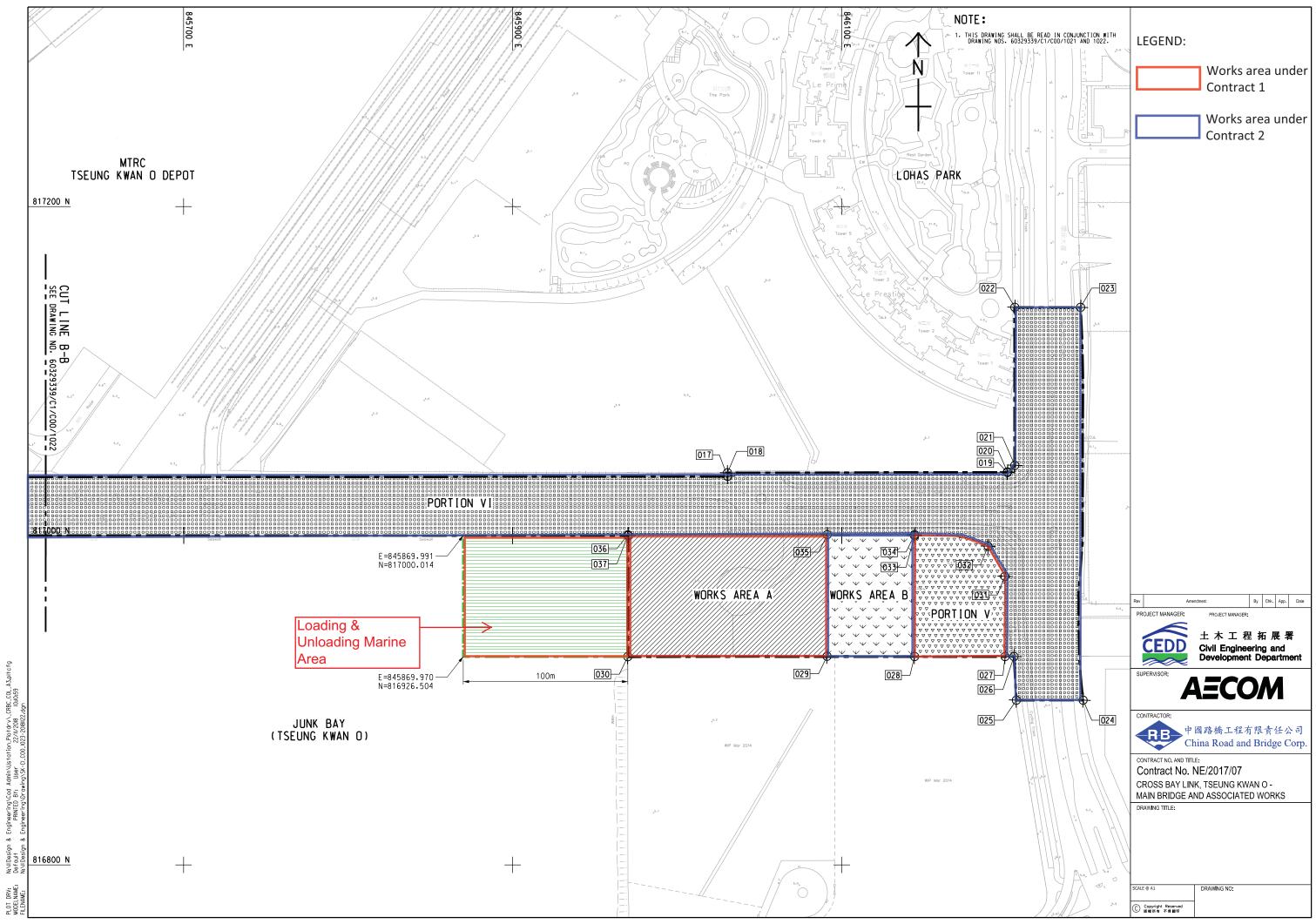


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001         844512.175         817604.422           002         844498.695         817557.993	026         846204.700         816926.589           027         846199.263         816926.590	-	
003 844598.186 817407.065	021         0461331263         016260.336           028         846144.269         816926.589		
004         844596.769         817404.339           005         845132.374         817153.641	029         846091.080         816926.744           030         845969.970         816926.504	-	
006 845500.00 817088.580	031 846199.197 816975.364		
007         845524.969         817088.226           008         845524.909         817236.307	032 846188.983 816993.582		
008         845524.909         817236.307           009         845558.095         817236.307	033         846144.274         816999.997           034         846144.274         817000.722	-	
010 845558.095 817195.885	035 846091.204 817000.679		
011         845550.234         817174.288           012         845550.219         817158.042	036         845970.070         817000.581           037         845970.069         817000.099	+ $+$	
013         845562.850         817139.744           014         845562.850         817035.700	038         845550.850         817000.099           039         845524.969         817000.099		
015 845550.850 817035.670	040 845550.850 816953.291	-	
016         845524.969         817035.670           017         846030.606         817036.089	041 845500.00 816952.636	-	***
017 846030.606 817036.089 018 846030.604 817038.387	042         845076.990         817029.022           043         844534.373         817264.536	-	
019 846200.700 817038.418	044 844525.572 817267.627	-	008
020         846200.700         817038.796           021         846205.200         817042.796	045         844525.199         817266.527           046         844444.018         817285.203	-	
022 846205.200 817138.796	047 844456.043 817347.194	-	
023         846245.180         817138.796           024         846246.698         816900.099	048         844482.530         817341.743           049         844502.889         817386.445	-	
025 846206.155 816900.099	050 844403.015 817604.422	]	
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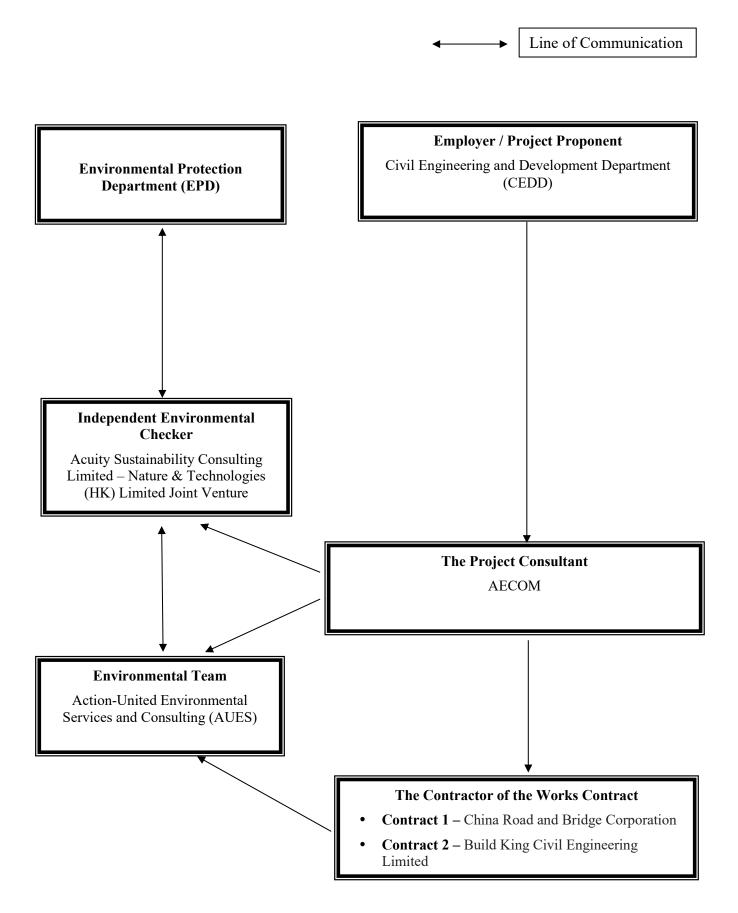


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## **Appendix B**

Project Organization Chart & Contact Details of Key Personnel for the Project

#### **Project Organization Structure**



Organization	Project Role	Name of Key Staff	Tel No.	Fax No.
CEDD	Project Proponent	CK Lam	2301 1398	2714 5174
CEDD	Project Proponent	Sheri Leung	2301 1398	2714 5174
AECOM	Senior Resident Engineer	Jackie Chan	3595 8045	3596 6118
AECOM	Resident Engineer	Kingman Chan	3595 8045	3596 6118
ASC – N&T JV	Independent Environmental Checker	Kevin Li	2698 6833	2698 9383
ASC – N&T JV	Senior Environmental Consultant	Tandy Tse	2698 6833	2698 9383
AUES	Environmental Team Leader	T. W. Tam	2959 6059	2959 6079
AUES	Environmental Consultant	Ben Tam	2959 6059	2959 6079
AUES	Environmental Consultant	Martin Li	2959 6059	2959 6079
CRBC	Site Agent	Raymond Suen	9779 8871	2283 1689
CRBC	Environmental Officer	Sedo Sze	9724 6254	2283 1689
CRBC	Environmental Supervisor	Janice Poon	9148 5688	2283 1689
Build King	Site Agent	Stephen Leung	9071 7657	NA
Build King	Environmental Officer	Louisa Fung	9271 5370	NA
Build King	Environmental Supervisor	Kenneth Hung	6170 9304	NA

#### **Contact Details of Key Personnel for the Project**

AUFS

#### Legend:

CEDD (Employer) – Civil Engineering and Development Department

AECOM (Project Consultant) – AECOM Asia Co. Ltd.

ASC – N&T JV (IEC) – Acuity Sustainability Consulting Limited – Nature & Technologies (HK) Limited Joint Venture

AUES (ET) – Action-United Environmental Services & Consulting

CRBC (the Main Contractor of the Works Contract 1) – China Road and Bridge Corporation

Build King (the Main Contractor of the Works Contract 2) - Build King Civil Engineering Limited

# Appendix C

## **3-Month Rolling Construction Programme**

**Contract 1** 

Data Date :08-Sep-22 Sheet 1 of 5

## Contract No. NE/2017/07 Cross Bay Link, Tseng Kwan O - Main Bridge and Associated Works

	Activity Name	Original Duration	Remaining Duration	Start	Finish	Physical % Complete	September 2022         Oct           28         04         11         18         25         02         09
ss Bay Link,Tseur	ng Kwan O Main Bridge and Associated Works	795	180	31-Dec-20 A	07-Mar-23		
cess Date		0	0	09-Sep-22	09-Sep-22		Access Date
AD1110	Access to Portion VI (NCE212 -Delay Access to Portion VI on 16 July 2022 and 1 Aug 2022)	0	0	09-Sep-22		0%	<ul> <li>Access to Portion VI (NCE212 -Delay Access to Portion VI on 16 July</li> </ul>
	ks- All Works within Portion I of the Site (Entrusted Works of TKOI Viaduct)	135	51	20-Jun-22 A	29-Oct-22		
	track, Road Surfacing, Street Furniture Installation and Remaining Works	97	51	08-Jul-22 A	29-Oct-22		
Bridge ML		28	27	03-Sep-22 A	13-Oct-22		• Weters for a la formation of the later of
S1-RW3002	Waterproofing works for carriageway	25	1	03-Sep-22 A	09-Sep-22	0%	Waterproofing works for carriageway
S1-RW3004	Base course pavement works	5	5	08-Sep-22 A	15-Sep-22	0%	Base course pavement works
S1-RW3006	Street furniture installation	15	15	16-Sep-22	05-Oct-22	0%	Street fumiture in
S1-RW3007	Wearing course and friction course pavement works	5	5	06-Oct-22	11-Oct-22	0%	Wea
S1-RW3008	Road marking	2	2	12-Oct-22	13-Oct-22	0%	
Bridge S400		37	37	14-Sep-22	28-Oct-22		
S1-RW3020	Waterproofing works for for Bridge S400	5	5	14-Sep-22	19-Sep-22	0%	Waterproofing works for for Bridge S400
S1-RW6040	Base course pavement works	4	4	20-Sep-22	23-Sep-22	0%	Base course pavement works
S1-RW6060	Street furniture installation	20	20	23-Sep-22	18-Oct-22	0%	
S1-RW6070	Wearing course pavement works	4	4	19-Oct-22	22-Oct-22	0%	
S1-RW6080	Road marking	5	5	24-Oct-22	28-Oct-22	0%	
Bridge S200		30	30	14-Sep-22	20-Oct-22		•
S1-RW3060	Waterproofing works for Bridge S200	2	2	14-Sep-22	15-Sep-22	0%	Waterproofing works for Bridge S200
S1-RW3065	Base course pavement works	3	3	16-Sep-22	19-Sep-22	0%	Base course pavement works
S1-RW3070	Street furniture installation	15	15	20-Sep-22	08-Oct-22	0%	Street furn
S1-RW3072	Wearing course pavement works	5	5	10-Oct-22	14-Oct-22	0%	
S1-RW3075	Road marking	5	5	15-Oct-22	20-Oct-22	0%	
Bridge CT		97	51	08-Jul-22 A	29-Oct-22		
S1-RW3040	Construction of planter type 1 and type 2	20	5	08-Jul-22 A	15-Sep-22	15%	Construction of planter type 1 and type 2
S1-RW3041	Preparation works for waterproofing works	4	4	16-Sep-22	20-Sep-22	0%	Preparation works for waterproofing works
S1-RW3042	Waterproofing works for for footpath	5	5	26-Sep-22	30-Sep-22	0%	Waterproofing works for
S1-RW3043	Sand alsphalt works for for footpath	4	4	03-Oct-22	07-Oct-22	0%	Sand alspha
S1-RW3044	Paving block laying for footpath	15	15	08-Oct-22	25-Oct-22	0%	
S1-RW3045	Waterproofing works for for cycle track	5	5	21-Sep-22	26-Sep-22	0%	Waterproofing works for for cycle
S1-RW3046	Base course pavement works	5	5	26-Sep-22	30-Sep-22	0%	Base course pavement we
S1-RW3047	Wearing course pavement works	2	2	19-Oct-22	20-Oct-22	0%	
S1-RW3048	Dressing works for cycle track	8	8	21-Oct-22	29-Oct-22	0%	
S1-RW3049	Street furniture installation	13	13	03-Oct-22	18-Oct-22	0%	
S1-RW4800	Completion of Section 1A of the Works	0	0		13-Oct-22	0%	•
S1-RW5000	Completion of Section 1B of the Works	0	0		29-Oct-22	0%	
S1-RW5800	Completion of Key Date 4A	0	0		13-Oct-22	0%	•
S1-RW6020	Completion of Key Date 4B	0	0		29-Oct-22	0%	
onstruction Work (	(Works Available for Piles 5B,9B,5C,9C,5G,9G,2K)	88	5	20-Jun-22 A	13-Sep-22		Construction Work (Works Available for Piles 5B,9B,5C,9
Construction Work for	or Piers 5B, 9B, 5C,9C, 5G,9G	25	3	20-Jun-22 A	13-Sep-22		Construction Work for Piers 5B, 9B, 5C,9C, 5G,9G
Stitching Work, TCS	SS, Duct and Handover Works	25	3	20-Jun-22 A	13-Sep-22		<ul> <li>Stitching Work, TCSS, Duct and Handover Works</li> </ul>
S1-EB2120	Laying of TCSS duct and handover to TCSS Contractor	8	3	23-Jun-22 A	13-Sep-22	80%	Laying of TCSS duct and handover to TCSS Contractor
S1-EB5480	Installation of parapet	25	3	20-Jun-22 A	13-Sep-22	57.5%	Installation of parapet
Construction Work for		68	5	04-Jul-22 A	13-Sep-22		Construction Work for Pier 2K
	SS, Duct and Handover Works	68	5	04-Jul-22 A	13-Sep-22		▼ Stitching Work, TCSS, Duct and Handover Works
	Laying of TCSS duct and handover to TCSS Contractor	5	3	08-Jul-22 A	13-Sep-22	90%	Laying of TCSS duct and handover to TCSS Contractor
S1-EB3038	Installation of parapet	25	0	04-Jul-22 A	07-Sep-22 A	100%	Installation of parapet
S1-EB5000	Completion of Key Date 3B	0	0	07-Jul-22 A	13-Sep-22 A	0%	◆ Completion of Key Date 3B
	Compication of Key Date 3D			29-Jun-22 A		0%	· Comparent of Key Date 5D
&M Works	ntrul inhting Installation	135	51		29-Oct-22		
	ntry Lighting Installation	118	34	29-Jun-22 A	12-Oct-22		· · · · · · · · · · · · · · · · · · ·
	ntry Lighting Installationat Bridge ML	118	34	30-Jun-22 A	12-Oct-22		Gasta liabina
S1-EM1020	Gantry lighting installation works	37	20	30-Jun-22 A	05-Oct-22	15%	Gantry lighting
S1-EM1060	Testing & Commissioning	7	7	06-Oct-22	12-Oct-22	0%	
	Ilationat Bridge S400, Bridge CT & Bridge S200	61	15	29-Jun-22 A	23-Sep-22		Road Lighting Installationat Bridge S40
S1-EM1080	Road lighting installation works	40	6	29-Jun-22 A	16-Sep-22	20%	Road lighting installation works

Actual WorkRemaining Work

Milestone

Summary

08-Sep

2022		30	06	November 2022		20	27	December 2022
022 and 1 Aug 2022)								
								Entrusted Works of TK
ge ML	• 10	otway all		k, Road Sullac				allation and Remaining
Se ML								
llation								
course and friction c	ourse pav	ement w	orks					
d marking								
	<ul> <li>Brid</li> </ul>	ge S400						
Street furniture	installatic	'n						
Wearing	g course	pavement	works					
		l marking	ġ.					
<ul> <li>Bridge S20</li> </ul>	0							
e installation								
earing course paveme								
Road marki	-	idge CT						
	• Di	luge C1						
ootpath								
orks for for footpath								
P	aving blo	ck laying	for footpat	h				
k								
Wearing co	urse pave	ment wo	rks					
	Dr	essing wo	orks for cyc	le track				
Street furniture	installatic	'n						
pletion of Section 1A								
		mpletion	of Section	1B of the Work	s			
pletion of Key Date								
00 01/	◆ Co	mpletion	of Key Dat	e 4B				
,9G,2K)								
	Eð	XM Work	s					
Lighting & Gantry Li								
Lighting & Gantry Li	ghting In	stallation	at Bridge M	IL				
llation works								
g & Commissioning	200							
ridge CT & Bridge S	200							
Date			Revision		(	Chec	ked	Approved
p-22	3MRF	o (Sep	22 - De	c 22)				

Data Date :08-Sep-22 Sheet 2 of 5

## Contract No. NE/2017/07 Cross Bay Link, Tseng Kwan O - Main Bridge and Associated Works

	Activity Name	Original Duration	Remaining	Start	Finish	Physical %		September 2022 October 20
S1-EM1140	Testing & Commissioning	7	Remaining Duration 7	17-Sep-22	23-Sep-22	Physical % Complete	28 04	Opported to 12         Occurrence           11         18         25         02         09           Testing & Commissioning
	Bridge ML - Eretctrial Work		7		23-Sep-22 15-Sep-22	0%		Concrete Deck Cell at Bridge ML - Eretetrial Work
				09-Sep-22		00/		Testing & Contrissioning
S1-EM1180	Testing & Commissioning	7	7	09-Sep-22	15-Sep-22	0%		
_	Bridge S400, Bridge CT & Bridge S200 - Eretctrial Work	54	22	04-Aug-22 A	30-Sep-22			Concrete Deck Cell at Bridge S
S1-EM1200	Installation works	43	12	04-Aug-22 A	23-Sep-22	0%		Installation works
S1-EM1220	Testing & Commissioning	7	7	24-Sep-22	30-Sep-22	0%		Testing & Commissioning
Watermain Installation	1	12	12	18-Oct-22	29-Oct-22			
S1-EM1540	Installation of DN300 fire main at Bridge CT	12	12	18-Oct-22	29-Oct-22	0%		
ection 2 of Works-All	I Works within Portion II,III,IV and VI	743	128	31-Dec-20 A	14-Jan-23			
CBL Main Bridge and	I Marine Viaduct	743	128	31-Dec-20 A	14-Jan-23			
Concrete Bridge		590	50	31-Dec-20 A	09-Nov-22			
Procurement and Deli	ivery	240	30	31-Dec-20 A	17-Oct-22			
S2-CB2488	Procurement and delivery of bituminous materials	240	30	31-Dec-20 A	17-Oct-22	88%		
Road Works and Surf	ace Furniture	312	50	13-Nov-21 A	09-Nov-22			
Road Works and Sur	rface Furniture at W5 - W2	129	50	18-May-22 A	09-Nov-22			
S2-CB4930	Waterproofing and soiling for planter type 1 and type 2	10	10	06-Oct-22	17-Oct-22	0%		
S2-CB4980	Installation of the L3 railing	15	8	15-Aug-22 A	14-Oct-22	55%		Insta
S2-CB5000	Installation of the isolation panel	15	8	15-Aug-22 A	14-Oct-22	80%		Inst
S2-CB5020	Installation of isolation PMMA panel	20	20	05-Oct-22	27-Oct-22	0%		
S2-CB5040	Installation of the balustrade	10	10	09-Sep-22	21-Sep-22	0%		Installation of the balustrade
S2-CB5060	Waterproofing for Footpath (W2-W4)	5	0	22-Aug-22 A	26-Aug-22 A		<ul> <li>Waterproofing for Footp</li> </ul>	ath (W2-W4)
S2-CB5060		5	0	-	-	100%		for Footpath (W2-W4)
	Sand asphalt for Footpath (W2-W4)			27-Aug-22 A	01-Sep-22 A		- Suid aspira	Paving Block Laying for Footpath (W
S2-CB5062	Paving Block Laying for Footpath (W2-W4)	15	15	08-Sep-22 A	27-Sep-22	0%		Waterproofing for Foo
S2-CB5065	Waterproofing for Footpath (W4-W5)	5	5	28-Sep-22	05-Oct-22	0%		
S2-CB5070	Sand asphalt for Footpath (W4-W5)	2	2	08-Oct-22	10-Oct-22	0%		Sand asphal
S2-CB5080	Paving Block Laying for Footpath (W4-W5)	6	6	12-Oct-22	18-Oct-22	0%		
S2-CB5095	Grinding for waterproofing surface for carriageway	18	7	18-May-22 A	17-Sep-22	30%		Grinding for waterproofing surface for carriageway
S2-CB5100	Waterproofing works for cycle track (W2-W4)	10	0	18-Aug-22 A	26-Aug-22 A		<ul> <li>Waterproofing works fo</li> </ul>	
S2-CB5105	Waterproofing works for carriageway (W2-W4)	15	0	18-Aug-22 A	27-Aug-22 A	100%	:	for carriageway (W2-W4)
S2-CB5120	Base course pavement for cycle track (W2-W4)	4	0	27-Aug-22 A	29-Aug-22 A	100%	Base course paver	nent for cycle track (W2-W4)
S2-CB5140	Base course pavement for carriageway (W2-W4)	5	0	30-Aug-22 A	03-Sep-22 A	100%	Base co	urse pavement for carriageway (W2-W4)
S2-CB5140.1	Waterproofing works for cycle track and carriageway (W4-W5)	5	5	05-Oct-22	10-Oct-22	0%		Waterproofi
S2-CB5140.3	Base course pavement for cycle track and carriageway (W4-W5)	3	3	11-Oct-22	13-Oct-22	0%		Base of
S2-CB5142	Irrigation system for planter type 2	10	10	08-Oct-22	19-Oct-22	0%		
S2-CB5145	Planting works for planter type 1 and 2	10	10	20-Oct-22	31-Oct-22	0%		
S2-CB5147	Installation of cycle race and dressing works of cycle track	21	21	17-Oct-22	09-Nov-22	0%		•
S2-CB5149	Wearing course and friction course pavement for carriageway	4	4	14-Oct-22	18-Oct-22	0%		
Road Works and Sur	rface Furniture at E2 - EA	161	50	10-May-22 A	09-Nov-22	-		
S2-CB5190	Waterproofing and soiling for planter type 1 and type 2	10	10	09-Sep-22	21-Sep-22	0%		Waterproofing and soiling for planter type 1 and t
S2-CB5240	Installation of the L3 railing post	30	7	01-Aug-22 A	17-Sep-22	85%		Installation of the L3 railing post
S2-CB5246	Installation of the L3 railing	20	15	27-Aug-22 A	07-Oct-22	25%		Installation of the
S2-CB5260	Installation of the isolation panel	30	10	29-Aug-22 A	17-Oct-22	90%		
S2-CB5280	Installation of isolation PMMA panel	20	20	28-Sep-22	22-Oct-22	0%		
S2-CB5300	Installation of the balustrade	20	20	16-Sep-22	15-Oct-22	0%		In
S2-CB5320	Waterproofing for Footpath	18	1	14-Jul-22 A	09-Sep-22	85%		<ul> <li>Waterproofing for Footpath</li> </ul>
					-			Sand asphalt for Footpath
S2-CB5330	Sand asphalt for Footpath	16	3	13-Aug-22 A	13-Sep-22	85%		Said aspirat for Foopaul
S2-CB5340	Paving block Laying for Footpath	35	35	14-Sep-22	26-Oct-22	0%		Grinding for water and a suffer for any
S2-CB5355	Grinding for waterproofing surface for carriageway	20	6	10-May-22 A	16-Sep-22	78%		Grinding for waterproofing surface for carriageway
S2-CB5360	Waterproofing works for cycle track	10	1	25-Jul-22 A	09-Sep-22	85%		Waterproofing works for cycle track
S2-CB5365	Waterproofing works for carriageway	15	15	13-Aug-22 A	06-Oct-22	75%		Waterproofing work
S2-CB5380	Base course pavement for cycle track	16	3	17-Aug-22 A	13-Sep-22	85%		Base course pavement for cycle track
S2-CB5400	Base course pavement for carriageway	32	30	22-Aug-22 A	17-Oct-22	75%		
S2-CB5405	Wearing course and friction course pavement for carriageway	8	8	18-Oct-22	26-Oct-22	0%		
S2-CB5410	Road Marking works	12	12	27-Oct-22	09-Nov-22	0%		
S2-CB5420	Irrigation system for planter type 2	10	10	18-Oct-22	28-Oct-22	0%		
Remaining L							:	:

Remaining Level of Effort

Critical Remaining Work

 Milestone

Actual Work
 Remaining Work

08-Sep

16 23		November 2022 30 06 13	20 27	December 2022 04 11
S400, Bridge CT & E	Pridge S2	00 - Eretetrial Work		
5400, Blidge CT & L	singe 32	00 - Electrial Work		
-	- Wa	termain Installation		
	Ins	tallation of DN300 fire main at Bridge	e CT	
		6		
		Concrete Bridge		
<ul> <li>Procurement and I</li> </ul>	Delivery			
<b>D</b>	1.1	Chitania and antala		
Procurement and a	delivery of	of bituminous materials		
		Road Works and S	Surface Furniture	
		Road Worke and S	Surface Furniture at W:	5-W2
			anace i unnune at W.	
<ul> <li>Waterproofing and</li> </ul>	d soiling	for planter type 1 and type 2		
stallation of the L3 rai	ling			
	-			
stallation of the isolation	on panel			
	Installa	tion of isolation PMMA panel		
W2-W4)				
ootpath (W4-W5)				
ooipain (w4-w3)				
alt for Footpath (W4-	W5)			
Paving Block L	aving for	Footpath (W4-W5)		
- I aving block L	aying ior			
fing works for cycle t	rack and	carriageway (W4-W5)		
e course pavement for	cycle tra	ck and carriageway (W4-W5)		
Irrigation syste	em for pl	anter type 2		
			10	
		Planting works for planter type 1 and		
		Installation of cycle	e race and dressing wo	rks of cycle track
wearing course	and fricti	on course course pavement for carriag	geway	
		Road Works and S	Surface Furniture at E2	- EA
time ?				
type 2				
e L3 railing				
<ul> <li>Installation of the</li> </ul>	isolation	panel		
Installat	ion of iso	lation PMMA panel		
	-			
Installation of the balu	istrade			
	Paving b	lock Laying for Footpath		
		1		
ulto for a min				
rks for carriageway				
<ul> <li>Base course paver</li> </ul>	ment for	amiageway		
-				
	Wearing	course and friction course pavement f	for carriageway	
		Road Marking wo	rks	
	_	-		
	Irriga	tion system for planter type 2		
Date		Revision	Checked	Approved
p-22	3MRP	(Sep 22 - Dec 22)		
r	21411 M	(		

Data Date :08-Sep-22 Sheet 3 of 5

## Contract No. NE/2017/07 Cross Bay Link, Tseng Kwan O - Main Bridge and Associated Works

3 of 5	Activity Name	Original Duration	Remaining Duration	Start	Finish	Physical % Complete	September 2022           28         04         11         18         25         02         08
S2-CB5440	Planting works for planter type 1 and 2	10	10	28-Oct-22	08-Nov-22	0%	
S2-CB5460	Installation of cycle race and dressing works of cycle track	24	24	13-Oct-22	09-Nov-22	0%	
Fabrication and Deli	very Works	107	20	13-Nov-21 A	05-Oct-22		▼ Fabrication
S2-CB5480	Fabrication and delivery of steel post and transom for L3 parapet	60	20	05-Jan-22 A	05-Oct-22	72%	Fabrication
S2-CB5500	Fabrication and delivery of steel works for isolation panel	80	20	13-Nov-21 A	05-Oct-22	69%	Fabrication a
eel Bridge		372	128	03-Jan-22 A	14-Jan-23		
Road Works and Surf	ace Furniture	201	50	12-Jan-22 A	09-Nov-22		
Road Works and Su	face Furniture	192	50	12-Jan-22 A	09-Nov-22		
S2-RW1062	Installation of lighting cabinet and traffic sign post	28	10	12-Jan-22 A	21-Sep-22	95%	Installation of lighting cabinet and traffic
S2-RW1067	Installation of the balustrade	45	5	28-Jul-22 A	15-Sep-22	98%	Installation of the balustrade
S2-RW1068	Waterproofing and soiling for planter type 1 and type 2	15	15	22-Sep-22	11-Oct-22	0%	
S2-RW1072	Paving block laying for footpath	50	2	08-Jul-22 A	12-Sep-22	98%	Paving block laying for footpath
S2-RW1076	SMA for north carriageway at Steel Bridge	4	4	14-Oct-22	18-Oct-22	0%	
S2-RW1076-5	SMA for south carriageway at Steel Bridge	4	4	19-Oct-22	22-Oct-22	0%	
S2-RW1077	Irrigation system for planter type 2	12	12	12-Oct-22	25-Oct-22	0%	
S2-RW1078	Planting works for planter type 1 and 2	12	12	20-Oct-22	02-Nov-22	0%	
S2-RW1078-2	Installation of cycle race and dressing works of cycle track	12	12	24-Oct-22	05-Nov-22	0%	
S2-RW1160	Installation of L3 railing post	16	4	28-Jul-22 A	14-Sep-22	99%	Installation of L3 railing post
S2-RW1160-1	Installation of L3 railing	30	16	18-Aug-22 A	05-Oct-22	25%	Installation of
S2-RW1202	Installation of isolation PMMA panel	20	20	19-Sep-22	13-Oct-22	0%	
S2-RW1210	Remaining Works for steel bridge	12	12	27-Oct-22	09-Nov-22	0%	
Fabrication and Deli	very Works	60	15	07-Mar-22 A	27-Sep-22		Fabrication and Delivery W
S2-CB5540	Fabrication and delivery of steel post and transom for L3 parapet	60	15	07-Mar-22 A	27-Sep-22	75%	Fabrication and delivery of
Welding & Painting W	lorks	237	46	03-Jan-22 A	04-Nov-22		
Painting of the Ring	Weld	214	46	08-Jan-22 A	04-Nov-22		
S2-SB2072	Top coating of the steel deck (east span) (NCE No.181)	75	6	08-Jan-22 A	28-Sep-22	80%	Top coating of the steel d
S2-SB2076	Top coating of the steel deck (west span) (NCE No.181)	75	6	08-Jan-22 A	28-Sep-22	80%	Top coating of the steel de
S2-SB2080	Top coating of the steel deck (main span) (NCE No.181)	98	18	08-Jan-22 A	14-Oct-22	80%	
S2-SB2100	Painting repair of the arch rib (Internal)	45	12	07-Apr-22 A	23-Sep-22	90%	Painting repair of the arch rib (Interr
S2-SB2105	Painting repair of the arch rib (External) (south rib)	25	25	06-Sep-22 A	19-Oct-22	5%	
S2-SB2300	Painting repair of the arch rib (External) (north rib)	20	12	02-Aug-22 A	04-Nov-22	10%	
	porary Supports at W1 & E1	208	10	03-Jan-22 A	21-Sep-22	-	Removal of the Temporary Supports at
S2-SB2220	Removal of the temporary supports at W1	10	5	04-Jan-22 A	15-Sep-22	75%	Removal of the temporary supports at W1
S2-SB2240	Removal of the temporary supports at W2	10	10	09-Sep-22	21-Sep-22	0%	Removal of the temporary supports at V
S2-SB2240	Removal of the temporary supports at W2 Removal of the temporary supports at E1	10	4	03-Jan-22 A	14-Sep-22	75%	Removal of the temporary supports at E1
S2-SB2280	Removal of the temporary supports at E2	10	10	09-Sep-22	21-Sep-22	0%	Removal of the temporary supports at E
	rks for CBL Main Bridge and Marine Viaduct	250	128	18-Apr-22 A	14-Jan-23	070	
UBG and AIC		76	48	02-Aug-22 A	07-Nov-22		
		76	48	02-Aug-22 A	07-Nov-22		
AIC		70		12 mg 22 m		100%	Preparation works for Internal test for Arch Inspection Cradle (sou
	Preparation works for Internal test for Arch Inspection Cradle (south rib)	14	0	02-Aug-22 A	08-Sep-22 A		
S2-EM1330	Preparation works for Internal test for Arch Inspection Cradle (south rib)	14	0	02-Aug-22 A	08-Sep-22 A		
S2-EM1330 S2-EM1330-1	Internal test for Arch Inspection Cradle (for south rib)	7	7	09-Sep-22	17-Sep-22	0%	
S2-EM1330 S2-EM1330-1 S2-EM1340	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib)	7 30	7 30	-	17-Sep-22 25-Oct-22	0% 0%	Internal test for Arch Inspection Cradle (for sou
S2-EM1330 S2-EM1330-1 S2-EM1340 S2-EM1350	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib) Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong	7 30 0	7 30 0	09-Sep-22 19-Sep-22	17-Sep-22 25-Oct-22 17-Sep-22*	0% 0% 0%	Internal test for Arch Inspection Cradle (for sout
S2-EM1330 S2-EM1330-1 S2-EM1340 S2-EM1350 S2-EM1355	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib) Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong Installation of Arch Inspection Cradle (for north rib)	7 30 0 20	7 30 0 20	09-Sep-22 19-Sep-22 19-Sep-22	17-Sep-22 25-Oct-22 17-Sep-22* 13-Oct-22	0% 0% 0%	Internal test for Arch Inspection Cradle (for sou
S2-EM1330 S2-EM1330-1 S2-EM1340 S2-EM1350 S2-EM1355 S2-EM1360	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib) Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong Installation of Arch Inspection Cradle (for north rib) Internal test for Arch Inspection Cradle (for north rib)	7 30 0 20 7	7 30 0 20 7	09-Sep-22 19-Sep-22 19-Sep-22 14-Oct-22	17-Sep-22 25-Oct-22 17-Sep-22* 13-Oct-22 21-Oct-22	0% 0% 0% 0%	Internal test for Arch Inspection Cradle (for sou
S2-EM1330 S2-EM1330-1 S2-EM1340 S2-EM1350 S2-EM1355 S2-EM1360 S2-EM1370	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib) Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong Installation of Arch Inspection Cradle (for north rib)	7 30 0 20 7 14	7 30 0 20 7 14	09-Sep-22 19-Sep-22 19-Sep-22 14-Oct-22 22-Oct-22	17-Sep-22 25-Oct-22 17-Sep-22* 13-Oct-22 21-Oct-22 07-Nov-22	0% 0% 0%	Internal test for Arch Inspection Cradle (for sout  Delivery of f Arch Inspection Cradle (2nd set) to
S2-EM1330 S2-EM1330-1 S2-EM1340 S2-EM1350 S2-EM1355 S2-EM1360 S2-EM1370	Internal test for Arch Inspection Cradle (for south rib)         Testing of the AIC (for south rib)         Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong         Installation of Arch Inspection Cradle (for north rib)         Internal test for Arch Inspection Cradle (for north rib)         Testing of the AIC (for north rib)	7 30 0 20 7 14 3	7 30 0 20 7 14 3	09-Sep-22 19-Sep-22 19-Sep-22 14-Oct-22 22-Oct-22 09-Sep-22	17-Sep-22 25-Oct-22 17-Sep-22* 13-Oct-22 21-Oct-22 07-Nov-22 13-Sep-22	0% 0% 0% 0%	Internal test for Arch Inspection Cradle (for sour     Delivery of f Arch Inspection Cradle (2nd set) to     UBG
S2-EM1330 S2-EM1330-1 S2-EM1340 S2-EM1350 S2-EM1355 S2-EM1360 S2-EM1370 UBG	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib) Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong Installation of Arch Inspection Cradle (for north rib) Internal test for Arch Inspection Cradle (for north rib) Testing of the AIC (for north rib) SAT	7 30 0 20 7 14 3 3 3	7 30 0 20 7 14 3 3	09-Sep-22 19-Sep-22 19-Sep-22 14-Oct-22 22-Oct-22 09-Sep-22 09-Sep-22	17-Sep-22 25-Oct-22 17-Sep-22* 13-Oct-22 21-Oct-22 07-Nov-22 13-Sep-22 13-Sep-22	0% 0% 0% 0% 0%	Internal test for Arch Inspection Cradle (for sout     Delivery of f Arch Inspection Cradle (2nd set) to     UBG     Testing of the UBG and SAT
S2-EM1330 S2-EM1330-1 S2-EM1340 S2-EM1350 S2-EM1355 S2-EM1360 S2-EM1370 UBG Testing of the UBG and S2-EM1300	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib) Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong Installation of Arch Inspection Cradle (for north rib) Internal test for Arch Inspection Cradle (for north rib) Testing of the AIC (for north rib) SAT SAT (delay delivery material (genset) on site due to COVID-19)	7 30 0 20 7 14 3 3 3 3	7 30 0 20 7 14 3 3 3	09-Sep-22 19-Sep-22 19-Sep-22 14-Oct-22 22-Oct-22 09-Sep-22 09-Sep-22 09-Sep-22	17-Sqp-22 25-Oct-22 17-Sqp-22* 13-Oct-22 21-Oct-22 07-Nov-22 13-Sqp-22 13-Sqp-22 13-Sqp-22	0% 0% 0% 0%	Internal test for Arch Inspection Cradle (for sout     Delivery of f Arch Inspection Cradle (2nd set) to     UBG     Testing of the UBG and SAT
S2-EM1330 S2-EM1330-1 S2-EM1340 S2-EM1350 S2-EM1355 S2-EM1360 S2-EM1370 UBG Testing of the UBG and S2-EM1300 Installation of Other	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib) Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong Installation of Arch Inspection Cradle (for north rib) Internal test for Arch Inspection Cradle (for north rib) Testing of the AIC (for north rib) SAT SAT SAT SAT SAT SAT SAT	7 30 0 20 7 14 3 3 3 3 59	7 30 0 20 7 14 3 3 3 59	09-Sep-22 19-Sep-22 19-Sep-22 14-Oct-22 22-Oct-22 09-Sep-22 09-Sep-22 09-Sep-22 09-Sep-22	17-Sep-22 25-Oct-22 17-Sep-22* 13-Oct-22 21-Oct-22 07-Nov-22 13-Sep-22 13-Sep-22 13-Sep-22 13-Sep-22 14-Jan-23	0% 0% 0% 0% 0%	Internal test for Arch Inspection Cradle (for sour     Delivery of f Arch Inspection Cradle (2nd set) t     UBG     Testing of the UBG and SAT
S2-EM1330 S2-EM1330-1 S2-EM1340 S2-EM1350 S2-EM1355 S2-EM1360 S2-EM1370 UBG Testing of the UBG and S2-EM1300	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib) Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong Installation of Arch Inspection Cradle (for north rib) Internal test for Arch Inspection Cradle (for north rib) Testing of the AIC (for north rib) SAT SAT (delay delivery material (genset) on site due to COVID-19)	7 30 0 20 7 14 3 3 3 3	7 30 0 20 7 14 3 3 3	09-Sep-22 19-Sep-22 19-Sep-22 14-Oct-22 22-Oct-22 09-Sep-22 09-Sep-22 09-Sep-22	17-Sqp-22 25-Oct-22 17-Sqp-22* 13-Oct-22 21-Oct-22 07-Nov-22 13-Sqp-22 13-Sqp-22 13-Sqp-22	0% 0% 0% 0% 0%	Internal test for Arch Inspection Cradle (for sou     Delivery of f Arch Inspection Cradle (2nd set) t     UBG     Testing of the UBG and SAT
S2-EM1330 S2-EM1330-1 S2-EM1340 S2-EM1350 S2-EM1355 S2-EM1360 S2-EM1370 UBG Testing of the UBG and S2-EM1300	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib) Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong Installation of Arch Inspection Cradle (for north rib) Internal test for Arch Inspection Cradle (for north rib) Testing of the AIC (for north rib) SAT SAT SAT SAT SAT SAT SAT	7 30 0 20 7 14 3 3 3 3 59	7 30 0 20 7 14 3 3 3 59	09-Sep-22 19-Sep-22 19-Sep-22 14-Oct-22 22-Oct-22 09-Sep-22 09-Sep-22 09-Sep-22 09-Sep-22	17-Sep-22 25-Oct-22 17-Sep-22* 13-Oct-22 21-Oct-22 07-Nov-22 13-Sep-22 13-Sep-22 13-Sep-22 13-Sep-22 14-Jan-23	0% 0% 0% 0% 0%	Internal test for Arch Inspection Cradle (for sout     Delivery of f Arch Inspection Cradle (2nd set) to     UBG     Testing of the UBG and SAT
S2-EM1330 S2-EM1330-1 S2-EM1350 S2-EM1355 S2-EM1360 S2-EM1360 UBG Tosting of the UBG and S2-EM1300 Installation of Other S2-EM1400	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib) Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong Installation of Arch Inspection Cradle (for north rib) Internal test for Arch Inspection Cradle (for north rib) Testing of the AIC (for north rib) Soft Saft (delay delivery material (genset) on site due to COVID-19) Systems Commission and testing of the dehumidification system	7 30 0 20 7 14 3 3 3 3 3 59 30	7 30 0 20 7 14 3 3 3 59 30	09-Sep-22 19-Sep-22 19-Sep-22 14-Oct-22 22-Oct-22 09-Sep-22 09-Sep-22 09-Sep-22 09-Sep-22 09-Sep-22 09-Sep-22	17-Sep-22         25-Oct-22         17-Sep-22*         13-Oct-22         21-Oct-22         07-Nov-22         13-Sep-22         13-Sep-22         13-Sep-22         13-Sep-22         13-Sep-22         14-Jan-23         14-Jan-23	0% 0% 0% 0% 0% 0%	Internal test for Arch Inspection Cradle (for sout     Delivery of f Arch Inspection Cradle (2nd set) to     UBG     UBG     Testing of the UBG and SAT     SAT (delay delivery material (genset) on site due to CO
S2-EM1330 S2-EM1330-1 S2-EM1340 S2-EM1350 S2-EM1355 S2-EM1360 S2-EM1300 UBG S2-EM1300 Installation of Other S2-EM1400 S2-EM1420	Internal test for Arch Inspection Cradle (for south rib) Testing of the AIC (for south rib) Delivery of f Arch Inspection Cradle (2nd set) to Hong Kong Installation of Arch Inspection Cradle (for north rib) Internal test for Arch Inspection Cradle (for north rib) Testing of the AIC (for north rib) Soft Saft (delay delivery material (genset) on site due to COVID-19) Systems Commission and testing of the dehumidification system	7 30 0 20 7 14 3 3 3 3 59 30 1	7 30 0 20 7 14 3 3 3 59 30 1	09-Sep-22 19-Sep-22 19-Sep-22 14-Oct-22 22-Oct-22 09-Sep-22 09-Sep-22 09-Sep-22 09-Sep-22 09-Sep-22 09-Sep-22 09-Dec-22 05-Nov-22	17-Sep-22 25-Oct-22 17-Sep-22* 13-Oct-22 07-Nov-22 13-Sep-22 13-Sep-22 13-Sep-22 13-Sep-22 14-Jan-23 05-Nov-22	0% 0% 0% 0% 0% 0%	Internal test for Arch Inspection Cradle (for sout     Delivery of f Arch Inspection Cradle (2nd set) to     UBG

Actual Work Remaining Work

 Milestone ٠

Summary

08-Sep

2022 16 23		30	06	November 2022	20	27	Decembe	ar 2022 )4	11
				ig works for p	•••		the of	ma al-	1
very Works			- insta	llation of cycl		acosing wo	oi cycle איז	аасК	
very of steel post and	transom f	or L3 parapet							
very of steel works fo									
			- Road	d Works and S	Surface Furr	niture			
			- Road	d Works and S	Surface Furr	niture			
st									
offing and set?	rplant	me 1 and t	,						
oofing and soiling for	. Pramer t	rr~ 1 and type !	-						
SMA for north	carriagew	ay at Steel Brid	lge						
		arriageway at S		ge					
ŀ	rrigation s	ystem for plant							
				planter type 1					
_		Inst	allation o	of cycle race a	nd dressing	works of c	ycle track		
ing									
ling llation of isolation Pl	MM 4 mm	ıel							
on or isolation P	par		Rem	aining Works	for steel bri	dge			
	_					-			
and transom for L3	parapet								
		• Weldi	ng & Pai	inting Works					
		▼ Painti	ng of the	Ring Weld					
span) (NCE No.181)									
span) (NCE No.181		In span) MCT	No 1911						
r country of the steel	. soon (Me	spanj (INCE							
Painting repa	ir of the a	rch rib (Extern	al) (south	ı rib)					
		Painti	ng repair	of the arch ri	b (External	) (north rib)			
l									
			UBG an	d AIC					
			AIC						
		d., 47~ -							
	esting of	the AIC (for sou	uth rib)						
ong llation of Arch Inspe	ction Cra	lle (for north rit	))						
		h Inspection Ci		north rib)					
		-		of the AIC (fo	r north rib)				
		∎ Fine	tune stre	essing force o	f the stay ca	ıbles			
					-				
	Cabl	e laying from s	tormwate	er planting roo	om to bridge	deck (NCI	E198 -Delay	Access	s to F
Date		Revis	sion		Cheo	ked	Appro	ved	
p-22	3MRF	9 (Sep 22 -	Dec 2	22)					

Data Date :08-Sep-22 Sheet 4 of 5

## Contract No. NE/2017/07 Cross Bay Link, Tseng Kwan O - Main Bridge and Associated Works

	Activity Name	Original Duration	Remaining Duration	Start	Finish	Physical % Complete	28 04		02 09
S2-EM1363	Installation of instruments (accelerometers, inclinometers etc)	15	5	15-Jul-22 A	15-Sep-22	80%		Installation of instruments	(accelerometers, inclinometers of
S2-EM3140	Laying of dynamic systems	21	21	29-Oct-22	22-Nov-22	0%			
S2-EM3160	Sensor connected with PXI to access system building service	14	13	18-Jul-22 A	30-Sep-22	40%			<ul> <li>Sensor connected with PXI</li> </ul>
S2-EM3180	Testing & Commissioning	30	30	09-Dec-22	07-Jan-23	0%			
M Works		184	121	30-Jun-22 A	07-Jan-23	-			
&M Works in Porti	ion II,III & IV	184	121	30-Jun-22 A	07-Jan-23				
Road Lighting		42	0	14-Jul-22 A	02-Sep-22 A		▼ Road Lig	hting	
S2-EM1500	Road Lighting works at W5-W2	37	0	14-Jul-22 A	26-Aug-22 A	100%	<ul> <li>Road Lighting works a</li> </ul>	t W5-W2	
S2-EM1560	Road Lighting works at E2-EA	37	0	22-Jul-22 A	02-Sep-22 A	100%	Road Lig	hting works at E2-EA	
Pier Head Lighting I	Installation at Piers W5-EA	30	30	03-Oct-22	07-Nov-22				•
S2-EM3040	Pier Head Lighting Installation at Piers W2-W5	30	30	03-Oct-22	07-Nov-22	0%			
S2-EM3060	Pier Head Lighting Installation at Piers E2-EA	30	30	03-Oct-22	07-Nov-22	0%			
S2-EM3080	Pier Head Lighting Installation at Piers W1-E1	30	30	03-Oct-22	07-Nov-22	0%			
	Installation at Piers W1-E1	97	97	03-Oct-22	07-Jan-23				·
S2-EM3100	Installation of Pier Head Lighting	30	30	03-Oct-22	07-Nov-22	0%			
S2-EM3100		30							
	Testing & Commissioning		30	09-Dec-22	07-Jan-23	0%			
SCADA System		106	97	30-Aug-22 A	05-Jan-23			EAT and deliver to Site	
S5-PR3260	FAT and deliver to Site	12	0	30-Aug-22 A	08-Sep-22 A	100%		FAT and deliver to Site	
S5-PR3300	Equipment cabling & wiring completion for termination	20	20	09-Sep-22	05-Oct-22	0%			Equipment cab
S5-PR3320	Rack & Equipment on site installation	14	14	06-Oct-22	21-Oct-22	0%			
S5-PR3340	Equipment & RIOU panel termination	18	18	22-Oct-22	11-Nov-22	0%			
S5-PR3360	Optical fibre cable laying (NCE198 -Delay Access to Portion VI)	60	60	09-Sep-22	21-Nov-22	0%			
S5-PR3380	Cable & wiring Termination	37	37	22-Nov-22	05-Jan-23	0%			
Navigation Lighting	g at Piers W1-E1	30	30	03-Oct-22	07-Nov-22				<b>-</b>
S2-EM1630	Navigation Lighting Installation at Piers W1-E1	30	30	03-Oct-22*	07-Nov-22	0%			
Avigation Lighting a	at Piers W1-E1	30	30	03-Oct-22	07-Nov-22				▼
S2-EM1700	Avigation Lighting Installation at Piers W1-E1	30	30	03-Oct-22	07-Nov-22	0%			
Functional Lighting		66	66	03-Oct-22	07-Dec-22				<b>-</b>
S2-EM1760	Equipment Installation of Functional Light	30	30	03-Oct-22	07-Nov-22	0%			
S2-EM1700				03-0ct-22 08-Nov-22	07-Dec-22				
	Testing and Commissioning including SAT & Scene Program	30	30			0%			
	and Main Earthing System	121	121	09-Sep-22	07-Jan-23			<b>v</b>	
S2-EM1960	T&C for lightning system	30	30	09-Dec-22	07-Jan-23	0%			
S2-EM1985	Installation of earthing tape at Portion VI (NCE198 -Delay Access to Portion VI)	49	49	09-Sep-22	08-Nov-22	0%			
S2-EM1990	T&C for main earthing system	30	30	09-Dec-22	07-Jan-23	0%			
Deck Cell - Eretctria	al Work	30	30	09-Dec-22	07-Jan-23				
Steel Deck Cell at	Piers E1-E2 East Side Span Deck	30	30	09-Dec-22	07-Jan-23				
S1-EM1480	Testing & Commissioning	30	30	09-Dec-22	07-Jan-23	0%			
Dehumidification S	iystem at Piers W1-E1	30	30	29-Sep-22	04-Nov-22			-	
S1-EM1500	Installation of Dehumidification System at Piers W1-E1	30	30	29-Sep-22	04-Nov-22	0%			
Gantry Lighting Ins	stallation at Piers W2 & E3	47	20	30-Jun-22 A	05-Oct-22	-			Gantry Lightir
S1-EM1520	Gantry Lighting Installation at Piers W2 & E3	47	20	30-Jun-22 A	05-Oct-22	40%			Gantry Lightir
	ign Lighting Installation at Piers W1-E1	30	30	03-Oct-22	07-Nov-22	1070			<b>v</b>
						00/			
S2-EM3020	17M Information Sign Lighting Installation at Piers W1-E1	30	30	03-Oct-22	07-Nov-22	0%			
	rks-Comprises All of the Landscape Works	60	60	14-Sep-22	12-Nov-22				
LW2000	Landscape works for CBL bridge	50	50	14-Sep-22	12-Nov-22	0%			
LW2020	Landscape works for TKO-LTT bridge	35	35	23-Sep-22	04-Nov-22	0%			
.W2040	Completion of Section 3 of the Works	0	0		12-Nov-22	0%			
on 5 of the Wor	rks-All Works within Portion V (CBL E&M Plantroom)	218	180	17-Jun-22 A	07-Mar-23				
maining Work		76	76	09-Dec-22	07-Mar-23				
5-PR2300	T&C for all systems after connection from plantroom to the bridge (incl. 15 days TRA)	76	76	09-Dec-22	07-Mar-23	0%			
or Services Sys		108	75	17-Jun-22 A	08-Dec-22	-			
lectrical System		53	20	17-Jun-22 A	05-Oct-22				<ul> <li>Electrical Syst</li> </ul>
UPS Room		53	20	17-Jun-22 A	05-Oct-22				UPS Room
S5-PR2580	UPS Installation (Including E&M Work)	26		17-Jun-22 A		100%	IIPS Installa	tion (Including E&M Work)	
3J-FK238U	UPS Installation (Including E&M Work) UPS SAT & Testing and Commissioning	26	20	09-Sep-22	31-Aug-22 A 05-Oct-22	0%		an (monomic Locivi Work)	UPS SAT & T
S5-PR2620									

Remaining Level of Effort
 Actual Work

Remaining Work

MilestoneSummary

## Three Month Rolling Programme (September 2022 - December 2022)

08-Ser

16 23		30	06		November 20 13	22	20	27	7	December 20 04	)22	11
,							Lay	ving of dyn	amic s	ystems		
access system buildin	g service						,					
			- Pier	Head	l Lighting	y Installa	ation at ]	Piers W5-I	BA			
								Piers W2-V	÷			
								Piers E2-E Piers W1-I	1			
	_					-						
			Inst	allatio	n of Pier	Head L	.1ghting					
r winne 1	or to -	ation										
& wiring completion f Rack & E			ıstallation	ι								
				<b>—</b> E	quipmen	t & RIC	-	el terminati	1			
							Optic	al fibre cab	ote layi	ng (NCE	198 -	Del
			- Nav	/igatio	on Lightir	ng at Pie	rs W1-l	E1				
				-	on Lightir Lighting	-		t Piers W1	-E1			
				-				1 Piers W1-I	31			
			-	i.	at T-	tic	Far: -	nelī''		<b></b>	Func	tion
			Equ	apmer	n installa	uon of ]	runction	nal Light			Testii	ng a
			Ir	ıstallat	tion of ea	rthing to	ape at P.	ortion VI (l	NCF1	98 -Delav	Acc	ess
	_	_				0"		(			_	-
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			Dehumidi									
allation at Piers W2 &	с E3	1	installatio	u ot D	renumidi	ncation	system	at Piers W	ı-El			
allation at Piers W2 &	è E3											
								nstallation a				
					Section	3 of the	Works-	Comprises	÷ .		scape	•w
		1	Landscap					BL bridge				
			uovap				-	3 of the Wo	orks			
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											▼ Ma	ajor
and Commisioning												
Date	3МРГ	R (Sep :	evision		2)	F	Cheo	cked	4	Approv	ed	
p-22	JIVIE	, den	D	JU Z	)				I			$\neg$

Data Date :08-Sep-22

## Contract No NE/2017/07 Cross Bay Link Tsong Kwan O - Main Bridge and Associated Works

	Activity Name	Original Duration	Remaining	Start	Finish	Physical %			September 2022		Octob	ober 2022		November 2022					Decembe		
			Duration			Complete	28	04	11 18		25 0	02	09	16	23	30		06 13	20	2	27
S5-PR2640	Accomplish of UPS Installation	0	0		05-Oct-22	0%						<ul> <li>Accomplete</li> </ul>	nplish of UPS	'S Installat	ation						
Main Cable Laying	(from Stormwater Plant Room to Main Bridge)	76	75	07-Sep-22 A	08-Dec-22			-													
S5-PR3532	Partial Handover of piping and drawpit for electrical work for Portion VI (Road D9)	0	0		07-Sep-22 A	100%		• F	Partial Handover of piping and	drawpit	t for electrical v	work for P	Portion VI (P	Road D9)	)						
S5-PR3540	Main cable laying at Portion VI (NCE198 -Delay Access to Portion VI)	50	50	09-Sep-22	09-Nov-22	0%											_	Main cable la	aying at Portio	n VI (NCE1	98 -Delay Ac
S5-PR3560	Main cable termination (inside LV switchband)	25	25	10-Nov-22	08-Dec-22	0%															
S5-PR3600	Power energization	0	0		08-Dec-22	0%					·····		•••••							•••••	******

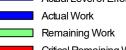
Actual Work

Remaining Work

Date	Revision	Checked	Approved
ep-22	3MRP (Sep 22 - Dec 22)		

**Contract 2** 

	Activity Name	Original Duration D	Actual Remain uration Dura	ning Calendar Start	Finish Late Start	Late Finish	Total TRA Float	Complete					1		)22							2023		
/2017/08 Programme	Lindate (Nov 2021)	1399		504 31-Oct-18 A	25-Jul-23 19-Jul-21	30-Sep-23	58	Oct	t Nov De	c Jan	Feb	Mar Apr	May	Jun	Jul	Aug Sep	Oct	Nov L	Jec Jan	Feb N	Mar Apr	r May	Jun	Jul
Project Key Dates		1399	488	484 31-Oct-18 A	25-Jul-23 27-Aug-21	30-Sep-23	58				_						_							_
SD1000	Starting Date	0	0	0 017/08(7 31-Oct-18 A	27-Aug-21		0	100%		-														
Access Dates		243	243	0 017/08(7 01-Nov-18 A			-																	
POS1010	Possession of Portion I	0	0	0 017/08(7 02-Jul-19 A	27-Aug-21		0	100%																
POS1020	Possession of Portion II	0	0	0 017/08(7 01-Nov-18 A	27-Aug-21		0	100%																
POS1030	Possession of Portion III	0	0	0 017/08(7 01-Nov-18 A	27-Aug-21		0	100%																
POS1040	Possession of Portion IV	0	0	0 017/08(7 01-Nov-18 A	27-Aug-21		0	100%																
	er Revised Contract Key Dates under CEs	1070		376 017/08(7 25-Jun-20 A			123																30-May-23	:3, F
PC1010	Planned Completion of Key Date 1	0	0	0 017/08(7	25-Jun-20	30-Sep-23	0	100%																
PC1020	Planned Completion of Key Date 2	0	0	0 017/08(7	19-May-22	18-Mar-22	-62 0	0%					÷₽			of Key Date 2								
PC1030 PC1040	Planned Completion of Key Date 3 Planned Completion of Sectional Completion S1	0	0	0 017/08(7 0 017/08(7	29-Jun-22 24-Jun-22	14-Apr-22 30-Mar-22	-76 0 -86 0	0%								l Completion of Completion of \$		plation S1						
PC1040	Planned Completion of Sectional Completion S1 Planned Completion of Sectional Completion S2	0	0	0 017/08(7	29-Jun-22	14-Apr-22	-76 0	0%								Completion of		· ·						
PC1060	Planned Completion of Sectional Completion S2	0	0	0 017/08(7	30-May-22	14-Apr-22	-46 0	0%								tion of Sectiona	- i - i		Ζ,					
PC1070	Planned Completion of Sectional Completion S4	0	0	0 017/08(7	30-May-23	14-Apr-23	-46 0	0%				<b> </b>		(	a compio								Planned (	Con
PC1080	Planned Completion of Sectional Completion S5	0	0	0 017/08(7	18-Jun-22	14-Apr-22	-64 0	0%						P	anned Co	mpletion of Se	ctional Compl	etion \$5,						
Planned Completion und	er Possible Contract Key Dates under CEs	1070	0	376 017/08(7 25-Jun-20 A	30-May-23 18-Mar-22	30-Sep-23	123	_		-								-				<b></b>	30-May-23	23, P
PCP1010	Planned Completion of Key Date 1	0	0	0 017/08(7	25-Jun-20	30-Sep-23	0	100%		1														
PCP1020	Planned Completion of Key Date 2	0	0	0 017/08(7	19-May-22	18-Mar-22	-62 0	0%						Planned C	ompletion	of Key Date 2	, .							
PCP1030	Planned Completion of Key Date 3	0	0	0 017/08(7	25-Jul-22	25-Jul-22	-1 0	0%			1					Planned Comp								
PCP1040	Planned Completion of Sectional Completion S1	0	0	0 017/08(7	24-Jun-22	04-Apr-22	-82 0	0%		-		▎▃╫▃		_ <b></b>		Completion of	: :							
PCP1050	Planned Completion of Sectional Completion S2	0	0	0 017/08(7	25-Jul-22	25-Jul-22	-1 0	0%		-					· • •	Planned Comp			letion S2,					
PCP1060	Planned Completion of Sectional Completion S3	0	0	0 017/08(7	30-May-22	25-Jul-22	56 0	0%		-				Planne	a Comple	tion of Section	al Completion	S3,						~
PCP1070 PCP1080	Planned Completion of Sectional Completion S4	0	0	0 017/08(7	30-May-23 18-Jun-22	25-Jul-23 25-Jul-22	56 0 37 0	0%				<b>  -   </b>				molotion -f.C	ational C	otion or					Planned (	00
-	Planned Completion of Sectional Completion S5	1024	0	0 017/08(7 392 017/08(7 25-Jun-20 A	18-Jun-22 14-Apr-23 18-Mar-22	25-Jul-22 30-Sep-23	37 0	0%						- <b>1</b>	anned Co	ompletion of Se	cupnal Compl	elion So,		_		14-Apr-28, F	Powieced Cou	nte
CD1010	es and Sectional Completion Dates under CEs S1 - Completion of All Works within Portion I	0	0	0 017/08(7	30-Mar-22*	30-Sep-23	0 0	0%					Completie	n of All Wo	ko uithin	Portion						14-Api-20, M		iu
CD1010	S1 - Completion of All Works within Portion II, III & IV and remainder of the W	0	0	0 017/08(7	14-Apr-22*	14-Apr-22	0 0	0%									₩ & N/andman	nainderof	the Works r	not covered by	v other Sect	ione		
CD1030	S3 - Completion of All Landscape Softworks	0	0	0 017/08(7	14-Apr-22*	14-Apr-22	0 0	0%								pe Softworks.				bi covered by		0113,		
CD1040	S4 - Completion of Establishement Works	0	0	0 017/08(7	14-Apr-23*	14-Apr-22	0 0	0%			· · · · · · · · · · · · · · · · · · ·				Lanusua						·····	S4 - Comple	tion of Est:	tab
CD1050	S5 - Completion of Preservation and Protection of Existing Trees	0	0	0 017/08(7	14-Apr-22*	14-Apr-22	0 0	0%					S5 - Comp	letion of P	reservatio	n and Protectio	on of Exisitna '	Trees.						
KD0001	Key Date 1 - Completion of Eastern Abutment in Portion II	0	0	0 017/08(7	25-Jun-20	30-Sep-23	0	100%													-			
KD0002	Key Date 2 - Completion of Works within Portion I, II, III & IV for TCSS of all E&	0	0	0 017/08(7	18-Mar-22*	18-Mar-22	0 0	0%				➡ Key Dat	e 2 - Comp	pletion of V	Vorks with	in Portion I, II, III	& IV for TCSS	of all É&M	/ Works, Stre	et Lighting, T8	&C.			
KD0003	Key Date 3 - Completion of All Works within Portion I, II, III & IV	0	0	0 017/08(7	14-Apr-22*	14-Apr-22	0 0	0%				🛶	Key Date 3	3 - Comple	tion of All	Works within P	ortion I, II, III &	IV,						
_	ectional Completion Dates under CEs	1126	0	494 017/08(7 25-Jun-20 A	25-Jul-23 18-Mar-22	30-Sep-23	68							<u></u>										
KDP0001	Key Date 1 - Completion of Eastern Abutment in Portion II	0	0	0 017/08(7	25-Jun-20	30-Sep-23	0	100%													-			
KDP0002	Key Date 2 - Completion of Works within Portion I, II, III & IV for TCSS of all E&	0	0	0 017/08(7	18-Mar-22*	18-Mar-22	0 0	0%				Key Dat	e 2 - Comp	pletion of V	Norks with	in Portion I, II, III	& V for TCSS	of all E&M	/ Works, Stre	et Lighting, T8	&С,			
KDP0003	Key Date 3 - Completion of All Works within Portion I, II, III & IV	0	0	0 017/08(7	25-Jul-22*	25-Jul-22	0 0	0%								Key Date 3 - Co	ompletion of A	ll Works wi	ithin Portion	I, II, III & IV,				
SCP0001	S1 - Completion of All Works within Portion I	0	0	0 017/08(7	04-Apr-22*	04-Apr-22	0 0	0%		1		4 S1	- Completi	on of All V	Vorks withi	n Portion I,								
SCP0002	S2 - Completion of All Works within Portion II, III & N and remainder of the W	0	0	0 017/08(7	25-Jul-22*	25-Jul-22	0 0	0%								S2 - Completio	n of All Works	within Port	tion II, III & IV	and remainde	r of the Wo	rks not cover	ed by othe	эr
SCP0003	S3 - Completion of All Landscape Softworks	0	0	0 017/08(7	25-Jul-22*	25-Jul-22	0 0	0%							-	S3 - Completio	n of All Landso	ape Softw	vorks,		-			
SCP0004	S4 - Completion of Establishement Works	0	0	0 017/08(7	25-Jul-23*	25-Jul-23	0 0	0%		-														
SCP0005	S5 - Completion of Preservation and Protection of Exisitng Trees	0	0	0 017/08(7	25-Jul-22*	25-Jul-22	0 0	0%								S5 - Completio		ion and Pro	otection of E	xisitng Trees,				
Access requirement for A		/5	0	75 30-Nov-21	04-Mar-22 15-Dec-21	18-Mar-22	12					04-Mar-22, A	ccess requ	urement fo	or Acceler	ation d TCSS installa								
HO1010	Complete all neccessary works for E&M and TCSS installation	0	0	0 017/08(7	04-Mar-22	18-Mar-22	14 0	0%							r Eð Man	d TCSS installa	itio¦n,							
HO1020	Provision of vehicular access to the contractor of C1	0	0	0 017/08(6	30-Nov-21 25-Mar-22 19-Jul-21	15-Dec-21	13 554	0%		vision of v	enicular acce	ss to the cont			than Stat	mont Mataria	Cthemicologie							
	tatement, Material Submissions	1242		138 017/08(7 31-Oct-18 A		30-Sep-23										ement, Materia	Submissions							
Contractor's Design		1223	850	63 017/08(7 12-Jan-19 A			62					25-Ma	r-22, Conti	ractors De	sign									
AIP Submission	Alternative Designs - Prepare AIP Submission		208	0 017/08(7 12-Jan-19 A			0	100%							····									
<ul> <li>AD1010</li> <li>AD1020</li> </ul>	Alternative Designs - Prepare AIP Submission Alternative Designs - Review and Comment of AIP by PM	14 21	33 19	0 017/08(7 12-Jan-19 A 0 017/08(7 14-Feb-19 A		-	0	100%																
AD1020	Alternative Designs - Review and Comment of AIP by PM Alternative Designs - Review and Comment of AIP by HyD	21	66	0 017/08(7 05-Mar-19 A	-	-	0	100%		-						-					-			
AD1190	Alternative Designs - Prepare AIP Submission (Rev.A)	14	33	0 017/08(7 10-May-19 A	, ,	-	0	100%		1														
AD1200	Alternative Designs - Review and Comment of AIP by PM	21	24	0 017/08(7 12-Jun-19A			0	100%		1														
AD1210	Alternative Designs - Review and Comment of AIP by HyD	21	33	0 017/08(7 06-Jul-19 A	07-Aug-1§ 27-Aug-21	-	0	100%																
DDA Submission		381	392	0 017/08(7 29-Jan-19 A																				
Elevated Deck and U-t		220	200	0 017/08(7 29-Jan-19 A	16-Aug-1! 27-Aug-21	27-Aug-21																		
AD1030	Alternative Designs - Prepare DDA Submission to Relevant Authorities (Eleva	21	50	0 017/08(7 29-Jan-19 A	19-Mar-19 27-Aug-21	27-Aug-21	0	100%		1														
😑 AD1035	Alternative Designs - Review and Comment of DDA (Elevated Deck and U-tro	7	1	0 017/08(7 20-Mar-19 A			0	100%																
AD1036	Alternative Designs - Prepare DDA Submission (Elevated Deck and U-trough	16	20	0 017/08(7 21-Mar-19 A		-	0	100%		-														
AD1037	Alternative Designs - Review and Comment of DDA Submission (RevA)	7	1	0 017/08(7 09-Apr-19A		-	0	100%		-														
AD1038	Alternative Designs - Prepare DDA Submission (Elevated Deck and U-trough	14	9	0 017/08(7 10-Apr-19 A	18-Apr-19 27-Aug-21	-	0	100%		-											-			
AD1039	Alternative Designs - Review and Acceptance of DDA Submission (Rev.B)	7	120	0 017/08(7 18-Apr-19 A			0	100%		-														
Response to CEDD	- Port Works Alternative Designs - Review and Comment of DDA (ED and UT) (21D for CE	84 21	120 56	0 017/08(7 19-Apr-19A 0 017/08(7 19-Apr-19A	16-Aug-1         27-Aug-21           13-Jun-19         27-Aug-21		0	100%																
AD1250	Alternative Designs - Review and Comment of DDA (ED and Of) (21D for CE Alternative Designs - Prepare DDA Submission (ED & UT, Response to CEDI	21	11	0 017/08(7 14-Jun-19 A			0	100%																
AD1230	Alternative Designs - Review and Comment of DDA (ED&UT, 21D from CEDE	21	25	0 017/08(7 25-Jun-19 A			0	100%		-														
AD1300	Alternative Designs - Prepare DDA Submission (ED&UT, Reponse to CEDD)	21	6	0 017/08(7 20-Jul-19 A	25-Jul-19, 27-Aug-21		0	100%		-														
AD1310	Alternative Designs - Review and Acceptance of DDA (ED&UT, 21D from CEI	21	22	0 017/08(7 26-Jul-19 A	16-Aug-1§ 27-Aug-21		0	100%		-						-								
Response to HyD - I		113	104	0 017/08(7 19-Apr-19A																				
aD1040	Alternative Designs - Review and Comment of DDA (ED and UT) (21D for Hyl	21	22	0 017/08(7 19-Apr-19A	10-May-1§ 27-Aug-21		0	100%		1		1												
<ul> <li>Actual Level of Et</li> </ul>	ffort   Milestone				Contract No.:	NE/2017/	08							Da	ate			Revisio	n		Ch	lecked	Арр	or
		T #0 +7	日間	~									ſ	08-Mai	r-21	Monthly F	Programm	e Upda	te (Mar 2	021)	TL	Ţ	StL	
	summary / TA	工程报	展者		ross Bay Link, T	seung Kw	van O						ŀ	00 14-	101	Manthur	rearemm	I Indat	to (May 2	001)	CkT		StL	_
Actual Work					•	0								08-IVIA	V-Z I		logiamin	e Obcai	ie (iviav Z	0211				
<ul> <li>Actual Work</li> <li>Remaining Work</li> </ul>		Ingineer		R	Road D9 and Ass	0	orks				1	Kir		08-May	y-21 21	Monthy F	Programm		. ,	,	CKT		StL	_







	Activity Name		Actual Remaini Duration Durati	ng Calendar Start on	Finish Late Start	Late Finish Total TI Float	RA Activity % Complete Oct	Nov	Doo	Jan	Feb N	1ar Api	May	Ju	2022 n J	JI   A	J Sep	Oct	Nov	Dec .	Jan Feb	Mar Ap	2023 or May	Jun Jul
NCE130	NCE130 - Extra Length of PBSH at Portion I	0	0	0 017/08(7 11-Sep-20 A	30-Sep-23	0	· 00		Dec	Jan	Feb N	iar Apr	IVIAY	Ju	n J	II Aug	sep	Uci	INOV	Dec	Jan Feb	iviar Ap	i iviay	Jun Jui
NCE131	NCE131 - Extra Length of PBSH at Portion III	0	0	0 017/08(7 11-Sep-20 A	30-Sep-23	0	100%	· <mark>↓ · ↓</mark> · · · <b>↓</b>    ·																
NCE132	NCE132 - Additional Works for Left-in Steel Casing for PBSH at Cycle Track I	0	0	0 017/08(7 11-Sep-20 A	30-Sep-23	0	100% 020,	11-Sep 20	A									-						
NCE133	NCE133 - Additional Works for Left-in Steel Casing for PBSH at Lift and Stail	0	0	0 017/08(7 11-Sep-20 A	30-Sep-23	0	100% 020, 1										-							
	-	0	0	· · ·	· ·	0	100 % 120, 1		1															
NCE134	NCE134 - Additional Works for Left-in Steel Casing for PBSH at Wan O Road	-	-	0 017/08(7 11-Sep-20 A	30-Sep-23	-												1						
NCE135	NCE135 - Additional Point Load Test for Proof Drill Hole no. PC9,10-PD1	0	-	0 017/08(7 16-Sep-20 A	30-Sep-23	0	100%																	
NCE136	NCE136 - Inclement Weather for the Period of 9 July 2020 to 8 August 2020	0	-	0 017/08(7 16-Sep-20 A	30-Sep-23	0	100%				1	-				-	-	1						
NCE137	NCE137 - Special Arrangement for Concrete Testing Services from the Publi	0		0 017/08(7 08-Oct-20 A	30-Sep-23	0	100% 0 A										1	1						
NCE138	NCE138 - Inclement Weather for the Period of 9 August 2020 to 8 Septemb	0	0	0 017/08(7 16-Oct-20 A	30-Sep-23	0	100%										1							
NCE139	NCE139 - Works affected by the Tropical Cyclone Warning Signal No. No. 8	0	0	0 017/08(7 16-Oct-20 A	30-Sep-23	0	100% 16-Oc					-				1	1	1						
NCE140	NCE140 - Uncharted Steel Materials Found at Pre-Bored Socketed H-Pile Nc	0	0	0 017/08(7 28-Oct-20 A	30-Sep-23	0	100% ad, 2	8-Cct-2CA									1	-						
NCE141	NCE141 - Uncharted Steel Materials Found at Pre-Bored Socketed H-Pile Nc	0	0	0 017/08(7 28-Oct-20 A	30-Sep-23	0	100% ad, 2	8-Cct-2CA																
NCE142	NCE142 - Extra Length of Pre-Bored Socketed H-Piles at Lift and Staircase	0	0	0 017/08(7 28-Oct-20 A	30-Sep-23	0	100%																	
NCE143	NCE143 - Additional Works for Left-in Steel Casing for 610mm PBSH at Lift ;	0	0	0 017/08(7 28-Oct-20 A	30-Sep-23	0	100% 20, 28	3 Oct-20 A				-				-		1						
NCE144	NCE144 - Additional Works for Left-in Steel Casing for 610mm PBSH at War	0	0	0 017/08(7 28-Oct-20 A	30-Sep-23	0	100% 8-Oct																	
NCE145	NCE145 - Works affected by the Tropical Cyclone Warning Signal No. No. 8 '	0	-	0 017/08(7 30-Oct-20 A	30-Sep-23	0	100% 2020																	
		0	-					, <b>37-04-</b> 2	۳ <b>۲</b>							····-				÷			<del> </del> <mark>-</mark>	
NCE146	NCE146 - Inclement Weather for the Period of 9 September 2020 to 8 Octol	-	-	0 017/08(7 05-Nov-20 A	30-Sep-23	0																		
NCE148	NCE148 - Additional Works for Left-in Steel Casing for 610mm PBSH at War	0		0 017/08(7 24-Nov-20 A	30-Sep-23	0	100% 202.0,		D A								1	1						
NCE149	NCE149 - Extra Length of Pre-Bored Socketed H-Piles at Wan O Road in Pc	0	-	0 017/08(7 25-Nov-20 A	30-Sep-23	0																		
NCE150	NCE150 - Inclement Weather for the Period of 9 October 2020 to 8 Novemb	0	0	0 017/08(7 08-Dec-20 A	30-Sep-23	0	100% Dec-2	₽4				1												
NCE151	NCE151 - Additional Works for Left-in Steel Casing for 610mm PBSH at War	0	0	0 017/08(7 09-Feb-21 A	30-Sep-23	0	100% at Wa	🛊 🌢 Rolad	in Nov 2	020, 09-Fet	5-21 A							÷						
NCE152	NCE152 - Unexpected Obstruction to Manhole no. SMH011 at Road D9 in P	0	0	0 017/08(7 07-Jan-21 A	30-Sep-23	0	100% on III,	07 Jan 21	À		1													
NCE153	NCE153 - Extra Works for Carry Out Laboratory Testings for Gully Formers up	0	0	0 017/08(7 07-Jan-21 A	30-Sep-23	0				21 A														
NCE154	NCE154 - Unexpected Obstruction to Manhole no. SMH012 at Road D9 in P	0	-	0 017/08(7 18-Jan-21 A	30-Sep-23	0	100% ortion	1 1				-												
NCE155		0	-		· ·	0	100% ates			18-Jan-21 A		-						1						
•	NCE155 - Works affected by COVID-19 - Additional Cost for Supply of Aggree	-	-	0 017/08(7 18-Jan-21 A	30-Sep-23		r	<u>ייוז יין גו</u>		-Jan-21 A	`							-						
NCE156	NCE156 - Movement Joint Construction at 2nd Portion of Abutment 2B	0	-	0 017/08(7 18-Jan-21 A	30-Sep-23	0	100% an-2													÷				
NCE157	NCE157 - Delay in Backfilling Works along At-Grade Road due to Repeated	0	-	0 017/08(7 18-Jan-21 A	30-Sep-23	0	100% No SF			eral Fill, 18-J														
NCE158	NCE158 - Conflict between Existing Manhole No. SMH4046896 and Pile Caj	0	0	0 017/08(7 18-Jan-21 A	30-Sep-23	0	100% No.										1							
NCE159	NCE159 - Delay in Using Imported General Fill from ND/2018/01 Due to Una	0	0	0 017/08(7 20-Jan-21 A	30-Sep-23	0	100% ivailal	belīes Re	esult of S	ulphate Cor	ntent, þ20-J	lan-21 A												
NCE160	NCE160 - Additional Point Load Test for Proof Drill Hole no. PD-1 at PC77	0	0	0 017/08(7 05-Feb-21 A	30-Sep-23	0	100% 77, 0	5 Feb-21A																
NCE161	NCE161 - Additional Material Testing for Steel Works of Semi-Enclosure Nois	0	0	0 017/08(7 01-Mar-21 A	30-Sep-23	0	100% closu		arriers at	fter Hot Ben	d Treatme	nt, 01-Mar-	21A			-		-				1		
NCE162	NCE162- Compulsory Valid Negative COVID-19 Test Result for Entry of Cons	0	0	0 017/08(7 05-Mar-21 A	30-Sep-23	0	100% Entry													++				+
		0	-			0	100% Linuy																	
NCE163	NCE163 - Revision of Spacing of Movement Joints for Semi-Enclosure Noise			0 017/08(6 19-Mar-21 A	30-Sep-23					r at Elevate	a Deck, 19	9-IVIAI-72 TA						1						
NCE164	NCE164 - Inclement Weather Period of 9 Feb 2021 to 8 March 2021	0	0	0 017/08(6 29-Mar-21 A	30-Sep-23		100% Marc									1	1	1						
NCE165	NCE165 - Unexpected CLP Power Cables at XYZ Junction near Manhole no	0	0	0 017/08(6 08-Apr-21 A	30-Sep-23		100% nction	n near Man	hole no.	SMH009, 0	8-Apr-21 A	A						1						
NCE166	NCE166 - Delay in Procurement of Watermain Pipes due to Revised Waterm	0	0	0 017/08(6 08-Apr-21 A	30-Sep-23		100% due t	k Flevised;	Waterm	ain Layout a	and Lonitu	dinal Profile	, 08-Apr	21 A				1						
NCE167	NCE167 - Ground Settlement Issue at Portion I	0	0	0 017/08(6 08-Apr-21 A	30-Sep-23		100% pr-21																	
NCE168	NCE168 - Additional Coating fo Sub-Frame of the Semi-Enclosure Noise Bar	0	0	0 017/08(6 19-Apr-21 A	30-Sep-23		100% Sem	i Enclosure	e Noise E	arriers, 19-/	Apr-21 A							1						
NCE169	NCE169 - Lighting works for Traffic Sign	0	0	0 017/08(6 29-Apr-21 A	30-Sep-23		100% r-21/					1				-		1						
NCE170	NCE170 - Revised Landscape Softworks and Hardworks	0	0	0 017/08(6 30-Apr-21 A	30-Sep-23		100% Hardv		21 4									1						
		0	-	· ·			100% Labo					- 00 0					-							
NCE171	NCE171 - Extra Works for Carry Out Laboratory Testings for Precast Concrete		<u> </u>	0 017/08(6 03-Jun-21 A	30-Sep-23					Precast Con			and the second			00.14				÷				4
NCE172	NCE172 - Extra Works for Carry Out Laboratory testings for Impact Resistant	0	-	0 017/08(6 26-May-21 A	30-Sep-23		100% abora	1 1 1 1		1	11		version	est of u	VGPip	es, 26-May-	-21 <sub>1</sub> A	1						
NCE173	NCE173 - Electric Suspension for Semi-Enclosure Noise Barrier Factory	0	0	0 017/08(6 28-Jun-21 A	30-Sep-23		100% n for				11						1	1					1	
NCE174	NCE174 - Inclement Weather for the Period of 9 May 2021 to 8 June 2021	0	0	0 017/08(6 29-Jun-21 A	30-Sep-23		100% ir for t		S 11 - 1			l, 29-Jun-21	Α					1						
Early Warning (EW)		860	653	0 10-Dec-18 A	08-Nov-21 29-Sep-23	30-Sep-23 562	_	- OBIN	ov 21, E	arly Warning	) (EV/)						1	1						
EW001	Temporary Discharges from LOHAS Park Development MTRC Contractors In	0	0	0 017/08(7	10-Dec-18	30-Sep-23 0	100%											1						
EW002	Construction Debris and Domestic Waste Left Behind by MTRC's Contractors	0	0	0 017/08(7	10-Dec-18	30-Sep-23 0		•			+									+				+
EW002	Maintenance of EVA at Portion II and II for MTRC's Depot along Road D9	0	0	0 017/08(7	10-Dec-18	30-Sep-23 0	100%																	
		0	0	•												-		1						
EW004	Diversion of Existing Fire Service Main along D9 Road upon Possession of P	0		0 017/08(7	10-Dec-18	30-Sep-23 0	100%				1							1						
EW005	Severe Cracks and Abnormal Movement Observed on the Existing Road D9	0	-	0 017/08(7	14-Jan-19	30-Sep-23 0	100%											-						
EW006	Uncharted Utilities (Hong Kong Broadband and CLP) identified at Road D9, 1	0	0	0 017/08(7	17-Jan-19	30-Sep-23 0	100%																	
EW007	Additional Works for Determination of Bond Properety of Steel Reinforcing B	0	0	0 017/08(7	25-Apr-19	30-Sep-23 0	100%											1		1				1
EW008	Additional Works for Laying Concrete Blocks on Top of the Existing Seawall t	0	0	0 017/08(7	14-Feb-19	30-Sep-23 0	100%					8					1	:						
EW009	Existing Public Lighting Columns Removal by Others	0	0	0 017/08(7	10-Feb-19	30-Sep-23 0	100%											ł						
EW010	Unexpeced CLP Cables Identified at Wan O Road	0	0	0 017/08(7	10-Jun-19	30-Sep-23 0	100%																	
EW010 EW012	Obstruction of Construction of Elevated Deck and U-Trough by Unexpected (	0	0	0 017/08(7	13-Feb-19	30-Sep-23 0	100%					-												
EW012	Unregistered Tree No. A0001 found at Wan O Road and obstruct the UU div	0	0	0 017/08(7	16-Feb-19		100%	· <mark>┟╶</mark> ┨╌╴╂╢┊								····•				+				+
	5	-	-	· · ·								-						-						
EW015	Constraints on TTA Scheme for Full Enclosure in Wan O Road	0	-	0 017/08(7	21-Feb-19	30-Sep-23 0	100%					-												
EW016	Accumlation of Settlement Values with the Existing Data	0	0	0 017/08(7	21-Feb-19	30-Sep-23 0	100%																	
EW017	Additional Works for Disposal of Unsuitable Materials to NENT in Lieu of TK(	0	0	0 017/08(7	14-Mar-19	30-Sep-23 0	100%																	
EW018	Unexpected Traxcomm Cable Ducts at Portion I	0	0	0 017/08(7	10-Jun-19	30-Sep-23 0	100%					8					1	:						
EW019	Obstruction of Construction of Elevated Deck and U-Trough by Unexpected (	0	0	0 017/08(7	14-Mar-19	30-Sep-23 0	100%	1-1												1				+
EW023	Extra Length of Bored Pile No. PL131, 132, 133, 107, 110, 113, 149, 152	0	0	0 017/08(7	21-Jun-19	30-Sep-23 0	100%					-				-		-				1		
	Unexpected WTT and HKT Ducts Identified at Wan O Road	0		0 017/08(7	26-Jul-19	30-Sep-23 0	100%																	
EW024	Uncertain Information of the Existing DN1800 drainage Pipe	0	-				100%					-				1	-	1						
	Uncertain information of the Existing Divisory urainage Pipe	-	-	0 017/08(7	16-Aug-19	· ·						-				-		1						
EW025		0	-	0 017/08(7	20-Aug-1§	30-Sep-23 0		<b>. .  </b>   ;														·		
EW024 EW025 EW026	Delay in Response from HyD on Submission of Alternative Foundation desig	· · · · · · · · · · · · · · · · · · ·	0	0 017/08(7	21-Aug-1§	30-Sep-23 0																		
EW025 EW026		0			22-Aug-19	30-Sep-23 0	100%																	
EW025 EW026 EW027	Delay in Response from HyD on Submission of Alternative Foundation desig	0	0	0 017/08(7	5		100%										1	i		1 I		·	1	
EW025 EW026 EW027 EW028	Delay in Response from HyD on Submission of Alternative Foundation desig Maintenance of EVA at Portion I for MTRC's Depot		-	0 017/08(7 0 017/08(7	23-Aug-1§	30-Sep-23 0			- II		1.1									1 1				
EW025 EW026 EW027 EW028 EW029	Delay in Response from HyD on Submission of Alternative Foundation desig Maintenance of EVA at Potion I for MTRC's Depot Unexpected Gas Main at Extent of Portion I Discrepancy of Finish Ground Level in Portion I	0	0		23-Aug-19		100%											1						
EW025 EW026 EW027 EW028 EW029 EW030	Delay in Response from HyD on Submission of Alternative Foundation desig         Maintenance of EVA at Potion I for MTRC's Depot         Unexpected Gas Main at Extent of Portion I         Discrepancy of Finish Ground Level in Portion I         Insufficiency of Information for Construction of Drainage works in U-Trough in	0	0	0 017/08(7 0 017/08(7	23-Aug-1§ 02-Sep-1§	30-Sep-23 0	100%					8 8 8 8 8 8 8				5 5 5 5 5								
EW025 EW026 EW027 EW028 EW029 EW030 EW031	Delay in Response from HyD on Submission of Alternative Foundation desig         Maintenance of EVA at Potion I for MTRC's Depot         Unexpected Gas Main at Extent of Portion I         Discrepancy of Finish Ground Level in Portion I         Insufficiency of Information for Construction of Drainage works in U-Trough in         Potential of Excessive Concrete Loss at Bored Piles No. PL132, PL133, P6,	0	0 0 0 0	0 017/08(7 0 017/08(7 0 017/08(7	23-Aug-1{ 02-Sep-1{ 03-Sep-1{	30-Sep-23         0           30-Sep-23         0	100% 100%																	
EW025 EW026 EW027 EW028 EW029 EW030 EW031	Delay in Response from HyD on Submission of Alternative Foundation desig         Maintenance of EVA at Potion I for MTRC's Depot         Unexpected Gas Main at Extent of Portion I         Discrepancy of Finish Ground Level in Portion I         Insufficiency of Information for Construction of Drainage works in U-Trough in	0	0 0 0 0	0 017/08(7 0 017/08(7	23-Aug-1§ 02-Sep-1§	30-Sep-23 0	100%																	
EW025 EW026 EW027 EW028 EW029 EW030 EW031	Delay in Response from HyD on Submission of Alternative Foundation desig         Maintenance of EVA at Potion I for MTRC's Depot         Unexpected Gas Main at Extent of Portion I         Discrepancy of Finish Ground Level in Portion I         Insufficiency of Information for Construction of Drainage works in U-Trough in         Potential of Excessive Concrete Loss at Bored Piles No. PL132, PL133, P6,	0	0 0 0 0	0 017/08(7 0 017/08(7 0 017/08(7	23-Aug-1{ 02-Sep-1{ 03-Sep-1{	30-Sep-23         0           30-Sep-23         0	100% 100%																	
EW025 EW026 EW027 EW028 EW029	Delay in Response from HyD on Submission of Alternative Foundation desig Maintenance of EVA at Potion I for MTRC's Depot Unexpected Gas Main at Extent of Portion I Discrepancy of Finish Ground Level in Portion I Insufficiency of Information for Construction of Drainage works in U-Trough in Potential of Excessive Concrete Loss at Bored Piles No. PL132, PL133, P6, Extra Length of Pre-Bored Socketed H-Pile No. UP06, 11, 16, 21, 26, 31-38.	0	0 0 0 0	0 017/08(7 0 017/08(7 0 017/08(7	23-Aug-11 02-Sep-11 03-Sep-11 09-Sep-11	30-Sep-23         0           30-Sep-23         0           30-Sep-23         0	100% 100%								Date				Revis	ision		Ch	ecked	Appro
EW025 EW026 EW027 EW028 EW029 EW030 EW031 EW032 EW032	Delay in Response from HyD on Submission of Alternative Foundation desig         Maintenance of EVA at Potion I for MTRC's Depot         Unexpected Gas Main at Extent of Portion I         Discrepancy of Finish Ground Level in Potion I         Insufficiency of Information for Construction of Drainage works in U-Trough in         Potential of Excessive Concrete Loss at Bored Piles No. PL132, PL133, P6,         Extra Length of Pre-Bored Socketed H-Pile No. UP06, 11, 16, 21, 26, 31-38,	000000000000000000000000000000000000000	0 0 0 0	0 017/08(7 0 017/08(7 0 017/08(7 0 017/08(7	23-Aug-11 02-Sep-11 03-Sep-11 09-Sep-11 Contract No.: ]	30-Sep-23         0           30-Sep-23         0           30-Sep-23         0           NE/2017/08         0	100% 100%							08-N		Mc	onthly P	Program		ision odate (Ma	r2021)	Ch	ecked	Appro
EW025 EW026 EW027 EW028 EW029 EW030 EW031 EW032	Delay in Response from HyD on Submission of Alternative Foundation desig         Maintenance of EVA at Potion I for MTRC's Depot         Unexpected Gas Main at Extent of Portion I         Discrepancy of Finish Ground Level in Potion I         Insufficiency of Information for Construction of Drainage works in U-Trough in         Potential of Excessive Concrete Loss at Bored Piles No. PL132, PL133, P6,         Extra Length of Pre-Bored Socketed H-Pile No. UP06, 11, 16, 21, 26, 31-38,	000000000000000000000000000000000000000	0 0 0 0	0 017/08(7 0 017/08(7 0 017/08(7 0 017/08(7	23-Aug-11 02-Sep-11 03-Sep-11 09-Sep-11	30-Sep-23         0           30-Sep-23         0           30-Sep-23         0           NE/2017/08         0	100% 100%							00.	/lar-21			<u> </u>	mme Up	odate (Ma	,	TL	ecked	StL
EW025 EW026 EW027 EW028 EW029 EW030 EW031 EW032 EW032 EW032	Delay in Response from HyD on Submission of Alternative Foundation desig Maintenance of EVA at Potion I for MTRC's Depot Unexpected Gas Main at Extent of Portion I Discrepancy of Finish Ground Level in Portion I Insufficiency of Information for Construction of Drainage works in U-Trough in Potential of Excessive Concrete Loss at Bored Piles No. PL132, PL133, P6, Extra Length of Pre-Bored Socketed H-Pile No. UP06, 11, 16, 21, 26, 31-38, Fort  Milestone Summary	。 0 0 0 0 0 0 0	。 。 。 が が の の の の の の の の の の の の の の の	0 017/08(7 0 017/08(7 0 017/08(7 0 017/08(7 0 017/08(7	23-Aug-11 02-Sep-11 03-Sep-11 09-Sep-11 Contract No.: 1 ross Bay Link, T	30-Sep-23         0           30-Sep-23         0           30-Sep-23         0           30-Sep-23         0           NE/2017/08         Seeung Kwan O	100% 100%							00.	/lar-21 /lay-2	l Mo	onthy Pi	rogran	mme Upo nme Upo	odate (Ma date (Ma	y 2021)	TL CkT	ecked	StL StL
EW025 EW026 EW027 EW028 EW029 EW030 EW031 EW032 Actual Level of Ef	Delay in Response from HyD on Submission of Alternative Foundation desig Maintenance of EVA at Potion I for MTRC's Depot Unexpected Gas Main at Extent of Portion I Discrepancy of Finish Ground Level in Portion I Insufficiency of Information for Construction of Drainage works in U-Trough in Potential of Excessive Concrete Loss at Bored Piles No. PL132, PL133, P6, Extra Length of Pre-Bored Socketed H-Pile No. UP06, 11, 16, 21, 26, 31-38. Fort	。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。 。	0 0 0 0	0 017/08(7 0 017/08(7))))))))))))))))))))))))))))))))))))	23-Aug-11 02-Sep-11 03-Sep-11 09-Sep-11 Contract No.: ]	30-Sep-23         0           30-Sep-23         0           30-Sep-23         0           30-Sep-23         0           NE/2017/08         Seeung Kwan O	100% 100%			Jil				00.	/lar-21	l Mo	onthy Pi	rogran	mme Upo nme Upo	odate (Ma	y 2021)	TL	ecked	StL





	Activity Name	Original Actual Duration Duration	Remaining Calendar Start Duration	Finish Late	Start Late Finish	Total TRA Float	Complete Oc	t No	v Dec	Jan	Feb	Mar A	pr M	ay Ju	n Ju	Aug	Sep	Oct	Nov	Dec	Jan Fe	eb Ma	r Apr	May	Jun Jul
PMI037	Request for Quotation - Additional Road Marking and Traffic Sign Poles	0 0	0 017/08(7	03-Jan-20	30-Sep-23	0	100%			Jan				iy 30		Aug	Ocp	001	NOV	Dec	Jan re			IVICIY	Juli Jul
PMI038	Request for Quotation - Works affected by Strike Event, Riots and Blockage	0 0	0 017/08(7	08-Feb-20	30-Sep-23	0	100%					-										-	-		
PMI039	Request for Quotation - Enhancement Measures for TTA at Wan Po Road	0 0		08-Feb-20	30-Sep-23	0	100%		1		+				181										
PMI040	Request for Quotation - Works affected by Spreading of Novel Coronavirus	0 0	0 017/08(7	13-Feb-20	30-Sep-23	0	100%					-												1	
PMI041	Request for Quotation - Extra Length of PBSH PC24-P1, PC25-P3, PC26-P	0 0	``	20-Feb-20	30-Sep-23	0	100%																-		
PMI042	Request for Quotation - Extra Length of Pre-Bored Socketed H-Pile No	0 0		20-Feb-20	30-Sep-23	0	100%															-			
		0 0		26-Feb-20	· ·		100%																1		-
PMI043	Provision of Additional Computer Equipment				30-Sep-23	0																			
PMI044	Request for Quotation - Revised Details of Type D Semi-enclosure Noise Bar	0 0		04-Mar-20	30-Sep-23	0	100%																		
PMI045	Request for Quotation - Revised Drainage Details at Eastbound of D9 Road	0 0		28-Feb-20	30-Sep-23	0	100%					1									1				
PMI046	Request for Quotation - Additional Works for Laying Concrete Blocks on Top	0 0	0 017/08(7	03-Mar-20	30-Sep-23	0	100%																1		
PMI047	Laying of Cable Duct and Earthing Conductor at Portion III	0 0	0 017/08(7	10-Mar-20	30-Sep-23	0	100%																		
PMI048	Request for Quotation - Revised the Extent and Details of the Stem Wall for	0 0	0 017/08(7	13-Mar-20	30-Sep-23	0	100%																		
PMI049	Request for Quotation - Extra Length of Pre-Bored Socketed H-Pile	0 0	0 017/08(7	16-Mar-20	30-Sep-23	0	100%																		
PMI051	Request for Quotation - Extra Length of Pre-Bored Socketed H-Pile	0 0	0 017/08(7	22-Apr-20	30-Sep-23	0	100%																		
PMI052	Request for Quotation - Revised Drainage Details at Portion I and Western F	0 0		25-Apr-20	30-Sep-23	0	100%																		
PMI053	Request for Quotation - Uncharted Mass Concrete Conflict with Proposed PE	0 0	0 011100(1	04-May-20	30-Sep-23	0	100%			1															
		0 0	0 011100(1																		-				
PMI054	Request for Quotation - Low Noise Road Surfacing		0 011100(1	06-May-20	30-Sep-23	0	100%		<b>.</b>						8										
PMI055	Engaging a HOKLAS Laboratory for Impact Resistance Test and Heat Rever	0 0	0 011100(1	06-May-20	30-Sep-23	0	100%																		
PMI056	Request for Quotation - Additional E&M Facilities in the enclosed area under	0 0	0 017/08(7	07-May-2(	30-Sep-23	0	100%																		
PMI057	Request for Quotation - Extra Length of Pre-Bored Socketed H-Piles for Pile	0 0	0 017/08(7	20-May-20	30-Sep-23	0	100%																		
PMI058	Request for Quotation - Extra Length of Pre-Bored Socketed H-Piles for Pile	0 0	0 017/08(7	20-May-20	30-Sep-23	0	100%																1		
PMI059	Request for Quotation - Extra Length of Pre-Bored Socketed H-Pile No. PC2	0 0		20-May-20	30-Sep-23	0	100%															:			
PMI060	Additional Material Testing & Concrete Coring	0 0		08-Jun-20	30-Sep-23	0	100%		<b>t</b> ∦∷∦	+-	++			1+1	1-11-1										
PMI061	Request for Quotation - Revised Seawall Modification Works and Revision of	0 0		12-Jun-20	30-Sep-23	0	100%																		
			0 011/00(1																				:		
PMI062	Point Load Test for Proof Drilling Works of Pre-bored Socketed H-pile No. PC	0 0		10-Jul-20,	30-Sep-23	0	100%															1			
PMI063	Request for Quotation - Extra Length of Pre-Bored Socketed H-Piles	0 0		27-Jul-20	30-Sep-23	0	100%																1		
PMI064	Request for Quotation - Delay in PMMA Panel Production for Noise Barrier D	0 0	0 017/08(7	27-Jul-20	30-Sep-23	0	100%																		
PMI065	Engaging an Independent HOKLAS Accredited Laboratory for Testing of Sta	0 0	0 017/08(7	10-Aug-2(	30-Sep-23	0	100%																		
PMI066	Request for Quotation - Details for Abutment 2B	0 0	0 017/08(7	18-Aug-2(	30-Sep-23	0	100%																		
PMI067	Request for Quotation - Revised Fresh Water Main Layout and Details	0 0	0 017/08(7	27-Aug-2(	30-Sep-23	0	100%																		
PMI068	Request for Quotation - Cancellation of Preservation and Protection of Existi	0 0	· · · · ·	01-Sep-2(	30-Sep-23	0	100%														-				
	-	0 0			· ·		100%														-				
PMI069	Request for Quotation - Revised Power Cable Ducting Layout and Civil Provi		•	02-Sep-2(	30-Sep-23	0			<b>.</b>																
PMI070	Request for Quotation - Revised Details for Abutment 2A for the Installation c	0 0	0 011100(1	10-Sep-2(	30-Sep-23	0	100%																		
PMI071	Request for Quotation - Revised of U-Trough structure and Abutment 2B	0 0	0 017/08(7	06-Oct-20	30-Sep-23	0	100%																		
PMI072	Request for Quotation - Additional Lightning Protection System for Semi-enc	0 0	0 017/08(7	16-Sep-2(	30-Sep-23	0	100%			1															
PMI073	Removal of 5 nos. of Uncharted Trees at Wan O Road and Wan Po Road	0 0	0 017/08(7	16-Sep-2(	30-Sep-23	0	100%					-									-				
PMI074	Request for Quotation - Extra Length of PBSH No. PC72-P1 and PC79-P1 a	0 0	0 017/08(7	17-Sep-2(	30-Sep-23	0	100%																		
PMI075	Request for Quotation - Extra Length of PBSH at Lift and Staircase in Portio	0 0	0 017/08(7	17-Sep-2(	30-Sep-23	0	100%													i-					
PMI076	Request for Quotation - Extra Length of PBSH at Elevated Cycle Track in Po	0 0		17-Sep-2(	30-Sep-23	0	100%					1									-				
PMI077	Point Load Test for Proof Drill Hole no. PC9, 10-PD1	0 0	``	07-Oct-20	30-Sep-23	0	100%														-				
PMI078	Request for Quotation - Revised Drainage Details near Abutment 2A	° °	0 011100(1	16-Oct-20	30-Sep-23	0	100%																		
PMI079	Request for Quotation - Tropical Cyclone Warning Signal No. 8 on 19 August	0 0		22-Oct-20	30-Sep-23	0	100%		<b>.</b>											ļ					
PMI080	Engaging a HOKLAS Lab for Compression Tests of Concrete Cubes during	0 0	0 017/08(7	27-Oct-20	30-Sep-23	0	100% 02	0 to 2 ອີ Jເ	<b>1</b> /2020,	1										1					1
PMI081	Revised Landscape Details at Wan O Road and Wan Po Road	0 0	0 017/08(7	27-Oct-20	30-Sep-23	0	100%															i			
PMI082	Request for Quotation - Top Level of the Concrete Blocks for the Proposed \	0 0	0 017/08(7	04-Nov-20	30-Sep-23	0	100% rks	for Portic	dn II, II																
PMI083	Request for Quotation - Extra Length of PBSH at Lift and Staircase in Portio	0 0	0 017/08(7	04-Nov-20	30-Sep-23	0	100%																		
PMI084	Request for Quotation - Seawall Modification Works Along MTRCL Promenac	0 0	0 017/08(7	10-Nov-20	30-Sep-23	0	100%					1									-				
PMI085	Request for Quotation - Works affected by the Tropical Cyclone Warning Sig	0 0		13-Nov-20	30-Sep-23	0		on 11 O	dibber 202	<u></u>					******										
		0 0		19-Nov-20		0	100% the																		
PMI086	Request for Quotation - Revised the Type of Steel Vehicle Parapet and Tran				30-Sep-23																				
PMI087	Request for Quotation - Unexpected Rock Sample Retrieved from Interface (	0 0		24-Nov-20	30-Sep-23	0	100% e r		1																
PMI088	Request for Quotation - Revised Design for Lift Internal Panels and Door fror	0 0	0 017/08(7	25-Nov-20	30-Sep-23	0	100% l to	Glazing,	·	1		1								1	1	1			
PMI089	Request for Quotation - Revised Design for Lift Internal Panels and Door fror	0 0	0 017/08(7	25-Nov-20	30-Sep-23	0	100% l to	Glazing,																	
PMI090	Request for Quotation - Revised Drainage Details at Westbound of Road D9	0 0	0 017/08(7	02-Dec-20	30-Sep-23	0	100% oa	d,			T														
PMI091	Request for Quotation - Extra Length of Pre-Bored Socketed H-Pile at Wan (	0 0	0 017/08(7	04-Dec-20	30-Sep-23	0	100% tio	n II																	
PMI092	Request for Quotation - Additional Footpath Pavement Underneath Elevated	0 0	0 017/08(7	08-Jan-21	30-Sep-23	0	100% eck					1								1		1	:		
PMI093	Request for Quotation - Revision of M.J. Detail	0 0		11-Jan-21	30-Sep-23	0	100%														-		-		
PMI094	Removal of Uncharted Tree Nos. A0006 and A0008 at Wan O Road and Wa	0 0		14-Jan-21	30-Sep-23	0		Roat														-	-		
		· · ·	0 011100(1					, , , , , , , , , , , , , , , , , , ,	╂╢┊╌╢╶╌╴						<b>↓</b> -⊹ <b>↓</b>										·
PMI095	Request for Quotation - Revision of Interface Structure and Associated Detai			15-Jan-21	30-Sep-23	0	100%																í.		
PMI096	Request for Quotation - Clarification of Detail for Wall Opening	0 0		28-Jan-21	30-Sep-23	0	100%									1				1		1	÷		
PMI097	Request for Quotation - Revision of the Extent and Detail of Concrete Profile	0 0	0 017/08(7	28-Jan-21	30-Sep-23	0	100% file	Barrier,																	
PMI098	Engaging a HOKLAS Accredited Independent Laboratory for Testing of Gully	0 0	0 017/08(7	03-Feb-21	30-Sep-23	0	100% Gu	lly Forme	sup o Fe	bruary 2021	,														-
PMI099	Additional R.C. Corbel and Structural Steelwork Connection for Sign Gantry (	0 0	0 017/08(7	09-Feb-21	30-Sep-23	0	100% an			Signal at U													-		
PMI100	Request for Quotation - Conflict between Existing Manhole No. SMH404689	0 0		10-Feb-21	30-Sep-23	0				No. PC20 at		Deck,			1111			[							
PMI101	Point Load Test for Proof Drill Hole no. PD-1 at PC77	0 0		25-Feb-21	30-Sep-23	0	100%															1			
PMI102		0 0		31-Mar-21	30-Sep-23			to the F	811/1 Plant F	nom													1		
	Provision of Temporary Concrete Pavement at the Access to the E&M Plant											ntn ( - 1 + -											1		
PMI103	Request for Quotation - Update Details of Semi-Enclosed Noise Barrier and	0 0		13-Apr-21	30-Sep-23		100% clo			nd Shifting th				<b>4</b> ,									1		
PMI104	Request for Quotation - Additional TCSS Civil Provisions for Full Closure of C	0 0		14-Apr-21	30-Sep-23					f¢BL under		veather Co	onditions,		<b> </b>					Ļ					
PMI105	Risk Assessment for Lightning Protection System of the Semi-Enclosed Nois	0 0	0 017/08(7	22-Apr-21	30-Sep-23		100%1 0			l Noise Endo													1		
PMI106	Request for Quotation - Additional Civil Provisions of Lighting Pillar Box Foun	0 0	0 017/08(7	18-Jun-21	30-Sep-23		100% nal	Civ   Frov	<b>fsio</b> ns of L	ighting Pillar	Box Foun	dationand	Road Lig	ting Fo	undation							:			
PMI107	Engaging a HOKLAS Accredited Independent Laboratory for Testing of Prec	0 0	0 017/08(7	24-Jun-21	30-Sep-23					atory for Tes												:			-
PMI113	Acceleration for the access for C1	0 0		15-Dec-21	15-Dec-21	0	0%		LU: 31	Acceleration				í II							-		-		
quest for Inform		125 125	•			, in the second	570																1		
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Actual Level	of Effort			Contract N	o.: NE/2017/08	2									Date				Revi				Chec	ked	Арр
								1						08-	Mar-21	Mon	thly Pro	ogramn	ne Up	date (M	ar 2021)		TL		StL
Actual Work	summary	工程拓展	者	Cross Bay Lin	k, Tseung Kwa	an O									May-21			-			ay 2021)		CkT		StL
					0									- H K A	11-11-11	10/100								13	
Remaining M		Engineering	bac		A	ale -		1				-		00-1		INOIT		yıamı	ie opu		ay 202 1)				<u> </u>
Remaining W	Vork CEDD Civil	Engineering lopment Dep		Road D9 and	Associated Wo	orks			D	uil	4	1:.	-	08-	lul-21		-	-		date (Ju			CKT		StL





RFI001.SUB     Subm       RFI001REP     Reply       RFI002.SUB     Subm       RFI002.SUB10     Reply       RFI006.SUB     Subm       RFI006.SUB     Subm       RFI006.SUB     Subm       RFI001REP     Reply       RFI010REP     Reply       RFI011.SUB     Subm       RFI011.SUB     Subm       RFI011.SUB     Subm       RFI011.SUB     Subm       RFI011.SUB     Subm       RFI013.SUB     Subm       RFI016.SUB     Subm       RFI016.SUB     Subm       RFI016.SUB     Subm       RFI025.SUB     Subm       RFI025.SUB     Subm       PREL1010     1st In       PREL1010     1st In       PREL1010     1st In       PREL1030     Trees       PREL1030     Gene       PREL1030     Gene       PREL1030     Gene       PREL1130-02     Samp       PREL1110     Istall   <	ctivity Name ubmission of RFI001 - Discrepancy between the Seawall Finished Ground I leply on RFI001 - Discrepancy between the Seawall Finished Ground Level ubmission of RFI002 - Top Level of Pile Cap for the Elevated Section ubmission of RFI006 - Confirmation of Top Level of Pile Caps and Pile Caps leply on RFI006 - Confirmation of Top Level of Pile Caps and Pile Caps of A ubmission of RFI010 - Confirmation of Top Level of Pile Caps and Pile Caps of A ubmission of RFI010 - Confirmation of Top Level of Pile Caps at Lift Shaft leply on RFI010 - Confirmation of Top Level of Pile Caps at Lift Shaft ubmission of RFI011 - Confirmation of Top Level of Pile Caps at Lift Shaft ubmission of RFI011 - Confirmation of Top Level of Pile Caps at Cycle Ram leply on RFI012 - Confirmation of Top Level of Pile Caps at Cycle Ram leply on RFI012 - Confirmation of Top Level of Pile Caps at AL-Grade F leply on RFI013 - Cid Line Origin ubmission of RFI013 - Cid Line Origin leply on RFI013 - Gid Line Origin leply on RFI016 - Unexpected Tree at Wan O Road leply on RFI016 - Unexpected Tree at Wan O Road leply on RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Ground Settlement Monitoring Points at MTRC's Development F rection of Contractor Site Office lead to dubinision of Ground Settlement Monitoring Points at MTRC's Development F rection of Chain Link Fence and Gates at MTRC's Development Area rec-Construction Condition Survey listellation of Monitoring on Existing Structure/ Buildings/Utilities construction of Monitoring On Existing Structure/ Buildings/Utilities construction of Menel Washing System (CE005, 007, 009) at Delevery of Steel Material for Fabrication of Structural Members at Pre-f lead and Ple Caps Structural Steels for Pre-fabrication of Nois	Duration         Duration           0         0           1093         2           1093         2           1093         2           1093         2           1093         2           1093         2           1093         2           1093         2           1093         2           1093         2           1093         2           1093         2           1093         2 </th <th>Duration         Duration           0         0         0           17         0         0           12         0         0           13         0         0</th> <th>0         317/08(7         24-Dec-18 A           0         317/08(7         24-Dec-18 A           0         317/08(7         24-Dec-18 A           0         317/08(7         24-Jan-19 A           0         317/08(7         24-Jan-19 A           0         317/08(7         01-Feb-19 A           0         317/08(7         01-Feb-19 A           0         317/08(7         04-Feb-19 A           0         317/08(7         04-Feb-19 A           0         317/08(7         04-Feb-19 A           0         317/08(7         08-Feb-19 A           0         317/08(7         06-May-19 A     <th>25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-19 16-Feb-19 16-Apr-19</th><th>27-Aug-21 18-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 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RFI001REP         Reply           RFI002.SUB         Subm           RFI002.SUB10         Reply           RFI006.SUB         Subm           RFI006.SUB         Subm           RFI010.SUB         Subm           RFI010.SUB         Subm           RFI010.SUB         Subm           RFI010.SUB         Subm           RFI010.SUB         Subm           RFI011REP         Reply           RFI012.SUB         Subm           RFI012.REP         Reply           RFI013.SUB         Subm           RFI013.REP         Reply           RFI013.REP         Reply           RFI02.SUB         Subm           RFI02.REP         Reply           RFI02.SUB         Subm           RFI02.SUB         S	eply on RFI001 - Discrepancy between the Seawall Finished Ground Level ubmission of RFI002 - Top Level of Pile Cap for the Elevated Section ubmission of RFI002 - Top Level of Pile Cap for the Elevated Section ubmission of RFI006 - Confirmation of Top Level of Pile Caps and Pile Cap and Pile Caps and Pile Caps of A ubmission of RFI010 - Confirmation of Top Level of Pile Caps at Lift Shaft teply on RFI010 - Confirmation of Top Level of Pile Caps at Lift Shaft ubmission of RFI011 - Confirmation of Top Level of Pile Caps at Cycle Ram teply on RFI011 - Confirmation of Top Level of Pile Caps at Cycle Ram teply on RFI012 - Confirmation of Top Level of Pile Caps at At-Grade F teply on RFI012 - Confirmation of Top Level of Pile Caps at At-Grade F teply on RFI013 - Grid Line Origin ubmission of RFI025 - Cycle Track Ramp Portion Ground Level teply on RFI025 - Cycle Track Ramp Portion Ground Level teply on RFI025 - Cycle Track Ramp Portion Ground Level teply on RFI025 - Cycle Track Ramp Portion Ground Level teply on RFI025 - Cycle Track Ramp Portion Ground Level teply on RFI025 - Cycle Track Ramp Portion Ground Level teply on RFI025 - Cycle Track Ramp Portion Ground Level tepl stallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Devel stallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Devel stallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Development F rection of Contractor Site Office eneral Site Clearance (Tree Feling, Formation of Tempoary Working Access rection of Chain Link Fence and Gates at MTRC's Development Area tre-Construction Condition Survey istallation of Minitoring on Existing Structure/ Buildings/Utilities ionstruction of Minel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-f: ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	0           1093           2           7           1093           2           7           7           28           20           74           26           30           15           28           6           22	0     0       17     0       28     0       0     0       15     0	0         117/08(7           0         117/08(7           24-Dec-18 A           0         117/08(7           24-Jan-19 A           0         117/08(7           0         117/08(8           0         117/08(8           0         117/08(8           0	14-Mar-19         07-Mar-19         04-Mar-19         04-Mar-19         04-Mar-19         04-Mar-19         03-Mar-19         13-Mar-19         13-Mar-19         25-Jul-22         25-Jul-22         15-Dec-18         20-Nov-18         28-Nov-18         04-Dec-18         16-Feb-19         16-Feb-19         16-Apr-19	27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23	0           353           363           0 <th>100% 100% 100% 100% 100% 100% 100% 100%</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th><b>7</b> 25-Jul-22,</th> <th>, Constructic</th> <th>ion Works</th> <th></th> <th></th> <th></th> <th></th> <th></th>	100% 100% 100% 100% 100% 100% 100% 100%								<b>7</b> 25-Jul-22,	, Constructic	ion Works					
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Top Level of Pile Cap for the Elevated Section         ubmission of RF1006 - Confirmation of Top Level of Pile Caps and Pile Caps of A         ubmission of RF1010 - Confirmation of Top Level of Pile Caps and Pile Caps of A         ubmission of RF1010 - Confirmation of Top Level of Pile Caps at Lift Shaft         upply on RF1010 - Confirmation of Top Level of Pile Caps at Lift Shaft         ubmission of RF1011 - Confirmation of Top Level of Pile Caps at Cycle Ram         toply on RF1012 - Confirmation of Top Level of Pile Caps at Cycle Ram         ubmission of RF1011 - Confirmation of Top Level of Pile Caps at Cycle Ram         ubmission of RF1012 - Confirmation of Top Level of Pile Caps at Cycle Ram         ubmission of RF1013 - Confirmation of Top Level of Pile Caps at At-Grade F         toply on RF1013 - Grid Line Origin         ubmission of RF1016 - Unexpected Tree at Wan O Road         ubmission of RF1016 - Unexpected Tree at Wan O Road         ubmission of RF1025 - Cycle Track Ramp Portion Ground Level         teply on RF1025 - Cycle Track Ramp Portion Ground Level         teply on RF1025 - Cycle Track Ramp Portion Ground Level         titlal Survey         titlal Survey</td> <td>0       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       301       101       102       2       1030       1030    <t< td=""><td>0     0       0</td></t<><td>0         117/08(6           0         117/08(7           24-Jan-19 A           0         117/08(7           0         117/08(8           0         117/08(8           0         117/08(6           0         117/08(6           0         117/08(6           0         117/08(6           0         117/08(6</td><td>07-Mar-19 04-Mar-19 04-Mar-19 04-Mar-19 03-Mar-19 03-Mar-19 13-Mar-19 31-May-19 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-19 16-Feb-19 16-Apr-19</td><td>27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23</td><td>27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>100% 100% 100% 100% 100% 100% 100% 100%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	teply on RF1002 - 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Cycle Track Ramp Portion Ground Level         teply on RF1025 - Cycle Track Ramp Portion Ground Level         titlal Survey	0       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       2       1093       301       101       102       2       1030       1030 <t< td=""><td>0     0       0</td></t<> <td>0         117/08(6           0         117/08(7           24-Jan-19 A           0         117/08(7           0         117/08(8           0         117/08(8           0         117/08(6           0         117/08(6           0         117/08(6           0         117/08(6           0         117/08(6</td> <td>07-Mar-19 04-Mar-19 04-Mar-19 04-Mar-19 03-Mar-19 03-Mar-19 13-Mar-19 31-May-19 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-19 16-Feb-19 16-Apr-19</td> <td>27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23</td> <td>27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>100% 100% 100% 100% 100% 100% 100% 100%</td> <td></td>	0     0       0	0         117/08(6           0         117/08(7           24-Jan-19 A           0         117/08(7           0         117/08(8           0         117/08(8           0         117/08(6           0         117/08(6           0         117/08(6           0         117/08(6           0         117/08(6	07-Mar-19 04-Mar-19 04-Mar-19 04-Mar-19 03-Mar-19 03-Mar-19 13-Mar-19 31-May-19 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-19 16-Feb-19 16-Apr-19	27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%															
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Confirmation of Top Level of Pile Caps at At-Grade F leply on RFI012 - Confirmation of Top Level of Pile Caps at At-Grade Road ubmission of RFI013 - Grid Line Origin ubmission of RFI013 - Grid Line Origin ubmission of RFI016 - Unexpected Tree at Wan O Road leply on RFI016 - Unexpected Tree at Wan O Road ubmission of RFI0125 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level leply on Ground Safety Audit Scheme Audit itital Survey titital Hydrographic Survey ree Survey titites Detection and Trial Pit at MTRC's Development Area Istallation of Ground Settlement Moniroring Points at MTRC's Devel Istallation of Ground Settlement Moniroring Points at MTRC's Development F rection of Chain Link Fence and Gates at MTRC's Development Area re-Construction Condition Survey istallation of Monitoring on Existing Structure/ Buildings/Utilities ionstruction of Meel Washing Facilities ionstruction of Meel Washing System (CE005, 007, 009) at Delivery of Steel Material for Fabrication of Structural Members at Pre-fa ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	0           1093           2           7           7           7           7           7           28           20           74           26           30           15           28           6           22	0         0           17         0           12         0           13         0           15         0	0         117/08(7         01-Feb-19 A           0         117/08(7         04-Feb-19 A           0         117/08(7         04-Feb-19 A           0         117/08(7         04-Feb-19 A           0         117/08(7         04-Feb-19 A           0         117/08(7         08-Feb-19 A           0         117/08(7         08-Feb-19 A           0         117/08(7         06-May-19 A           0         117/08(7         06-May-19 A           0         117/08(7         06-May-18 A           0         117/08(6         14-Dec-18 A           0         117/08(6         14-Nov-18 A           0         117/08(6         14-Nov-18 A           0         117/08(6         14-Nov-18 A           0         117/08(6         14-Nov-18 A           0         117/08(6         17-Nov-18 A           0         117/08(6         17-Nov-18 A           0         117/08(6         17-Nov-18 A           0         117/08(6         12-Jan-19 A           0         117/08(6         12-Jan-19 A           0         117/08(6         12-Jan-19 A           0         117/08(6         12-Jan-19 A <td>04-Mar-19 04-Mar-19 04-Mar-19 03-Mar-19 03-Mar-19 13-Mar-19 31-May-15 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 28-Nov-18 04-Dec-18 16-Feb-15 16-Feb-15 14-Mar-19 16-Apr-19</td> <td>27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23</td> <td>27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>100% 100% 100% 100% 100% 100% 100% 100%</td> <td></td>	04-Mar-19 04-Mar-19 04-Mar-19 03-Mar-19 03-Mar-19 13-Mar-19 31-May-15 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 28-Nov-18 04-Dec-18 16-Feb-15 16-Feb-15 14-Mar-19 16-Apr-19	27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%															
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RFI011REP         Reply           RFI012.SUB         Subm           RFI012.REP         Reply           RFI013.SUB         Subm           RFI013.SUB         Subm           RFI013.REP         Reply           RFI016.SUB         Subm           RFI016.SUB         Subm           RFI016.SUB         Subm           RFI025.SUB         Subm           RFI025.REP         Reply           PREL1010         1st Im           PREL1015         Initial           PREL1016         Istial           PREL1030         Utilitia           PREL1035         Initial           PREL1036         Gene           PREL1037         Install           PREL1038         Const           PREL1030         Gene           PREL1031         Install           PREL1032         Gene           PREL1030         Gene           PREL1031         Install           PREL1032         Gene           PREL1130-12         Eabrid           PREL1130-22         Delive           PREL1130-22         Delive           PREL1130-32         Fabrid           PREL1130-42	teply on RFI011 - Confirmation of Top Level of Pile Caps at Cycle Ramp         ubmission of RFI012 - Confirmation of Top Level of Pile Caps at At-Grade F         teply on RFI013 - Crid Line Origin         teply on RFI013 - Grid Line Origin         ubmission of RFI013 - Grid Line Origin         ubmission of RFI013 - Grid Line Origin         ubmission of RFI016 - Unexpected Tree at Wan O Road         teply on RFI016 - Unexpected Tree at Wan O Road         ubmission of RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on Ground Settlement Monitoring Points at MTRC's Development FreeStallation of	0           1093           8           0           7           7           37           28           20           74           26           30           15           28           6           22	0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           10         0           117         0           128         0           115         0           28         0	0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(6           13-Nov-18 A           0         317/08(6           13-Nov-18 A           0         317/08(6           13-Nov-18 A           0         317/08(6           17/08(6         31-Nov-18 A           0         317/08(6           17/08(6         12-Jan-19 A           0         317/08(6           12-Jan-19 A           0         317/08(6           12-Jan-19 A           17/08(6	04-Mar-19 03-Mar-19 13-Mar-19 31-May-15 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-15 16-Feb-15 14-Mar-19 16-Apr-19	27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%															
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Grid Line Origin leply on RFI013 - Grid Line Origin ubmission of RFI016 - Unexpected Tree at Wan O Road leply on RFI016 - Unexpected Tree at Wan O Road ubmission of RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level st Independent Safety Audit Scheme Audit titial Survey titial Hydrographic Survey ree Survey titiles Detection and Trial Pit at MTRC's Development Area istallation of Utilities/ Ground Settlement Monitoring Points at MTRC's Devel istallation of Ground Settlement Monitoring Points at MTRC's Devel istallation of Ground Settlement Monitoring Points at MTRC's Devel istallation of Ground Settlement Monitoring Points at MTRC bevelopment F rection of Contractor Site Office Recensel Site Clearance (Tree Feling, Formation of Tempoary Working Access rection of Chain Link Fence and Gates at MTRC's Development Area tre-Construction Condition Survey istallation of Monitoring on Existing Structure/ Buildings/Utilities construction of Temporary Wheel Washing Facilities construction of Meel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fa ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	0           0           0           0           0           1093           2           7           7           7           37           28           20           74           26           30           15           28           6           22	0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           17         0           17         0           36         0           30         0           15         0	0         117/08(7         08-Feb-19A           0         117/08(7         16-Feb-19A           0         117/08(7         16-Feb-19A           0         117/08(7         06-May-19A           0         117/08(7         06-May-19A           0         117/08(7         13-Nov-18A           0         117/08(6         14-Dec-18A           0         117/08(6         14-Nov-18A           0         117/08(6         21-Nov-18A           0         117/08(6         17-Jan-19A           0         117/08(6         12-Jan-19A           0         117/08(6         12-Jan-19A <td< td=""><td>03-Mar-19           13-Mar-19           31-May-11           25-Jul-22           25-Jul-22           15-Dec-18           20-Nov-18           28-Nov-18           04-Dec-18           16-Feb-19           16-Apr-19           16-Apr-19</td><td>27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23</td><td>27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23</td><td>0 0 0 0 353 363 0 0 0 0 0 0 0 0</td><td>100% 100% 100% 100% 100% 100% 100% 100%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	03-Mar-19           13-Mar-19           31-May-11           25-Jul-22           25-Jul-22           15-Dec-18           20-Nov-18           28-Nov-18           04-Dec-18           16-Feb-19           16-Apr-19           16-Apr-19	27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23	0 0 0 0 353 363 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%															
RFI013REP     Reply       RFI016.SUB     Subm       RFI016REP     Reply       RFI025.SUB     Subm       RFI025.SUB     Subm       RFI025.SUB     Subm       PREL1010     1st Intial       PREL1010     1st Intial       PREL1017     Initial       PREL1030     Utilitie       PREL1031     Install       PREL1032     Gene       PREL1100     PreC       PREL1110     Install       PREL1110     Install       PREL1110     Install       PREL1110     Install       PREL1110     Install       PREL1110     Install       PREL1130-01     Late I       PREL1130-12     Fabric       PREL1130-22     Delive       PREL1130-42     Delive       PREL1130-62     Delive	teply on RFI013 - Grid Line Origin         ubmission of RFI016 - Unexpected Tree at Wan O Road         teply on RFI016 - Unexpected Tree at Wan O Road         ubmission of RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         tiltia Survey         tiltial Survey         tiltial Survey         tiltial Survey         tiltides Detection and Trial Pit at MTRC's Development Area         testallation of Ground Settlement Monitoring Points at MTRC's Development F         rection of Contractor Site Office         terection of Chain Link Fence and Gates at MTRC's Development Area         tre-Construction Condition Survey         stallation of Monitoring on Existing Structure/ Buildings/Utilities         testallation of Monitoring on Existing Structure/ Buildings/Utilities         tonstruction of Theorary Wheel Washing Facilities         tonstruction of Wheel Washing System (CE005, 007, 009)         at Delivery of Steel Material for Fabrication of Structural Members at Pre-fa	0           0           0           0           1093           2           7           7           7           28           20           74           26           30           15           28           6           22	0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           2         0           7         0           24         0           76         0           30         0           15         0           28         0	0         117/08(7           0         117/08(7           0         117/08(7           0         117/08(7           0         117/08(7           0         117/08(7           0         117/08(7           0         117/08(7           0         117/08(6           13-Nov-18 A           0         117/08(6           14-Dec-18 A           0         117/08(6           0         117/08(6           0         117/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08(6           0         17/08	31-May-19 31-May-19 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-19 16-Feb-19 14-Mar-19 16-Apr-19	27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23	0 0 0 353 353 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%															
RFI016.SUB     Subm       RFI016REP     Reply       RFI025.SUB     Subm       RFI025REP     Reply       Postiminaries     Initial       PREL1010     1st In       PREL1015     Initial       PREL1020     Tree S       PREL1035     Install       PREL1036     Gene       PREL1037     Install       PREL1038     Fred       PREL1039     Utilitie       PREL1030     Utilitie       PREL1031     Install       PREL1032     Gene       PREL1040     Erection       PREL1050     Gene       PREL1105     Consting       PREL1100     PreC       PREL1110     Install       PREL1130-21     Eabrid       PREL1130-22     Delive       PREL1130-32     Fabrid       PREL1130-42     Delive       PREL1130-52     Fabrid       PREL1130-52     Pabrid       PREL1130-52     Delive       PREL1130-52     Delive <td>ubmission of RFI016 - Unexpected Tree at Wan O Road leply on RFI016 - Unexpected Tree at Wan O Road ubmission of RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level stallation Safety Audit Scheme Audit itital Survey tiltia Hydrographic Survey ree Survey tilties Detection and Trial Pit at MTRC's Development Area istallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Devel istallation of Contractor Site Office ieneral Site Clearance (Tree FeIng, Formation of Tempoary Working Acces rection of Chain Link Fence and Gates at MTRC's Development Area re-Construction Condition Survey istallation of Monitoring on Exisiting Structure/ Buildings/Utilities ionstruction of Temporary Wheel Washing Facilities ionstruction of Meel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fi ample Selection and Testing for Structural Steels for Pre-fabrication of Nois</td> <td>0           0           0           0           1093           2           7           7           7           7           28           20           74           26           30           15           28           6           22</td> <td>0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           2         0           7         0           24         0           76         0           30         0           15         0           28         0</td> <td>0         117/08(7         16-Feb-19A           0         117/08(7         06-May-19A           0         117/08(7         06-May-19A           0         117/08(7         13-Nov-18A           0         117/08(6         14-Dec-18A           0         117/08(6         14-Dec-18A           0         117/08(6         14-Nov-18A           0         117/08(6         14-Nov-18A           0         117/08(6         14-Nov-18A           0         117/08(6         17-Nov-18A           0         117/08(6         17-Jan-19A           0         117/08(6         12-Jan-19A           <td< td=""><td>31-May-19 31-May-19 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-19 16-Feb-19 14-Mar-19 16-Apr-19</td><td>27-Aug-21 27-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23</td><td>27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23</td><td>0 0 0 353 353 0 0 0 0 0 0</td><td>100% 100% 100% 100% 100% 100% 100%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<></td>	ubmission of RFI016 - Unexpected Tree at Wan O Road leply on RFI016 - Unexpected Tree at Wan O Road ubmission of RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level stallation Safety Audit Scheme Audit itital Survey tiltia Hydrographic Survey ree Survey tilties Detection and Trial Pit at MTRC's Development Area istallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Devel istallation of Contractor Site Office ieneral Site Clearance (Tree FeIng, Formation of Tempoary Working Acces rection of Chain Link Fence and Gates at MTRC's Development Area re-Construction Condition Survey istallation of Monitoring on Exisiting Structure/ Buildings/Utilities ionstruction of Temporary Wheel Washing Facilities ionstruction of Meel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fi ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	0           0           0           0           1093           2           7           7           7           7           28           20           74           26           30           15           28           6           22	0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           2         0           7         0           24         0           76         0           30         0           15         0           28         0	0         117/08(7         16-Feb-19A           0         117/08(7         06-May-19A           0         117/08(7         06-May-19A           0         117/08(7         13-Nov-18A           0         117/08(6         14-Dec-18A           0         117/08(6         14-Dec-18A           0         117/08(6         14-Nov-18A           0         117/08(6         14-Nov-18A           0         117/08(6         14-Nov-18A           0         117/08(6         17-Nov-18A           0         117/08(6         17-Jan-19A           0         117/08(6         12-Jan-19A           0         117/08(6         12-Jan-19A <td< td=""><td>31-May-19 31-May-19 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-19 16-Feb-19 14-Mar-19 16-Apr-19</td><td>27-Aug-21 27-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23</td><td>27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23</td><td>0 0 0 353 353 0 0 0 0 0 0</td><td>100% 100% 100% 100% 100% 100% 100%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	31-May-19 31-May-19 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-19 16-Feb-19 14-Mar-19 16-Apr-19	27-Aug-21 27-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23	0 0 0 353 353 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100%															
RFI016REP     Reply       RFI025.SUB     Subm       RFI025REP     Reply       Prostruction Works     Preply       PREL1010     1st In       PREL1010     1st In       PREL1010     1st In       PREL1010     1st In       PREL1015     Initial       PREL1030     Tree 3       PREL1030     Utilitie       PREL1030     Erection       PREL1030     Gene       PREL1040     Erection       PREL1050     Gene       PREL1010     Prection       PREL1100     Prection       PREL1110     Install       PREL1110     Install       PREL1110     Erection       PREL1110     Samp       PREL1130-02     Samp       PREL1130-12     Fabric       PREL1130-22     Delive       PREL1130-32     Fabric       PREL1130-42     Delive       PREL1130-52     Fabric       PREL1130-62     Delive       PREL1140-01     Fabric       PREL1140-21     Delive	teply on RFI016 - Unexpected Tree at Wan O Road         ubmission of RFI025 - Cycle Track Ramp Portion Ground Level         teply on RFI025 - Cycle Track Ramp Portion Ground Level         st Independent Safety Audit Scheme Audit         titlal Survey         titlal Hydrographic Survey         ree Survey         titlises Detection and Trial Pit at MTRC's Development Area         stallation of Otbilities/ Ground Settlement Moniroting Points at MTRC's Development F         rection of Contractor Site Office         ieredian Site Clearance (Tree Feling, Formation of Tempoary Working Acces         rection of Chain Link Fence and Gates at MTRC's Development Area         tre-Construction Condition Survey         stallation of Monitoring on Existing Structure/ Buildings/Utilities         tonstruction of Temporary Wheel Washing Facilities         tonstruction of Weel Washing System (CE005, 007, 009)         ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fit	0           0           0           1093           2           7           7           7           20           74           26           30           115           28           6           22	0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           17         0           16         0           30         0           15         0           28         0	0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(7           0         317/08(6           0         317/08(6           0         317/08(6           0         317/08(6           0         317/08(6           0         317/08(6           0         317/08(6           0         317/08(6           0         317/08(6           0         317/08(6           0         317/08(6           0         317/08(6           17-Non-18 A           0         317/08(6           17-Non-18 A           0         317/08(6           17/08(6         12-Jan-19 A           0         317/08(6           12-Jan-19 A           0         317/08(6           12-Jan-19 A           0         317/08(6           14-Jan-19 A           0         317/08(6           14-Jan-19 A           0         317/08(6           14-Jan-19 A           0	31-May-15 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-15 16-Feb-15 14-Mar-19 16-Apr-19	27-Aug-21 27-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23	0 0 353 353 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100%															
RFI025.SUB     Subm       RFI025REP     Reply       Construction Works     Preliminaries       PREL1010     1st In       PREL1015     Initial       PREL1010     1st Intial       PREL1015     Initial       PREL1015     Initial       PREL1030     Utilitie       PREL1035     Install       PREL1036     Gene       PREL1037     Install       PREL1036     Gene       PREL1037     Install       PREL1030     Const       PREL1110     Prect       PREL1110     Install       PREL1120     Const       PREL1130-02     Samp       PREL1130-12     Pabric       PREL1130-22     Delive       PREL1130-32     Fabric       PREL1130-32     Fabric       PREL1130-42     Delive       PREL1130-52     Pabric       PREL1130-52     Delive       PREL1130-62     Delive       PREL1140-01     Fabric       PREL1140-21     Delive	ubmission of RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level st Independent Safety Audit Scheme Audit itilal Survey itilal Hydrographic Survey ree Survey litilar Detection and Trial Pit at MTRC's Development Area Istallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Devel Istallation of Ground Settlement Monitoring Points at MTRC's Development F rection of Contractor Site Office Istallation of Contractor Site Office Istallation of Monitoring on Existing Structure/ Buildings/Utilities forstruction Condition Survey Istallation of Monitoring on Existing Structure/ Buildings/Utilities forstruction of Temporary Wheel Washing Facilities forstruction of Weel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fi ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	0           00           1093         8           2         7           7         7           77         28           20         74           26         30           115         28           28         6           22         23	0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           2         0           7         0           24         0           17         0           36         0           30         0           15         0           28         0	0         171/08(7)         06-May-19 A           0         171/08(7)         13-Nov-18 A           0         171/08(6)         14-Dec-18 A           0         117/08(6)         14-Dec-18 A           0         117/08(6)         13-Nov-18 A           0         117/08(6)         13-Nov-18 A           0         117/08(6)         13-Nov-18 A           0         117/08(6)         21-Nov-18 A           0         117/08(6)         17-Jan-19A           0         17/08(6)         12-Jan-19A           0         117/08(6)         12-Jan-19A	31-May-15 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-15 16-Feb-15 14-Mar-19 16-Apr-19	27-Aug-21 18-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23	0 0 353 353 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100%															
RFI025.SUB     Subm       RFI025REP     Reply       Construction Works     Preliminaries       PREL1010     1st In       PREL1015     Initial       PREL1010     1st Intial       PREL1015     Initial       PREL1015     Initial       PREL1030     Utilitie       PREL1035     Install       PREL1036     Gene       PREL1037     Install       PREL1036     Gene       PREL1037     Install       PREL1030     Const       PREL1110     Prect       PREL1110     Install       PREL1120     Const       PREL1130-02     Samp       PREL1130-12     Pabric       PREL1130-22     Delive       PREL1130-32     Fabric       PREL1130-32     Fabric       PREL1130-42     Delive       PREL1130-52     Pabric       PREL1130-52     Delive       PREL1130-62     Delive       PREL1140-01     Fabric       PREL1140-21     Delive	ubmission of RFI025 - Cycle Track Ramp Portion Ground Level leply on RFI025 - Cycle Track Ramp Portion Ground Level st Independent Safety Audit Scheme Audit itilal Survey itilal Hydrographic Survey ree Survey litilar Detection and Trial Pit at MTRC's Development Area Istallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Devel Istallation of Ground Settlement Monitoring Points at MTRC's Development F rection of Contractor Site Office Istallation of Contractor Site Office Istallation of Monitoring on Existing Structure/ Buildings/Utilities forstruction Condition Survey Istallation of Monitoring on Existing Structure/ Buildings/Utilities forstruction of Temporary Wheel Washing Facilities forstruction of Weel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fi ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	0         8           1093         8           1093         8           2         7           7         7           37         28           20         74           26         30           15         28           6         22	0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           7         0           7         0           24         0           17         0           36         0           30         0           15         0           28         0	0         171/08(7)         06-May-19 A           0         171/08(7)         13-Nov-18 A           0         171/08(6)         14-Dec-18 A           0         117/08(6)         14-Dec-18 A           0         117/08(6)         13-Nov-18 A           0         117/08(6)         13-Nov-18 A           0         117/08(6)         13-Nov-18 A           0         117/08(6)         21-Nov-18 A           0         117/08(6)         17-Jan-19A           0         17/08(6)         12-Jan-19A           0         117/08(6)         12-Jan-19A	31-May-15 25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-15 16-Feb-15 14-Mar-19 16-Apr-19	27-Aug-21 18-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23	0 353 353 0 0 0 0 0 0 0	100% 100% 100% 100% 100%															
RFI025REP     Reply       PRELTI30     1st Im       PREL1010     1st Im       PREL1015     Initial       PREL1017     Initial       PREL1030     Tires 3       PREL1030     Utilitial       PREL1030     Gene       PREL1037     Install       PREL1036     Gene       PREL1037     Install       PREL1038     Gene       PREL1040     Erecti       PREL1050     Gene       PREL1100     Prect       PREL1100     Prect       PREL1110     Install       PREL1120     Const       PREL1130-12     Fabric       PREL1130-22     Delive       PREL1130-32     Fabric       PREL1130-42     Delive       PREL1130-52     Pabric       PREL1130-62     Delive       PREL1140-01     Fabric       PREL1140-21     Delive	keply on RFI025 - Cycle Track Ramp Portion Ground Level         st Independent Safety Audit Scheme Audit         titial Survey         titial Survey         titial Hydrographic Survey         ree Survey         tilities Detection and Trial Pit at MTRC's Development Area         stallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Development F         rection of Contractor Site Office         ieneral Site Clearance (Tree Feling, Formation of Tempoary Working Acces         rection of Chain Link Fence and Gates at MTRC's Development Area         re-Construction Condition Survey         stallation of Monitoring on Existing Structure/ Buildings/Utilities         fonstruction of Meel Washing Facilities         onstruction of Wheel Washing System (CE005, 007, 009)         ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fic         ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	0         8           1093         8           1093         8           2         7           7         7           37         28           20         74           26         30           15         28           6         22	0         0           888         200           888         200           884         200           7         0           7         0           7         0           24         0           17         0           36         0           30         0           15         0           28         0	0         D17/08(7           29         13-Nov-18 A           0         D17/08(6         14-Dec-18 A           0         D17/08(6         13-Nov-18 A           0         D17/08(6         13-Nov-18 A           0         D17/08(6         13-Nov-18 A           0         D17/08(6         21-Nov-18 A           0         D17/08(6         21-Nov-18 A           0         D17/08(6         17-Jan-19 A           0         D17/08(6         12-Jan-19 A           0         D17/08(6         23-Feb-19 A           0         D17/08(6         22-Jan-19 A           0         D17/08(6         22-Jan-19 A           0         D17/08(6         27-Dec-18 A	25-Jul-22 25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-19 16-Feb-19 16-Apr-19	18-Aug-21 27-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	30-Sep-23           30-Sep-23           30-Sep-23           27-Aug-21           27-Aug-21           27-Aug-21           30-Sep-23           30-Sep-23	0 353 353 0 0 0 0 0 0 0	100% 100% 100% 100% 100%															
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16-Feb-19 16-Apr-19</td> <td>27-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23</td> <td>30-Sep-23           30-Sep-23           30-Sep-23           27-Aug-21           27-Aug-21           27-Aug-21           30-Sep-23           30-Sep-23</td> <td>353           353           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0</td> <td>100% 100% 100% 100%</td> <td></td>	st Independent Safety Audit Scheme Audit itial Survey itial Hydrographic Survey ree Survey tilities Detection and Trial Pit at MTRC's Development Area istallation of Utilities' Ground Settlement Moniroting Points at MTRC's Devel istallation of Ground Settlement Moniroting Points at MTRC's Devel istallation of Ground Settlement Monitoring Points at MTRC Development F rection of Contractor Site Office iseneral Site Clearance (Tree Feling, Formation of Tempoary Working Access 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Preliminaries         PREL1010       1st hu         PREL1015       Initial         PREL1017       Initial         PREL1017       Initial         PREL1020       Tree 3         PREL1030       Utilitie         PREL1031       Install         PREL1035       Install         PREL1040       Erecti         PREL1050       Gene         PREL1070       Erecti         PREL1070       Erecti         PREL1110       Install         PREL1110       Erecti         PREL1110       Samp         PREL1130-01       Late I         PREL1130-12       Fabric         PREL1130-22       Delive         PREL1130-32       Fabric         PREL1130-42       Delive         PREL1130-52       Fabric         PREL1130-62       Delive         PREL1140-01       Fabric         PREL1140-21       Delive	itial Survey itial Hydrographic Survey ree Survey tilities Detection and Trial Pit at MTRC's Development Area stallation of Utilities/ Ground Settlement Monitoring Points at MTRC's Devel stallation of Ground Settlement Monitoring Points at MTRC's Development F rection of Contractor Site Office eneral Site Clearance (Tree Feling, Formation of Tempoary Working Acces rection of Chain Link Fence and Gates at MTRC's Development Area rec-Construction Condition Survey stallation of Monitoring on Existing Structure/ Buildings/Utilities tonstruction of Temporary Wheel Washing Facilities tonstruction of Wheel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fa ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	1093         8           2         -           7         -           7         -           37         -           28         -           20         -           74         -           26         -           30         -           15         -           28         -           6         -           22         -	2     0       7     0       7     0       24     0       28     0       17     0       36     0       30     0       15     0       28     0	13-Niov-18 A           0         117/08(6         14-Dec-18 A           0         117/08(6         13-Nov-18 A           0         117/08(6         21-Nov-18 A           0         117/08(6         21-Nov-18 A           0         117/08(6         21-Nov-18 A           0         117/08(6         27-Nov-18 A           0         117/08(6         17-Jan-19 A           0         117/08(6         12-Jan-19 A           0         117/08(6         23-Feb-19 A           0         117/08(6         14-Jan-19 A           0         117/08(6         02-Jan-19 A	25-Jul-22 15-Dec-18 20-Nov-18 28-Nov-18 04-Dec-18 16-Feb-19 16-Feb-19 16-Apr-19	27-Aug-21 30-Sep-23 27-Aug-21 27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	30-Sep-23           30-Sep-23           27-Aug-21           27-Aug-21           27-Aug-21           30-Sep-23           30-Sep-23	353 0 0 0 0 0 0	100% 100% 100%															
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PREL1017         Initial           PREL1020         Tree 3           PREL1030         Utilitie           PREL1035         Install           PREL1037         Install           PREL1040         Erecti           PREL1040         Erecti           PREL1040         Erecti           PREL1070         Erecti           PREL1100         Pre-C           PREL1110         Install           PREL1110         Install           PREL1110         Samp           PREL1130-01         Late 1           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-42         Delive           PREL1130-52         Fabric           PREL1130-62         Delive           PREL1130-62         Delive           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	itital Hydrographic Survey ree Survey tilities Detection and Trial Pit at MTRC's Development Area istallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Devel istallation of Ground Settlement Moniroting Points at MTRC Development F rection of Contractor Site Office Beneral Site Clearance (Tree Feling, Formation of Tempoary Working Acces rection of Chain Link Fence and Gates at MTRC's Development Area re-Construction Condition Survey Istallation of Monitoring on Exisiting Structure/ Buildings/Utilities construction of Temporary Wheel Washing Facilities Ionstruction of Wheel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fi ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	37 28 20 74 26 30 15 28 6 22	7     0       7     0       24     0       28     0       17     0       36     0       30     0       15     0       28     0	0         117/08(6         21-Nov-18 A           0         117/08(6         27-Nov-18 A           0         107/08(6         17-Jan-19 A           0         107/08(6         12-Jan-19 A           0         107/08(6         23-Feb-19 A           0         1017/08(6         14-Jan-19 A           0         1017/08(6         02-Jan-19 A           0         1017/08(6         02-Jan-19 A           0         1017/08(6         02-Jan-19 A	28-Nov-18 04-Dec-18 16-Feb-19 16-Feb-19 14-Mar-19 16-Apr-19	27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 27-Aug-21 30-Sep-23 30-Sep-23	0 0 0	100% 100%										8					
PREL1020         Tree 5           PREL1030         Utilitie           PREL1035         Install           PREL1037         Install           PREL1037         Install           PREL1037         Install           PREL1040         Erecti           PREL1050         Gene           PREL1060         Prec           PREL1100         Prec           PREL1110         Install           PREL1130-02         Samp           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-52         Fabric           PREL1130-62         Delive           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	tilities Detection and Trial Pit at MTRC's Development Area stallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Devel stallation of Ground Settlement Moniroting Points at MTRC Development F rection of Contractor Site Office beneral Site Clearance (Tree Feling, Formation of Tempoary Working Acces rection of Chain Link Fence and Gates at MTRC's Development Area re-Construction Condition Survey stallation of Monitoring on Exisiting Structure/ Buildings/Utilities construction of Temporary Wheel Washing Facilities construction of Wheel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fi ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	37 28 20 74 26 30 15 28 6 22	7     0       24     0       28     0       17     0       76     0       30     0       15     0       28     0	0         117/08(6         27-Nov-18 A           0         117/08(6         17-Jan-19 A           0         117/08(6         12-Jan-19 A           0         117/08(6         23-Feb-19 A           0         117/08(6         14-Jan-19 A           0         117/08(6         02-Jan-19 A           0         117/08(6         02-Jan-19 A           0         117/08(6         02-Jan-19 A	04-Dec-18 16-Feb-19 16-Feb-19 14-Mar-19 16-Apr-19	27-Aug-21 30-Sep-23 30-Sep-23 30-Sep-23	27-Aug-21 30-Sep-23 30-Sep-23	0	100%															
PREL1030         Utilitie           PREL1035         Install           PREL1037         Install           PREL1037         Install           PREL1037         Install           PREL1040         Erecti           PREL1050         Gene           PREL1070         Erecti           PREL1100         Pre-C           PREL1110         Install           PREL1130-02         Samp           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-52         Fabric           PREL1130-52         Pabric           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	tilities Detection and Trial Pit at MTRC's Development Area istallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Devel istallation of Ground Settlement Monitoring Points at MTRC Development F rection of Contractor Site Office Beneral Site Clearance (Tree FeIng, Formation of Tempoary Working Acces rection of Chain Link Fence and Gates at MTRC's Development Area re-Construction Condition Survey Istallation of Monitoring on Exisiting Structure/ Buildings/Utilities Instruction of Temporary Wheel Washing Facilities Instruction of Weel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fi ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	37 28 20 74 26 30 15 28 6 22	24         0           28         0           17         0           76         0           36         0           30         0           15         0           28         0	0         117/08(6         17-Jan-19 A           0         107/08(6         12-Jan-19 A           0         107/08(6         23-Feb-19 A           0         107/08(6         14-Jan-19 A           0         107/08(6         02-Jan-19 A           0         1017/08(6         02-Jan-19 A           0         1017/08(6         02-Jan-19 A	16-Feb-19 16-Feb-19 14-Mar-19 16-Apr-19	30-Sep-23 30-Sep-23 30-Sep-23	30-Sep-23 30-Sep-23	0			9 II - i		. i			- C) 📕	-							
PREL1035         Install           PREL1037         Install           PREL1037         Install           PREL1040         Erecti           PREL1050         Gene           PREL1070         Erecti           PREL1100         Pre-C           PREL1110         Install           PREL1120         Const           PREL1130-01         Late I           PREL1130-02         Samp           PREL1130-12         Pabric           PREL1130-22         Delive           PREL1130-52         Pabric           PREL1130-52         Delive           PREL1130-62         Delive           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	stallation of Utilities/ Ground Settlement Moniroting Points at MTRC's Devel istallation of Ground Settlement Monitoring Points at MTRC Development F rection of Contractor Site Office eneral Site Clearance (Tree Feling, Formation of Tempoary Working Acces rection of Chain Link Fence and Gates at MTRC's Development Area re-Construction Condition Survey istallation of Monitoring on Existing Structure/ Buildings/Utilities ionstruction of Temporary Wheel Washing Facilities ionstruction of Weel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fi ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	28 20 74 26 30 15 28 6 22	28         0           17         0           76         0           36         0           30         0           15         0           28         0	0         017/08(6         12-Jan-19A           0         017/08(6         23-Feb-19A           0         017/08(6         14-Jan-19A           0         017/08(6         02-Jan-19A           0         017/08(6         02-Jan-19A           0         017/08(6         02-Jan-19A           0         017/08(6         02-Jan-19A	16-Feb-19 14-Mar-19 16-Apr-19	30-Sep-23 30-Sep-23	30-Sep-23		100%	- III III	e E													
PREL1037         Install           PREL1040         Erecti           PREL1050         Gene           PREL1070         Erecti           PREL1100         Pre-C           PREL1110         Install           PREL1115         Const           PREL1120         Const           PREL1130-01         Late I           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-52         Delive           PREL1140-01         Fabric           PREL1140-01         Fabric	estallation of Ground Settlement Monitoring Points at MTRC Development F rection of Contractor Site Office Exercised Site Clearance (Tree Feling, Formation of Tempoary Working Acces rection of Chain Link Fence and Gates at MTRC's Development Area re-Construction Condition Survey Istallation of Monitoring on Exisiting Structure/ Buildings/Utilities tonstruction of Temporary Wheel Washing Facilities ionstruction of Wheel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fit ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	20 74 26 30 15 28 6 22	17     0       76     0       36     0       30     0       15     0       28     0	0         017/08(6         23-Feb-19 A           0         017/08(6         14-Jan-19 A           0         017/08(6         02-Jan-19 A           0         017/08(6         27-Dec-18 A	14-Mar-19 16-Apr-19	30-Sep-23		0	10070															
PREL1037         Install           PREL1040         Erecti           PREL1050         Gene           PREL1070         Erecti           PREL1100         Pre-C           PREL1110         Install           PREL1115         Const           PREL1120         Const           PREL1130-01         Late I           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-52         Delive           PREL1140-01         Fabric           PREL1140-01         Fabric	estallation of Ground Settlement Monitoring Points at MTRC Development F rection of Contractor Site Office Exercised Site Clearance (Tree Feling, Formation of Tempoary Working Acces rection of Chain Link Fence and Gates at MTRC's Development Area re-Construction Condition Survey Istallation of Monitoring on Exisiting Structure/ Buildings/Utilities tonstruction of Temporary Wheel Washing Facilities ionstruction of Wheel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fit ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	20 74 26 30 15 28 6 22	17     0       76     0       36     0       30     0       15     0       28     0	0         017/08(6         23-Feb-19 A           0         017/08(6         14-Jan-19 A           0         017/08(6         02-Jan-19 A           0         017/08(6         27-Dec-18 A	14-Mar-19 16-Apr-19	30-Sep-23			100%	~~ <b>*</b> * <b>************</b>														
PREL1040         Erecti           PREL1050         Gene           PREL1070         Erecti           PREL1100         Pre-C           PREL1110         Install           PREL1115         Const           PREL1120         Const           PREL1130-01         Late I           PREL1130-02         Samp           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1140-61         Fabric	rection of Contractor Site Office General Site Clearance (Tree Feling, Formation of Tempoary Working Access rection of Chain Link Fence and Gates at MTRC's Development Area re-Construction Condition Survey Istallation of Monitoring on Exisiting Structure/ Buildings/Utilities to nstruction of Temporary Wheel Washing Facilities ionstruction of Wheel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fi ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	74 26 30 15 28 6 22	76 (1) 36 (1) 30 (1) 15 (1) 28 (1)	<ul> <li>0 317/08(6 14-Jan-19 A</li> <li>0 317/08(6 02-Jan-19 A</li> <li>0 317/08(6 27-Dec-18 A</li> </ul>	16-Apr-19	· ·	30-Sep-23	0	100%															
PREL1050         Gene           PREL1070         Erecti           PREL1100         Pre-C           PREL1110         Install           PREL1115         Const           PREL1120         Const           PREL1130-01         Late I           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Delive           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Delive           PREL1130-52         Delive           PREL1130-52         Delive           PREL1140-01         Fabric	Seneral Site Clearance (Tree FeIing, Formation of Tempoary Working Acces           rection of Chain Link Fence and Gates at MTRC's Development Area           tre-Construction Condition Survey           stallation of Monitoring on Exisiting Structure/ Buildings/Utilities           tonstruction of Temporary Wheel Washing Facilities           tonstruction of Wheel Washing System (CE005, 007, 009)           ate Delivery of Steel Material for Fabrication of Structural Members at Pre-family	26 30 15 28 6 22	36 ( 30 ( 15 ( 28 (	0 017/08(6 02-Jan-19 A 0 017/08(6 27-Dec-18 A				0	100%															
PREL1070         Erecti           PREL1100         Pre-C           PREL1110         Install           PREL1115         Const           PREL1120         Const           PREL1130-01         Late I           PREL1130-02         Samp           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-22         Delive           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Delive           PREL1130-52         Delive           PREL1130-52         Delive           PREL1140-01         Fabric           PREL1140-01         Fabric	rection of Chain Link Fence and Gates at MTRC's Development Area re-Construction Condition Survey Istallation of Monitoring on Exisiting Structure/ Buildings/Utilities Ionstruction of Temporary Wheel Washing Facilities Ionstruction of Wheel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fa ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	30 15 28 6 22	30 ( 15 ( 28 (	0 017/08(6 27-Dec-18 A	10-100-18		-	0	100%															
PREL1100         Pre-C           PREL1110         Install           PREL1115         Const           PREL1120         Const           PREL1130-01         Late I           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1130-52         Fabric           PREL1140-01         Fabric           PREL1140-01         Fabric	re-Construction Condition Survey stallation of Monitoring on Exisiting Structure/ Buildings/Utilities ionstruction of Temporary Wheel Washing Facilities ionstruction of Wheel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fa ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	15 28 6 22	15 28		31 Jan 10		-		100%													-		
PREL1110         Install           PREL1115         Const           PREL1120         Const           PREL1130-01         Late I           PREL1130-12         Samp           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-52         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	stallation of Monitoring on Exisiting Structure/ Buildings/Utilities onstruction of Temporary Wheel Washing Facilities onstruction of Wheel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fa ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	28 6 22	28	0 017/08(6 28-Nov-18 A		27-Aug-21	-	0		· <b> - </b> #   <sup>7</sup>	į		ļ					·····						
PREL1115         Const           PREL1120         Const           PREL1130-01         Late I           PREL1130-02         Samp           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-52         Fabric           PREL1130-52         Pabric           PREL1130-52         Delive           PREL1130-52         Delive           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	onstruction of Temporary Wheel Washing Facilities onstruction of Wheel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fa ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	6 22		0 047/00/0 10 10		30-Sep-23	-	0	100%															
PREL1120         Const           PREL1130-01         Late I           PREL1130-02         Samp           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-32         Fabric           PREL1130-52         Fabric           PREL1130-52         Delive           PREL1130-62         Delive           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	onstruction of Wheel Washing System (CE005, 007, 009) ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fa ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	22	6	0 017/08(6 12-Jan-19 A		30-Sep-23		0	100%															
PREL1130-01         Late I           PREL1130-02         Samp           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-42         Delive           PREL1130-52         Fabric           PREL1130-52         Delive           PREL1130-62         Delive           PREL1130-62         Delive           PREL1140-01         Fabric	ate Delivery of Steel Material for Fabrication of Structural Members at Pre-fa ample Selection and Testing for Structural Steels for Pre-fabrication of Nois			0 017/08(7 18-Mar-19 A		30-Sep-23		0	100%															
PREL1130-02         Samp           PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-42         Delive           PREL1130-52         Fabric           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	ample Selection and Testing for Structural Steels for Pre-fabrication of Nois	<u> </u>		0 017/08(6 26-Apr-19 A	17-Jun-19	30-Sep-23	30-Sep-23	0	100%															
PREL1130-12         Fabric           PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-42         Delive           PREL1130-52         Fabric           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	-	60 1	154 (	0 017/08(7 29-Jan-20 A	30-Jun-20	23-Sep-21	23-Sep-21	0	100%															
PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-42         Delive           PREL1130-52         Fabric           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive		33 1	185 (	0 017/08(6 02-Jul-20 A	10-Feb-21	23-Sep-21	23-Sep-21	0	100% of N	voise Enclos	sure		+											
PREL1130-22         Delive           PREL1130-32         Fabric           PREL1130-42         Delive           PREL1130-52         Fabric           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	abrication of Structural Elements for At-grade Road Noise Enclosure (Type	90 2	204 2	21 017/08(6 02-Mar-21 A	01-Dec-21	28-Oct-21	20-Nov-21	-9 0	76.67%		Fabricati	on of Structural	Elements for A	At-grade Ro	ad Nosel	Enclosur	e (Type B)	1			1			
PREL1130-32         Fabric           PREL1130-42         Delive           PREL1130-52         Fabric           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	elivery of Structural Elements for At-grade Road Noise Enclosure (Type B)			0 017/08(6 13-Mar-21 A			10-Jan-22	0	100% пас	te Poad Nd	ise Enclosur			Ŭ										
PREL1130-42         Delive           PREL1130-52         Fabric           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	abrication of Structural Elements for Noise Enclosure for Elevated Deck, U4			· ·	-		30-Nov-21	-18 0	57.78%			brication of Stru	ictural Element	ts for Noise	Enclosure	re for Flev	ated Deck	: Litrouch (Tv	Ivne A					
PREL1130-52         Fabric           PREL1130-62         Delive           PREL1140-01         Fabric           PREL1140-21         Delive	elivery of Structural Elements for Elevated Deck, U-trough (Type A)	60		60 017/08(6 08-Nov-21			04-Dec-21	-36 0	0%				of Structural Ele						.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
PREL1130-62 Delive PREL1140-01 Fabric PREL1140-21 Delive	abrication of Structural Elements for Noise Enclosure for Wan O Road (Type	45		45 017/08(6 08-Nov-21	31-Dec-21	-	08-Feb-22	29	0%		<u></u>	Fabrication of S									•   • • • • • • • • • • • • • • • • • •			
PREL1140-01 Fabric PREL1140-21 Delive	lelivery of Structural Elements for Wan O Road (Type C, D)	30	-	30 017/08(6 30-Nov-21	06-Jan-22			29	0%			Delivery of St		oto for M/cm		(Type C, I	i i	л (туре Q, D) ¦	"					
PREL1140-21 Delive									4000/145					nts ior wer	i un cau	(iype C, i	0)	-						
	abrication of Sub-frame and PMMA Panels for Noise Enclosure			0 017/08(6 20-Apr-21 A				0			ts for Noise I							1						
	elivery of Sub-frame and PMMA Panels for Noise Enclosure			11 017/08(6 15-Jun-21 A		23-Sep-21		-37 0	63.33%		perivery or S	ub-frame and f cceptance test	Pivilvia Panels I	or Noise Er	iciosule									
	rocurement, factory acceptance test for Lift	60		0 017/08(6 15-Oct-21 A			20-Nov-21	0			nt factory ar	cceptance test	for Lift				.įį							
PREL1150-01 Delive	elivery for Lift and Associated	44	0 4	44 017/08(6 08-Nov-21*	30-Dec-21	20-Nov-21	13-Jan-22	11 0	0%			Delivery for Lift												
PREL1160 FSD's	SD's agreement and confirmation on the arrangement and schedules of Ft	48	0 44	48 017/08(6 19-Nov-21	17-Jan-22	17-Feb-22	14-Apr-22	71 0	0%	►∰		📕 F\$D's agr	ement and co	onfirmation	oḥ the an	rangene	nť and sche	dules of FS	S inspe¦citon	n to the E&M	I works for the I	ift		
PREL1170 Enviro	nvironmental baseline monitoring (by others)	48	48	0 017/08(6 17-Dec-18 A	16-Feb-19	30-Sep-23	30-Sep-23	0	100%															
PREL1180 Remo	lemoval of Exisitng Lighting Columns (by others)	3	3	0 017/08(6 09-Apr-19 A	11-Apr-19	27-Aug-21	27-Aug-21	0	100%															
PREL1190 Layin	aying of Permanent Power Cable (by others)	48	0 4	48 017/08(6 25-Mar-22	26-May-22	24-Mar-22		-1 0	0%				-		Layrg	of Perm	anent Power	r Cable (by	others)					
PREL1220 Civil p	ivil provision of TCSS	48	0 4	48 017/08(6 08-Nov-21	05-Jan-22	19-Jan-22	18-Mar-22	59 0	0%		······································	Civil provision	of TCSS								+			
	Istallation of Permanent Street Lighting (by others)	49		49 017/08(6 27-May-22	25-Jul-22	26-May-22		-1 0	0%		( <b>1</b>     <sup>-</sup> '					طين	Installation	n of Perman	inent Street	et Lighting (by	others)			
	aying of Irigation (Portion I, II, III)	49		49 017/08(6 27-May-22	25-Jul-22	26-May-22		-1 0	0%						اللغ	<u> </u>	Laying of	:	:			-		
	rocurement, Factory Acceptance Test and Delivery of Bearing			0 017/08(7 14-Jan-20 A		-		-1 0	100%								Laying 0	-ngauon (P						
				0 017/08(7 14-Jan-20 A 0 017/08(6 13-Jun-19 A				U	100%	<b>-++-</b>														
Ground Investigation GI1010 Grour	round Investigation Borehole (NEBH1) (Rig4) (10D/hole+5D TRA)	30 15		0 017/08(6 13-Jun-19 A 0 017/08(6 02-Jul-19 A				5	100%	┈╂╌╂╌╂╫				·	··· <b>↓</b>			·····			+		·····	
						-												-						
	Ground Investigation Borehole (NEBH2) (Rig1) (10D/hole+5D TRA)	15		0 017/08(6 13-Jun-19 A			27-Aug-21	5	100%															
	Ground Investigation Borehole (NEBH3) (Rig1) (10D/hole+5D TRA)	15	_	0 017/08(6 24-Jun-19 A		0	-	5	100%															
Construction Works of Portion I				34 02-Jul-19 A		18-Aug-21		378								7 24 un	-22, Constru	uction Works	s of Portion	nl				
	rovide Access to MTRC P10 at Elevated Cycle Track Area			0 017/08(7 02-Jul-19 A			-	0	100%															
	rovide Access to MTRC P10 at U-trough Section		188 (	0 017/08(7 01-Apr-20 A		09-Sep-21		0	100%															
Cycle Track - U-trough			659 16	65 19-Aug-19 A	_	· · · ·	14-Apr-22	-36		╼┿╋╼╋╫					🔫 þ Ju	un 22, Cy	cle Track - U	J-trough						
Excavation to U-tough Level(+5.0		446 3	398 (	0 19-Aug-19 A																				
PORI.UT.EX1010 Excav	xcavation to U-trough Founding Level for Construction of Bay 6-9 (+5.0mPl	5	3	0 017/08(6 19-Aug-19 A	21-Aug-1§	09-Sep-21	09-Sep-21	0	100%								1	1		1				
PORI.UT.EX1020 Plate	late Load Test	7	5	0 017/08(7 22-Aug-19 A	26-Aug-1§	09-Sep-21	09-Sep-21	0	100%									-						
PORLUT.EX1030 Excav	xcavation to U-trough Founding Level for Construction of Bay 3-5 (+5.0mP	10	13	0 017/08(6 09-Mar-20 A	23-Mar-20	09-Sep-21	09-Sep-21	0	100%								1							
	iaision with Towngas and TranxComm and Utilities Diversion for Bay 3 (EW(	60 2	235	0 017/08(6 17-Jan-20 A	02-Nov-20	09-Sep-21	09-Sep-21	0	100%											1				
	xcavation to U-trough Founding Level for Construction of Bay 2 (+5.0mPD	4		0 017/08(6 19-Nov-20 A				0	100%															
	xcavation to U-trough Founding Level for Construction of Bay 2 (+5.0mPD)	4		0 017/08(6 12-Dec-20 A		09-Sep-21		- ľ	100%PD)	,								1						
	tilities Diversion for Bay 1-2		-	0 017/08(6 21-Sep-20 A	-	-		0	100%															
	-							-	100%	· <b> -   </b>	<u></u>	21 Doo 24	note the set of the	trough		Pollo 477	VPov 4 T-	m)			·+		·+	
Construction of U-trough Structur	icture (9 Bays, 27D/Bay, 1 Team) Construction of Blinding Layer for Bay 6-9			45 017/08(6 27-Aug-19 A				-48	100%			31-Deo-21, Cor	auucuon of U-	aougnistu	Guie BB	ays, 1/D	, φαy, Ilear							
		2		0 017/08(6 27-Aug-19 A	-			0	100%									1						
PORI.UT.ST1010 Const	construction of U-trough Structure Bay 6-9 Base Slab (14D/bay, 1 team)	56	34	0 017/08(6 27-Aug-19 A	U8-Oct-19	09-Sep-21	09-Sep-21	0	100%			1						1		1		1		
					~											Date			R	Revision			Checked	d A
<ul> <li>Actual Level of Effort</li> </ul>	♦ Milestone				Contra	ict No.:	NE/2017/0	)8							<u> </u>		-				A			
Actual Work	summary summary	工程拓展	星里	C.	rose Dor	Tink 7	<b>Seung Kv</b>	an O							08-Ma	ar-21	Mont	niy Progi	ramme	Update (N	viar 2021)	T	L	StL
					•	-	0						-		08-Ma	ay-21	Mont	hy Progr	ramme l	Update (N	/lay 2021)		CkT	StL
Remaining Work	Civil E	Engineerin	g and		load D9	and Ass	sociated W	orks			D	ild	1/:		08-1-1		_			Update (J	• /		СКТ	StL
Critical Remaining Work		lopment De	epartme	ent	1	Page 13 o	of 26						K 11	10	08-Jul 16-Se			leration F			Jui 2021)		CKT	S⊾ St

ivity ID		Activity Name	Original Actual Remaining Duration Duration Duration		Start	Finish	Late Start	Late Finish	Total TRA Float	Complete								2022			
_			ļl		00 14-00 4	47.1400	00.0 04	00.0 01		. 00	Nov	Dec	Jan	Feb	Mar /	Apr N	May J	Jun	Jul	Aug	Sep
	<ul> <li>PORI.UT.ST1010-01</li> <li>PORI.UT.ST1010-02</li> </ul>	Construction of U-trough Structure Bay 9 Wall Stem Construction of U-trough Structure Bay 8 Wall Stem			06-Mar-20 A 19-Mar-20 A	17-Mar-20	09-Sep-21 09-Sep-21	09-Sep-21 09-Sep-21	0	100%											
	PORI.UT.ST1010-02	Construction of U-trough Structure Bay 7 Wall Stem			06-Mar-20 A	-	09-Sep-21 09-Sep-21	09-Sep-21 09-Sep-21	0	100%								÷	÷	-+	·
	PORLUT.ST1010-13	Construction of U-trough Structure Bay 6 Wall Stem			11-Apr-20 A		09-Sep-21	09-Sep-21	0	100%											
	PORLUT.ST1020	Access Road Modification to Seaside			27-Feb-20 A	07-Mar-20		09-Sep-21	0	100%										-	
	PORLUT.ST1030	Construction of Blinding Layer for Bay 4-5			24-Mar-20 A		09-Sep-21	09-Sep-21	0	100%											
	PORI.UT.ST1040-01	Construction of U-trough Structure Bay 5 Base Slab			25-Mar-20 A	08-Apr-20	09-Sep-21	09-Sep-21	0	100%			-								
	PORI.UT.ST1040-11	Construction of U-trough Structure Bay 4 Base Slab		· ·	28-Mar-20 A		09-Sep-21	09-Sep-21	0	100%				††				11			
	PORI.UT.ST1040-15	Construction of Blinding Layer for Bay 3	4 2 0	0 017/08(6	03-Nov-20 A	04-Nov-20	09-Sep-21	09-Sep-21	0	100%										-	
	PORI.UT.ST1040-21	Construction of U-trough Structure Bay 3 Base Slab	14 12 0	0 017/08(6	11-Nov-20 A	24-Nov-20	09-Sep-21	09-Sep-21	0	100%											
	PORI.UT.ST1040-31	Construction of U-trough Structure Bay 5 Wall Stem	14 16 0	0 017/08(6	27-Jul-20 A	13-Aug-2(	09-Sep-21	09-Sep-21	0	100%											
	PORI.UT.ST1040-41	Construction of U-trough Structure Bay 4 Wall Stem	14 28 0	0 017/08(6	22-Jun-20 A	25-Jul-20	09-Sep-21	09-Sep-21	0	100%										-	
	PORI.UT.ST1040-51	Construction of U-trough Structure Bay 3 Wall Stem	14 14 0	0 017/08(6	18-Feb-21 A	05-Mar-21	09-Sep-21	09-Sep-21	0	100%	-								(TTT)	1	
	PORI.UT.ST1060	Construction of Blinding Layer for Bay 2	2 1 0	0 017/08(6	25-Nov-20 A	25-Nov-20	09-Sep-21	09-Sep-21	0	100%											
	PORI.UT.ST1065	Construction of Blinding Layer for Bay 1	2 1 0	0 017/08(6	18-Dec-20 A	18-Dec-20	09-Sep-21	09-Sep-21		100%											
	PORI.UT.ST1070	Construction of U-trough Structure Bay 2 Base Slab	14 14 (	0 017/08(6	26-Nov-20 A	11-Dec-20	09-Sep-21	09-Sep-21	0	100%										-	
	PORI.UT.ST1070-01	Construction of U-trough Structure Bay 1 Base Slab	14 10 0	0 017/08(6	21-Dec-20 A	04-Jan-21	09-Sep-21	09-Sep-21	0	100%											
	PORI.UT.ST1070-02	Construction of U-trough Structure Bay 1 Wall Stem	14 109 0	0 017/08(6	01-Mar-21 A	15-Jul-21	09-Sep-21	09-Sep-21	0	100% h Strue	tu e Esyit	Wall Sta	em								
	PORI.UT.ST1070-12	Construction of U-trough Structure Bay 2 Wall Stem	14 36 0	0 017/08(6	18-Dec-20 A	01-Feb-21	09-Sep-21	09-Sep-21	0	100%											
	PORI.UT.ST1070-42	R C Coping for Balustrade			08-Nov-21	31-Dec-21	09-Sep-21	03-Nov-21	-48	0%					Balustrade						
		nation Level (2 Layers, 5D/layer)		0 017/08(6	-	30-Nov-21	09-Sep-21	08-Dec-21	7			BO-NOV-	21, Back	filling to I	Interim Form on Level (2 L	nation Le	vel (2 Lay	ers, 5D	)/laver)	1	-
	PORIUT.BF1010     PORUTERF1020	Backfilling to Interim Formation Level (2 Layers, 5D/Layer)			08-Nov-21	18-Nov-21	26-Nov-21	08-Dec-21	17 0	0%		<b>.</b>							į		· {
	PORI.UT.BF1020	Backfilling inside U-trough Structure (14 Layers, 5D/layer)			01-Sep-21 A	_	<u> </u>	04-Oct-21	-48 0	71.43%		Backulli	ng Inside	U-trough	h Structure (	14 Layes	s, o⊔/laye				No-1
	Remaining Works	Construction of Drainage for SMH101 to SMH102			16-Sep-20 A 16-Sep-20 A	_	26-Oct-21 26-Nov-21	14-Apr-22 26-Nov-21	-36	100%					1		P P	, -jun-2	ZZ, Re	maining V	WORKS
	PORI.UT.1055	Review and Acceptance of Design for ELS for Drainage		· ·	08-Oct-20 A	12-Nov-20		26-Nov-21	0	100%											
	PORI.UT.1060	Construction of Drainage for SMH102 to SMH103			08-May-21 A		26-Nov-21	26-Nov-21	0	100 %		лынла								-	
	PORI.UT.1000	Construction of Drainage for SMI102 to SMI103			21-Jun-21 A	28-Jul-21	26-Nov-21	26-Nov-21	0	100% hage			104						÷		
	PORI.UT.1080	Construction of Drainage for SMI104 to SMI104			03-May-21 A			26-Nov-21	0	100% Iage			1104								
	PORLUT.1090.00	Construction of Planter, Lighting & Drawpit			01-Dec-21	10-Mar-22		18-Mar-22	7 0	0%					Constru	uction of	Planter I	ichting.	. 8 Drai	Arbit	
	PORLUT.1090.01	Construction of U Channel			08-Nov-21	15-Feb-22		14-Feb-22	-1	0%	1117		:		onstruction o					- Pro-	
	PORI.UT.1090.02	Concrete Barrier, Cable Duct and Road Pavement			03-Jan-22	30-Apr-22	17-Dec-21	14-Apr-22	-11	0%			:	_ ~			Concrete	Barier /	Cable	Duct and	Road P
	PORI.UT.1090.12	Balustrade Installation			03-Jan-22	01-Jun-22	04-Nov-21	30-Mar-22	-48	0%								Balustra	ade Ins	tallation	
	PORI.UT.1110.10	Construction of Drainage SMH601 to SMH604		· ·	08-Nov-21	31-Dec-21		16-Dec-21	-11				Constru	ction of:	Drainage SN	MH601 to				-	
	Elevated Cycle Track				23-Jul-19 A		27-Aug-21	30-Sep-23	418									22. Elev	vated (	; Cycle Tracl	*
	Remaining Works		124 0 124	4 017/08(6	01-Dec-21	06-May-22	11-Dec-21	14-Apr-22	-15				-			<b></b>	08-May 2	22. Rem			
	PORI.ED.MISC.1010	Balustrade Installation	60 0 60	0 017/08(6	31-Dec-21	15-Mar-22	31-Jan-22	14-Apr-22	25	0%					Balus	strade Insta	tallation				
	PORI.ED.MISC.1020	Planter, Lighting, Drawpit	40 0 40	0 017/08(6	31-Dec-21	19-Feb-22	11-Dec-21	29-Jan-22	-15	0%					Planter, Light		мрі				
	PORI.ED.MISC.1030	225 U Channel with cover	14 0 14	4 017/08(6	31-Dec-21	17-Jan-22	10-Feb-22	25-Feb-22	31	0%			22	5 U Chai	nnel with co	ver			<u>.</u>		
	PORI.ED.MISC.1040	Cable Duct Installation (Together with Planter)		· ·	01-Dec-21	09-Feb-22		18-Mar-22	32	0%	1			Cabl	le Duct Insta	1.1	oçether w	vit Plan	nte <mark>r</mark> )	-	
	PORI.ED.MISC.1050	MJ Installation		0 017/08(6	-		07-Jan-22	25-Feb-22	5	0%			:		A. Installation						
	PORI.ED.MISC.1060	Water Proofing			21-Feb-22		31-Jan-22	25-Feb-22	-15	0%	-				Water	er Proofing			4		
	PORI.ED.MISC.1070	Road Pavement		0 017/08(6			26-Feb-22	14-Apr-22	-15	0%							Road Pa	vement	at I		
		mative PBSH at MTRC Development Zone (10nos, 10D/pile+5D TRA, 1 to 4rig		`	23-Jul-19 A	05-May-2(		30-Sep-23													
	<b>Rig 2</b>	Predrilling for Alternative PBSH at Portion I (PD97)			04-Dec-19 A 04-Dec-19 A	-	27-Aug-21 27-Aug-21		5	100%										-	
		Idling of Predrill Rig for PD97 by Sub-contractor			14-Dec-19 A			-	0	100%											
		Predriling for Alternative PBSH at Portion I (PD01A)			25-Apr-20 A		27-Aug-21	-	5	100%		<b>.</b>				·	-#-++	甘昔	<u></u>	·	1
	Rig 3	g			05-Sep-19 A	-	-	27-Aug-21	U U	10070											
		Predrilling for Alternative PBSH at Portion I (PD08)		· ·	05-Sep-19 A	· ·		27-Aug-21	5	100%											
	Tig 4				17-Aug-19 A	-	-	27-Aug-21													
		Predrilling for Alternative PBSH at Portion I (PD98)			17-Aug-19 A	-	-	27-Aug-21	5	100%											
	nig 5				10-Oct-19 A		27-Aug-21	27-Aug-21											T		
		Predrilling for Alternative PBSH at Portion I (PD02)		· ·	10-Oct-19 A		27-Aug-21	27-Aug-21	5	100%										1	
		Predrilling for Alternative PBSH at Portion I (PD03)			19-Oct-19 A	28-Oct-19		27-Aug-21	5	100%											
					23-Jul-19 A	28-Sep-19	-	30-Sep-23												1	
	PORI.ED.PD1010	Predrilling for Alternative PBSH at Portion I (PD01) (CE018, CE017)			23-Jul-19 A		27-Aug-21	27-Aug-21	5	100%	-										
	PORI.ED.PD1030	Predrilling for Alternative PBSH at Portion I (PD04)			13-Sep-19 A			30-Sep-23	5	100%											
	PORI.ED.PD1060	Predrilling for Alternative PBSH at Portion I (PD07)			03-Aug-19 A		-	27-Aug-21	5	100%											
	PORI.ED.PD1090     PORI.ED.PD14400	Predrilling for Alternative PBSH at Portion I (PD06)			14-Aug-19 A	-	-	27-Aug-21	5	100%											
	PORIED.PD1100	Predrilling for Alternative PBSH at Portion I (PD05)		-	23-Aug-19 A	-	-	27-Aug-21	5	100%			1								
	PORI.ED.PD1110	Demobolize of Predrilling Rig 6 off Site			28-Sep-19 A			30-Sep-23	0	100%		<b>.</b>						- <b> -</b>	<u> </u>		
	ELS Construction for Elevent	Ated Cycle Track Sheet Piling along Elevated Cycle Track		`	21-Aug-20 A 21-Aug-20 A				0	100%										1	
		e PBSH (24nos, 7D/pile, 1 rig)			21-Aug-20 A 10-Mar-20 A		-		0	10070											
	PORI.ED.HP0500	Mobilization of Piling Rigs for PBSH		<u> </u>	07-May-20 A	·			0	100%										1	
	PORI.ED.HP1000	Construction of Alternative PBSH (16nos,7D/pile, rig 1)			25-May-20 A		-		0	100%											-
	PORI.ED.HP1010	Construction of Alternative PBSH at PC2-P1, PC2-P2, PC3-P2 (3nos, 7D/rig,			10-Mar-20 A	-	-	27-Aug-21	0	100%	1-1			+				1	<b>-</b>	•	
	PORI.ED.HP1020	Construction of Alternative PBSH (5nos,7D/pile, rig 2)			03-Aug-20 A		-	27-Aug-21	0	100%											
	PORI.ED.HP1250	Pile Loading Test		-	26-Aug-20 A		-	-	0	100%											
		evel (+5.0mPD to +2.8mPD) (2000m3)			12-Oct-20 A	_		09-Sep-21													
	PORI.ED.EX1030	Excavation to Strut Level (+5.0mPD to +4.0mPD)			12-Oct-20 A		27-Aug-21		0	100%											
	PORI.ED.EX1040	Installation of Concrete Blocks and Struts for ELS			11-Nov-20 A			09-Sep-21	0	100%				+				甘情		•	
	PORI.ED.EX1060	Excavation to Pile Cap Founding Level (+2.8mPD)						09-Sep-21	0	100%							. 8		: 1	1	

Actual Work 

Remaining Work Critical Remaining Work summary



Contract No.: NE/2017/08 Cross Bay Link, Tseung Kwan O Road D9 and Associated Works Page 14 of 26



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	Activity Name			maining Calendar Duration	Start	Finish	Late Start	Late Finish	Total TRA											022			ĺ
							00.0		Float	Complete Oct	Nov	De	c Jan	Feb	Ma	ar Ap	or M	vlay .	Jun	Ju		ug	_
Construction of Pile Caps PORI.ED.PC1010	(10 PC, 14D/Cap, 3teams) Construction of PC10 (incl. Installation of Capping plate)	105 14	62 23		17-Nov-20 A 17-Nov-20 A	30-Jan-21 12-Dec-20	09-Sep-21 09-Sep-21	21-Oct-21 09-Sep-21	0	100%													
PORI.ED.PC1020	Construction of PC9 (incl. Installation of Capping plate)	14	22		18-Nov-20 A	12-Dec-20	09-Sep-21	09-Sep-21	0	100%				1									
PORI.ED.PC1030	Construction of PC8 (incl. Installation of Capping plate)	14	22	0 017/08(6	24-Nov-20 A	18-Dec-20	09-Sep-21	09-Sep-21	0	100%													
PORI.ED.PC1040	Construction of PC7 (incl. Installation of Capping plate)	14	19	0 017/08(6	27-Nov-20 A	18-Dec-20	09-Sep-21	09-Sep-21	0	100%													
PORI.ED.PC1050	Construction of PC6 (incl. Installation of Capping plate)	14	20	0 017/08(6	28-Nov-20 A	21-Dec-20	09-Sep-21	09-Sep-21	0	100%													
PORI.ED.PC1060	Construction of PC5 (incl. Installation of Capping plate)	14	26		30-Nov-20 A	31-Dec-20	09-Sep-21	09-Sep-21	0	100%													
PORI.ED.PC1070	Construction of PC4 (incl. Installation of Capping plate)	14	19		08-Dec-20 A	31-Dec-20	09-Sep-21	09-Sep-21	0	100%													
PORI.ED.PC1080	Construction of PC3 (incl. Installation of Capping plate)	14	19		14-Dec-20 A	07-Jan-21	09-Sep-21	09-Sep-21	0	100%				1									
PORI.ED.PC1090	Construction of PC2 (incl. Installation of Capping plate)	14	16		17-Dec-20 A	07-Jan-21	09-Sep-21	09-Sep-21	0	100%											1		
PORI.ED.PC1100	Construction of PC1 (incl. Installation of Capping plate) and Abutment (16pcs, 10D'column, 4 teams)	14 289	10 55		20-Jan-21 A 29-Dec-20 A	30-Jan-21 17-Dec-21	21-Oct-21	21-Oct-21 27-Nov-21	-17	100%			17 Doc 2	Const		of Colum		Atutto				mn 4+	•
PORI.ED.CP1010	Construction of Abutment 1A (1st Portion)	209	51	<b>`</b>	04-Jan-21 A	08-Mar-21	09-Sep-21	09-Sep-21	-17	100%						-		Autume	in (iop	1			Ì
PORI.ED.CP1010-01	Construction of Abutment 1A (2nd Portion)	20	0	20 017/08(6		30-Nov-21	19-Oct-21	10-Nov-21	-17 0	0%		Car	nstruction o	of Abutme	ent 1A	(2nd Port	tion);			()			
PORI.ED.CP1020	Installation of Bearings	15	0	15 017/08(6	01-Dec-21	17-Dec-21	11-Nov-21	27-Nov-21	-17 0	0%		Ŧ <b>ċ</b>	Installatio	on of Bea	rings						-		
PORI.ED.CP1030	Construction Column PC9-CA	18	12	0 017/08(6	29-Dec-20 A	12-Jan-21	21-Oct-21	21-Oct-21	0	100%		П											
PORI.ED.CP1040	Construction Column PC9-CB	18	12	0 017/08(6	29-Dec-20 A	12-Jan-21	21-Oct-21	21-Oct-21	0	100%													
PORI.ED.CP1050	Construction Column PC8-CA	18	18	0 017/08(6	29-Dec-20 A	19-Jan-21	21-Oct-21	21-Oct-21	0	100%													
PORI.ED.CP1060	Construction Column PC8-CB	18	12		29-Dec-20 A	12-Jan-21	21-Oct-21	21-Oct-21	0	100%										I			
PORI.ED.CP1070	Construction Column PC7-CA	18	6		18-Jan-21 A	23-Jan-21	21-Oct-21	21-Oct-21	0	100%				1									
PORI.ED.CP1080	Construction Column PC7-CB	18	6		18-Jan-21 A	23-Jan-21	21-Oct-21	21-Oct-21	0	100%											-		
PORI.ED.CP1090	Construction Column PC6-CA	18	7		22-Jan-21 A	29-Jan-21	21-Oct-21	21-Oct-21	0	100%											ł		
PORI.ED.CP1095     PORIED.CP1100	Construction Column PC6-CB	18	7		22-Jan-21 A	29-Jan-21	21-Oct-21 21-Oct-21	21-Oct-21	0	100%		╟╢┼			<u>+</u>			- <b> </b>		<u>8</u>			-
PORI.ED.CP1100     PORIED.CP1110	Construction Column PC5-CA	18	9		23-Jan-21 A 23-Jan-21 A	02-Feb-21	21-Oct-21 21-Oct-21	21-Oct-21	0	100%													
<ul> <li>PORI.ED.CP1110</li> <li>PORI.ED.CP1120</li> </ul>	Construction Column PC5-CB Construction Column PC4-CA	18	9		23-Jan-21 A 26-Jan-21 A	02-Feb-21 05-Feb-21	21-Oct-21 21-Oct-21	21-Oct-21 21-Oct-21	0	100%													
PORI.ED.CP1130	Construction Column PC4-CB	18	10		26-Jan-21 A	05-Feb-21	21-Oct-21	21-Oct-21 21-Oct-21	0	100%				-									
PORI.ED.CP1140	Construction Column PC3-CA	18	8		02-Feb-21 A	10-Feb-21	21-Oct-21	21-Oct-21	0	100%											-		
PORI.ED.CP1150	Construction Column PC3-CB	2	8		02-Feb-21 A		21-Oct-21	21-Oct-21	0	100%										8 <b>-</b> -			-
PORI.ED.CP1160	Construction Column PC1-CA	18	5	0 017/08(6	24-Feb-21 A	01-Mar-21	21-Oct-21	21-Oct-21	0	100%						-					1		
PORI.ED.CP1170	Construction Column PC2-CA	18	5	0 017/08(6	24-Feb-21 A	01-Mar-21	21-Oct-21	21-Oct-21	0	100%											-		
Drainage Works		353	133	40 017/08(6	22-Dec-20 A	23-Apr-22	21-Oct-21	30-Mar-22	-17								🔫 23 /	Apr-22,	Diana	ge V	orks		
PORI.ED.DRA1020	Construction of Drainage from SMH105 to SMH106	20	34		22-Dec-20 A			21-Oct-21	0	100%					L					<u> </u>			
PORI.ED.DRA1030	Construction of Drainage from SMH106 to SMH107	20	24		09-Jan-21 A	05-Feb-21	21-Oct-21	21-Oct-21	0	100%											÷		
PORI.ED.DRA1040	Construction of Drainage from SMH107 to SMH108	20	33		15-Jan-21 A	25-Feb-21	21-Oct-21	21-Oct-21	0	100%				-							-		
PORI.ED.DRA1050	Construction of Drainage from SMH108 to SMH109	20	20		09-Mar-21 A	31-Mar-21	21-Oct-21	21-Oct-21	0	100%				504		1					1		
PORI.ED.DRA1055 PORI.ED.DRA1060	Backfilling to Interim Formation Level (+1.36mPD to +2.8mPD, 5 Layers, 5D/ Backfilling to Interim Formation Level (+2.8mPD to 4.4mPD, 6 Layers, 1.5D/	25	25 9		28-Apr-21 A 29-May-21 A	28-May-21 08-Jun-21	21-Oct-21 21-Oct-21	21-Oct-21 21-Oct-21	0	100% +1.36 100% /el (+2			PD, 5 Lave	or 1 FD	ver)	-					-		
PORI.ED.DRA1000	Construction of Roadworks and Watermain Laying	40	9	40 017/08(6	-		12-Feb-22	30-Mar-22	-17 0	0%			FD, 0 Lay	(CIS, 1.JL	hayer				n n Br	obdyr	nks and	Water	
	icture (3bays, 45D/bay, 3Teams)	180	159	95 017/08(6			21-Oct-21	12-Feb-22	-17	070					- d	4-Mair-22,	Constr	nstruction uction of	Deck	Struc	ure:(3b	avs. 45	5
PORI.ED.1140	Remaining Works for Handover to CBL-C1	30	0	30 017/08(6	· · · · · · · · · · · · · · · · · · ·	04-Mar-22	06-Jan-22	12-Feb-22	-17 0	0%			- r			emaining						.,_,	
PORI.ED.DS.1010	Construction of Deck Structure Bay 1	30	0	30 017/08(6	18-Dec-21	25-Jan-22	29-Nov-21	05-Jan-22	-17 0	0%						of Deck S	Structure	e Bay 1			1		
PORI.ED.DS.1020	Construction of Deck Structure Bay 2	180	159	4 017/08(6	28-Apr-21 A	11-Nov-21	21-Oct-21	25-Oct-21	-15	97.78%		nstruc	ton of Dec	k Struciu	Rev Bay	2							
PORI.ED.DS.1030	Construction of Deck Structure Bay 3	40	0	40 017/08(6		30-Dec-21	26-Oct-21	10-Dec-21	-15	0%			Cons	struction of	of Deck	Structure	e Bay 3						
Lift and Staircase		820	636		16-Sep-19 A			-	378											24-Ju	un-2¦2, Li	ft and	
Treating Works for T Bo	H (5nos, 10D/pile+5D TRA, 1-3rigs)	148 68	142 64	V	16-Sep-19 A 18-Sep-19 A	01 1001 20	21710921	00 000 20													-		
PORILLS.PD1010	Predrilling for PBSH at Lift and Staircase (PD09)	15	11		21-Nov-19 A		27-Aug-21 27-Aug-21	27-Aug-21 27-Aug-21	5	100%						1					-		
PORILS.PD1020	Predrilling for PBSH at Lift and Staircase (PD94)	15	9		18-Sep-19 A		27-Aug-21	27-Aug-21	5	100%		•••						-		8			-
Rig 2	5 ( - )	148	142		16-Sep-19 A	07-Mar-20	27-Aug-21	30-Sep-23															
PORILS.PD1030	Predrilling for PBSH at Lift and Staircase (PD10)	15	14	0 017/08(6	16-Sep-19 A	02-Oct-19	27-Aug-21	27-Aug-21	5	100%											i		
PORILLS.PD1040	Predrilling for PBSH at Lift and Staircase (PD95)	15	7	0 017/08(6	29-Feb-20 A	07-Mar-20	27-Aug-21	27-Aug-21	5	100%											-		
PORI.LS.PD1040-0	Demobilization of Rig 2 off site	1	1	0 017/08(6	07-Mar-20 A	07-Mar-20	30-Sep-23	30-Sep-23	0	100%													
PORILLS.PD1050	Predrilling for PBSH at Lift and Staircase (PD96)	15	11		03-Oct-19 A	16-Oct-19	27-Aug-21	27-Aug-21	5	100%	II T						T			ii T			
Rig 5		0	0	0 247/00/0	02 1 1 00 1	00.0	07.4	04.0	0														
Construction of PBSH (14 PORILS.HP0900	nos, 7D/pile, 1 rig) Mobilization of PBSH rig	84 10	71 10		03-Jul-20 A 03-Jul-20 A		27-Aug-21 27-Aug-21	04-Dec-21 27-Aug-21	0	100%													
PORILIS.HP0900	Construction of PBSH (10nos,7D/pile,1 rig)	49	36		13-Aug-20 A	23-Sep-2(	04-Dec-21	27-Aug-21 04-Dec-21	0	100%												1	
PORILIS.HP1000	Construction of PBSH (Tonos,7D/pile,1 rig) Construction of PBSH (5nos,7D/pile,1 rig)	21	23		13-Aug-20 A 15-Jul-20 A	· ·	27-Aug-21		0	100%	╟╟╌╢	╋╋┝	·		++ <b> </b> -		·		<b></b> -	8 <b>-</b> -			-
Excavation to Pile Cap Le		10	10	-	09-Mar-21 A	19-Mar-21	-	04-Dec-21		.8mPl											-		
PORILLS.EX1010	Excavation to Pile Cap Level (+5.0mPD to +2.8mPD)	10	10	· · · ·	09-Mar-21 A				0	100%													
Construction of Pile Caps		23	55		20-Mar-21 A					ps (5 P	C 140	/Cap, 3	teams)									1	
PORI.LS.PC1000	Construction of Pile Caps (5PC, 14D/cap, 3 teams)	23	55	0 017/08(6	20-Mar-21 A	31-May-21	04-Dec-21	04-Dec-21	0	100% cap, 3	leams)												
Construction of Column (4		36	66	`	11-Jun-21 A			04-Dec-21		A, Co			olumn (4p		1 I I I		/ TT			II T			ĺ
PORILLS.CO1000	Construction of Columns (4 columns, 18D/column, 2teams)	36	66		11-Jun-21 A	-		04-Dec-21	0	100% on of (											-		
	ation Level (+2.8mPD to +4.4mPD) (6 Layers, 5D/layer)	30	4		04-Jun-21 A			04-Dec-21		Forma		el <b>1</b> 28	mPD to +	4.4mPD)	(6 Lave	ers, 5D/la	yer)						
PORILS.BF1010	Backfilling to Interim Formation Level (+2.8mPD to +4.4mPD)	30	4		04-Jun-21 A			04-Dec-21	67	100% /el (+2										34	in 22 C	onot	
Construction of Lift and Si PORI.LS.1060	Construction of Lift Structure	203 120	113 113	184 017/08(6 10 017/08(6	24-Jun-21 A 24-Jun-21 A	24-Jun-22 18-Nov-21	18-Aug-21 04-Dec-21	30-Mar-22 15-Dec-21	-67 23 0	91.67%		Constr	ction of Li	i Structu	Jre				-11-7	24-JU	ın-22, C	JIISUJUC	-
PORILES. 1060	Construction of Staircase Structure	120	0	100 017/08(6		10-Mar-22	18-Aug-21	15-Dec-21	-67	0%		FT FT		induciu	+	Construct	tion of F	Staircase	Stuc	ture	-	-	
PORILS.1070	Cabling and Energizing by C1	30	0	30 017/08(6		23-Dec-21	10-Feb-22	16-Mar-22	65 0	0%			Cabling	and Ene	errizina	1 by C1							
	Testing and Commissioning	12	0	12 017/08(6		17-Mar-22	17-Mar-22	30-Mar-22	11 0	0%	II T		1		H	Testing	and Cr	orrmissi	onina	÷		-	
PORILS.1080			-								11 I I	1111	1				·+		+++ <sup>2</sup> 1:	4 📕	:	-	
PORILS.1080 PORILS.1090	Sump Pit and associated drainage	28	0	28 017/08(6	11-Mar-22	13-Apr-22	16-Dec-21	20-Jan-22	-67	0%		<b>::</b> :	1 :	; I	<b>!</b>		Sum	Fil and	assodia	ated	1rainaσ∈	۹ (L	

Actual Level of Effort Actual Work Remaining Work



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Contract No.: NE/2017/08 Cross Bay Link, Tseung Kwan O **Road D9 and Associated Works** Page 15 of 26

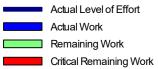


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		date (J	ul 202	1)				StL		
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	Activity Name		Actual Remaini		Start	Finish	Late Start	Late Finish	Total TRA									2022		
	and Desinger Diversion of Evision 4500 and in 1 - Object 4510 and 201		nation Durati	_	06.0-+ 00.1	22.0-1.00	02.0 01	02.0 01	Float	Complete Oct	Nov	Dec	Jan	Feb	Mar	Apr M	/ay Ju	un .	Jul	Aug
<ul> <li>PORIII.ED.GD.0190</li> <li>PORIII.ED.GD.0210</li> </ul>	2nd Drainage Diversion of Existing 1500mm pipe from SMH011 ELS to SMH Further Excavation and Installation of ELS (lagging) to +0.83mPD for SMH01	14	15 9		06-Oct-20 A 23-Oct-20 A	22-Oct-20 03-Nov-20	02-Sep-21 02-Sep-21	02-Sep-21 02-Sep-21	0	100% 100% MI052										
PORIILED.GD.0210	Further Excavation and Installation of ELS (lagging) to +0.31mPD for SMH01	10	-		22-Dec-20 A	20-Jan-21	02-Sep-21 02-Sep-21	02-Sep-21 02-Sep-21	0	100% 10052				M052)						
PORII.ED.GD.0220	Construction of Manhole SMH011 (1st Portion) (below +2.9mPD) (PMI052)	17	45		05-Nov-20 A	29-Dec-20	02-Sep-21 02-Sep-21	02-Sep-21 02-Sep-21	0	100 % 12 110	T''Y		VGE 100, F	1/1032)						
PORII.ED.GD.0230		10			12-Mar-21 A	23-Mar-21	02-Sep-21 02-Sep-21		0	100 %										
	Construction of Manhole SMH012 (1st Portion) (below +2.9mPD) PMI052)	10						02-Sep-21	0	100% 9/11/2		<b>*</b>								
<ul> <li>PORIII.ED.GD.0250</li> <li>PORIII.ED.GD.0250-01</li> </ul>	Backfilling for SMH011 to +2.3mPD (PMI052) Excavation to +2.3mPD for PC30 (PMI052)	4			30-Dec-20 A 05-Jan-21 A	04-Jan-21 09-Jan-21	02-Sep-21 02-Sep-21	02-Sep-21 02-Sep-21	0	100%										
PORIILED.GD.0250-01	Removal of Struts in ELS for SMH011 and Cutting of Sheet Piles at +2.3mP	4			03-Jan-21 A 04-Jan-21 A	11-Jan-21	02-Sep-21 02-Sep-21	02-Sep-21 02-Sep-21	0	100% 100% PM052	I II									
PORIILED.GD.0200	Backfilling for SMH012 to +2.3mPD (PMI052)	10		· ·	12-Mar-21 A	23-Mar-21	02-Sep-21 02-Sep-21	02-Sep-21 02-Sep-21	0	100%	1									
PORIII.ED.GD.0270-01	Excavation to +2.3mPD for PC18 (PMI052)	4			24-Mar-21 A	27-Mar-21	02-Sep-21	02-Sep-21	0	100%										
PORIILED.GD.0270-01	Removal of Struts in ELS for SMH012 and Cutting of Sheet Piles at +2.3mP	4			29-Mar-21 A	01-Apr-21	02-Sep-21 02-Sep-21	02-Sep-21 02-Sep-21	0	100 %			(PMI052)	÷+						
PORIILED.GD.0280	Excavate to +2.3mPD for Grid 3	5			09-Mar-21 A	13-Mar-21	02-Sep-21 02-Sep-21	02-Sep-21 02-Sep-21	0	100%		2011	(FIVII032)							
PORIII.ED.GD.1010-02		8			17-Nov-20 A	25-Nov-20		27-Aug-21	0	100%										
PORIII.ED.GD.1010-02		8			14-Jan-21 A	19-Jan-21	02-Sep-21	02-Sep-21	0	100%										
PORIILED.GD.1010-03		8	8		07-Apr-21A	15-Apr-21	02-Sep-21	02-Sep-21	0	100 %		(FMI052								
PORIILED.GD.1010-04		8	5		16-Jan-21 A	21-Jan-21	02-Sep-21	02-Sep-21	0	100%	F f		·/	·			+++-			
PORIII.ED.GD.1010-05		8	6		16-Nov-20 A	21-Nov-20	27-Aug-21	27-Aug-21	0	100%										
PORIILED.GD.1010-00	Construction of PC30 (PMI052)	9	10		20-Jan-21 A	30-Jan-21	02-Sep-21	02-Sep-21	0	100 %										
PORIII.ED.GD.1020	Construction of PC28 (PMI052)	9	8	· ·	27-Nov-20 A	05-Dec-20		27-Aug-21	0	100%										
PORIILED.GD.1021	Construction of PC26 (PMI052)	9	-	· ·	26-Nov-20 A	05-Dec-20	27-Aug-21	27-Aug-21	0	100%										
PORIILED.GD.1022	Construction of PC24 (PMI052)	9			25-Nov-20 A	05-Dec-20	27-Aug-21 27-Aug-21	27-Aug-21	0	100%	┞╌╂	•		·						
PORIII.ED.GD.1023	Construction of PC22 (PMI052)	9			23-Nov-20 A	05-Dec-20	-	27-Aug-21 27-Aug-21	0	100%										
PORIII.ED.GD.1024	Construction of PC22 (PMI052) Construction of PC20 (PMI052)	9	33	· ·	28-INOV-20 A 16-Apr-21 A	27-May-21	02-Sep-21	02-Sep-21	0	100%										1
PORIII.ED.GD.1025	Construction of PC18 (PMI052)	9		· ·	16-Apr-21 A	27-Way-21 26-May-21	02-Sep-21 02-Sep-21	02-Sep-21 02-Sep-21	0	100%										
PORIII.ED.GD.1026		9			19-Dec-20 A	07-Jan-21	02-Sep-21 02-Sep-21		0	100%										
PORIII.ED.GD.1027 PORIII.ED.GD.1028	Construction of PC16 (PMI052)	9			19-Dec-20 A 23-Dec-20 A			02-Sep-21	0	100%	<u></u> ⊦-∦	╋╋					#+-			·····-
PORIII.ED.GD.1028	Construction of PC14 (PMI052) Backfilling to Interim Formation Level by Rolling (7 Layers, 1.5D/Layer) (Grid	9				07-Jan-21 17-May-21	02-Sep-21 02-Sep-21	02-Sep-21	0	100% Rolling	ال ا	C I ET	Layer) (Gri	id D)						
PORIII.ED.GD.1030	Backfilling to interim Formation Level by Rolling (7 Layers, 1.5L/Layer) (Grid Construction of Column at PC30	11			05-May-21 A 13-Mar-21 A	17-May-21 09-Apr-21	02-Sep-21 02-Sep-21	02-Sep-21	0	100% kolling /	La	as (13L//	Layer)(Gh	μu)						
PORIII.ED.GD.1050	Construction of Column at PC30 Construction of Column at PC28	10			13-Mar-21 A 19-Jan-21 A	10-Feb-21	02-Sep-21 02-Sep-21	02-Sep-21 02-Sep-21	0	100%										
PORIII.ED.GD.1080	Construction of Column at PC28 Construction of Column at PC26	10		· · ·	19-Jan-21 A 19-Jan-21 A	29-Jan-21	02-Sep-21 02-Sep-21	02-Sep-21 02-Sep-21	0	100%										1
PORIILED.GD.1070	Construction of Column at PC26	10			19-Jan-21 A		02-Sep-21 07-Sep-21		0	100%	┞╌╂	<b>.</b>		++						
PORII.ED.GD.1080	Construction of Column at PC22	10			19-Jan-21 A	29-Jan-21 23-Jul-21	07-Sep-21 07-Sep-21	07-Sep-21 07-Sep-21	0	100 % nn at PC	2									
PORIILED.GD.1000	Construction of Column at PC22	10			27-Apr-21 A	23-Jul-21	07-Sep-21 07-Sep-21	07-Sep-21 07-Sep-21	0	100 % in at P										
PORIILED.GD.1110	Construction of Column at PC18	10			27-Apr-21 A	08-May-21	07-Sep-21	07-Sep-21	0	100%	1 1									
PORII.ED.GD.1120	Construction of Column at PC16	10	10		15-Mar-21 A	25-Mar-21	07-Sep-21 07-Sep-21	07-Sep-21	0	100%										
PORIILED.GD.1120	Construction of Column at PC14	10	10		15-Mar-21 A	25-Mar-21	07-Sep-21 07-Sep-21	07-Sep-21 07-Sep-21	0	100 %	┞╌╂	•		· { {·						
_	D) + Abutment 2B (28D) + Bearing hstallation (14D)	292	292		15-Apr-20 A	09-Apr-21	08-Sep-21	30-Sep-23	U U	t 2B (2			; stalation (	(140)						
PORIII.AB2B.1000	Excavation to Pile Cap Founding Level (Abutment 2B)	10		`	15-Apr-20 A	12-Jun-20	08-Sep-21	08-Sep-21	0	100%	T′ 11			(1-12)						
PORIII.AB2B.1002	Trimming of Bored Pile Head (3nos) (Abutment 2B)	15			04-May-20 A	24-Jun-20	08-Sep-21	08-Sep-21	0	100%										
PORIII.AB2B.1005	Construction of PC42	16			26-Jun-20 A	09-Jul-20	08-Sep-21	08-Sep-21	0	100%										
PORIII.AB2B.1007	Backfilling to Interim Formation Level (7 Layers, 5D/Layer) (Abutment 2B)	35		· ·	13-Jul-20 A	31-Jul-20	30-Sep-23	30-Sep-23	0	100%	1-1			1 1						
PORIII.AB2B.1010	Construction of Abutment 2B (1st pour)	14	25	0 017/08(6	13-Jul-20 A	10-Aug-20	08-Sep-21	08-Sep-21	0	100%										
PORIII.AB2B.1010-01	Construction of Abutment 2B (2nd pour)	14			01-Dec-20 A	16-Dec-20	08-Sep-21	08-Sep-21	0	100%										
PORIII.AB2B.1020	Bearing Installation at Abutment 2B	14	14	0 017/08(6	20-Mar-21 A	09-Apr-21	08-Sep-21	08-Sep-21	0	100%										
Construction of Beam/Slal	b (11bays, 30D/bay incl. topping, 6 teams)	330	190 1	88 017/08(6	23-Mar-21 A	29-Jun-22	02-Sep-21	14-Apr-22	-59		┝╴╫		-	-		_	╋┿┿╸	2	29-Jun 22	2, Const
PORIII.ED.PB1009	Scaffolding Erection for Beam+Slab Bay 4	12	52	0 017/08(6	23-Mar-21 A	29-May-21	02-Sep-21	02-Sep-21		100% ay 4										
PORIII.ED.PB1010	Construction of Beam+Slab Bay 4	28	40	0 017/08(6	20-May-21 A	08-Jul-21	02-Sep-21	02-Sep-21	0	100% ab Bay										
PORIII.ED.PB1011	Construction of 1m wall & parapet at deck at Bay 4	28	34	28 017/08(6	27-Sep-21 A	09-Dec-21	02-Sep-21	06-Oct-21	-54	0%		i Co	nstruction	of 1m wal	ll & parapet	at deck at	t Bay 4			
PORIII.ED.PB1019	Scaffolding Erection for Beam+Slab Bay 3	12	31	0 017/08(6	28-May-21 A	06-Jul-21	07-Sep-21	07-Sep-21		100% am+S	i Bay									
PORIII.ED.PB1020	Construction of Beam+Slab Bay 3	28	43	0 017/08(6	06-Jul-21 A	25-Aug-21	07-Sep-21	07-Sep-21	0	100% h of B	n+\$i	ар Вау В								
PORIII.ED.PB1021	Construction of 1m wall & parapet at deck at Bay 3	28	32	0 017/08(6	27-Sep-21 A	05-Nov-21	07-Oct-21	07-Oct-21		100%	Con	sinucion	of 1m wall	l & parape	t at deck at	Bay 3				
PORIII.ED.PB1029	Scaffolding Erection for Beam+Slab Bay 1	20	49	0 017/08(6	16-Aug-21 A	15-Oct-21	07-Sep-21	07-Sep-21		100% So	iddin	<b>e Erectio</b> r	n for Beam	n+Slab Ba	y 1					
PORIII.ED.PB1030	Construction of Beam+Slab Bay 1	28	34	1 017/08(6	27-Sep-21 A	08-Nov-21	07-Sep-21	07-Sep-21	-50 0	96.43%	đ	inglation	n of Beam	+Slab Bay	/1					
PORIII.ED.PB1031	Construction of 1m wall & parapet at deck at Bay 1	28	0	28 017/08(6	09-Nov-21	10-Dec-21	08-Sep-21	12-Oct-21	-50	0%	Ħ		onstruction	of 1m wa	ll & parapet	tatdecka	t Bay 1			
PORIII.ED.PB1039	Scaffolding Erection for Beam+Slab Bay 2	12	44	0 017/08(6	19-Aug-21 A	12-Oct-21	08-Sep-21	08-Sep-21		100% Scaff			for Beam-							
PORIII.ED.PB1040	Construction of Beam+Slab Bay 2	28	25	0 017/08(6	13-Oct-21 A	12-Nov-21	08-Sep-21	08-Sep-21	0	100%	l A	instructio	on of Beam	n+Slab Ba	y 2	T I				
PORIII.ED.PB1042	Construction of 1m wall & parapet at deck at Bay 2	28	0	28 017/08(6	19-Nov-21	21-Dec-21	08-Sep-21	12-Oct-21	-59	0%	┝╸╡		Construct	tion of 1m	wal & para			<b>1 1 1</b>		
PORIII.ED.PB1050	Laying of Concrete Barrier & Cable Duct	45	0	45 017/08(6	10-Dec-21	07-Feb-22	07-Oct-21	29-Nov-21	-54	0%				📕 Layin	ng of Concre	ete Barrier	8 Cable I	Duot		
PORIII.ED.PB1055	Drawpit and Cable duct laying for TCSS and Lighting	45	0	45 017/08(6	22-Dec-21	18-Feb-22	21-Jan-22	18-Mar-22	24	0%		<b>      +</b> □			rawpit and (	Cable duc	t aying for	r TCSS	and Ligh	iting
PORIII.ED.PB1060	MJ Installation	40	0	40 017/08(6	22-Dec-21	12-Feb-22	13-Oct-21	29-Nov-21	-59	0%		L <b>∦</b> ┣+■		MJ MJ	Installation					
PORIII.ED.PB1070	Water Proofing	60	0	60 017/08(6	14-Feb-22	28-Apr-22	30-Nov-21	14-Feb-22	-59	0%				L-			aler Propfi	irg		
PORIII.ED.PB1080	Road Pavement	50	0	50 017/08(6	29-Apr-22	29-Jun-22	15-Feb-22	14-Apr-22	-59	0%								R	Road Pav	/ement
Drainage Works		253		`	16-Nov-20 A	04-Mar-22	20-Nov-21	14-Apr-22	34		┝╫				🗸 04-Mar-2	2, Drainag	j <b>e Works</b>			
PORIII.ED.DRA1110	Construction of Drainage SMH109 to SMH012	45	121		16-Nov-20 A	17-Apr-21	20-Nov-21	20-Nov-21	0	100%										
PORIII.ED.DRA1120-01	Construction of Manhole SMH011 (2nd Portion) (above +2.9mPD) (PMI052)	10	10	0 017/08(6	27-May-21 A	08-Jun-21	20-Nov-21	20-Nov-21	0	100% 2nd Fo			2.9mPD) (F					<u> </u>		
PORIII.ED.DRA1120-02		10	10	-	08-Jun-21 A	21-Jun-21	20-Nov-21	20-Nov-21	0		Porti	n (abov	/e +2.9mP	D) (PMI052	2)					
PORIII.ED.DRA1130-01		30		30 017/08(6		11-Dec-21	20-Nov-21	28-Dec-21	12 0	0%	Ħ	C C	onstruction	of Draina	ge Pipe bet		H012 and	SMH01	11	
PORIII.ED.DRA1140	Laying of Water Main	45		45 017/08(6		09-Feb-22	28-Dec-21	23-Feb-22	12 0	0%			-	Layir	ng of Water	Main				
PORIII.ED.DRA1150	Civil Provision for TCSS	20		20 017/08(6		04-Mar-22	23-Feb-22	18-Mar-22	12	0%					Civil Prov	ision for T	CSS			-
PORIII.ED.DRA1160	Laying of Ducting for Road Lightings	20		20 017/08(6		04-Mar-22	23-Feb-22	18-Mar-22	12	0%	ĻШ			-	Laying of	f Ducting f	for Road L	ightings	3	
PORIII.ED.DRA1170	Road Paving	40		40 017/08(6		23-Dec-21	26-Feb-22	14-Apr-22	89	0%	Ħ	₽₩₽	Road Pa	iving		T	II T			
	e Enclosure (CH13360.1 to CH13482.1) (Portion II + III)	82		82 017/08(6		01-Mar-22	05-Jan-22	14-Apr-22	37		1				0 -Mar-22 of Semi-Nois	2, <b>C</b> onstruc	sion of Se	eini Nois	se Endos	sure (C
PORIII.ED.NE1020	Construction of Semi-Noise Enclosure CH13376.082 to CH13482.101 Main	41	0	41 017/08(6	19-Nov-21	08-Jan-22	05-Jan-22	24-Feb-22	37 0	0%			Con	struction of	of Semi-Nois	se Enclosi	JIC CH133	376,082	0 CH13	J482.10
				1						I								Data	<u> </u>	
Actual Level of Effor	rt 🔶 Milestone					Contra	ct No.: N	NE/2017/	08		3	-						Date		
Actual Work	summary in the summary	工程拓	屈單		C	OFF Dav	Link T	soung V.	van O			1						Mar-2		Mont
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Remaining Work		Engineeri		4d	R	oad D9	and Asso	ociated V	Vorks			D.			Ki	-	- 09	Jul_21	t	Mont
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nig 6									0	Oct	Nov	De	c Jan	Feb N	Mar	Apr	May	Jun	Jul	Aug	Sep
	e PBSH (40 nos, 7D/pile, 1-2 rigs)				27-Aug-19 A	17-Apr-20	27-Aug-21	03-Sep-21													
PORIII.UT.HP1010	Alternative PBSH (7D/pile, UP40,35,38,33,36,31,26,21,28,16,11,15,10,13,6	28	93 0	0 017/08(6	27-Aug-19 A	16-Dec-19	27-Aug-21	27-Aug-21	0	100%									,		
PORIII.UT.HP1020	Alternative PBSH (7D/pile, UP30,37,32,23,25,20,18,27,22,17,12,14,19,24,2	45	82 0	0 017/08(6	15-Oct-19 A	21-Jan-20	03-Sep-21	03-Sep-21	0	100%										1	
PORIII.UT.HP1410	Pile Loading Test (28D Concrete Cube + 14D Setup)	33			06-Apr-20 A	17-Apr-20	03-Sep-21	03-Sep-21	0	100%			1								
Construction of U-trough PORIILUT.ST1010	Structure Excavation to Pile Cap Founding Level (+4.4mPD to +3.8mPD)(2000m3)	637 ·	488 187 72 0		16-Mar-20 A 16-Mar-20 A	28-Jun-22 13-Jun-20	28-Aug-21 03-Sep-21	30-Sep-23 03-Sep-21	375	100%									28 Jun	1-22, Cons	structio
PORIILUT.ST1025	Trimming of Pile Head and Installation of Capping Plate	60		· ·	06-May-20 A	04-Jul-20	03-Sep-21	03-Sep-21	0	100%											
PORIILUT.ST1035	Review Design on U-trough Structure due to Additional Design Requirement				06-Jul-20 A	21-Oct-20	03-Sep-21	03-Sep-21	0	100%			1							1	
PORIILUT.ST1100	Construction of Base Slab Bay 1	18		· ·	03-Sep-20 A	21-Sep-2(	03-Sep-21	03-Sep-21	0	100%										1	
PORIILUT.ST1105	Site Clearance for U-trough Bay 2 to Bay 5 (NCE119)	4			22-Oct-20 A	27-Oct-20	30-Sep-23	30-Sep-23	0	100%											
PORIILUT.ST1107	Excavation to Revised Formation Level and Construction of New Blinding for	10			28-Oct-20 A	13-Nov-20	03-Sep-21	03-Sep-21	0	100%										1	
PORIILUT.ST1110	Construction of Base Slab Bay 2	18			14-Nov-20 A	30-Nov-20	03-Sep-21	03-Sep-21	0	100%											
PORIILUT.ST1115	Excavation to Revised Formation Level, Construction of New Blinding for Ba	10			30-Oct-20 A	03-Dec-20	03-Sep-21	03-Sep-21	0	100%											
PORIILUT.ST1117	Re-construction of Capping Plate for Bay 3	10			02-Dec-20 A	14-Dec-20	03-Sep-21	03-Sep-21	0	100%										1	
PORIILUT.ST1120	Construction of Base Slab Bay 3	18	12 0	0 017/08(6	15-Dec-20 A	30-Dec-20	03-Sep-21	03-Sep-21	0	100%										-	
PORIILUT.ST1125	Re-construction of Capping Plate for Bay 4	10	13 0	0 017/08(6	15-Dec-20 A	31-Dec-20	03-Sep-21	03-Sep-21	0	100%											
PORIILUT.ST1130	Construction of Base Slab Bay 4	18	9 0	0 017/08(6	07-Jan-21 A	16-Jan-21	03-Sep-21	03-Sep-21	0	100%										·+	1
PORIILUT.ST1150	Construction of Internal Wall Stem Bay 1	14	12 0	0 017/08(6	14-Apr-21 A	28-Apr-21	03-Sep-21	03-Sep-21	0	100%											
PORIILUT.ST1160	Construction of Internal Wall Stem Bay 2	14	14 0	0 017/08(6	22-Feb-21 A	09-Mar-21	03-Sep-21	03-Sep-21	0	100%										1	
PORIILUT.ST1170	Construction of Internal Wall Stem Bay 3	14		· ·	18-May-21 A	03-Jun-21	03-Sep-21	03-Sep-21	0	100% ay 3											
PORIILUT.ST1180	Construction of Internal Wall Stem Bay 4	11			01-Apr-21 A	17-Apr-21	03-Sep-21	03-Sep-21	0	100%											
PORIILUT.ST1190	Construction of Internal Wall Stem Bay 5	14			13-Apr-21 A	11-May-21	03-Sep-21	03-Sep-21	0	100%		<u>∦</u> ∦∦						计常			
PORIILUT.ST1200	Construction of External Wal Stem Bay 1 (Sea Side)				08-May-21 A	13-Nov-21	28-Aug-21	03-Sep-21	-58 0	60%	i i	onstruk	tion of Exte	mal Wall Ste	m Bav	1 (Sea Sic	e)				
PORIILUT.ST1210	Construction of External Wall Stern Bay 2 (Sea Side)	14			26-May-21 A	18-Jun-21	04-Sep-21	04-Sep-21	0	100% em	B y 2 (S	a side								1	
PORIILUT.ST1220	Construction of External Wall Stern Bay 3 (Sea Side)	14			29-Nov-21	14-Dec-21	25-Sep-21	12-Oct-21	-53 0	0%	ŤŤ		Constructio	n of External	Wals	stem Bay?	(Sea Sir	e)			
PORIILUT.ST1230	Construction of External Wall Stern Bay 1 (Land side)	14	•	-	03-May-21 A	18-May-21	04-Sep-21	04-Sep-21	0	100%   (La	nteide					, 0			, I	1	
PORIILUT.ST1240	Construction of External Wall Stern Bay 2 (Land side)				23-Jun-21 A	16-Nov-21	04-Sep-21	06-Sep-21	-58 0	85.71%		Constru	cton of Exte	ernal Wall Ste	em Bav	v 2 (Land s	de				
PORIILUT.ST1241	Construction of External Wall Stern Bay 3 (Land side)	4			16-Nov-21	20-Nov-21	07-Sep-21	10-Sep-21	-58	0%				ternal Wall S		· ·					
PORIILUT.ST1242	Excavation to Revised Formation Level, Construction of New Blinding for Ba	10			09-Mar-21 A	19-Mar-21	03-Sep-21	03-Sep-21	0	100% w B	lindina fo	Bave					l í l			1	
PORIILUT.ST1243	Construction of Base Slab Bay 5	18			08-Nov-21	27-Nov-21	03-Sep-21	24-Sep-21	-53 0	0%			struction of I	Base Slab Ba	av 5						
PORIILUT.ST1244	Construction of Internal Wall Stem Bay 6	14		4 017/08(6		14-Dec-21	25-Sep-21	12-Oct-21	-53 0	0%				n of Internal		tem Bav 6				1	
PORIILUT.ST1250	Backfilling from +5.9mPD to +8.2mPD (8layers, 5D/layer)				26-Jun-21 A	07-Dec-21	24-Sep-21	28-Sep-21	-58 0	95%	1			m +5.9mPD	to +8.2	2mPD (8lav	ers 5D/k	ivel)			
PORIILUT.ST1260	Concrete Barrier and Laying of Cable Duct	60			04-Jan-22	18-Mar-22	26-Oct-21	06-Jan-22	-58	0%	$\mathbf{T}$		4		-0	oncrete Bar	rierand I	aving	of Cable	e Duct	-
PORIILUT.ST1270	Road Paving	80			18-Mar-22	28-Jun-22	07-Jan-22	14-Apr-22	-58	0%					i i i i i i i i i i i i i i i i i i i		لنسالها		Road F		
Drainage Works	5				07-May-21 A	01-Apr-22	15-Dec-21	14-Apr-22	11		┽┽┽		-			01-Apr-2	2, Graina	ge Work			1
PORIII.UT.DRA2020	Construction of Drainage SMH011 to SMH010	45	130 0	0 017/08(6	07-May-21 A	12-Oct-21	15-Dec-21	15-Dec-21	0	100% C	orstruct	n of D	ainage SMH	011 to SMH0	0 0						1
PORIII.UT.DRA2030	Construction of Drainage SMH010 to SMH009	45	59 7	7 017/08(6	27-Aug-21 A	10-Dec-21	15-Dec-21	22-Dec-21	11 0	85%		<b>N</b>	Construction	of Drainage	SMH01	10 to SMH	00				
PORIII.UT.DRA2050	Laying of Watermains	45	0 45	5 017/08(6	10-Dec-21	08-Feb-22	23-Dec-21	19-Feb-22	11 0	0%		1177-1		Laying	of Wat	termains					-
PORIII.UT.DRA2060	Laying of Ducting for Power Cable	45	0 45	5 017/08(6	10-Dec-21	08-Feb-22	23-Dec-21	19-Feb-22	11	0%		║┡				ting for Po Road Pa	ver Cable				
PORIII.UT.DRA2070	Road Paving	45	0 45	5 017/08(6	08-Feb-22	01-Apr-22	21-Feb-22	14-Apr-22	11	0%			8	• <b></b>	t i i i i i i i i i i i i i i i i i i i	Road Pa	vinc			5 5 5	
Construction of Semi-Nois	se Enclosure (CH13482.1 to 13580.3), Sign Gantry and Directional Sign	133	0 133	3 017/08(6	07-Dec-21	25-May-22	29-Sep-21	14-Apr-22	-30											struction o	
PORIII.UT.NB1020	Construction of Semi-Noise Enclosure CH13482.101 to 13576.309 Main Fra	75		5 017/08(6			29-Sep-21	29-Dec-21	-58 0	0%			:	: -	Conist	struction of					1
PORIILUT.NB1030	Construction of Semi-Noise Enclosure CH13482.101 to 13576.309 Sub Frar	75		5 017/08(6		18-Mar-22	07-Oct-21	06-Jan-22	-58 0	0%						onstruction					
PORIII.UT.NB1040	Excavation and Construction of Directional Sign Footing DS1	14			11-Mar-22		05-Feb-22	21-Feb-22	-30 0	0%				-		Excavation	and Co	nstrucție	on of Di	rectional	Sign I
PORIII.UT.NB1050	Backfilling to Formation Level	20	0 20	0 017/08(6	11-Mar-22	04-Apr-22	26-Feb-22	21-Mar-22	-12 0	0%				-	-	Backfillir	g io For	natonil	Level	1	
PORIII.UT.NB1060	Installation of Directional Sign and Steel Frame	10	0 10	0 017/08(6	04-Apr-22	20-Apr-22	22-Mar-22	01-Apr-22	-12 0	0%				ļ		linst	allation o	f Directi	ional Sig	gn and St	ieel Fr
PORIII.UT.NB1070	Excavation and Construction of Directional Sign Footing DS2	14			28-Mar-22	14-Apr-22	22-Feb-22	09-Mar-22	-30 0	0%					-	Extra	vation an	d Conis	truction	of Directir	dnal S
PORIII.UT.NB1080	Backfilling to Formation Level	20			14-Apr-22	13-May-22	10-Mar-22	01-Apr-22	-30 0	0%						-				tion Level	
PORIII.UT.NB1090	Installation of Directional Sign and Steel Frame	10			13-May-22	25-May-22	02-Apr-22	14-Apr-22	-30 0	0%						4	n in	stalatio	n of Dire	ectional S	ign ar
e Protection Works (Port					02-May-19 A	25-Jul-19,	14-Apr-22	14-Apr-22			$\parallel$						ЦĽ				
TP1020	Tree Transplant Works	88		_	02-May-19 A	25-Jul-19,	14-Apr-22	14-Apr-22	0	100%				ĮĮ			11.1				
dification of Seawall (Por	· · · · · · · · · · · · · · · · · · ·						23-Sep-21	30-Sep-23	495					27-Jan-22,	, Modific	cation of S	eavall (P	ortion II	i an <mark>d</mark> III)		
Weather Protection System					01-Dec-18 A			30-Sep-23											,		
SW1010	Site Trial for Weather Protection System	2			01-Dec-18 A		30-Sep-23	30-Sep-23	0	100%											
SW1020	Installation of Temporary Wave Form Wall for Weather Protection (1st layer)	48			01-Feb-19 A		30-Sep-23	30-Sep-23	0	100%										1	
SW1030	Installation of Temporary Wave Form Wall for Weather Protection (2nd layer)	14			02-Apr-19A		30-Sep-23	30-Sep-23	0	100%				ļ							
Seawall Modification Type 1					13-Apr-21 A	27-Jan-22	06-Nov-21	27-Jan-22	-1	1000				27-Jan-22,	, Seawa	all Modifica	tion Type	1			
SW.WWI.1010	Break Concrete Copping for Bay 1	14			13-Apr-21 A	28-Apr-21	06-Nov-21	06-Nov-21		100%											1
SW.WWI.1020	Break Concrete Copping for Bay 2	14			16-Apr-21 A	03-May-21	06-Nov-21	06-Nov-21		100%										1	
SW.WWI.1030	Break Concrete Copping for Bay 3	14			22-Apr-21 A	08-May-21	10-Nov-21	10-Nov-21		100%										1	
SW.WWI.1040	Break Concrete Copping for Bay 4	14			19-Apr-21 A	05-May-21	10-Nov-21	10-Nov-21		100%		.		ļ	- <b> </b>		[ <b>.</b>				
SW.WWI.1050	Break Concrete Copping for Bay 5	14		-	17-Apr-21 A	04-May-21	10-Nov-21	10-Nov-21		100%									, I		
SW.WWI.1060	Break Concrete Copping for Bay 6	14			26-Apr-21 A	12-May-21	10-Nov-21	10-Nov-21		100%										1	
SW.WWI.1070	Break Concrete Copping for Bay 7	14		0 017/08(6	05-May-21 A	21-May-21	10-Nov-21	10-Nov-21		100%	_		-								
SW.WWI.1080	Break Concrete Copping for Bay 8	14	14 0	0 017/08(6	14-May-21 A	31-May-21	10-Nov-21	10-Nov-21		100%										1	
SW.WWI.1090	Break Concrete Copping for Bay 9	14	14 0	0 017/08(6	24-May-21 A	08-Jun-21	24-Nov-21	24-Nov-21		100%											
SW.WWI.1100	Break Concrete Copping for Bay 10	14	0 14	4 017/08(6	08-Nov-21	23-Nov-21	03-Dec-21	20-Dec-21	23	0%		Brea	Concrete C	opping for B	ay 10						
SW.WWI.1110	Construction of Seawall Modification Type I Bay 1 (1st Pour)	12	40 0	0 017/08(6	08-May-21 A	26-Jun-21	06-Nov-21	06-Nov-21		100% icati		- B : 1									
	Construction of Seawall Modification Type 1 Bay 1 (2nd Pour)	12	20 0	0 017/08(6	28-Jun-21 A	21-Jul-21,	06-Nov-21	06-Nov-21		100% all M	o <b>lifica</b> tio	а Туре	1 Bạy 1 (2nd	Pour)						1	
					04.0	12 Nov 21	13-Nov-21	20-Nov-21	6			1		wall Modificat	tion Two	an 1 Paul 1			. 1	1	1
SW.WWI.1111	Construction of Seawall Modification Type 1 Bay 1 (Coping)	6	36 6	5 017/08(6	24-Sep-21 A	13-Nov-21	13-1404-21	201100-21	0	0%		prisque	Nort of Ocu	ion mouniour	upii iye	Je i Day i	(Orbinia)		' <b> </b>	-	
SW.WWI.1111 SW.WWI.1112 SW.WWI.1120	Construction of Seawall Modification Type 1 Bay 1 (Coping) Construction of Seawall Modification Type I Bay 2 (1st Pour)	6 12			24-Sep-21 A 28-Jun-21 A	16-Jul-21	06-Nov-21	06-Nov-21	0	100% Mo		8	Bay 2 (1st Po			Je i Day i	(Cipilig)				



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CEDD 土木工程拓展署 Civil Engineering and Development Department Contract No.: NE/2017/08 Cross Bay Link, Tseung Kwan O Road D9 and Associated Works Page 21 of 26



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	Activity Name			maining Calendar Start	Finish	Late Start	Late Finish	Total TRA	Activity %											20	2022				_							2	2023		
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SW.WWI.1122	Construction of Seawall Modification Type I Bay 2 (Coping)	6	0	6 017/08(6 22-Nov-21	27-Nov-21		27-Nov-21	-1	0%		lification	onstructi				cation	Type I t	3ay2	(Copi	ng)															
SW.WWI.1130 SW.WWI.1131	Construction of Seawall Modification Type I Bay 3 (1st Pour) Construction of Seawall Modification Type I Bay 3 (2nd Pour)	12	12 23	0 017/08(6 16-Jul-21 A 0 017/08(6 30-Jul-21 A	30-Jul-21	10-Nov-21 19-Nov-21	10-Nov-21 19-Nov-21		100% a 100% n			Type I Ba fication 1										;		:					:						
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SW.WWI.1132	Construction of Seawall Modification Type I Bay 3 (Coping)	6	-	6 017/08(6 29-Nov-21		27-Nov-21	04-Dec-21	-1				Constru					1 Туре	16ay	3 (00	ping)															
SW.WWI.1140	Construction of Seawall Modification Type I Bay 4 (1st Pour)	12	23	0 017/08(6 30-Jul-21 A		10-Nov-21	10-Nov-21		100% n	of Sea	wal Modi	fication 1	lype I B	Say 4 (1s	st Pou	ir)																			
SW.WWI.1141	Construction of Seawall Modification Type I Bay 4 (2nd Pour)	12	19	0 017/08(6 31-Aug-21 A		19-Nov-21	19-Nov-21		100% n	strucion		all Modif												-								-			
SW.WWI.1142	Construction of Seawall Modification Type I Bay 4 (Coping)	6	0	6 017/08(6 06-Dec-21	11-Dec-21	04-Dec-21	11-Dec-21	-1	0%		1 III: 📻	Const	_				ion Typ	e I Ea	y 4 ((	Coping	9)														
SW.WWI.1150	Construction of Seawall Modification Type I Bay 5 (1st Pour)	12	7	0 017/08(6 31-Aug-21 A	08-Sep-21	10-Nov-21	10-Nov-21		100% id			lodificatio										1		1											
SW.WWI.1151	Construction of Seawall Modification Type I Bay 5 (2nd Pour)	12	17	0 017/08(6 20-Sep-21 A	12-Oct-21	19-Nov-21	19-Nov-21		100%	Const		Seawall																							
SW.WWI.1152	Construction of Seawall Modification Type I Bay 5 (Coping)	6	0	6 017/08(6 13-Dec-21	18-Dec-21	11-Dec-21	18-Dec-21	-1	0%			Cor	nstructio	on of Se	eåwal	Modific	ation 1	īуре	Baý 5	(Copi	ning)			1											
SW.WWI.1160	Construction of Seawall Modification Type I Bay 6 (1st Pour)	12	17	0 017/08(6 09-Sep-21 A	30-Sep-21	10-Nov-21	10-Nov-21		100%	onstruct	on of Se																								
SW.WWI.1161	Construction of Seawall Modification Type I Bay 6 (2nd Pour)	12	24	0 017/08(6 04-Oct-21 A	02-Nov-21	19-Nov-21	19-Nov-21		100%		Construc	tion of S	eav <mark>r</mark> all I	Modifica	tion T	ype B	ay 6 (2	nc Pc	ur)			i		i											
SW.WWI.1162	Construction of Seawall Modification Type I Bay 6 (Coping)	6	107	7 017/08(6 02-Jul-21 A	29-Dec-21	18-Dec-21	29-Dec-21	-1	0%				Cor stru	ction of	f Sea	vall Moo	dificatio	on Tyc	e I Ba	y 6 (C	Coping	)		-											
SW.WWI.1170	Construction of Seawall Modification Type I Bay 7 (1st Pour)	12	12	0 017/08(6 05-Oct-21 A	20-Oct-21	10-Nov-21	10-Nov-21		100%	d on	struction	of Seaw	all <mark>I</mark> /od	fication	Туре	I Bay 7	(1st P	our)																	
SW.WWI.1171	Construction of Seawall Modification Type I Bay 7 (2nd Pour)	12	2	4 017/08(6 05-Nov-21 A	11-Nov-21	19-Nov-21	24-Nov-21	11	66.67%	4	Const	ruction o	f Seaw	all Modif	ficatio	n Type	I Bay 7	′ (2nd	Pour																
SW.WWI.1172	Construction of Seawall Modification Type I Bay 7 (Coping)	6	0	6 017/08(6 30-Dec-21	06-Jan-22	29-Dec-21	06-Jan-22	-1	0%	$-\mathbf{H}$		<b>  L</b>	Oons	; struction	of Se	awall N	<b>Nodifica</b>	ation 1	; ype I	Bay 7	(Copi	ing)		ł											
SW.WWI.1180	Construction of Seawall Modification Type I Bay 8 (1st Pour)	12	0	12 017/08(6 08-Nov-21	20-Nov-21	10-Nov-21	24-Nov-21	3	0%	H	Cor	struction		1										:							-		1		
SW.WWI.1181	Construction of Seawall Modification Type I Bay 8 (2nd Pour)	12	0	12 017/08(6 22-Nov-21	04-Dec-21	24-Nov-21	08-Dec-21	3	0%					f Seawa							(r)			-											
SW.WWI.1182	Construction of Seawall Modification Type I Bay 8 (Coping)	6	0	6 017/08(6 07-Jan-22	13-Jan-22	06-Jan-22	13-Jan-22	-1	0%			4-44		nstructio				11	<u>``</u>		17	; ppind)		;											
SW.WWI.1192	Construction of Seawall Modification Type I Bay 9 (tst Pour)	12	0	12 017/08(6 22-Nov-21	04-Dec-21	24-Nov-21	08-Dec-21	-1	0%			Constin		4	- <del>-</del> <mark>-</mark>						Ada a la se	(Br		·····											
		12	0	12 017/08(6 06-Dec-21		24-Nov-21 08-Dec-21	22-Dec-21	3	0%				<b>_</b>	on of Se																1					
SW.WWI.1191	Construction of Seawall Modification Type I Bay 9 (2nd Pour)	12	0		18-Dec-21							Ħ¤							-		1. L	Contr	, 1	-											
SW.WWI.1192	Construction of Seawall Modification Type I Bay 9 (Coping)	0		6 017/08(6 14-Jan-22	20-Jan-22		20-Jan-22	-1	0%			LL ∠ੈ		Construc									/	-											
SW.WWI.1200	Construction of Seawall Modification Type I Bay 10 (1st Pour)	12	0	12 017/08(6 06-Dec-21	18-Dec-21	20-Dec-21	06-Jan-22	13	0%			Cor		on of Se							1 I		1	;											
SW.WWI.1201	Construction of Seawall Modification Type I Bay 10 (2nd Pour)	12	0	12 017/08(6 20-Dec-21	05-Jan-22		20-Jan-22	13	0%			r 💻		truction												ļ					ļ				
SW.WWI.1202	Construction of Seawall Modification Type I Bay 10 (Coping)	6	0	6 017/08(6 21-Jan-22	27-Jan-22		27-Jan-22	-1	0%				- H7-	Constr				ocific	itio'n	Type I	Bay	0 (Cop	ing)	-											
SW.WWI.1212	UU & TCSS Duct Laying	28	0	28 017/08(6 20-Dec-21	24-Jan-22	22-Dec-21	27-Jan-22	3	0%			┝╋═╤	۲ł	UU & T(	- i		ying							-						1					i
Seawall Modification Type 2		160	308	0 017/08(6 23-Oct-20 A			23-Sep-21	-36		-++	0BNov	21, Sea	wa Mo	dificatio	oḥ Typ	e 2							1	i								-			
SW.WWII.1010	Starter Bar Construction on Seawall Coping for Seawall Modification Type 2	60	60	0 017/08(6 23-Oct-20 A	05-Jan-21	23-Sep-21	23-Sep-21		100%							į						-	1	ļ					1						
SW.WWII.1020	Installation of Steel Bracket at Seawall Coping for Construction of Seawall M	45	45	0 017/08(6 20-Nov-20 A	14-Jan-21	23-Sep-21	23-Sep-21		100% di	fication	Type 2																								
SW.WWII.1030	Construction of Seawall Modification Type II Bay 1	10	36	0 017/08(6 22-Dec-20 A	04-Feb-21	23-Sep-21	23-Sep-21		100%				T																				-		
SW.WWII.1040	Construction of Seawall Modification Type II Bay 2	10	36	0 017/08(6 22-Dec-20 A	04-Feb-21	23-Sep-21	23-Sep-21		100%																										
SW.WWII.1050	Construction of Seawall Modification Type II Bay 3	10	54	0 017/08(6 22-Dec-20 A		23-Sep-21	23-Sep-21		100%					:									1	-		1					1				
SW.WWII.1060	Construction of Seawall Modification Type II Bay 4	10	41	0 017/08(6 22-Dec-20 A		23-Sep-21	23-Sep-21		100%														1	-							-				
SW.WWII.1070	Construction of Seawall Modification Type II Bay 5	10	29	0 017/08(6 22-Dec-20 A			23-Sep-21	+	100%					-																					
SW.WWII.1080	Construction of Seawall Modification Type II Bay 6	10	10	0 017/08(6 24-Feb-21 A		23-Sep-21 23-Sep-21	23-Sep-21 23-Sep-21		100%			- <b> </b>			+						<u> </u> +	·													
		10	10																							1					1				
SW.WWII.1090	Construction of Seawall Modification Type II Bay 7		-	0 017/08(6 09-Mar-21 A		23-Sep-21	23-Sep-21		100%														-												
SW.WWII.1100	Construction of Seawall Modification Type II Bay 8	10	10	0 017/08(6 01-Apr-21A		23-Sep-21	23-Sep-21		100%					-								i		i		1					1				
SW.WWII.1110	Construction of Seawall Modification Type II Bay 9	10	10	0 017/08(6 17-Apr-21A			23-Sep-21		100%	9														-											1
SW.WWII.1120	Construction of Remaining Seawall Modification Type II at U-trough (Bay 10-	10	158	0 017/08(6 29-Apr-21A			23-Sep-21	-36	100%		Uphstri	iction of	Remai	ning Sea																					
v	de Noise Semi Enclosures	779	667		24-Mar-22			450						1		<b>-7</b> 24	-Mar-2	2, Ca	struc	ion of	the A	t-grade	e Noise S	emi Eņ	closures	5					1				1
-	Drainage (SMH003 to SMH008)		294	0 017/08(6 09-Aug-19 A	05-Aua-2(	127-Sep-21	115-Dec-21					i I - 1												:						1	1	1			Ì
PORIII.AG.1010	Excavation from +5.5mPD to +3.5mPD for SMH003 to SMH007 (inlcude Der		0.4	`		· · · · · · · · · · · · · · · · · · ·	_		4000/					:																		1			
		30	81	0 017/08(6 09-Aug-19 A	14-Nov-19	27-Sep-21	27-Sep-21	0	100%	-				2 2 2 2 2										1		i									
PORIII.AG.1015	Road Diversion at XYZ Junction	10	10	0 017/08(6 09-Aug-19 A 0 017/08(6 14-Oct-19 A	14-Nov-19 24-Oct-19	27-Sep-21 27-Sep-21	27-Sep-21 27-Sep-21	0	100%	+													1	i		1	1								
PORIII.AG.1015 PORIII.AG.1020	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to SI	10 7	10 48	0 017/08(6 09-Aug-19 A 0 017/08(6 14-Oct-19 A 0 017/08(6 12-Sep-19 A	24-Oct-19 10-Nov-19	27-Sep-21 27-Sep-21 27-Sep-21	27-Sep-21 27-Sep-21 27-Sep-21	0	100% 100%																					1					
PORIII.AG.1015 PORIII.AG.1020 PORIII.AG.1030	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to SI Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams)	10	10	0 017/08(6 09-Aug-19 A 0 017/08(6 14-Oct-19 A	24-Oct-19 10-Nov-19	27-Sep-21 27-Sep-21 27-Sep-21	27-Sep-21 27-Sep-21	0	100% 100% 100%																					: : : : : : : : : : : : : : : : : : :		-			
PORIII.AG.1015 PORIII.AG.1020	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to SI	10 7	10 48	0 017/08(6 09-Aug-19 A 0 017/08(6 14-Oct-19 A 0 017/08(6 12-Sep-19 A	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>29-Oct-19</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21	27-Sep-21 27-Sep-21 27-Sep-21	0	100% 100%																					- - - - - - - - - - - - - - - - - - -					
PORIILAG.1015 PORIILAG.1020 PORIILAG.1030 PORIILAG.1035	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to SI Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams)	10 7 28	10 48 36	0 017/08(6 09-Aug-19 A 0 017/08(6 14-Oct-19 A 0 017/08(6 12-Sep-19 A 0 017/08(6 16-Sep-19 A	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>29-Oct-19</li> <li>15-Nov-19</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21	0 0 0	100% 100% 100%																										
PORIII.AG.1015 PORIII.AG.1020 PORIII.AG.1030	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to Si Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams) Laying of Drainage Pipe SMH003 to SMH006	10 7 28 14	10 48 36 21	0         D17/08(6         09-Aug-19 A           0         D17/08(6         14-Oct-19 A           0         D17/08(6         12-Sep-19 A           0         D17/08(6         16-Sep-19 A           0         D17/08(6         23-Oct-19 A	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>29-Oct-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21	0 0 0 0	100% 100% 100% 100%																										
PORIILAG.1015 PORIILAG.1020 PORIILAG.1030 PORIILAG.1035 PORIILAG.1040	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to Si Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams) Laying of Drainage Pipe SMH003 to SMH006 Backfilling of Drainage Trench for SMH003 to SMH006	10 7 28 14 14	10 48 36 21 21	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         16-Sep-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>29-Oct-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>21-Nov-19</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21	0 0 0 0 0	100% 100% 100% 100% 100%																										
PORILAG.1015           PORILAG.1020           PORILAG.1030           PORILAG.1035           PORILAG.1040           PORILAG.1042           PORILAG.1044	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to Si Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams) Laying of Drainage Pipe SMH003 to SMH006 Backfilling of Drainage Trench for SMH003 to SMH006 Manhole Construction for SMH007 (14D/manhole)	10 7 28 14 14	10 48 36 21 21 7	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         16-Sep-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         14-Nov-19 A	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>29-Oct-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>21-Nov-19</li> <li>21-Nov-19</li> <li>28-Nov-19</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21	0 0 0 0 0 0	100% 100% 100% 100% 100% 100%																										
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1042           PORIILAG.1044           PORIILAG.1046	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to Si Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams) Laying of Drainage Pipe SMH003 to SMH006 Backfilling of Drainage Trench for SMH003 to SMH006 Manhole Construction for SMH007 (14D/manhole) Laying of Drainage Pipe SMH006 to SMH007 Backfilling of Drainage Trench for SMH006 to SMH007	10 7 28 14 14 14 7 7 14	10 48 36 21 21 7 6	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         16-Sep-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         22-Nov-19 A	14-Nov-19           24-Oct-19           10-Nov-19           29-Oct-19           15-Nov-19           15-Nov-19           21-Nov-19           28-Nov-19           28-Nov-19           28-Nov-19	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21	0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100%																										
PORILAG.1015           PORILAG.1020           PORILAG.1030           PORILAG.1035           PORILAG.1040           PORILAG.1042           PORILAG.1044           PORILAG.1046           PORILAG.1047	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to Si         Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams)         Laying of Drainage Pipe SMH003 to SMH006         Backfilling of Drainage Trench for SMH003 to SMH006         Manhole Construction for SMH007 (14D/manhole)         Laying of Drainage Pipe SMH006 to SMH007         Backfilling of Drainage Pipe SMH006 to SMH007         Confirmation of Location of Manhole and Drainage Alignment	10 7 28 14 14 14 7	10 48 36 21 21 7 6 6	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         24-Nov-19 A           0         017/08(6         14-Nov-9 A           0         017/08(6         22-Nov-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         29-Nov-19 A	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>29-Oct-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>21-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>01-Apr-20</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21	0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%																										
PORILAG.1015         PORILAG.1020         PORILAG.1030         PORILAG.1035         PORILAG.1040         PORILAG.1041         PORILAG.1044         PORILAG.1046         PORILAG.1047         PORILAG.1048	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to SI           Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams)           Laying of Drainage Pipe SMH003 to SMH006           Backfilling of Drainage Trench for SMH003 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying of Drainage Pipe SMH007 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying of Drainage Pipe SMH006 to SMH007           Confirmation of Location of Manhole and Drainage Alignment           Sheet Piles Installation SMH008 Construction (~20m length)	10 7 28 14 14 14 7 14 30 3 3	10 48 36 21 21 7 6 6 6 101 6	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         29-Nov-19 A           0         017/08(6         29-Nov-19 A           0         017/08(6         29-Nov-20 A	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>29-Oct-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>21-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>01-Apr-20</li> <li>03-Jul-20,</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%																										
PORIILAG.1015         PORIILAG.1020         PORIILAG.1030         PORIILAG.1035         PORIILAG.1040         PORIILAG.1042         PORIILAG.1044         PORIILAG.1046         PORIILAG.1047         PORIILAG.1048         PORIILAG.1048.01	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to SI           Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams)           Laying of Drainage Pipe SMH003 to SMH006           Backfilling of Drainage Trench for SMH003 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH007 (14D/manhole)           Laying of Drainage Pipe SMH006 to SMH007           Backfilling of Drainage Trench for SMH006 to SMH007           Confirmation of Location of Manhole and Drainage Alignment           Sheet Piles Installation SMH008 Construction (~20m length)           Excavation to Formation Level for SMH008 Construction	10 7 28 14 14 14 7 14 30 3 3 3	10 48 36 21 21 7 6 6 6 101 6 3	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         29-Nov-19 A           0         017/08(6         29-Nov-19 A           0         017/08(6         20-Nov-19 A	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>29-Oct-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>21-Nov-19</li> <li>21-Nov-19</li> <li>28-Nov-19</li> <li>01-Apr-20</li> <li>03-Jul-20,</li> <li>07-Jul-20,</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%																										
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of Manhole and Drainage Alignment           Sheet Piles Installation SMH008 Construction (~20m length)           Excavation to Formation Level for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008           Backfilling of Drainage Trench for SMH008           Backfilling of Drainage Trench for SMH008           Backfilling of Drainage Trench for SMH007 to SMH008           Backfilling of Drainage Trench for SMH008           Backfilling of Drainage Trench for SMH08 <td>10 7 28 14 14 14 7 14 30 3 3 3 3 14 5 10 7 66 14 5</td> <td>10           48           36           21           7           6           101           6           3           16           5           59           14           6</td> <td>0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0       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Drainage Trench for SMH006 to SMH007           Confirmation of Location of Manhole and Drainage Alignment           Sheet Piles Installation SMH008 Construction (-20m length)           Excavation to Formation Level for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Pipe SMH007 to SMH008           Backfilling of Drainage Trench for SMH008 (14D/manhole)           Laying of Drainage Pipe SMH007 to SMH008           Backfilling of Drainage Trench for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008           Plate Load Test           Drahage (SMH201 to SMH202)           Home Quarantine due to Wuhan Pneumonia (NCE083)           Excavation for Construction of Manhole and Pipe Laying between SMH2011           Manhole Construction and Pipe Laying between SMH201 to SMH202           Utilities Ducts Laying across Road D9 (South Portion)           Backfilling to 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       Backfilling of Drainage Trench for SMH003 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH006 to SMH007           Backfilling of Drainage Trench for SMH006 to SMH007           Confirmation of Location of Manhole and Drainage Alignment           Sheet Piles Installation SMH008 Construction (~20m length)           Excavation to Formation Level for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Pipe SMH007 to SMH008           Backfilling of Drainage Trench for SMH008           Plate Load Test           Drainage (SMH201 to SMH202)           Home Quarantine due to Wuhan Pneumonia (NCE083)           Excavation for Construction of Manhole and Pipe Laying between SMH201 to SMH201 to SMH201 to SMH202           Utilities Ducts Laying across Road D9 (South Portion)           Backfilling of Interim Formation Level (+5.5mPD)           Shifting of Site Vehicle Access to Seawall Side	10 7 28 14 14 14 30 3 3 3 3 3 3 3 3 3 3 14 5 10 7 7 66 14 5 5 14 20 5 7 7 308	10 48 36 21 21 7 6 6 101 6 3 101 6 3 16 5 4 5 9 14 6 5 5 9 14 6 25 1 7 7 8 8	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         04-Jul-20 A           0         017/08(6         08-Jul-20 A           0         017/08(6         01-Aug-20 A <td><ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>21-Nov-19</li> <li>21-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>01-Apr-20</li> <li>03-Jul-20,</li> <li>07-Jul-20,</li> <li>25-Jul-20,</li> <li>25-Jul-20,</li> <li>25-Jul-20,</li> <li>26-Nag-20</li> <li>09-Nov-19</li> <li>14-Feb-20</li> <li>21-Feb-20</li> <li>21-Feb-20</li> <li>21-Mar-20</li> <li>31-Mar-20</li> <li>14-Apr-20</li> <li>14-A</li></ul></td> <td>27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 06-Nov-21</td> <td>27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>100% 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teams)           Laying of Drainage Pipe SMH003 to SMH006           Backfilling of Drainage Trench for SMH003 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH007 (14D/manhole)           Backfilling of Drainage Trench for SMH006 to SMH007           Confirmation of Location of Manhole and Drainage Alignment           Sheet Piles Installation SMH008 Construction (~20m length)           Excavation to Formation Level for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008 Backfilling of Drainage Trench for SMH007 to SMH008           Plate Load Test           Oralage (SMH201 to SMH202)           Home Quarantine due to Wuhan Pneumonia (NCE083)           Excavation for Construction of Manhole and Pipe Laying between SMH201 to SMH202           Utilities Ducts Laying across Road D9 (South Portion)           Backfilling to Interim Formation Level (+5.5mPD)           Shifting of Site Vehicle Access to Seawall Side           Variange (SMH001 to SMH003)           Excavation fo	10 7 28 14 14 14 7 14 30 3 3 3 3 3 3 3 3 3 3 14 5 10 7 <b>66</b> 14 5 14 20 15 7 7 <b>308</b> 10 7	10           48           36           21           7           6           6           101           6           3           16           5           59           14           6           25           1           7           8           308	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6       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Pipe SMH003 to SMH006           Backfilling of Drainage Trench for SMH003 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH006 to SMH007           Backfilling of Drainage Trench for SMH006 to SMH007           Confirmation of Location of Manhole and Drainage Alignment           Sheet Piles Installation SMH008 Construction (~20m length)           Excavation to Formation Level for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008           Backfilling of Drainage Trench for SMH008           Plate Load Test           Drainage (SMH201 to SMH202)           Home Quarantine due to Wuhan Pneumonia (NCE083)           Excavation for Construction of Manhole and Pipe Laying between SMH201 to SMH202           Manhole Construction and Pipe Laying between SMH201 to SMH202           Utilities Ducts Laying across Road D9 (South Portion)           Backfilling to Interim Formation Level (+5.5mPD)           Shifting of Site Vehicle Access to Seawa	10 7 28 14 14 14 7 14 30 3 3 3 3 3 3 3 3 3 3 3 3 14 5 5 14 5 5 14 20 5 14 20 5 7 7 808 10 7 308	10       48       36       21       7       6       6       101       6       3       16       5       4       5       14       6       25       1       7       8       308       16       2       24	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         22-Nov-19 A           0         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15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep</td> <td>27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>100% 100% 100% 100% 100% 100% 100% 100%</td> <td>age SI</td> <td></td> <td>SMH003</td> <td>))</td> <td></td>	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>29-Oct-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>21-Nov-19</li> <li>21-Nov-19</li> <li>21-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>01-Apr-20</li> <li>03-Jul-20,</li> <li>07-Jul-20,</li> <li>25-Jul-20,</li> <li>25-Jul-20,</li> <li>09-Nov-19</li> <li>14-Apr-20</li> <li>14-Feb-20</li> <li>21-Feb-20</li> <li>21-Feb-20</li> <li>21-Mar-20</li> <li>14-Apr-20</li> <li>14-Ap</li></ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep	27-Sep-21 27-Sep-21 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      Manhole Construction for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH006 to SMH007           Backfilling of Drainage Trench for SMH006 to SMH007           Confirmation of Location of Manhole and Drainage Alignment           Sheet Piles Installation SMH008 Construction (-20m length)           Excavation to Formation Level for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008 Sometruction           Manhole Construction for SMH007 to SMH008           Backfilling of Drainage Trench for SMH007 to SMH008           Plate Load Test           Drainage (SMH201 to SMH202)           Home Quarantine due to Wuhan Pneumonia (NCE083)           Excavation for Construction of Manhole and Pipe Laying between SMH2011           Manhole Construction and Pipe Laying between SMH201 to SMH202           Utilities Ducts Laying across Road D9 (South Portion)           Backfilling to Interim Formation	10 7 28 14 14 14 7 7 14 30 3 3 3 3 3 14 5 10 7 66 14 5 10 7 66 14 20 15 7 7 8 08 10 7 7 308 30 32	10 48 36 21 21 7 6 6 6 101 6 3 101 6 3 10 5 5 4 4 5 5 9 14 6 25 1 1 7 7 8 8 308 16 2 2 24 53	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         22-Nov-19 A           0         017/08(6         64-Jul-20 A           0         017/08(6         01-Jul-20 A           0         017/08(6         01-Aug-20 A           0         017/08(6         01-Feb-20 A           0         017/08(6         01-Feb-20 A           0         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of Pad F	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to SI           Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams)           Laying of Drainage Pipe SMH003 to SMH006           Backfilling of Drainage Trench for SMH003 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH007 (14D/manhole)           Backfilling of Drainage Trench for SMH006 to SMH007           Confirmation of Location of Manhole and Drainage Alignment           Sheet Piles Installation SMH008 Construction (~20m length)           Excavation to Formation Level for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008           Backfilling of Drainage Trench for SMH008           Backfilling of Drainage Trench for SMH007 to SMH008           Plate Load Test           Drainage (SMH201 to SMH202)           Home Quarantine due to Wuhan Pneumonia (NCE083)           Excavation for Construction of Manhole and Pipe Laying between SMH2011           Manhole Construction and Pipe Laying between SMH201 to SMH202           Utilities Ducts Laying across Road D9 (South Portion)           Backfilling to Interim Formation Level (+5	10 7 28 14 14 7 7 14 30 3 3 3 3 3 14 5 10 7 7 66 14 5 10 7 7 8 66 14 5 7 7 308 10 7 7 308 10 7 7 308 10 7 7 30 8 10 7 7 8 8 10 7 10 10 10 10 10 10 10 10 10 10 10 10 10	10       48       36       21       7       6       101       6       3       16       5       4       5       14       6       25       1       7       8       308       16       2       24       53       50       585	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6     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      07-Jul-20,           25-Jul-20,           20-Jul-20,           05-Aug-2(           09-Nov-19           14-Feb-20           21-Feb-20           21-Mar-20           14-Apr-20           14-Apr-20</td> <td>27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 06-Nov-21 06-Nov-21 30-Sep-23 30-Sep-23</td> <td>27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-23 06-Nov-21 30-Sep-23</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>100% 100% 100% 100% 100% 100% 100% 100%</td> <td>g Cross</td> <td>Road UL</td> <td>ls at Wai 30-Nov-2</td> <td>n C Ro: 1, Con:</td> <td>struction</td> <td>nof Pe</td> <td></td> <td></td> <td> </td> <td></td>	14-Nov-19           24-Oct-19           10-Nov-19           29-Oct-19           15-Nov-19           21-Nov-19           21-Nov-19           21-Nov-19           21-Nov-19           21-Nov-19           21-Nov-19           21-Nov-19           21-Nov-19           21-Nov-19           23-Jul-20,           07-Jul-20,           25-Jul-20,           20-Jul-20,           05-Aug-2(           09-Nov-19           14-Feb-20           21-Feb-20           21-Mar-20           14-Apr-20	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 06-Nov-21 06-Nov-21 30-Sep-23 30-Sep-23	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-23 06-Nov-21 30-Sep-23	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%	g Cross	Road UL	ls at Wai 30-Nov-2	n C Ro: 1, Con:	struction	nof 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for SMH003 to SI           Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams)           Laying of Drainage Pipe SMH003 to SMH006           Backfilling of Drainage Trench for SMH003 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH007 (14D/manhole)           Backfilling of Drainage Trench for SMH006 to SMH007           Confirmation of Location of Manhole and Drainage Alignment           Sheet Piles Installation SMH008 Construction (~20m length)           Excavation to Formation Level for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008 Construction           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Trench for SMH008           Backfilling of Drainage Trench for SMH008           Backfilling of Drainage Trench for SMH007 to SMH008           Plate Load Test           Drainage (SMH201 to SMH202)           Home Quarantine due to Wuhan Pneumonia (NCE083)           Excavation for Construction of Manhole and Pipe Laying between SMH2011           Manhole Construction and Pipe Laying between SMH201 to SMH202           Utilities Ducts Laying across Road D9 (South Portion)           Backfilling to Interim Formation Level (+5	10 7 28 14 14 7 7 14 30 3 3 3 3 3 14 5 10 7 7 66 14 5 10 7 7 8 66 14 5 7 7 308 10 7 7 308 10 7 7 308 10 7 7 30 8 10 7 7 8 8 10 7 10 10 10 10 10 10 10 10 10 10 10 10 10	10       48       36       21       7       6       101       6       3       16       5       4       5       14       6       25       1       7       8       308       16       2       24       53       50       585	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         14-Nov-19 A           0         017/08(6         14-Nov-19 A         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<li>31-Mar-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>29-Mar-21</li> <li>16-May-21</li> <li>16-May-21</li> <li>11-May-21</li> <li>11-May-21</li> <li>11-May-21</li> <li>18-Nov-21</li> </ul></td> <td>27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 06-Nov-21 06-Nov-21 06-Nov-21 06-Nov-21 30-Sep-23 30-Sep-23 27-Sep-21</td> <td>27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 30-Sep-23 06-Nov-21 06-Nov-21 06-Nov-21 30-Sep-23 30-Sep-23 30-Sep-23</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>100% 100% 100% 100% 100% 100% 100% 100%</td> <td>g Cross</td> <td>Road UL</td> <td>ls at Wai 30-Nov-2</td> <td>n C Ro: 1, Con:</td> <td>struction</td> <td>of P</td> <td></td> <td>ting (B</td> <td></td>	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>21-Nov-19</li> <li>28-Nov-19</li> <li>40-Apr-20</li> <li>25-Jul-20,</li> <li>25-Jul-20,</li> <li>25-Jul-20,</li> <li>26-Mar-20</li> <li>21-Feb-20</li> <li>21-Feb-20</li> <li>21-Feb-20</li> <li>21-Feb-20</li> <li>31-Mar-20</li> <li>31-Mar-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>29-Mar-21</li> <li>16-May-21</li> <li>16-May-21</li> <li>11-May-21</li> <li>11-May-21</li> <li>11-May-21</li> <li>18-Nov-21</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 06-Nov-21 06-Nov-21 06-Nov-21 06-Nov-21 30-Sep-23 30-Sep-23 27-Sep-21	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 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<td>struction</td> <td>n of P</td> <td>ad Fool</td> <td>ting (B</td> <td> </td> <td> , 11) 08</td> <td></td> <td>Date ar-21</td> <td></td> <td>Month</td> <td></td> <td>ogrami</td> <td></td> <td></td> <td></td> <td>r202*</td> <td></td> <td></td> <td></td> <td>ecked</td> <td>StL</td> <td>Арр</td>	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>21-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>01-Apr-20</li> <li>03-Jul-20,</li> <li>07-Jul-20,</li> <li>25-Jul-20,</li> <li>14-Feb-20</li> <li>21-Nar-20</li> <li>14-Feb-20</li> <li>21-Nar-20</li> <li>14-Feb-20</li> <li>21-Nar-20</li> <li>14-Feb-20</li> <li>21-Nar-20</li> <li>14-Apr-20</li> <li>14-Feb-20</li> <li>21-Mar-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>26-Mar-20</li> <li>31-Mar-20</li> <li>14-Apr-21</li> <li>16-May-21</li> <li>16-May-21</li> <li>17-Jun-20</li> <li>29-Jan-21</li> <li>11-May-21</li> <li>30-Nov-21</li> <li>18-Nov-21</li> <li>25-Sep-21</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 06-Nov-21 06-Nov-21 06-Nov-21 30-Sep-23 27-Sep-23 27-Sep-21	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 30-Sep-23 06-Nov-21 30-Sep-23 30-Sep-23 30-Sep-23 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21		100% 100% 100% 100% 100% 100% 100% 100%	g Cross	Road UL	ls at Wai 30-Nov-2 Nov-21 E	n C Ro: 1, Con:	struction	n of P	ad Fool	ting (B	 	 , 11) 08		Date ar-21		Month		ogrami				r202*				ecked	StL	Арр
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<td>,</td> <td></td> <td>TL</td> <td>scked</td> <td>StL</td> <td>App</td>	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>21-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>01-Apr-20</li> <li>03-Jul-20,</li> <li>07-Jul-20,</li> <li>25-Jul-20,</li> <li>14-Feb-20</li> <li>21-Nar-20</li> <li>14-Feb-20</li> <li>21-Nar-20</li> <li>14-Feb-20</li> <li>21-Nar-20</li> <li>14-Feb-20</li> <li>21-Nar-20</li> <li>14-Apr-20</li> <li>14-Feb-20</li> <li>21-Mar-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>26-Mar-20</li> <li>31-Mar-20</li> <li>14-Apr-21</li> <li>16-May-21</li> <li>16-May-21</li> <li>17-Jun-20</li> <li>29-Jan-21</li> <li>11-May-21</li> <li>30-Nov-21</li> <li>18-Nov-21</li> <li>25-Sep-21</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 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PORIILAG.100	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to Si Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams) Laying of Drainage Pipe SMH003 to SMH006 Manhole Construction for SMH007 (14D/manhole) Laying of Drainage Trench for SMH007 to SMH007 Backfilling of Drainage Trench for SMH006 to SMH007 Confirmation of Location of Manhole and Drainage Alignment Sheet Piles Installation SMH008 Construction (-20m length) Excavation to Formation Level for SMH008 Construction Manhole Construction for SMH008 (14D/manhole) Laying of Drainage Trench for SMH008 Construction Manhole Construction for SMH008 (14D/manhole) Laying of Drainage Trench for SMH008 Construction Manhole Construction for SMH008 (14D/manhole) Laying of Drainage Trench for SMH008 (14D/manhole) Laying of Drainage Trench for SMH008 (14D/manhole) Laying of Drainage Trench for SMH007 to SMH008 Plate Load Test Drainage (SMH201 to SMH202) Home Quarantine due to Wuhan Pneumonia (NCE083) Excavation for 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<li>28-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>29-Jul-20,</li> <li>07-Jul-20,</li> <li>29-Jul-20,</li> <li>09-Nov-19</li> <li>09-Nov-19</li> <li>14-Feb-20</li> <li>21-Feb-20</li> <li>21-Feb-20</li> <li>21-Feb-20</li> <li>21-Mar-20</li> <li>26-Mar-20</li> <li>31-Mar-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-May-21</li> <li>16-May-21</li> <li>18-Nov-21</li> <li>18-Nov-21</li> <li>18-Nov-21</li> <li>25-Sep-21</li> </ul></td> <td>27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 06-Nov-21 06-Nov-21 06-Nov-21 06-Nov-21 06-Nov-21 27-Sep</td> <td>27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-23 30-Sep-23 30-Sep-23 30-Sep-23 30-Sep-23 30-Sep-24 30-Sep-25 30-Sep-24</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>100% 100% 100% 100% 100% 100% 100% 100%</td> <td>g Cross</td> <td>Road UL</td> <td>s at War 30-Nov-2 90y-21 E Bound</td> <td>n C Ro 1, Con 3as  Si</td> <td>\$truction</td> <td></td> <td></td> <td></td> <td></td> <td>08</td> <td>-Ma -Ma</td> <td>ar-21 ay-21</td> <td>1</td> <td>Month</td> <td>iy Proę</td> <td>gramr</td> <td>me Up me Up</td> <td>lpdate pdate</td> <td>e (Mar e (May</td> <td>/2021</td> <td>.1)</td> <td></td> <td>TL CkT</td> <td>cked</td> <td>StL StL</td> <td>App</td>	<ul> <li>14-Nov-19</li> <li>24-Oct-19</li> <li>10-Nov-19</li> <li>29-Oct-19</li> <li>15-Nov-19</li> <li>15-Nov-19</li> <li>21-Nov-19</li> <li>21-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>28-Nov-19</li> <li>29-Jul-20,</li> <li>07-Jul-20,</li> <li>29-Jul-20,</li> <li>09-Nov-19</li> <li>09-Nov-19</li> <li>14-Feb-20</li> <li>21-Feb-20</li> <li>21-Feb-20</li> <li>21-Feb-20</li> <li>21-Mar-20</li> <li>26-Mar-20</li> <li>31-Mar-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-Apr-20</li> <li>14-May-21</li> <li>16-May-21</li> <li>18-Nov-21</li> <li>18-Nov-21</li> <li>18-Nov-21</li> <li>25-Sep-21</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 06-Nov-21 06-Nov-21 06-Nov-21 06-Nov-21 06-Nov-21 27-Sep	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-23 30-Sep-23 30-Sep-23 30-Sep-23 30-Sep-23 30-Sep-24 30-Sep-25 30-Sep-24	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100% 100% 100% 100% 100% 100% 100% 100%	g Cross	Road UL	s at War 30-Nov-2 90y-21 E Bound	n C Ro 1, Con 3as  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PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1035           PORIILAG.1040           PORIILAG.1042           PORIILAG.1044           PORIILAG.1044           PORIILAG.1048           PORIILAG.1048.01           PORIILAG.1048.02           PORIILAG.1048.03           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.05           PORIILAG.1160.02           PORIILAG.1160.03           PORIILAG.1160.03           PORIILAG.1160.03           PORIILAG.1080           PORIILAG.1090           PORIILAG.1090           PORIILAG.2000           Construction of Pad Footing           Base Slab           North Bound           Actual Level of Effor           Actual Work	Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to SI Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams) Laying of Drainage Pipe SMH003 to SMH006 Manhole Construction for SMH007 (14D/manhole) Laying of Drainage Trench for SMH007 (14D/manhole) Laying of Drainage Trench for SMH007 (14D/manhole) Confirmation of Location of Manhole and Drainage Alignment Sheet Piles Installation SMH008 Construction (-20m length) Excavation to Formation Level for SMH008 Construction Manhole Construction for SMH008 (14D/manhole) Laying of Drainage Trench for SMH008 Construction Manhole Construction for SMH008 (14D/manhole) Laying of Drainage Trench for SMH008 Construction Manhole Construction for SMH008 (14D/manhole) Laying of Drainage Trench for SMH007 to SMH008 Plate Load Test Drainage (SMH201 to SMH202) Home Quarantine due to Wuhan Pneumonia (NCE083) Excavation for Construction of Manhole and Pipe Laying between SMH201 to SMH201 to SMH202 Utilities Ducts Laying across Road D9 (South Portion) Backfilling to Interim Formation Level (+5.5mPD) Shifting of Site Vehicle Access to Seawall Side Variage (SMH001 to SMH003) Excavation for the S.5mPD to +3.5mPD (include Demolition of existing manh Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH001 to SI Manhole Construction and pipe laying for SMH001 to SMH003 and Backfillin Utilities Ducts Laying across Road D9 (Notthern Portion) Cable Laying and Decomissioning of Existing Cross Road UUs at Wan O Ro g (Bay 1 to 11)	10 7 28 14 14 14 7 14 30 3 3 3 3 3 3 3 3 3 14 5 5 10 7 66 14 5 5 7 8 00 15 7 7 308 10 7 7 308 10 7 5 7 308 10 7 5 5 7 5 5 4	10 48 36 21 21 7 6 6 101 6 3 101 6 3 10 5 4 4 5 7 14 6 25 1 14 6 25 1 1 7 8 308 16 2 2 4 50 50 50 50 53 553	0         017/08(6         09-Aug-19 A           0         017/08(6         14-Oct-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         12-Sep-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           0         017/08(6         23-Oct-19 A           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	nme Update	Original	Actual Re		idar Start	Finish	Late Start	Late Finish	seung Kwa			and 7						2022		
		Duration		Duration					Float	Complete Oct	No	v C	Dec J	an Feb	Mar	Apr M	λay Jι			Aug Se
	Construction of Blinding for Bay NB-N1 to N11	10	10	0 017/0	08(6 14-Nov-19 A	25-Nov-19	27-Sep-21	27-Sep-21	0	100%										
PORIII.AG.1060-01	Construction of Pad Footing Bay NB-N7, 9, 11 Base Slab	15	19		08(6 26-Nov-19 A		· ·	27-Sep-21	0	100%										
PORIII.AG.1060-04	Construction of Pad Footing Bay NB-N5, 8, 10 Base Slab	15	16		08(6 06-Dec-19 A		· ·	27-Sep-21	0	100%										
PORIII.AG.1060-10	Construction of Pad Footing Bay NB-N3, 6 Base Slab	15	10		08(6 27-Dec-19 A		· ·	27-Sep-21	0	100%										
PORIII.AG.1060-11	Construction of Pad Footing Bay NB-N2, 4 Base Slab	15	13		08(6 02-Jan-20 A			27-Sep-21	0	100%										
PORIII.AG.1290	Construction of Pad Footing Bay NB-N1 Base Slab	10	7		08(6 02-Mar-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1410 PORIII.AG.1420	Construction of Pad Footing Bay NB-N12 Base Slab	10	11		18(6 06-Jun-20 A 18(6 19-Jun-20 A		15-Dec-21 15-Dec-21	15-Dec-21 15-Dec-21	0	100%										
PORIII.AG.1420	Construction of Pad Footing Bay NB-N13 Base Slab Construction of Pad Footing Bay NB-N14 Base Slab	10	7		19-Jun-20 A		15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1430	Construction of Pad Footing Bay NB-N15 Base Slab	10	13		18(6 20-Jun-20 A		15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1440	Construction of Pad Footing Bay NB-N16 Base Slab	10	29		8(6 09-Jul-20 A	11-Aug-20	15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1460	Construction of Pad Footing Bay NB-N17 Base Slab	10	49		18(6 05-Jul-21 A	31-Aug-21	27-Sep-21	27-Sep-21	0		of Pad F		Bay NB-N	17 Base SI	lah l					
PORIII.AG.1470	Construction of Pad Footing Bay NB-N18 Base Slab	12	11		)8(6 13-Sep-21 A		11-Dec-21	11-Dec-21	0	100% onst	truction o	Pade	Footina B	av NB-N18	Base Slab					
South Bound		535	516	10	01-Feb-20 A	-		03-Dec-21	13			18-N	ov-21. So	uh Bound						
	Excavation for Construction of Bay NB-N1, NB-S1-S6	10	9	0 017/0	8(6 10-Feb-20 A		-	06-Nov-21	0	100%										
PORIII.AG.1060-111	Home Quarantine due to Wuhan Pneumonia (NCE083)	14	14	0 017/0	8(7 01-Feb-20 A	14-Feb-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1060-112	Plate Loading Test for NB-S1-S6	7	5	0 017/0	8(6 20-Feb-20 A	25-Feb-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1060-113	Construction of Blinding for Bay NB-S1-S6	10	4	0 017/0	08(6 26-Feb-20 A	29-Feb-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1060-12	Construction of Pad Footing Bay NB-S1, S3 Base Slab	15	8	0 017/0	8(6 29-Feb-20 A	09-Mar-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1300	Construction of Pad Footing Bay NB-S2 Base Slab	10	6	0 017/0	)8(6 10-Mar-20 A	16-Mar-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1310	Construction of Pad Footing Bay NB-S4 Base Slab	10	6	0 017/0	08(6 10-Mar-20 A	16-Mar-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1320	Construction of Pad Footing Bay NB-S6 Base Slab	10	5	0 017/0	08(6 11-Mar-20 A	16-Mar-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1330	Excavation for Construction of Bay NB-S7-S11	5	10		08(6 17-Mar-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1340	Construction of Blinding for Bay NB-S7-S10	5	1		08(6 28-Mar-20 A		06-Nov-21	06-Nov-21	0	100%										-
PORIII.AG.1350	Construction of Pad Footing Bay NB-S5 Base Slab	10	19		08(6 19-Mar-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1360	Construction of Pad Footing Bay NB-S7 Base Slab	10	6		08(6 03-Apr-20 A		06-Nov-21	06-Nov-21	0	100%		<b>  </b>		<b>.</b>					<b>.</b>	
PORIII.AG.1370	Construction of Pad Footing Bay NB-S8 Base Slab	10	10		08(6 16-Apr-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1380	Construction of Pad Footing Bay NB-S9 Base Slab	10	10		08(6 28-Apr-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1390	Construction of Pad Footing Bay NB-S10 Base Slab	10	10		08(6 19-May-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1400	Construction of Pad Footing Bay NB-S11 Base Slab	10	10		08(6 30-May-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1480	Construction of Pad Footing Bay NB-S12 Base Slab	10	8		08(6 19-Jun-20 A		06-Nov-21	06-Nov-21	0	100%		<b>.</b>	+							
PORIII.AG.1490	Construction of Pad Footing Bay NB-S13 Base Slab	10	6		08(6 30-Jun-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1500     PORIII.AG.1510	Construction of Pad Footing Bay NB-S14 Base Slab	10	7		08(6 08-Jul-20 A	15-Jul-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1510     PORIII.AG.1520	Construction of Pad Footing Bay NB-S15 Base Slab	10	9		)8(6 14-Sep-20 A		06-Nov-21 06-Nov-21	06-Nov-21 06-Nov-21	0	100%										-
<ul> <li>PORIII.AG.1520</li> <li>PORIII.AG.1530</li> </ul>	Construction of Pad Footing Bay NB-S16 Base Slab Construction of Pad Footing Bay NB-S17 Base Slab	10	98		18(6 02-Sep-20 A 18(6 02-Jul-21 A	11-Sep-20 27-Oct-21	27-Sep-21	27-Sep-21	0	100%					/NB-ST7 Bas	co Slob				
PORIII.AG. 1530	Construction of Pad Footing Bay NB-S17 Base Slab	10	90		18(6 08-Nov-21	18-Nov-21		03-Dec-21	13 0	0%					ng Bay NB-S		<b>.</b>		·····	····-
Wall Stem	Construction of Pad Pooling Bay ND-316 Base Slab	512	485		8(6 17-Mar-20 A		20-Oct-21	15-Dec-21	13				0-Nov-21,			TO Dase Sa	1			
South Bound		505	205		8(6 19-Mar-20 A			15-Dec-21	13				0-Nov-21,							-
PORIII.AG.1550	Construction of Pad Footing Bay NB-S1 Wall Stem	10	23		8(6 19-Mar-20 A			06-Nov-21	0	100%										
PORIII.AG.1560	Construction of Pad Footing Bay NB-S2 Wall Stem	10	36	0 017/0	8(6 24-Mar-20 A	11-May-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1570	Construction of Pad Footing Bay NB-S3 Wall Stem	10	29	0 017/0	8(6 20-Mar-20 A	27-Apr-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1580	Construction of Pad Footing Bay NB-S4 Wall Stem	10	52	0 017/0	)8(6 24-Mar-20 A	29-May-2(	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1590	Construction of Pad Footing Bay NB-S5 Wall Stem	10	14	0 017/0	08(6 12-Jun-20 A	29-Jun-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1600	Construction of Pad Footing Bay NB-S6 Wall Stem	10	23		08(6 15-May-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1610	Construction of Pad Footing Bay NB-S7 Wall Stem	10	47	0 017/0	08(6 20-May-20 A	15-Jul-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1620	Construction of Pad Footing Bay NB-S8 Wall Stem	10	27	0 017/0	08(6 19-May-20 A	18-Jun-20	06-Nov-21	06-Nov-21	0	100%									-	
PORIII.AG.1630	Construction of Pad Footing Bay NB-S9 Wal Stem	10	54		08(6 20-May-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1640	Construction of Pad Footing Bay NB-S10 Wal Stem	10	24		08(6 01-Jun-20 A		15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1650	Construction of Pad Footing Bay NB-S11 Wall Stem	10	27		)8(6 30-Jun-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1660	Construction of Pad Footing Bay NB-S12 Wal Stem	10	21		08(6 18-Jul-20 A	11-Aug-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1670     PORIII.AG.1680	Construction of Pad Footing Bay NB-S13 Wal Stem	10	9		08(6 14-Jul-20 A	23-Jul-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1680     PORIII.AG.1690	Construction of Pad Footing Bay NB-S14 Wal Stem	10	7		08(6 24-Jul-20 A	31-Jul-20	06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1690     PORIII.AG.1700	Construction of Pad Footing Bay NB-S15 Wal Stem	10	12		08(6 29-Sep-20 A		06-Nov-21	06-Nov-21	0	100%										
PORIII.AG.1700 PORIII.AG.1710	Construction of Pad Footing Bay NB-S16 Wal Stem Construction of Pad Footing Bay NB-S17 Wal Stem	10	12		18(6 15-Sep-20 A 18(6 08-Nov-21	28-Sep-2( 18-Nov-21	06-Nov-21 23-Nov-21	06-Nov-21 03-Dec-21	13 0	0%		-	truction o	f Bart Ennth	ng Bay NB-\$	17 Wal St.				1
PORII.AG.1710	Construction of Pad Footing Bay NB-S17 Wal Stern Construction of Pad Footing Bay NB-S18 Wal Stern	10	0		18(6 08-1NOV-21 18(6 19-Nov-21	30-Nov-21	23-NOV-21 04-Dec-21	15-Dec-21	13 0	0%					ooting Bay NB-5		Stem			
PORIII.AG.1720	Backfilling to Interim Formation Level (7 Layers, 5D/layer) for Bay 1 to 1		35		)8(6 17-Jun-20 A		15-Dec-21	15-Dec-21	0	100%		Ŧ			- Jung Jay N					
PORIII.AG.1920	Backfilling to Interim Formation Level (7 Layers, 5D/layer) for Bay 12 to		35		8(6 15-Oct-20 A	25-Nov-20	15-Dec-21	15-Dec-21	0	100%		1								
North Bound		510 512	485		08(6 17-Mar-20 A	05-Nov-21	20-Oct-21	15-Dec-21	Ű		05	Nov-2	1 A, North	Bound						-
PORII.AG.1730	Construction of Pad Footing Bay NB-N1 Wall Stem	10	25		08(6 17-Mar-20 A		15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1740	Construction of Pad Footing Bay NB-N2 Wall Stem	10	30		8(6 31-Mar-20 A		15-Dec-21	15-Dec-21	0	100%		tl 🗄	1	1				T	1	
PORIII.AG.1750	Construction of Pad Footing Bay NB-N3 Wall Stem	10	32	0 017/0	08(6 17-Mar-20 A	27-Apr-20	15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1760	Construction of Pad Footing Bay NB-N4 Wall Stem	10	46		08(6 31-Mar-20 A		15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1770	Construction of Pad Footing Bay NB-N5 Wall Stem	10	77	0 017/0	08(6 31-Mar-20 A	07-Jul-20	15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1780	Construction of Pad Footing Bay NB-N6 Wall Stem	10	56	0 017/0	08(6 31-Mar-20 A	10-Jun-20	15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1790	Construction of Pad Footing Bay NB-N7 Wall Stem	10	84	0 017/0	08(6 31-Mar-20 A	15-Jul-20	15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1800	Construction of Pad Footing Bay NB-N8 Wall Stem	10	132		08(6 02-Apr-20 A		15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1810	Construction of Pad Footing Bay NB-N9 Wall Stem	10	89		08(6 02-Apr-20 A		15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1820	Construction of Pad Footing Bay NB-N10 Wal Stem	10	118		08(6 02-Apr-20 A		15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1830	Construction of Pad Footing Bay NB-N11 Wall Stem	10	96		08(6 02-Apr-20 A	31-Jul-20	15-Dec-21	15-Dec-21	0	100%		<b>H</b>							<b>.</b>	
PORIII.AG.1840	Construction of Pad Footing Bay NB-N12 Wal Stem	10	36		08(6 16-Jul-20 A	26-Aug-2(	15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1850	Construction of Pad Footing Bay NB-N13 Wal Stem	10	23	0 017/0	08(6 16-Jul-20 A	11-Aug-20	15-Dec-21	15-Dec-21	0	100%										
				1						1								Date		
Actual Level of Effo	rt <ul> <li>Milestone</li> </ul>					Contra	act No.: 1	NE/2017/	08		1	1								Manada
Actual Work	summary	土木工程	拓展軍		ſ	rose Rov	Link T	seung Ky	van O		1	1						-Mar-2		Monthly
		Civil Engine				•		-		1	1	-			K	100	08-	May-2	<u>1</u>	Monthy
Domaining Work		UNIT Engine	ering ar	u	ŀ	koad D9	and Ass	ociated V	orks				-			-	-108	Jul_21	I	Monthly
Remaining Work Critical Remaining V		Developmen															-00-	Jui-Z I	I_\	wioriu iii,

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	Nov	Dec	Jan	Feb	Mar		202 Apr	23 May	,	Jun	Jul	Aug
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nı		date (N	1ar 202	21)		Т				StL		
۱r	ne Upo	date (N	lay 202	21)		С	kТ			StL		
n	me Up	date (J	ul 202	1)			KT			StL		
g	ramme	е				С	KT			Stl		

	Activity Name	Original Actu Duration Duration		ing Calendar Sta	art	Finish	Late Start	Late Finish	Total TRA Float	Complete						1		022		
PORIII.AG.1860	Construction of Pad Footing Bay NB-N14 Wal Stem		50	0 017/08(6 16-	. lul-20 A	11-Sep-20	15-Dec-21	15-Dec-21	0	100%	Oct No	v Dec	Jan	Feb	Mar Apr	May	Jun	Jul	Aug	5
PORIII.AG. 1860	Construction of Pad Footing Bay NB-N15 Wal Stem		36	0 017/08(6 16-		26-Aug-20	15-Dec-21 15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1880	Construction of Pad Footing Bay NB-N16 Wal Stem		9	0 017/08(6 02-		11-Sep-20	15-Dec-21	15-Dec-21	0	100%										
PORIII.AG.1890	Construction of Pad Footing Bay NB-N17 Wal Stem		14	0 017/08(6 11-		27-Oct-21	20-Oct-21	20-Oct-21	0	100%		truction of P	d Feotin	α Bay NB-	-N 7 Wall Stem			(	• • • • • • • • • • • • • • • • • • • •	·
PORIII.AG.1900	Construction of Pad Footing Bay NB-N18 Wal Stem		7	0 017/08(6 28-		05-Nov-21	11-Dec-21	11-Dec-21	0	100%					VB N18 Wall Ste			1		
	outh Drainage (SMH203 to SMH216)		-		-Nov-21	24-Mar-22		24-Mar-22	-1	100 //	T			ang bay n		22, Constru	uction of	Remaini	ina South	n Dra
PORIII.AG.1170	Construction of South Drainage SMH203 to SMH206		0	40 017/08(6 08-		23-Dec-21	23-Dec-21	14-Feb-22	39 0	0%			onsructi	; ion of Sou	th Drainage SM					-
PORIII.AG.1171	Construction of South Drainage SMH207 to SMH216	65	0	65 017/08(6 08-	-Nov-21	25-Jan-22	08-Dec-21	01-Mar-22	27	0%				Constructi	ior of South Dra				3	
PORIII.AG.1180	Construction of Roadworks	45	0	45 017/08(6 28-	Jan-22	24-Mar-22	27-Jan-22	24-Mar-22	-1 0	0%	$\mathbf{H}$		-			ction of Roa	adwork\$			
Construction of Semi-Noise E	Enclosure and Directional Sign	355 2	65	66 017/08(6 14-	-Dec-20 A	26-Feb-22	06-Nov-21	14-Apr-22	39						26-Feb-22, Con	struction of	f Semi-N	loise Enc	dosure ar	nd Di
PORIII.AG.1190	Construction of Semi-Noise Enclosure CH13635.3 to CH13878 Main Frame	75 1	99	0 017/08(6 08-	-Mar-21 A	07-Dec-21	10-Jan-22	10-Jan-22	27 0	100%		<b>I</b> ≪Cons	ruction of	f Semi-Noi	ise Endosure C	H13635.3	tc CH13	878 Mair	n Frame	
PORIII.AG.1210	Construction of Semi-Noise Enclosure CH13635.3 to CH13878 Sub-frame a	60	69	15 017/08(6 16-	-Aug-21 A	23-Dec-21	10-Jan-22	27-Jan-22	27 0	75%			onstructi	ion of Serr	ni-Noise Enclosu	ure CHI 36	35.3 o 🤇	\$H13 <mark>878</mark>	Sub-fram	me a
PORIII.AG.1235	Diversion of Haul Road	14	21	0 017/08(6 14-	-Dec-20 A	09-Jan-21	06-Nov-21	06-Nov-21	0	100%										<u>.</u>
PORIII.AG.1240	Excavation and Construction of Directional Sign Footing DS3	14	14	0 017/08(6 22-	-May-21 A	07-Jun-21	15-Feb-22	15-Feb-22	0	100%	ectional Sig	Footing DS			-					
PORIII.AG.1250	Backfilling to Formation Level		20	0 017/08(6 08-	-Jun-21 A	02-Jul-21	15-Feb-22	15-Feb-22	0	100%	el								-	1
PORIII.AG.1260	Installation of Directional Sign and Steel Frame	10 10	06	6 017/08(6 03-	-Jul-21 A	03-Jan-22	15-Feb-22	21-Feb-22	39 0	40%			Installa	tion of Dir	rectional Sign ar	nd Steel Fir	ame			
PORIII.AG.2010	Excavation and Construction of Directional Sign Footing DS7	14	0	14 017/08(6 04-	-Jan-22	19-Jan-22	22-Feb-22	09-Mar-22	39 0	0%			<b>–</b>	xcavation	and Constructio	vn of Directi	ional Sig	in Fo <mark>otin</mark>	ig DS7	
PORIII.AG.2020	Backfilling to Formation Level		0	20 017/08(6 20-	Jan-22	15-Feb-22	10-Mar-22	01-Apr-22	39 0	0%			. <b>H</b>	Bac	ckfilling to Forma	ation Level				
PORIII.AG.2021	Civil Provision for At-Grade Road South		0	30 017/08(6 06-		12-Jan-22	20-Dec-21	27-Jan-22	13	0%			<b>⊒ </b> •¢ivi	Provision	for At-Grade Ro	ad South				
PORIII.AG.2030	Installation of Directional Sign and Steel Frame		0	10 017/08(6 16-			02-Apr-22	14-Apr-22	39 0	0%				<b>⊷</b> ⊒ 1	Installation of Di	recional \$			-	
Wan O Road					-May-19 A	30-May-22		30-Sep-23	399								30-May	1-22, War	n ORoad	1
Footpath Excavation Permit			63					27-Sep-21												
Footpath North Bound			63	0 017/08(6 20-		<u>~</u>	27-Aug-21	<u>~</u>			· ·   · · <b> </b> · <b> </b> · ·	<b> </b>				- <b> - -  </b>	-+-+-		·{·····	
TTA Phase 1 (TTA DWC	· · · · · · · · · · · · · · · · · · ·		17 42	0 017/08(6 20- 0 017/08(6 10-		08-Jun-19 29-Jul-19	27-Aug-21 27-Aug-21	27-Aug-21 27-Aug-21								4 I II - I			1	
TTA Phase 3 (TTA DWC	· · · · · · · · · · · · · · · · · · ·		42 15	0 017/08(6 10-			27-Aug-21 27-Aug-21	27-Aug-21 27-Aug-21											-	1
Footpath South Bound			58	0 017/08(6 20-				<u> </u>							1 1 1				:	
TTA Phase 1 (TTA DWO	G: Q1004/WAOR/011)	16	14	0 017/08(6 20-	-May-19 A	04-Jun-19	27-Aug-21	27-Aug-21												
TTA Phase 2 (TTA DWO			16	0 017/08(6 05-		24-Jun-19	27-Aug-21	27-Aug-21											1	1
TTA Phase 3 (TTA DWC			12	0 017/08(6 25-		09-Jul-19,	27-Aug-21	27-Aug-21												1
TTA Phase 4 (TTA DWC	G: Q1004/WAOR/005)		16	0 017/08(6 10-			27-Aug-21	27-Aug-21							-					
Carriage Way Excavation Pe			18 69 1		Jul-19 A	<u> </u>	· · ·	27-Sep-21 30-Sep-23	399								10.00	22 Car	; miage Way	
TTA Stage 1			36		-Aug-19 A	22-Jan-21		30-Sep-23	399								JU-Inday	-22, Call	laye way	y E AU
TTA Stage 2					-Nov-19 A	30-May-22	27-Aug-21	30-Sep-23	399		┿╋┿		-			┿┥┥┥╼┊	30-May	-22, TTA	A Stage 2	
WO.CA.TTA2010	Implementation of TTA Stage 2	1	1	0 017/08(7 05-	-Jan-20 A	05-Jan-20	27-Aug-21		0	100%										1
Handreich Northern Portion		686 5	63 1	123 12-	-Dec-19 A	07-Apr-22	27-Aug-21	30-Sep-23	439		┿╋╪				<b>•</b> 07-	Apr 22, Nor	therr R	ortior		
Predrilling Works (4	nos, 10D/hole + 5D TRA, 1-3 rigs)	36	27	0 017/08(6 02-	-Mar-20 A	01-Apr-20	27-Aug-21	30-Sep-23												
WO.CA.TTA2NP.	Inspection Pit for Predrilling Works at Northern Roundabout	4	4	0 017/08(6 11-	Mar-20 A	14-Mar-20	27-Aug-21	27-Aug-21	0	100%									-	1
	Predrilling at Northern Roundabout of Wan O Road (PD80) (Rig5)	15	8	0 017/08(6 02-	-Mar-20 A	10-Mar-20	30-Sep-23	30-Sep-23	5	100%										
	Predrilling at Northern Roundabout of Wan O Road (PD77) (Rig5)	15	6	0 017/08(6 11-	Mar-20 A	17-Mar-20	30-Sep-23	30-Sep-23	5	100%										
	Demobilization of Rig 5 off site	1	1	0 017/08(6 18-	-Mar-20 A	18-Mar-20	30-Sep-23	30-Sep-23	0	100%										
	Predrilling at Northern Roundabout of Wan O Road (PD76)(Rig3)		7	0 017/08(6 25-	-Mar-20 A	01-Apr-20	27-Aug-21	27-Aug-21	5	100%										
PBSH Works			97		-Dec-19 A	1	27-Sep-21	08-Oct-21							1			3 8 8		
	Liasion with CLP and Shifting of CLP cables at Wan O Road Northern Footp		38	0 017/08(7 12-		27-Apr-20	27-Sep-21	27-Sep-21	0	100%					-					
	Late Delivery of H-pile due to COVID-19 (NCE083)		81	0 017/08(7 29-		18-Apr-20	27-Sep-21	27-Sep-21	0	100%					-					
	Review Design on PC60-64 (PMI044)		56	0 017/08(6 04-			27-Sep-21	27-Sep-21	0	100%										1
	Discovery of Uncharted CLP Concrete Surround, Liasion with CLP and Revie		94	0 017/08(6 11-			27-Sep-21	27-Sep-21	0	100%										
	Construction of PBSH (23nos, Rig 2) (PC60, 61, 63-65)		99	0 017/08(6 15-		10-Dec-20		27-Sep-21	0	100%					-					
	Review Design on PC57 & PC58 (PMI048)		50	0 017/08(6 11-			27-Sep-21	27-Sep-21	0	100%					8					
	Construction of PBSH (7nos, Rig 2) (PC57-58)		76	0 017/08(6 04-			27-Sep-21	27-Sep-21	0	100%										
	Construction of PBSH (8nos, Rig 1) (PC66-69)		68	0 017/08(6 12-		28-Nov-20	08-Oct-21	08-Oct-21	0	100%					-					
	Construction of PBSH (8nos, Rig 1) (PC70-72)		90	0 017/08(6 29-		15-Aug-2(	08-Oct-21	08-Oct-21	0	100%	· ·   · · <b> </b> · <b> </b> · ·	<b> </b>						÷	- <u>+</u>	
	Construction of PBSH (14nos, Rig 1) (PC66-PC72)		18	0 017/08(6 24-		11-Dec-20	08-Oct-21	08-Oct-21	0	100%										
	Instruction of RC Structure Installation of Sheet pile at PC58		52 4	4 017/08(6 31- 0 017/08(6 31-			27-Sep-21	12-Oct-21	-25	100%		1-Nov-21, E	cavation	and Cons	struction of RC	structure				
			4			06-Jan-21	27-Sep-21	27-Sep-21	0	100%	5									
	Installation of Struts and Excavation to Pile Cap Level at PC58		-	0 017/08(6 09-			27-Sep-21	27-Sep-21	U	100%	~"									
	Construction of Pile Cap PC58		46	0 017/08(6 09-		07-May-21	27-Sep-21	27-Sep-21		100%						· <mark>⊧·</mark> Į· <mark>∦</mark> -į	-+-+-	<b>-</b>	· <del>!</del>	
	Backfill & removal of Waling, Strut & Sheet Pile for PC58		20 3	0 017/08(6 22-		16-Jun-21	27-Sep-21	27-Sep-21			n ox Sneet	ile for PC58			-					1
WO.CA.TTA2NP	Diversion of MOE Concrete Block Installation as Lateral Support on top of Box Culvert	-	3 25	0 017/08(6 16-		19-Jun-21	27-Sep-21	27-Sep-21	0	100%	o of Box Cu	dirt			1 1 1				-	
	Concrete Block Installation as Lateral Support on top of Box Culvert Construction of ELS (PC60-PC72)		25 24	0 017/08(6 09- 0 017/08(6 15-		10-Apr-21	08-Oct-21 08-Oct-21	08-Oct-21 08-Oct-21	0		f ELS (PDE	EI + 1							1	
	, ,		24 51			16-Aug-21						<b>FI</b> : : : : :	of Dilo		DC72 14D/					
	Construction of Pile Caps (PC60-PC72, 14D/cap, 3teams)			4 017/08(6 08-	•		08-Oct-21	12-Oct-21	-25 0	95.56%				aps (P080	)-PC72, 14D/cap	Apr 22 D	- <b>-</b>	Mores	· <del> </del>	
Remaining Works	Construction of Road and Drains (include backfilling to formation level)			119 017/08(6 12- 45 017/08(6 29-		07-Apr-22 22-Jan-22	13-Oct-21 20-Oct-21	14-Apr-22 10-Dec-21	6 -34 0	0%	+			Constructio	on of Road and	Apr 22, Ren Drains (incl	uning !	vvorus ckfilling */	oformatic	on lev
	Removal of Sheet Piles (PC60-PC72)		0	45 J17/08(6 29- 11 J17/08(6 12-		22-Jan-22 24-Nov-21	13-Oct-21	26-Oct-21	-34 0	0%		Removal		Piles (PC		, са тр (н Ю	uc paç	, ann y tu	l	/,1 ICV
	Construction of Watermains, trigation, Power Cable Ducting, Civil Provision c		0			24-INOV-21 26-Feb-22		26-Oct-21 18-Mar-22	-25 0	0%		renoval		n	Construction of	Wate			i An Coblo	- Dure
	Construction of Watermains, rigation, Power Cable Ducing, CVII Provision C Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Main Fram-		0	75 017/08(6 25- 45 017/08(6 30-		26-Feb-22 24-Jan-22		02-Mar-22	29 0	0%					on of Semi-Nois					
			0	· ·				02-Mar-22 18-Mar-22	29 0	0%					on of Semi-Nois struction of Sem					
	Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Sub-Frame		-	45 017/08(6 16- 30 017/08(6 24-		12-Feb-22									Construction of Sem			David	and Port	diMor
	Construction of Road Kerb, Road Paving and Road Marking at Northern Can		0	30 017/08(6 24-		02-Mar-22		18-Jan-22	-34 0	0%				<b>C</b> -		nstruction of	o Road	Paving a	anu Road	u;iviari
	Construction of Road Paving, Traffic Sign, Street Lighting		0	30 D17/08(6 03-		07-Apr-22		25-Feb-22	-34 0	0%					Make Good of	suruction of	Koad F	aving, Ti	iame Sign	n, Str
	Make Good of Carriage Way and Road Marking		0	14 017/08(6 14-			29-Mar-22	14-Apr-22	37	0%					Make Good of	çanage W	ay and f	Koad Ma	arking	
Southern Portion and C					-Nov-19 A	-	27-Aug-21	30-Sep-23	399								30-May	-22, Sou	uthern Por	rtion
	6nos, 10D/hole + 5D TRA, 1-3 rigs) Set Back Existing Kerb along Sourthern Portion		25 17		-Nov-19 A		27-Aug-21	30-Sep-23	0	100%										
WO.CA.TTA2SP.	DEL DAUX EXISUITO NELL'AIUTO SOUTITIETT POTION	30	17	0 017/08(6 09-	Jan-ZUA	31-Jan-20	JU-Sep-23	30-Sep-23	0	100%		<b>1</b> 1	- 1	1 1 1			1 1 1			

Actual Work
Remaining Work

Critical Remaining Work



summary

Contract No.: NE/2017/08 Cross Bay Link, Tseung Kwan O Road D9 and Associated Works Page 24 of 26



J	Nov	Dec	Jan	Feb	Mar		202 Apr	23 May	/	Jun	Jul	Aug
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	, , ,	nme Update	Original		emaining Calendar Start	Finish		Late Finish	Total TRA	Activity %	d D9 and Associated Works
			Duration		Duration				Float	Complete O	t Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan I
	Rig 5		81		0 017/08(6 20-Nov-19 A		27-Aug-21		-	4000/	
		Predrilling at Central Barrier of Wan O Road (PD112)	15		0 017/08(6 20-Nov-19 A		27-Aug-21	27-Aug-21	5	100%	
	_	Predrilling at Central Barrier of Wan O Road (PD113)	15		0 017/08(6 29-Nov-19 A		27-Aug-21	27-Aug-21	5	100%	
		Predrilling at Central Barrier of Wan O Road (PD114)	15		0 017/08(6 06-Dec-19 A		27-Aug-21	27-Aug-21	5	100%	
		Idling of Predrill Rig for PD114 by Sub-contractor	3		0 017/08(6 14-Dec-19 A		30-Sep-23	30-Sep-23	0	100%	
		Predrilling at Central Barrier of Wan O Road (PD120)	15		0 017/08(6 12-Feb-20 A		30-Sep-23	30-Sep-23	5	100%	
		Predrilling at Central Barrier of Wan O Road (PD111)	15		0 017/08(6 16-Jan-20 A		30-Sep-23	30-Sep-23	5	100%	
		Predrilling at Central Barrier of Wan O Road (PD82)	15		0 017/08(6 03-Feb-20 A	11-Feb-20	30-Sep-23	30-Sep-23	5	100%	
1.1	Rig 2		0		0	04.4 00	07.4 04	07.4 04	0		
		Predrilling at Central Barrier of Wan O Road (PD115)	121		0 017/08(6 04-Dec-19 A		27-Aug-21	27-Aug-21	6	100%	
					0 017/08(6 04-Dec-19 A		27-Aug-21	27-Aug-21	5		
	_	Predrilling at Central Barrier of Wan O Road (PD116)	15		0 017/08(6 24-Dec-19 A		27-Aug-21	27-Aug-21	5	100%	
		Idling of Predrill Rig for PD116 by Sub-contractor	4		0 017/08(6 27-Dec-19 A		27-Aug-21	27-Aug-21	0	100%	
		Predrilling at Central Barrier of Wan O Road (PD117)	15		0 017/08(6 20-Jan-20 A		27-Aug-21	27-Aug-21	5	100%	
		Predrilling at Central Barrier of Wan O Road (PD118)	15		0 017/08(6 03-Feb-20 A		27-Aug-21	27-Aug-21	5	100%	
		Predrilling at Central Barrier of Wan O Road (PD119)	15		0 017/08(6 08-Feb-20 A		27-Aug-21	27-Aug-21	5	100%	
		Predrilling at Central Barrier of Wan O Road (PD121)	15		0 017/08(6 17-Feb-20 A		27-Aug-21	27-Aug-21	5	100%	
	_	Predrilling at Central Barrier of Wan O Road (PD122)	15		0 017/08(6 24-Feb-20 A	03-Mar-20	27-Aug-21	27-Aug-21	5	100%	
	WO.CA.TTA2	Predrilling at Central Barrier of Wan O Road (PD83)	15	11	0 017/08(6 12-Mar-20 A	24-Mar-20	27-Aug-21	27-Aug-21	5	100%	
	WO.CA.TTA2	Predrilling at Central Barrier of Wan O Road (PD79)	15	7	0 017/08(6 17-Apr-20 A	24-Apr-20	27-Aug-21	27-Aug-21	5	100%	
	WO.CA.TTA2	Predrilling at Central Barrier of Wan O Road (PD78)	15	9	0 017/08(6 02-Apr-20 A	16-Apr-20	27-Aug-21	27-Aug-21	5	100%	
-	PBSH Works		331	300	0 29-Jan-20 A	28-Jan-21	27-Sep-21	11-Oct-21			
	WO.CA.TTA2SP.	Late Delivery of H-pile due to COVID-19 (NCE083)	30	81	0 017/08(7 29-Jan-20 A	18-Apr-20	08-Oct-21	08-Oct-21	0	100%	
	WO.CA.TTA2SP	Construction of PBSH (25nos, Rig 1) (PC73 to PC81)	75	233	0 017/08(6 03-Mar-20 A	11-Dec-20	08-Oct-21	08-Oct-21	0	100%	
	WO.CA.TTA2SP	Construction of PBSH (12nos, Rig 2) (PC59 & PC62)	45	83	0 017/08(6 01-Sep-20 A	09-Dec-20	27-Sep-21	27-Sep-21	0	100%	
	WO.CA.TTA2SP.	Pile Loading Test	21	9	0 017/08(6 19-Jan-21 A	28-Jan-21	11-Oct-21	11-Oct-21	0	100%	
-	Excavation and Cons	struction of RC Structure	246	245	38 017/08(6 09-Jan-21 A	21-Dec-21	27-Sep-21	14-Jan-22	18	_	21-Dec-21, Excavation and Construction of RC Structure
	WO.CA.TTA2SP.	Installation of Sheet Piles (PC59, PC62)	18	13	0 017/08(6 09-Jan-21 A	23-Jan-21	11-Oct-21	11-Oct-21	0	100%	
	WO.CA.TTA2SP.	Construction of ELS (PC59, PC62)	24	89	24 017/08(6 23-Jul-21 A	04-Dec-21	11-Oct-21	08-Nov-21	-23 0	0%	Construction of ELS (PC59, PC2)
	WO.CA.TTA2SP.	Construction of Pile Caps (PC59, PC62)	14	34	0 017/08(6 19-Mar-21 A	04-May-21	09-Nov-21	09-Nov-21		100%	
	WO.CA.TTA2SP.	Removal of Sheet Pile (PC59, PC62)	5	0	5 017/08(6 06-Dec-21	10-Dec-21	09-Nov-21	13-Nov-21	-23	0%	Removal of Sheet Pile (PC59, PC62)
	WO.CA.TTA2SP.	Construction of Wal Stem (PC59 - PC 62)	9	0	9 017/08(6 11-Dec-21	21-Dec-21	15-Nov-21	24-Nov-21	-23	0%	Construction of Wall Stem (PC59 - PC 62
		Construction of Pile Caps (PC74, PC77 and PC79)	18	64	0 017/08(6 04-Feb-21 A			23-Nov-21		100% 7	
		Construction of Pile Cap (PC75, PC78, PC80)	26		0 017/08(6 30-Mar-21 A			23-Nov-21		100%)	
		Construction of Pile Cap (PC73)	14		0 017/08(6 19-Aug-21 A		23-Nov-21	23-Nov-21			of Pile Can (PC73)
		Construction of Pile Cap (PC57)	14		11 017/08(6 05-Jul-21 A		31-Dec-21	14-Jan-22	41	20%	Construction of Pile Cap (PC57)
	WO.CA.TTA2SP		4		4 017/08(6 08-Nov-21		27-Sep-21	30-Sep-21	-34	0%	Version of MOE
				-				19-Oct-21	-34	0%	
		Construction of Pile Cap (PC 76)	14		14 017/08(6 12-Nov-21		02-Oct-21		-34	0%	Construction of Pile Cap (PC 76)
	Remaining Works	Construction of Drainage SMH501 to SMH506 and backfilling to forma			140 017/08(6 04-Dec-21 25 017/08(6 11-Dec-21	-	23-Nov-21 23-Nov-21	14-Apr-22 21-Dec-21	-34	0%	Construction of Drainage SMH501 to SMH506 and backfilling to formation level
					``					0%	Construction of Drainage SMH5D6 to SMH401 and backfilling to formation level
		Construction of Drainage SMH506 to SMH401 and backfilling to forma	ation le 25		25 017/08(6 13-Jan-22		22-Dec-21	22-Jan-22	-16 0	0%	
	_	Removal of Sheet Pile			6 017/08(6 15-Feb-22		24-Jan-22	29-Jan-22	-16 0	• • •	Removal of Sheet Ple
		Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Main			45 017/08(6 04-Dec-21		15-Jan-22	11-Mar-22	33 0	0%	Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Wain Frame     Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2: Sub Frame and Panel
		Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Sub			45 017/08(6 21-Dec-21		04-Feb-22	28-Mar-22	33 0	0%	
		Construction of Watermains, Irrigation, Power Cable Ducting, Civil Pro			20 017/08(6 22-Feb-22		31-Jan-22	25-Feb-22	-16 0	0%	Construction of Watermains; Irigation, Power Cable Ducting, Civil Provision of TCSS
		Construction of Road Kerb, Road paving and Road Marking at South			30 017/08(6 08-Apr-22		26-Feb-22	01-Apr-22	-34 0	0%	Construction of Road Kerb, Road paving and Road Marking at Southern Carr
		Construction of Road Paving, Shrub, Tree Planting, Traffic Sign, Stree	-		30 017/08(6 23-Apr-22		10-Mar-22	14-Apr-22	-34 0	0%	Constituction of Road Paving, Shrub, Tree Planting, Traffic Sigh, Street Lic
	WO.CA.TTA2SP	Make Good of Carriageway and Road Marking	14	0	14 017/08(6 18-Feb-22	05-Mar-22	29-Mar-22	14-Apr-22	33	0%	Make Good of Camageway and Road Marting
	Po Road		648		152 017/08(6 11-Mar-20 A	19-May-22		30-Sep-23	408		19-Vay-22, Wan Po Road
		d Earthing Conductor at Portion III (CE030)	307		0 017/08(6 11-Mar-20 A		30-Sep-23	30-Sep-23			t Petton III (¢E030)
	WO1250	Liasion with C1 and CLP for Cable Duct and Earth Conductor at Wan			0 017/08(6 11-Mar-20 A			30-Sep-23	0	100%	
	WO1255	Subtletting and Acceptance of Quotation for TTA	90		0 017/08(6 11-Mar-20 A			30-Sep-23	0	100%	
	WO1257	Application and Approval of TTA	20	6	0 017/08(6 27-Jul-20 A	01-Aug-2(		30-Sep-23	0	100%	
	WO1258	Application of Road Work Advice	10	12	0 017/08(6 03-Aug-20 A	-	30-Sep-23	30-Sep-23	0	100%	
	WO1259	Set up TTA	1	1	0 017/08(6 17-Aug-20 A	17-Aug-2(	30-Sep-23	30-Sep-23	0	100%	
	WO1269	Site Clearance	5	5	0 017/08(6 18-Aug-20 A	22-Aug-2(	30-Sep-23	30-Sep-23	0	100%	
	WO1279	Excavation for Ducting Works	7	6	0 017/08(6 24-Aug-20 A	29-Aug-2(	30-Sep-23	30-Sep-23	0	100%	
	WO1289	Delivery of GI Duct	10	9	0 017/08(6 31-Aug-20 A	09-Sep-2(	30-Sep-23	30-Sep-23	0	100%	
	WO1299	Ducting Works	9	9	0 017/08(6 10-Sep-20 A	19-Sep-2(	30-Sep-23	30-Sep-23	0	100%	
	WO1309	Backfilling, Reinstatement of Road Works and Closing of TTA	6	6	0 017/08(6 15-Mar-21 A	20-Mar-21	30-Sep-23	30-Sep-23	0	100% T	
	WO1319	Handover to C1 for Power Energization of the E&M Plant Room (CE0	30) 0	0	0 017/08(6	20-Mar-21		30-Sep-23	0	100% Ro	om (CE030),
l w	an Po Road Works		267	113	152 017/08(6 24-Jun-21 A	19-May-22	11-Sep-21	18-Mar-22	-47		19-Vay-22, Wan Po Road Works
-	Footpath		267	113	152 017/08(6 24-Jun-21 A	19-May-22	11-Sep-21	18-Mar-22	-47	-	19-May-22, Foptpat
	East Bound (5 sta	ges, ~20m/stage)	152	0	152 017/08(6 09-Nov-21	19-May-22	11-Sep-21	18-Mar-22	-47		19-1/ay-22, East Bound (5 stages, ~20m/stage)
	WP1140	Implementation of TTA, Trial Pit Excavation and Identification of UU (1	st stag 8	0	8 017/08(6 09-Nov-21	18-Nov-21	11-Sep-21	21-Sep-21	-47 0	0%	Implementation of TTA, Trial Pit Excavation and Men ification of UU (1st stage)
	🛑 WP1150	Civil Provision of TCSS (1st stage)	3	0	3 017/08(6 18-Nov-21	22-Nov-21	21-Sep-21	25-Sep-21	-47 0	0%	Civil Provision of TCSS (1st stage)
	🔲 WP1160	Construction of Traffic Sign TS175(7) (1st Stage)	8	0	8 017/08(6 22-Nov-21	01-Dec-21	25-Sep-21	06-Oct-21	-47 0	0%	Construction of Traffic Sign TS175(7) (1st Stage)
	WP1170	Reinstatement of Road Surface and Closing of TTA (1st stage)	5	0	5 017/08(6 01-Dec-21	07-Dec-21		12-Oct-21	-47 0	0%	Reinstatement of Road Surface and Closing of TIA 1st stage)
	WP1180	Implementation of TTA, Trial Pit Excavation and Identification of UU (2	-	0	8 017/08(6 07-Dec-21	16-Dec-21		22-Oct-21	-47 0	0%	Implementation of TTA, Trial Pit Excavation and Identification of UV (2nd stage)
	WP1190	Excavation and Construction of Directional Sign Footing DS4 (2nd sta		0	6 017/08(6 16-Dec-21	23-Dec-21		29-Oct-21	-47 0	0%	Excavation and Construction of Directional Sign Footing DS4 (2nd stage)
	WP1200	Installation of Steel Frame and Directional Sign (2nd stage)	8	0	8 017/08(6 23-Dec-21	05-Jan-22		08-Nov-21	-47 0	0%	Installation of Steel Frame and Directional Sign (2nd stage)
	WP1210	Construction of Traffic Sign TS175(7) (2nd stage)	9	0	8 017/08(6 05-Jan-22	14-Jan-22	_	17-Nov-21	-47 0	0%	Construction of Traffic Sign T\$175() (2nd stage)
	WP1210	Civil Provision of TCSS (2nd stage)	5	-	5 017/08(6 14-Jan-22	20-Jan-22		23-Nov-21	-47 0	0%	Consulction of name sign (ST ST St) (2nd stage)
	WP1220		5					23-100-21 29-Nov-21	-47 0	0%	
	WF 1230	Reinstatement of Road Surface and Closing of TTA (2nd stage)	5	U	5 017/08(6 20-Jan-22	26-Jan-22	23-Nov-21	23-1100-21	-41 0	0%	Reinstatement of Road Surface and Dosing of TA (2nd stage)
۸ م <sup>د</sup>					_	<b>C</b>			0.0		Date Revision
ACTU	al Level of Effor			51-N-		Contra	act No.: I	NE/2017/	08		
Actu	ial Work	summary	土木工程	拓展第	2 C	ross Rau	Link T	seung Kv	van O		
						•		-			08-May-21 Monthy Programme Update (May 2021
Ken	naining Work		Civil Engine			koad D9	and Asso	ociated W	orks		Build King 08-Jul-21 Monthly Programme Update (May 2021) 08-Jul-21 Monthly Programme Update (Jul 2021) 16-Sep-21 Acceleration Programme
			Developmen	nt Depa	rtment		Page 25 of	26			Build King 16-Sep-21 Acceleration Programme
Critic	cal Remaining W	/ork					1 age 2.7 th				Acceleration Programme

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			Duration Duratio	on Duration				Float	Complete Oct	Nov	Dec								Aug				Dec	Jan	Feb I	Mar	Apr	May	Jun	
	🔲 WP1240	Implementation of TTA, Trial Pit Excavation and Identification of UU (3rd stag	8	0 8 017/08(6 26-Jan-22	08-Feb-22	29-Nov-21	08-Dec-21	-47 0	0%										Identification		Brd stage)									
	WP1250	Civil Provision of TCSS and Construction of drawpit (3rd stage)	8	0 8 017/08(6 08-Feb-22	17-Feb-22	08-Dec-21	17-Dec-21	-47 0	0%			-	📕 Çi	ivil Provisio	n of TCS	and Ço	onstrucție	on <mark>o</mark> f d	ra <mark>vv</mark> pit (3rd sta	age)		1				i				
	WP1260	Reinstatement of Road Surface and Closing of TTA (3rd stage)	5	0 5 017/08(6 17-Feb-22	23-Feb-22	17-Dec-21	23-Dec-21	-47 0	0%										of TTA (3rd			1							1	
	WP1270	Implementation of TTA, Trial Pit Excavation and Identification of UU (3rd stag	8	0 8 017/08(6 23-Feb-22	04-Mar-22	23-Dec-21	05-Jan-22	-47 0	0%					Implem	entation o	f TA, Tr	ial Fit 🔅	xcavati	and Identif	fication c	of UU (3rd	stage)								
	WP1280	Civil Provision of TCSS and Construction of drawpit (3rd stage)	8	0 8 017/08(6 04-Mar-22	14-Mar-22	05-Jan-22	14-Jan-22	-47 0	0%					📕 Civil	Provision	of CSS	and Co	nstruct	or of drawpit	t (3rd sta	ige)									
	WP1290	Reinstatement of Road Surface and Closing of TTA (3rd stage)	5	0 5 017/08(6 14-Mar-22	19-Mar-22	14-Jan-22	20-Jan-22	-47 0	0%					Rei	nstaterne	nt of Ripa	d Surfa	ice and	¢osing of ⊤	TA (3rd s	tage)									
	WP1300	Implementation of TTA, Trial Pit Excavation and Identification of UU (4th stag	6	0 6 017/08(6 19-Mar-22	26-Mar-22	20-Jan-22	27-Jan-22	-47 0	0%					F r	nplement	ation of '	TA, Tria	al Pi <sup>r</sup> Ex	cavation and	Identific	ation of U	U (4th st	age)							
	WP1310	Civil Provision of TCSS (4th stage)	3	0 3 017/08(6 26-Mar-22	30-Mar-22	27-Jan-22	31-Jan-22	-47 0	0%		-				Civil Provi	sior of T	CSS (4tl	h stage	)							-				
	WP1320	Reinstatement of Road Surface and Closing of TTA (4th stage)	5	0 5 017/08(6 30-Mar-22	06-Apr-22	31-Jan-22	09-Feb-22	-47 0	0%						Reinsta	errenț o	f Road	Surao	and Closing	j of TTÅ∕	(4th stage)	)								
	🔲 WP1330	Implementation of TTA, Trial Pit Excavation and Identification of UU (5th stag	8	0 8 017/08(6 06-Apr-22	19-Apr-22	09-Feb-22	18-Feb-22	-47 0	0%					F	linp	errenta	ton of T	TA, Tria	I Pit Excavati	ion and	Identificatio	on of UU	(5th stag	je)						
	🔲 WP1340	Excavation and Construction of Directional Sign Footing DS6 (5th stage)	8	0 8 017/08(6 19-Apr-22	28-Apr-22	18-Feb-22	28-Feb-22	-47 0	0%				-			xcavațio	n and C	Constru	tion of Direct	tional Sir	gn Footing	, DS6 (5ť	h stage)							
	WP1350	Installation of Steel Frame and Directional Sign (5th stage)	6	0 6 017/08(6 28-Apr-22	06-May-22	28-Feb-22	07-Mar-22	-47 0	0%						- <b>-</b>	Installa	ton of S	Stee Fr	ame and Dire	ctional S	Sign (5th st	tage)								
	WP1370	Civil Provision of TCSS and Construction of drawpit (5th stage)	5	0 5 017/08(6 06-May-22	13-May-22	07-Mar-22	12-Mar-22	-47 0	0%				i		- 4				SS and Cons				ge)							
	WP1380	Reinstatement of Road Surface and Closing of TTA (5th stage)	5	0 5 017/08(6 13-May-22	19-May-22	12-Mar-22	18-Mar-22	-47 0	0%				1		G	Rei	istatem	nent of	Road Surface	a and Çk	osing of T	TA (5th s	tage)				-			
	West Bound (4		237 11	· · ·			18-Mar-22	-17							08-Apr			<mark>.</mark>	ges, ~20m/st											• •
	WP1390	Implementation of TTA, Trial Pit Excavation and Identification of UU (1st stag	10 1	0 0 017/08(6 24-Jun-21	06-Jul-21	20-Oct-21	20-Oct-21	0	100% al Pit F	xcavation a	and Ident	fication o	of UU (¦	lst stage)				Ì				-								
	WP1400	Excavation and Construction of Directional Sign Footing DS5 (1st stage)	10 10	03 9 017/08(6 07-Jul-21 A	19-Nov-21	20-Oct-21	30-Oct-21	-17 0	10%	Éxc	avation a	nd Const	struction	of Directio	nal Sign	Focting I	IS5 (1st	t stage												
	🔲 WP1410	Installation of Steel Frame and Directional Sign (1st stage)	10	0 10 017/08(6 19-Nov-21	01-Dec-21	30-Oct-21	11-Nov-21	-17 0	0%		nstallatio	n of Stee	el Fram	e and Dire	ctional Sig	n (Ist st	tage)													
	WP1420	Civil Provision of TCSS and Construction of drawpit (1st stage)	8	0 8 017/08(6 01-Dec-21	10-Dec-21	11-Nov-21	20-Nov-21	-17 0	0%		Civil Pi	ovision of	of TCS\$	and Cohs	truction o	drawpit	(1st sta	ige)		-										
	🔲 WP1430	Reinstatement of Road Surface and Closing of TTA (1st stage)	5	0 5 017/08(6 10-Dec-21	16-Dec-21	20-Nov-21	26-Nov-21	-17 0	0%	<b>-</b>	📕 Rein	tatemen	nt of Ro	ad Surface	and Clo	sinc of T	A (1st s	stage)												
	WP1440	Completion of Liasion with C1 for connection of Watermain to E&M Plantroo	0	0 0 017/08(6	16-Dec-21		26-Nov-21	-17 0	0%		🔶 Cộm	oletion	of Liasio	n with Cit	or conne	tion of V	/aterma	ain to E	& Plantroor	m,										
	WP1450	Implementation of TTA, Trial Pit Excavation and Identification of UU (2nd stag	10	0 10 017/08(6 16-Dec-21	30-Dec-21	26-Nov-21	08-Dec-21	-17 0	0%			nplemen	ntation	of TTA, Tria	l Pit Exca	vaton¦a	d Ident	tificatio	n of UU (2nd	stage)										
	WP1460	Civil Provision of TCSS and Construction of drawpit and Laying of Watermair	15	0 15 017/08(6 30-Dec-21	18-Jan-22		28-Dec-21	-17 0	0%			Civil	il Provisi	ion of TCS	S and Co	nstructio	of drav	wpit an	d aying of V	Naterma	in (2nd sta	age)								
	WP1470	Reinstatement of Road Surface and Closing of TTA (2nd stage)	5	0 5 017/08(6 18-Jan-22	24-Jan-22	28-Dec-21	04-Jan-22	-17 0	0%			_					- 16 I		2nd stage)		Ì									
	WP1480	Implementation of TTA, Trial Pit Excavation and Identification of UU (3rd stag	10	0 10 017/08(6 24-Jan-22		04-Jan-22	15-Jan-22	-17 0	0%				Imple	ementation	of TTA,	rial Pit E	kcavatio	on and	Identification	of UU (?	Brd stage)									
	WP1490	Civil Provision of TCSS and Construction of drawpit and Laying of Watermair	15	0 15 017/08(6 08-Feb-22	25-Feb-22	15-Jan-22	05-Feb-22	-17 0	0%					Civil Provi	ion of TC	SS and	Construc	ction of	d awpit and	Laving	of Waterma	ain (3rd r	stage)							
	WP1500	Reinstatement of Road Surface and Closing of TTA (3rd stage)	5	0 5 017/08(6 25-Feb-22		05-Feb-22	11-Feb-22	-17 0	0%								1		ing of TTA (3)	, q			5,		-	-				
	WP1510	Implementation of TTA, Trial Pit Excavation and Identification of UU (4th stag	10	0 10 017/08(6 03-Mar-22		11-Feb-22	23-Feb-22	-17 0	0%				<b>_</b>				- 1a	_	ation and Ide		· ·	4th stage	e)							
	WP1520	Civil Provision of TCSS and Construction of drawpit and Laying of Watermair	15	0 15 017/08(6 15-Mar-22	01-Apr-22		12-Mar-22	-17 0	0%					_			- iii		struction of dr			-		stage)						
	WP1530	Reinstatement of Road Surface and Closing of TTA (4th stage)		0 5 017/08(6 01-Apr-22	08-Apr-22		18-Mar-22	-17 0	0%										e and Closing					oldgo)						
	Carriageway (4 lan		248 11	· · ·			18-Mar-22	-28				_	_						1 Janes/ stage			<i>'</i>								
	WP1000	Trial Pit Excavation and Identification of UU (Existing TTA)	10 1			06-Oct-21	06-Oct-21	0	100% entifica	tion of UU (	Existina <sup>!</sup>	TA)					Calling	,, (												
	WP1010	Laying of Ducts for Civil Provision of TCSS (Existing TTA)	8 10				15-Oct-21	-28 0		Layi			; vil Provi≀	; sion of TC	SS (Existi	a TA)														
	WP1015	Reinstatement of Road Surface and New Road Marking (Existing TTA)	10	0 10 017/08(6 17-Nov-21	29-Nov-21		27-Oct-21	-28 0	0%					urface and			a (Existi	ina TTA	<b>.</b>	-		-								
	WP1020	Implementation of TTA, Trial Pit Excavation and Identification of UU (1st stag	10	0 10 017/08(6 29-Nov-21	10-Dec-21		08-Nov-21	-28 0	0%										J (1st stage)								·····			• •
	WP1030	Laying of Ducts for Civil Provision of TCSS (1st stage)	-	0 8 017/08(6 10-Dec-21	20-Dec-21		17-Nov-21	-28 0	0%					Civil Provis										:						
	WP1090	Reinstatement of Road Surface and New Road Marking (1st stage)	10	0 10 017/08(6 20-Dec-21	04-Jan-22		29-Nov-21	-28 0	0%			-		of Road S				rking (1	st stage)											
	WP1550	Implementation of TTA, Trial Pit Excavation and Identification of UU (2nd star	10	0 10 017/08(6 04-Jan-22	15-Jan-22		10-Dec-21	-28 0	0%		<b>F</b>	Imple	lementa	tion of TTA	, Trial Pit	Excavat	ion and	Identifi	ation of UU (	(2nd sta	qe)									
	WP1560	Laying of Ducts for Civil Provision of TCSS (2nd stage)		0 8 017/08(6 15-Jan-22	25-Jan-22		20-Dec-21	-28 0	0%			-		f Ducts for			1													
	WP1570	Reinstatement of Road Surface and New Road Marking (2nd stage)	-	0 10 017/08(6 25-Jan-22		20-Dec-21	04-Jan-22	-28 0	0%			_					1 12		Marking (2nd	d stage)										
	WP1580	Implementation of TTA, Trial Pit Excavation and Identification of UU (3rd stag	10	0 10 017/08(6 09-Feb-22		04-Jan-22	15-Jan-22	-28 0	0%			F	- :				10.1		and Identificat		U (3rd sta	ae)	-	1						
	WP1590	Laying of Ducts for Civil Provision of TCSS and Construction of drawpit (3rd s		0 12 017/08(6 21-Feb-22		15-Jan-22	29-Jan-22	-28 0	0%				<b>F</b>						s and Const				ie)							
	WP1600	Reinstatement of Road Surface and New Road Marking (3rd stage)		0 10 017/08(6 07-Mar-22		29-Jan-22	14-Feb-22	-28 0	0%				Ģ				1 11		New Road M			` ; •					-			
	WP1610	Implementation of TTA, Trial Pit Excavation and Identification of UU (4th stag		0 10 017/08(6 18-Mar-22		14-Feb-22	25-Feb-22	-28 0	0%				i				- 12 I	_	xpavation an	- I.			stage)	į						
	WP1620	Laying of Ducts for Civil Provision of TCSS and Construction of drawpit (4th s		0 8 017/08(6 30-Mar-22	09-Apr-22			-28 0	0%										ion of TCSS a					de)						
	WP1630	Reinstatement of Road Surface and New Road Marking (4th stage)		0 10 017/08(6 09-Apr-22	25-Apr-22		18-Mar-22	-28 0	0%				i						urface and N					,-,						
			1249 79			07-Wai-22	14-Apr-23	-28 0	070	$\sim$										- WINDER	a maining (	, an oldy							30-May-2	.2
		Portion I, II and III)																		1				Ì					iviay-2	4
MISC40		Landscape works	321 15	· · · · · · · · · · · · · · · · · · ·	-	05-Nov-21	14-Apr-22	-46 0	50%			:	:	1	1		andsca	apewo	165											
MISC402		Establishment works		0 365 017/08(7 31-May-22		15-Apr-22	14-Apr-23	-46 0	0%							-	<b></b>											<u> </u>	Establish	۱n 
MISC403	30	Tree Preservatiion and Protection Works	939 79	0 178 017/08(6 09-Mar-19 A	18-Jun-22	07-Sep-21	14-Apr-22	-49 0	81%								tree	ee Pres	ervatiion and	J Protecti	ion Works		1		1	1			1	

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestonesummary



Contract No.: NE/2017/08 Cross Bay Link, Tseung Kwan O Road D9 and Associated Works Page 26 of 26



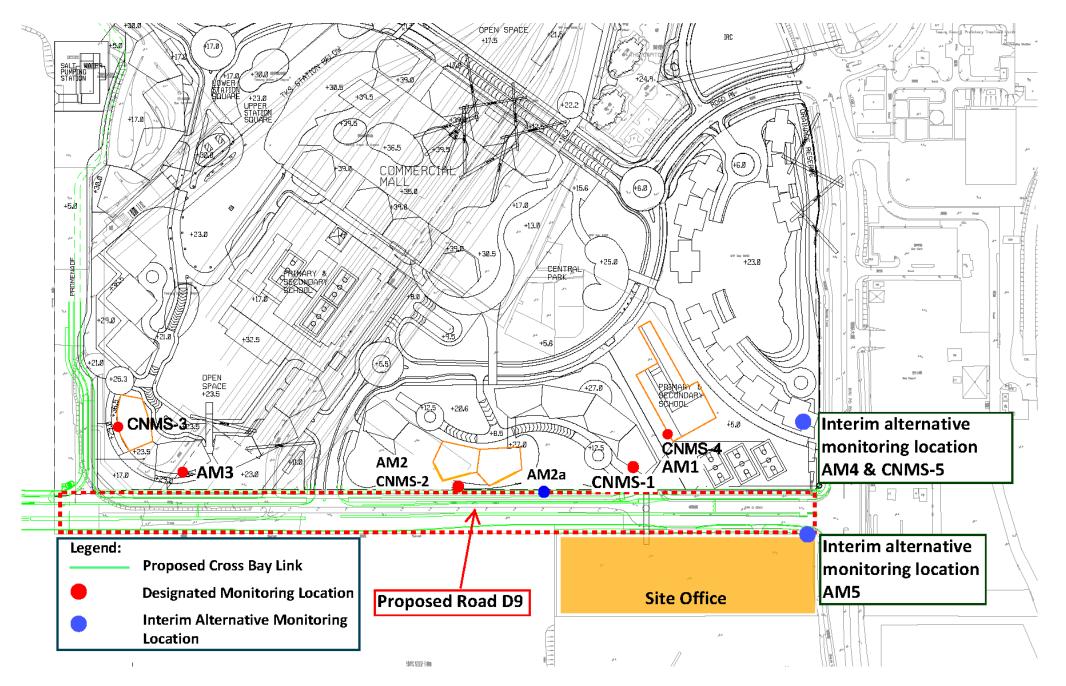
Revision	Checked	Approved
nme Update (Mar 2021)	TL	StL
nme Update (May 2021)	CkT	StL
nme Update (Jul 2021)	CKT	StL
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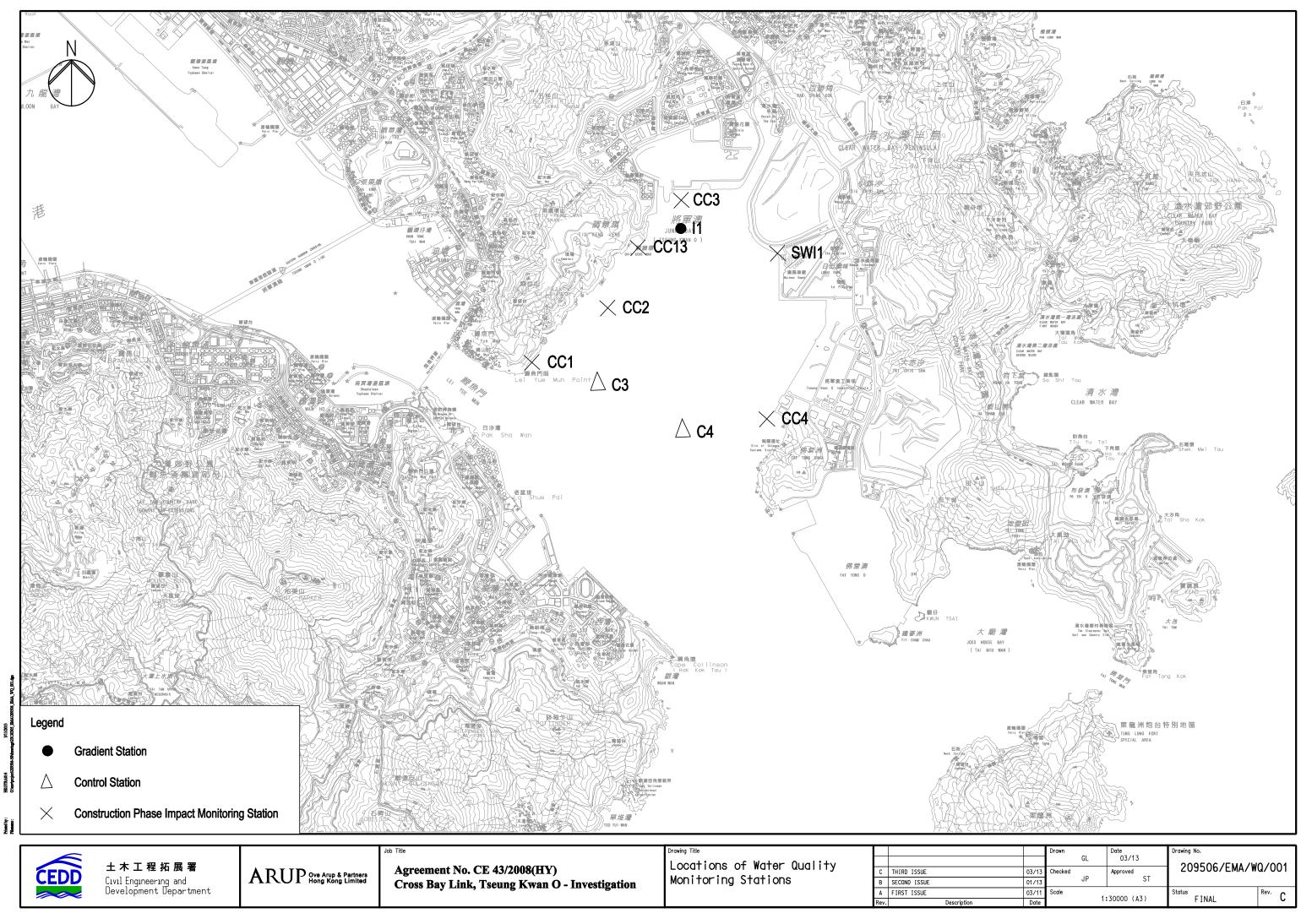
# **Appendix D**

Monitoring Location (Air Quality, Noise and Water Quality)

#### CEDD Contract Agreement No. EDO/04/2018 -Environmental Team for Cross Bay Link, Tseung Kwan O Designated and Interim Alternative Air Quality and Noise Monitoring Location

# AUES





		UL.	03/13		0/001
03/13	Checked	10	Approved	209506/EMA/W	u/001
01/13		JP	ST		
03/11	Scale	4.	20000 (17)	Status	Rev. C
Date		13	30000 (A3)	FINAL	U U

Appendix E

**Event and Action Plan** 



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



		ACTION		
EVENT	Environmental Team (ET)	Independent Environmental Checker (IEC)	Project Consultant	Contractor
LIMIT LEVEL				
Exceedance for one sample	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Inform Project Consultant, Contractor, IEC and EPD;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and Project Consultant informed of the results.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>Advise the Project Consultant on the effectiveness of the proposed remedial measures;</li> <li>Supervise implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of failure in writing;</li> <li>Notify Contractor;</li> <li>Ensure remedial measures properly implemented.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within</li> <li>working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> </ol>

#### CEDD Contract Agreement No. EDO/04/2018 -Environmental Team for Cross Bay Link, Tseung Kwan O Event and Action Plan for Air Quality Monitoring



	ACTION				
EVENT	Environmental Team (ET)	Independent Environmental Checker (IEC)	Project Consultant	Contractor	
LIMIT LEVEL		1			
Exceedance for two or more consecutive samples	<ol> <li>Notify IEC, Project Consultant, Contractor and EPD;</li> <li>Identify source;</li> <li>Repeat measurement to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>Arrange meeting with IEC and Project Consultant to discuss the remedial actions to be taken;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and Project Consultant informed of the results;</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Discuss amongst Project Consultant, ET, and Contractor on the potential remedial actions;</li> <li>Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the Project Consultant accordingly;</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Notify Contractor;</li> <li>In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Ensure remedial measures properly implemented;</li> <li>If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Resubmit proposals if problem still not under control;</li> <li>Stop the relevant portion of works as determined by the Project Consultant until the exceedance is abated.</li> </ol>	

	ACTION				
EVENT	Environmental Team (ET)	Independent Environmental Checker (IEC)	Project Consultant	Contractor	
Action Level	<ol> <li>Notify IEC and contractor;</li> <li>Carry out investigation;</li> <li>Report the results of investigation to the IEC, Project Consultant and Contractor;</li> <li>Discuss with the Contractor and formulate remedial measures;</li> <li>Increase monitoring frequency to check mitigation effectiveness.</li> </ol>	<ol> <li>Review the analysed results submitted by the ET;</li> <li>Review the proposed remedial measures by the Contractor and advise the Project Consultant accordingly;</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing; 2. Notify Contractor;</li> <li>Require Contractor to propose remedial measures for the analysed noise problem;</li> <li>Ensure remedial measures are properly implemented</li> </ol>	<ol> <li>Submit noise mitigation proposals to IEC;</li> <li>Implement noise mitigation proposals.</li> </ol>	
Limit Level	<ol> <li>Identify source;</li> <li>Inform IEC, Project Consultant, EPD and Contractor;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency;</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>Inform IEC, Project Consultant and EPD the causes and actions taken for the exceedances;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and Project Consultant informed of the results;</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Discuss amongst Project Consultant, ET, and Contractor on the potential remedial actions;</li> <li>Review Contractors remedial actions whenever necessary to assure their effectiveness and advise the Project Consultant accordingly;</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Notify Contractor;</li> <li>Require Contractor to propose remedial measures for the analysed noise problem;</li> <li>Ensure remedial measures properly implemented;</li> <li>If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.</li> </ol>	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within 3 working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Resubmit proposals if problem still not under control;</li> <li>Stop the relevant portion of works as determined by the Project Consultant until the exceedance is abated.</li> </ol>	



	ACTION				
EVENT	Environmental Team (ET)	Independent Environmental Checker (IEC)	Project Consultant	Contractor	
Action level being exceeded by one sampling day at water sensitive receiver(s)	<ol> <li>Identify the source(s) of impact by comparing the results with those collected at the gradient stations and the control stations as appropriate;</li> <li>If exceedance is found to be caused by the marine works, repeat <i>in-situ</i> measurement to confirm findings;</li> <li>Inform IEC and contractor;</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>If exceedance occurs at WSD salt water intake, inform WSD;</li> <li>Discuss mitigation measures with IEC and Contractor;</li> <li>Repeat measurement on next day of exceedance.</li> </ol>	<ol> <li>Discuss mitigation measures with ET and Contractor;</li> <li>Review proposal on mitigation measures submitted by Contractor and advise the Project Consultant accordingly;</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Discuss proposed mitigation measures with IEC;</li> <li>Make agreement on the mitigation proposal.</li> </ol>	<ol> <li>Inform the Project Consultant and confirm notification of the non- compliance in writing;</li> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment;</li> <li>Amend working methods if appropriate;</li> <li>Discuss with ET and IEC and propose mitigation measures to IEC and Project Consultant;</li> <li>Implement the agree mitigation measures.</li> </ol>	
Action level being exceeded by two or more consecutive sampling days at water sensitive receiver(s)	<ol> <li>Identify the source(s) of impact by comparing the results with those collected at the gradient stations and the control stations as appropriate;</li> <li>If exceedance is found to be caused by the marine works, repeat <i>in-situ</i> measurement to confirm findings;</li> <li>Inform IEC and contractor;</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>Discuss mitigation measures with IEC, and Contractor;</li> <li>Ensure mitigation measures are</li> </ol>	<ol> <li>Discuss mitigation measures with ET and Contractor;</li> <li>Review proposal on mitigation measures submitted by Contractor and advise the Project Consultant accordingly;</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Discuss proposed mitigation measures with IEC;</li> <li>Make agreement on the mitigation proposal;</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Inform the Project Consultant and confirm notification of the noncompliance in writing;</li> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment and consider changes of working methods;</li> <li>Discuss with ET, IEC and Project Consultant and propose mitigation measures to IEC and Project Consultant within 3 working</li> </ol>	



		ACTION		
EVENT	Environmental Team (ET)	Independent Environmental Checker (IEC)	Project Consultant	Contractor
	<ul> <li>implemented;</li> <li>7. Prepare to increase the monitoring frequency to daily;</li> <li>8. If exceedance occurs at WSD salt water intake, inform WSD;</li> <li>9. Repeat measurement on next day of exceedance.</li> </ul>			days; 5. Implement the agreed mitigation measures.
Limit level being exceeded by one sampling day at water sensitive receiver(s)	<ol> <li>Identify the source(s) of impact by comparing the results with those collected at the gradient stations and the control stations as appropriate;</li> <li>If exceedance is found to be caused by the marine works, repeat <i>in-situ</i> measurement to confirm findings;</li> <li>Inform IEC, contractor and EPD</li> <li>Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>Discuss mitigation measures with IEC, ER and Contractor;</li> <li>Ensure mitigation measures are implemented;</li> <li>If exceedance occurs at WSD salt water intake, inform WSD.</li> <li>ET should contact AFCD if the limit level is exceeded by one sampling day or two or more consecutive sampling days at water sensitive receiver(s).</li> </ol>	<ol> <li>Discuss mitigation measures with ET and Contractor;</li> <li>Review proposal on mitigation measures submitted by Contractor and advise the Project Consultant accordingly;</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Discuss proposed mitigation measures with IEC, ET and Contractor;</li> <li>Request Contractor to critically review the working methods;</li> <li>Make agreement on the mitigation measures to be implemented;</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Inform the Project Consultant and confirm notification of the noncompliance in writing;</li> <li>Rectify unacceptable practice;</li> <li>Check all plant and equipment and consider changes of working methods;</li> <li>Discuss with ET, IEC and Project Consultant and submit proposal of mitigation measures to IEC and Project Consultant within 3 working days of notification;</li> <li>Implement the agreed mitigation measures.</li> </ol>
Limit level	1. Identify the source(s) of impact by	1. Discuss mitigation	1. Discuss proposed	1. Inform the Project
being exceeded	comparing the results with those	measures with ET and	mitigation measures with	Consultant and confirm
by two or more	collected at the gradient stations and the	Contractor;	IEC, ET and Contractor;	notification of the



		ACTION		
EVENT	Environmental Team (ET)	Independent Environmental Checker (IEC)	Project Consultant	Contractor
sampling days at 2	control stations as appropriate; 2. If exceedance is found to be caused	2. Review proposal on mitigation measures	2. Request Contractor to critically review the	<ul><li>noncompliance in writing;</li><li>2. Rectify unacceptable</li></ul>
water sensitive receiver(s) m 3 4 4 e m 5 1 1 6 6 iii 7 ff 8 8 9	by the marine works, repeat <i>in-situ</i> measurement to confirm findings; 3. Inform IEC, contractor and EPD; 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Discuss mitigation measures with IEC, and Contractor; 6. Ensure mitigation measures are implemented; 7. Prepare to increase the monitoring frequency to daily; 8. If exceedance occurs at WSD salt water intake, inform WSD; 9. Repeat measurement on next day of exceedance.	submitted by Contractor and advise the Project Consultant accordingly; 3. Assess the effectiveness of the implemented mitigation measures.	<ul> <li>working methods;</li> <li>3. Make agreement on the mitigation measures to be implemented;</li> <li>4. Assess the effectiveness of the implemented mitigation measures;</li> <li>5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit level.</li> </ul>	practice; 3. Check all plant and equipment and consider changes of working methods; 4. Discuss with ET, IEC and Project Consultant and submit proposal of mitigation measures to IEC and Project Consultant within 3 working days of notification; 5. Implement the agreed mitigation measures; 6. As directed by the Engineer, to slow down or to stop all or part of the construction activities.



# Appendix F

## Impact Monitoring Schedule of the Reporting Month and Coming Month

 $Z: \label{eq:loss} \end{tabular} X = \end{tabular} \end{tabular} X = \end{tabular} \end{tabular} \end{tabular} \end{tabular} X = \end{tabular} \end{tabula$ 

#### Impact Monitoring Schedule for the reporting month – September 2022

		Noise Monitoring	Air Quality Monitoring					
	Date	(Leq30min)	1-Hour TSP	24-Hour TSP				
Thu	1-Sep-22							
Fri	2-Sep-22			√				
Sat	3-Sep-22							
Sun	4-Sep-22							
Mon	5-Sep-22	✓	✓					
Tue	6-Sep-22							
Wed	7-Sep-22							
Thu	8-Sep-22			√				
Fri	9-Sep-22		✓					
Sat	10-Sep-22							
Sun	11-Sep-22							
Mon	12-Sep-22							
Tue	13-Sep-22							
Wed	14-Sep-22			√				
Thu	15-Sep-22	✓	✓					
Fri	16-Sep-22							
Sat	17-Sep-22							
Sun	18-Sep-22							
Mon	19-Sep-22							
Tue	20-Sep-22			✓				
Wed	21-Sep-22	✓	✓					
Thu	22-Sep-22							
Fri	23-Sep-22							
Sat	24-Sep-22							
Sun	25-Sep-22							
Mon	26-Sep-22			$\checkmark$				
Tue	27-Sep-22	✓	✓					
Wed	28-Sep-22							
Thu	29-Sep-22							
Fri	30-Sep-22			✓				

✓	Monitoring Day
	Sunday or Public Holiday



#### Impact Monitoring Schedule for coming month – October 2022

		Noise Monitoring	Air Qual	ity Monitoring
	Date	(Leq30min)	1-Hour TSP	24-Hour TSP
Sat	1-Oct-22			
Sun	2-Oct-22			
Mon	3-Oct-22	✓	$\checkmark$	
Tue	4-Oct-22			
Wed	5-Oct-22			
Thu	6-Oct-22			✓
Fri	7-Oct-22		$\checkmark$	
Sat	8-Oct-22			
Sun	9-Oct-22			
Mon	10-Oct-22			
Tue	11-Oct-22			
Wed	12-Oct-22			✓
Thu	13-Oct-22	✓	$\checkmark$	
Fri	14-Oct-22			
Sat	15-Oct-22			
Sun	16-Oct-22			
Mon	17-Oct-22			
Tue	18-Oct-22			✓
Wed	19-Oct-22	✓	$\checkmark$	
Thu	20-Oct-22			
Fri	21-Oct-22			
Sat	22-Oct-22			
Sun	23-Oct-22			
Mon	24-Oct-22			✓
Tue	25-Oct-22	✓	$\checkmark$	
Wed	26-Oct-22			
Thu	27-Oct-22			
Fri	28-Oct-22			
Sat	29-Oct-22			✓
Sun	30-Oct-22			
Mon	31-Oct-22	✓	√	

✓	Monitoring Day
	Sunday or Public Holiday

# Appendix G

## Calibration Certificates of Equipment and Accreditation Laboratory Certificate

### TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location :		Date	of Cal	libratio	on: 1-Se	p-22									
Location 1	ID :	l	Next Ca	ılibrati	ion Dat	te: 1-No	ov-22								
Name and	l Model: '			Teo	chnicia	n: Eric									
						CONDI	TIONS								
	Se	a Level I	Pressure	(hPa)		1007.9	Ī		Corr	rected F	ressure	e (mm	Hg)	755.9	925
Sea Level Pressure (hPa)											berature		8/		302
		Temp	oratare			29.4	l			Tomp	oracare	(11)	Ļ	•	502
				C/	٩LII	BRATIC	ON ORI	FICE							
				Make->						Qstd S	lope ->	•	-	1.99838	3
				Model->					Q	std Inter	cept ->	•	ŀ	0.0090	13
				Serial # ->	161	2									
					C	ALIBR	ATION								
Plate	H20 (L)	H2O (R)	H20	Qstd		Ι	IC				LINE	EAR			
No.	(in)	(in)	(in)	(m3/min)	((	chart)	correc			F	REGRE		V		
18	5.90	5.90	11.8	1.706		56	55.0				Slope =				
13	4.30	4.30	8.6	1.457		50	49.1				ercept =		9832		
10	3.50	3.50	7.0	1.315		44	43.2	-			966				
7	2.40	2.40	4.8	1.090		36	35.3			0011.		0.,	//00		
5	1.40	1.40	2.8	0.834		29	28.5								
	1.10	1.10	2.0	0.051		2)	20.5	<u> </u>							
Calculatio	ons :								FLC	W RAT	Е СНА	RT			
Qstd = 1/1	n[Sart(H	20(Pa/Ps	td)(Tstd	/Ta))-b]		60.0	<sup>00</sup>								1
IC = I[Squ				[[[]]										•	
10 1[04		.)(1500/1	u)]			50.0									
Qstd = sta	ndard flo	w rate				50.0						>	1		
IC = correction			es												
I = actual		-	05			<u>ට</u> 40.0	00					/			
m = calibr		-				se (I									
b = calibration	-	-	+			uod									
	-			oration ( deg	- V	<b>5</b> 30.0	00			_					
	_		-		-	hart				•					
Psid = aci	ual press	ure durir	ig canora	ation ( mm l	Hg	Actual chart response (IC 0.05 actual chart response (IC									
				pler flow:		20.0 <b>Actu</b>	00								
	-			-											
1/m((I)[S	Sqrt(298/	Tav)(Pav	///60)]-t	))		10.0									
						10.0									
m = samp															
b = samp		ept				0.0	<sub>00</sub>								
I = chart r	-					5.	0.000		0.500	1.	000	1.5	500	2.0	000
Tav = dai	ly averag	e temper	ature						Stand	ard Flow	Rate (m:	3/min)			
Pav = dail	ly averag	e pressui	e												]

### TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

-													
Location :	Junction	ı of Wan	Po Roa	d and Wan (	) R	oad	Date of C	Calib	ration: 1-Sep	-22			
Location I	D :	AM5				N			Date: 1-Nov	v-22			
Name and	Model:	<u>TISCH H</u>	IVS Mo	del TE-5170				Techr	nician: Eric				
					C	CONDIT	IONS						
	~		-	ит.) Г					~	,	F		
	(hPa)	]	1007.9			Corrected Pr			755.9				
		Temp	perature	(°C)		29.4			Tempe	erature (K	)		302
				CA	LIB	BRATIO		•					
				Make->	TIS	CH			Qstd S1	one ->	[-	1.99838	$\overline{\mathbf{x}}$
				Model->					Qstd Interc	-		0.0090	
				Serial # ->					2000 10000		L	0.0070	<u> </u>
					U.	ALIBR	ATION						
Plate	H20 (L)	H2O (R)	H20	Qstd		Ι	IC			LINEAR			
No.	(in)	(in)	(in)	(m3/min)	(c	hart)	corrected		R	EGRESSI	ON		
18	6.00	6.00	12.0	1.721		59	57.99		S	lope = 2	5.4168		
13	4.40	4.40	8.8	1.474		52	51.11		Inter	cept = 1	3.9245		
10	2.60	2.60	5.2	1.134		43	42.26		Corr. co	oeff. =	0.9992		
7	1.80	1.80	3.6	0.945		39	38.33						
5	1.30	1.30	2.6	0.803		35	34.40						
Calculatio	nns ·								FLOW RATE				
Qstd = 1/r		$2\Omega(P_2/P_2)$	td)(Tetd	/Ta))-bl		70.0	0						1
IC = I[Sqr				[[]]									
ie ilogi		1)(1500/1	u/]			60.0	0						
Qstd = sta	ndard flo	w rate											
IC = correction			es			50.0	0						
I = actual		-				(jc)							
m = calibr						<b>8</b> 40.0	0			<u>/</u>			
b = calibra	ator Qstd	intercep	t			odse							
Ta = actua	al temper	ature dur	ring calib	bration ( deg	; K	artic			*				
Pstd = act	ual press	ure durin	ig calibra	ation ( mm H	Ig	0.08 gl	0						
						Actual chart response (IC)							
	•			npler flow:		<b>⋖</b> 20.0	0						
1/m((I)[S	Sqrt(298/	Tav)(Pav	/760)]-t	))									
	1 1					10.0	0						
m = sample													
b = sample		ept				0.0							1
I = chart r	-	a tamas	oturo				0.000	0.5 •	500 1.0 Standard Flow F		1.500	2.0	00
Tav = dail Pay = dail									Stanuaru FIOW I	vare (m3/mir	' <b>'</b>		
Pav = dail	y average	e pressur	C										

 RECALIBRATION DUE DATE:

 Environmental
 Discontantion

 Certificate of Calibration

 Calibration Certification Information

 Calibration Certification Information

Cal. Date:	December	27. 2021	Rooten	neter S/N:	438320	Tar	295	°K
Operator:	Jim Tisch	27,2021	Nootsi	neter S/IV.	430320			
						Pa:	740.4	mm Hg
Calibration	Model #:	TE-5025A	Calib	rator S/N:	1612			
		Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔΡ	ΔΗ	1
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(in H2O)	
	1	1	2	1	1.3890	3.2	2.00	7
	2	3	4	1	0.9760	6.4	4.00	-
	3	5	6	1	0.8740	7.9	5.00	1
	4	7	8	1	0.8320	8.8	5.50	1
	5	9	10	1	0.6870	12.7	8.00	1
	1		D	ata Tabula	tion			ī
								1
	Vstd	Qstd	√∆H(Pa Pstd	$\left(\frac{\text{Tstd}}{\text{Ta}}\right)$	_	Qa	√∆Н(Та/Ра)	
	(m3)	(x-axis)	(y-axi		Va	(x-axis)	(y-axis)	
	0.9799	0.7055	1.402		0.9957	0.7168	0.8927	-
	0.9756	0.9996	1.9841		0.9914	1.0157	1.2624	-
	0.9736	1.1140	2.2183		0.9893	1.1320	1.4114	-
	0.9724	1.1688	2.326		0.9881	1.1876	1.4803	-
	0.9673	1.4079	2.805		0.9828	1.4306	1.7853	-
	OCTO	m=	1.998		04		1.25135	
	QSTD	b= r=	-0.009		QA	b= r=	-0.00574	
			0.335			1-	0.55555	1
				Calculation				
			/Pstd)(Tstd/Ta	)		ΔVol((Pa-Δl	P)/Pa)	1
	Qstd=	Vstd/∆Time				Va/∆Time		-
			For subseque	ent flow rat	te calculation	ns:		
	Qstd=	1/m (( \\ \ \ \ \ \ \ H (	Pa ( <u>Tstd</u> Pstd (Ta	)-ь)	Qa=	1/m ((√∆H	l(Та/Ра))-b)	
	Standard	Conditions	1				1	
Tstd:				[		RECA	LIBRATION	
Pstd:		mm Hg						100
		ley					nnual recalibration	
	and the second sec	er reading (in eter reading (					Regulations Part	
		perature (°K)	(initi rig)		1.1.1.1		, Reference Met	
		essure (mm	Hg)				ended Particulat	
b: intercept	the second se		-0/		the	e Atmosphe	ere, 9.2.17, page	30
m: slope								

Tisch Environmental, Inc.

145 South Miami Avenue

Village of Cleves, OH 45002

www.tisch-env.com TOLL FREE: (877)263-7610 FAX: (513)467-9005

# ALS Technichem (HK) Pty Ltd

#### ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

#### SUB-CONTRACTING REPORT



CONTACT	: MR BEN TAM	WORK ORDER HK2210526
CLIENT	ACTION-UNITED ENVIRONMENTAL	
	SERVICES & CONSULTING	
ADDRESS	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41	SUB-BATCH : 1
	TAI LIN PAI ROAD, KWAI CHUNG, N.T.	DATE RECEIVED : 18-MAR-2022
		DATE OF ISSUE : 28-MAR-2022
PROJECT	:	NO. OF SAMPLES : 1
		CLIENT ORDER ÷

#### **General Comments**

- Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition. The result(s) related only to the item(s) tested.
- Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.
- Calibration was subcontracted to and analysed by Action United Environmental Services & Consulting.

#### Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories	Position	
Richard Forg		
Richard Fung	Managing Director	

This is the Final Report and supersedes any preliminary report with this batch number.

All pages of this report have been checked and approved for release.

ALS Technichem (HK) Pty Ltd Part of the ALS Laboratory Group

11/F. Chung Shun Knitting Centre 1 - 3 Wing Yip Street Kwai Chung N.T. Hong Kong Tel. +852 2610 1044 Fax. +852 2610 2021 www.alsglobal.com WORK ORDER SUB-BATCH

CLIENT

PROJECT

: HK2210526

<sup>1</sup> ACTION-UNITED ENVIRONMENTAL SERVICES & CONSULTING : \_\_\_\_



ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2210526-001	S/N: 3Y6501	AIR	18-Mar-2022	S/N: 3Y6501

### **Equipment Verification Report (TSP)**

#### **Equipment Calibrated:**

Туре:	Laser Dust monitor
Manufacturer:	Sibata LD-3B
Serial No.	3Y6501
Equipment Ref:	EQ111

#### Standard Equipment:

Higher Volume Sampler (TSP)
AUES office (calibration room)
HVS 018 & HVS 019
5 November 2021 & 13 December 2021

Equipment Verification Results:

#### Verification Date:

#### 20 December 2021 & 7 January 2022

Date	Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in ug/m <sup>3</sup> (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
7 Jan 22	2hr	11:55 ~ 13:55	18.6	1021.6	55.1	2574	21.5
7 Jan 22	2hr27mins	14:23 ~ 16:50	18.6	1021.6	54.8	2671	18.2
7 Jan 22	2hr09mins	16:50 ~ 18:59	18.6	1021.6	56.5	2811	21.8
20 Dec 21*	45mins	10:15 ~ 11:00	20.5	1008.7	472.0	10069	223.8
20 Dec 21*	31mins	11:05 ~ 11:36	20.5	1008.7	187.2	2054	67.1

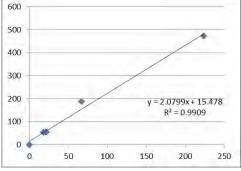
(\*) Suspended particle was added into calibration room of HVS019 for high concentration test.

Sensitivity Adjustment Scale Setting (Before Calibration) Sensitivity Adjustment Scale Setting (After Calibration) 657 (CPM)

657

#### Linear Regression of Y or X

- Slope (K-factor): Correlation Coefficient (R)
- <u>2.0799 (μg/m<sup>3</sup>)/CPM</u> 0.9954 15 January 2022



(CPM)

<u>Remarks:</u>

Date of Issue

1. Strong Correlation (R>0.8)

2. Factor 2.0799 (µg/m<sup>3</sup>)/CPM should be apply for TSP monitoring

\*If R<0.5, repair or re-verification is required for the equipment

Operator :	Fai So	Signature :	Ja	Date :	15 January 2022
QC Reviewer :	Ben Tam	Signature :	36	Date :	15 January 2022

### TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : Gold King Industrial Building, Ky Location ID : Calibration Room	Date of Calibration: 5-Nov-21 Next Calibration Date: 5-Feb-22			
	COND	ITIONS		
Sea Level Pressure (hPa) 1 Temperature (°C)	1012.5 25.6		Corrected Pressure (mm Hg) 759.37 Temperature (K) 29	
CALI	BRATI	ON ORIFICI	E	
	SCH 25A an-21		Qstd Slope ->2.10574Qstd Intercept ->-0.00985Expiry Date->18-Jan-22	5
	CALIB	RATION		
	I nart)	IC corrected	LINEAR REGRESSION	
13         5         5         10.0         1.504         4           10         3.9         3.9         7.8         1.329         4           8         2.5         2.5         5.0         1.065         3	52 48 42 36 28	51.93 47.93 41.94 35.95 27.96	Slope = 24.2092 Intercept = 10.8881 Corr. coeff. = 0.9959	
Calculations : Qstd = 1/m[Sqrt(H20(Pa/Pstd)(Tstd/Ta))-b] IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)] Qstd = standard flow rate IC = corrected chart respones I = actual chart response m = calibrator Qstd slope b = calibrator Qstd intercept Ta = actual temperature during calibration ( deg K ) Pstd = actual pressure during calibration ( mm Hg ) For subsequent calculation of sampler flow: 1/m(( I )[Sqrt(298/Tav)(Pav/760)]-b) m = sampler slope b = sampler intercept I = chart response Tav = daily average temperature	60. 50. 40. 30. 20. 10. 0.	00	FLOW RATE CHART	00

#### TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : Gold King Industrial Building, Kwai Chung Location ID : Calibration Room								Date of Calibration: 13-Dec-21 Next Calibration Date: 13-Mar-22
						COND	ITIONS	
Sea Level Pressure (hPa)1014.3ConTemperature (°C)24.0								Corrected Pressure (mm Hg) 760.725 Temperature (K) 297
					CALI	BRATI	ON ORIFIC	CE
			Calibrat	Make-> Model-> ion Date->	502	CH 25A an-21		Qstd Slope ->         2.10574           Qstd Intercept ->         -0.00985           Expiry Date->         18-Jan-22
					C	CALIBI	RATION	
Plate No.	H20 (L) (in)	H2O (R) (in)	H20 (in)	Qstd (m3/min)	(ch	[ art)	IC corrected	LINEAR REGRESSION
18 13 10 8 5	6.2 4.9 3.7 2.4 1.5	6.2 4.9 3.7 2.4 1.5	12.4 9.8 7.4 4.8 3.0	1.681 1.495 1.299 1.047 0.829	5 4 4 3	2 4 0 0 0	52.11 44.10 40.09 30.06 20.04	Slope = $36.4525$ Intercept = $-9.0200$ Corr. coeff. = $0.9943$
	n[Sqrt(H t(Pa/Pstc ndard flc cted cha chart res ator Qstd tor Qstd l temper ual press <b>quent ca</b>	d)(Tstd/T ow rate rt respon ponse d slope intercep rature dur ure durin	a)] es t ring cali ring calibr g calibr	bration ( de ation ( mm		60 50 00 00 00 00 00 00 00 00 00	.00	FLOW RATE CHART
b = sampl I = chart re Tav = dail Pav = dail	er interc esponse y averag	e temper				0	0.000	0.500 1.000 1.500 2.000 Standard Flow Rate (m3/min)



RECALIBRATION DUE DATE: January 19, 2022

Certificate of Calibration

Cal. Date:	January 19,	2021	Rootsn	neter S/N:	438320	Ta:	294	°К	
Operator:	Jim Tisch				755.1	mm Hg			
					brator S/N: 1941				
		1						1	
	Dura	Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔΡ	ΔH		
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(in H2O)	1	
	1	1	2	1	1.4830	3.2	2.00	4	
	3	5	6	1	1.0420 0.9290	6.4 8.0	4.00	4	
	4	7	8	1	0.9290	8.8	5.00 5.50	4	
	5	9	10	1	0.8840	12.9	8.00	4	
						12.9	8.00	1	
			D	ata Tabula	ion				
	Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right)}$	)( <u>Tstd</u> )	1.7	Qa	$\sqrt{\Delta H(Ta/Pa)}$		
	(m3)	(x-axis)	(y-axi		Va	(x-axis)	(y-axis)		
(	1.0029	0.6762	1.419	2	0.9958	0.6715	0.8824	]	
	0.9986	0.9583	2.007		0.9915	0.9516	1.2479		
	0.9965	1.0726	2.244		0.9894	1.0650	1.3952		
	0.9954	1.1260	2.353		0.9883	1.1180	1.4633		
	0.9899	1.3487	2.838		0.9829	1.3391	1.7648		
	OCTO	m=	2.105		0.0	m=	1.31858		
	QSTD	b= r=	-0.009		QA	b= r=	-0.00612 0.99992		
		1-	0.999			r-	0.99992	1	
			10 . 11/2 . 1/2	Calculation					
			/Pstd)(Tstd/Ta						
	Qsta=	Vstd/∆Time		Qa= Va/∆Time					
			For subseque						
===	Qstd=	1/m (( \\ \ \ \ \ H (-	$\frac{Pa}{Pstd}$ $\left(\frac{Tstd}{Ta}\right)$	)-b)	Qa=	1/m ((√∆⊦	l(Та/Ра))-b)		
1	and the second sec	Conditions							
Tstd:				[		RECA	LIBRATION		
Pstd:		mm Hg		[		mmonde	anual rocalibrati	n no- 100	
H. calibrate		ey	1120)				nnual recalibration		
		er reading (in eter reading (					Regulations Part		
		perature (°K)					, Reference Meth		
		essure (mm					ended Particulat		
b: intercept	P.	and the second s			the	e Atmosphe	ere, 9.2.17, page	30	
m: slope				1					

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

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

# ALS Technichem (HK) Pty Ltd

#### ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

#### SUB-CONTRACTING REPORT



CONTACT	: MR BEN TAM	WORK ORDER HK2210525
CLIENT	ACTION-UNITED ENVIRONMENTAL	
	SERVICES & CONSULTING	
ADDRESS	: RM A 20/F., GOLD KING IND BLDG, NO. 35-41	SUB-BATCH : 1
	TAI LIN PAI ROAD, KWAI CHUNG, N.T.	DATE RECEIVED : 18-MAR-2022
		DATE OF ISSUE : 28-MAR-2022
PROJECT	:	NO. OF SAMPLES : 1
		CLIENT ORDER

#### **General Comments**

- Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition. The result(s) related only to the item(s) tested.
- Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.
- Calibration was subcontracted to and analysed by Action United Environmental Services & Consulting.

#### Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories	Position	
Richard Forg		
Richard Fung	Managing Director	

This is the Final Report and supersedes any preliminary report with this batch number.

All pages of this report have been checked and approved for release.

ALS Technichem (HK) Pty Ltd Part of the ALS Laboratory Group

11/F. Chung Shun Knitting Centre 1 - 3 Wing Yip Street Kwai Chung N.T. Hong Kong Tel. +852 2610 1044 Fax. +852 2610 2021 www.alsglobal.com WORK ORDER SUB-BATCH

CLIENT

PROJECT

: HK2210525

<sup>1</sup> ACTION-UNITED ENVIRONMENTAL SERVICES & CONSULTING : \_\_\_\_



ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2210525-001	S/N: 366410	AIR	18-Mar-2022	S/N: 366410

### **Equipment Verification Report (TSP)**

#### **Equipment Calibrated:**

Туре:	Laser Dust monitor
Manufacturer:	Sibata LD-3B
Serial No.	366410
Equipment Ref:	EQ110

#### Standard Equipment:

Higher Volume Sampler (TSP)
AUES office (calibration room)
HVS 018 & HVS 019
5 November 2021 & 13 December 2021

Equipment Verification Results:

#### Verification Date:

#### 20 December 2021 & 7 January 2022

Date	Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in ug/m <sup>3</sup> (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
7 Jan 22	2hr	11:55 ~ 13:55	18.6	1021.6	55.1	2677	22.3
7 Jan 22	2hr27mins	14:23 ~ 16:50	18.6	1021.6	54.8	2561	17.4
7 Jan 22	2hr09mins	16:50 ~ 18:59	18.6	1021.6	56.5	2711	21.0
20 Dec 21*	45mins	10:15 ~ 11:00	20.5	1008.7	472.0	9461	210.2
20 Dec 21*	31mins	11:05 ~ 11:36	20.5	1008.7	187.2	4011	131.1

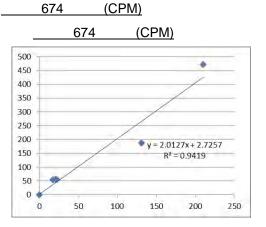
(\*) Suspended particle was added into calibration room of HVS019 for high concentration test.

Sensitivity Adjustment Scale Setting (Before Calibration) Sensitivity Adjustment Scale Setting (After Calibration)

Linear Regression of Y or X

Slope (K-factor): \_\_\_\_\_ Correlation Coefficient (R) \_\_\_\_

2.0127 (μg/m<sup>3</sup>)/CPM 0.9705 15 January 2022



#### Remarks:

Date of Issue

1. Strong Correlation (R>0.8)

2. Factor 2.0127 (µg/m<sup>3</sup>)/CPM should be apply for TSP monitoring

\*If R<0.5, repair or re-verification is required for the equipment

Operator :	Fai So	Signature :	Ja	Date :	15 January 2022
QC Reviewer : _	Ben Tam	Signature :	K	Date :	15 January 2022

### TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location : Gold King Industrial Building, Ky Location ID : Calibration Room	Date of Calibration: 5-Nov-21 Next Calibration Date: 5-Feb-22			
	COND	ITIONS		
Sea Level Pressure (hPa) 1 Temperature (°C)	1012.5 25.6		Corrected Pressure (mm Hg) 759.37 Temperature (K) 29	
CALI	BRATI	ON ORIFICI	E	
	SCH 25A an-21		Qstd Slope ->2.10574Qstd Intercept ->-0.00985Expiry Date->18-Jan-22	5
	CALIB	RATION		
	I nart)	IC corrected	LINEAR REGRESSION	
13         5         5         10.0         1.504         4           10         3.9         3.9         7.8         1.329         4           8         2.5         2.5         5.0         1.065         3	52 48 42 36 28	51.93 47.93 41.94 35.95 27.96	Slope = 24.2092 Intercept = 10.8881 Corr. coeff. = 0.9959	
Calculations : Qstd = 1/m[Sqrt(H20(Pa/Pstd)(Tstd/Ta))-b] IC = I[Sqrt(Pa/Pstd)(Tstd/Ta)] Qstd = standard flow rate IC = corrected chart respones I = actual chart response m = calibrator Qstd slope b = calibrator Qstd intercept Ta = actual temperature during calibration ( deg K ) Pstd = actual pressure during calibration ( mm Hg ) For subsequent calculation of sampler flow: 1/m(( I )[Sqrt(298/Tav)(Pav/760)]-b) m = sampler slope b = sampler intercept I = chart response Tav = daily average temperature	60. 50. 40. 30. 20. 10. 0.	00	FLOW RATE CHART	00

#### TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET

Location :Gold King Industrial Building, Kwai ChungLocation ID :Calibration Room						Date of Calibration: 13-Dec-21 Next Calibration Date: 13-Mar-22		
						COND	ITIONS	
	Se	a Level I Temp	Pressure perature	. ,	1	014.3 24.0		Corrected Pressure (mm Hg) 760.725 Temperature (K) 297
					CALI	BRATI	ON ORIFIC	CE
			Calibrat	Make-> Model-> ion Date->	502	CH 25A an-21		Qstd Slope ->         2.10574           Qstd Intercept ->         -0.00985           Expiry Date->         18-Jan-22
					C	CALIBI	RATION	
Plate No.	H20 (L) (in)	H2O (R) (in)	H20 (in)	Qstd (m3/min)	(ch	[ art)	IC corrected	LINEAR REGRESSION
18 13 10 8 5	6.2 4.9 3.7 2.4 1.5	6.2 4.9 3.7 2.4 1.5	12.4 9.8 7.4 4.8 3.0	1.681 1.495 1.299 1.047 0.829	5 4 4 3	2 4 0 0 0	52.11 44.10 40.09 30.06 20.04	Slope = $36.4525$ Intercept = $-9.0200$ Corr. coeff. = $0.9943$
	n[Sqrt(H t(Pa/Pstc ndard flc cted cha chart res ator Qstd tor Qstd l temper ual press <b>quent ca</b>	d)(Tstd/T ow rate rt respon ponse d slope intercep rature dur ure durin	a)] es t ring cali ring calibr g calibr	bration ( de ation ( mm		60 50 00 00 00 00 00 00 00 00 00	.00	FLOW RATE CHART
b = sampl I = chart re Tav = dail Pav = dail	er interc esponse y averag	e temper				0	0.000	0.500 1.000 1.500 2.000 Standard Flow Rate (m3/min)



RECALIBRATION DUE DATE: January 19, 2022

Certificate of Calibration

Cal. Date:	January 19, 2021 Rootsn			neter S/N:	438320	Ta:	294	°K	
Operator:	Jim Tisch						755.1	mm Hg	
Calibration	Model #:	TE-5025A	Calib	rator S/N:	1941				
		1						1	
	Dura	Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔΡ	ΔH		
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(in H2O)	1	
	1	1	2	1	1.4830	3.2	2.00	4	
	3	5	6	1	1.0420 0.9290	6.4 8.0	4.00	4	
	4	7	8	1	0.9290	8.8	5.00 5.50	4	
	5	9	10	1	0.8840	12.9	8.00	4	
						12.9	8.00	1	
			D	ata Tabula	ion				
	Vstd	Qstd	$\sqrt{\Delta H \left(\frac{Pa}{Pstd}\right)}$	)( <u>Tstd</u> )	1.7	Qa	$\sqrt{\Delta H(Ta/Pa)}$		
	(m3)	(x-axis)	(y-axi		Va	(x-axis)	(y-axis)		
(	1.0029	0.6762	1.4192		0.9958	0.6715	0.8824	]	
	0.9986	0.9583	2.0071		0.9915	0.9516	1.2479		
	0.9965	1.0726		2.2440		1.0650	1.3952		
	0.9954	1.1260	2.353		0.9883	1.1180	1.4633		
	0.9899	1.3487	2.838		0.9829	1.3391	1.7648		
	OCTO	m=	2.105		0.0	m=	1.31858		
	QSTD	b= r=	-0.009		QA	b= r=	-0.00612 0.99992		
		1-	0.999			r-	0.99992	1	
			10 . 11/2 . 1/2	Calculation					
0.5			/Pstd)(Tstd/Ta	)	Va= ΔVol((Pa-ΔP)/Pa)				
	Qsta=	Vstd/∆Time				Va/∆Time			
			For subseque	ent flow rat	e calculation	ns:			
===	<b>Qstd=</b> $1/m\left(\left(\sqrt{\Delta H\left(\frac{Pa}{Pstd}\right)\left(\frac{Tstd}{Ta}\right)}\right)-b\right)$				$Qa = 1/m\left(\left(\sqrt{\Delta H(Ta/Pa)}\right)-b\right)$				
1	and the second sec	Conditions							
Tstd:				[		RECA	LIBRATION		
Pstd:		mm Hg		[		mmonde	anual rocalibrati	n no- 100	
H. calibrate		ey	1120)				nnual recalibration		
		er reading (in eter reading (					Regulations Part		
		perature (°K)					, Reference Meth		
		essure (mm					ended Particulat		
b: intercept	P.	and the second s			the	e Atmosphe	ere, 9.2.17, page	30	
m: slope				1					

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

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



輝創工程有限公司

Sun Creation Engineering Limited

Calibration & Testing Laboratory

# Certificate of Calibration 校正證書

Certificate No. : C216478 證書編號

ITEM TESTED / 送檢項	目 (Job No. / 序引編號: IC21-2189)	Date of Receipt / 收件日期: 25 October 2021
Description / 儀器名稱 :	Sound Calibrator (EQ087)	
Manufacturer / 製造商 :	Rion	
Model No. / 型號 :	NC-74	
Serial No. / 編號 :	34657231	
Supplied By / 委託者 :	Action-United Environmental Services	and Consulting
	Unit A, 20/F., Gold King Industrial Bui	lding,
	35-41 Tai Lin Pai Road, Kwai Chung, N	<b>у.Т.</b>

#### TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Line Voltage / 電壓 : --- Relative Humidity / 相對濕度 : (50 ± 25)%

#### TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 9 November 2021

#### TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only. The results do not exceed manufacturer's specification. The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

- Agilent Technologies / Keysight Technologies

÷

- Fluke Everett Service Center, USA

Tested By 測試

K P Cheuk

Project Engineer

K C/Lee Engineer

Certified By 核證 Date of Issue 簽發日期

•

10 November 2021

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準,局部複印本證書需先獲本實驗所書面批准,

Sun Creation Engineering Limited - Calibration & Testing Laboratory c/o 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong 輝創工程有限公司 - 校正及檢測實驗所 c/o 香港新界屯門興安里一號四樓 Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址; www.suncreation.com Page 1 of 2



Sun Creation Engineering Limited

**Calibration & Testing Laboratory** 

# Certificate of Calibration 校正證書

Certificate No. : C216478 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point. 2.
- 3. Test equipment :

Equipment ID	Description	Certificate No.
CL130	Universal Counter	C213954
CL281	Multifunction Acoustic Calibrator	AV210017
TST150A	Measuring Amplifier	C201309

- 4. Test procedure : MA100N.
- 5. Results :

#### Sound Level Accuracy 5.1

UUT	Measured Value	Mfr's Spec.	Uncertainty of Measured Value
Nominal Value	(dB)	(dB)	(dB)
94 dB, 1 kHz	94.1	± 0.3	± 0.2

#### 5.2 Frequency Accuracy

UUT Nominal Value	Measured Value	Mfr's	Uncertainty of Measured Value	
(kHz)	(kHz)	Spec.	(Hz)	
1	1.001	1 kHz ± 1 %	±1	

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :

Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

本證書所載校正用之測試器材均可溯源至國際標準,局部複印本證書需先獲本實驗所書面批准,

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.



輝創工程有限公司

Sun Creation Engineering Limited

Calibration & Testing Laboratory

# Certificate of Calibration 校正證書

Certificate No. : C216479 證書編號

ITEM TESTED / 送檢」	項目	(Job No. / 序引編號: IC21-2189)	Date of Receipt / 收件日期: 25 October 2021
Description / 儀器名稱		Sound Level Meter (EQ016)	
Manufacturer / 製造商	\$	Rion	
Model No. / 型號	÷.	NL-52	
Serial No. / 編號	2	00464681	
Supplied By / 委託者	:	Action-United Environmental Services a	and Consulting
		Unit A, 20/F., Gold King Industrial Buil	lding,
		35-41 Tai Lin Pai Road, Kwai Chung, N	I.T.

#### TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Line Voltage / 電壓 : --- Relative Humidity / 相對濕度 : (50±25)%

#### TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 9 November 2021

#### TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only. The results do not exceed manufacturer's specification. The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

- Agilent Technologies / Keysight Technologies
- Fluke Everett Service Center, USA

Tested By 測試

K P Cheuk

Project Engineer

Certified By 核證

K C/Lee Engineer

Date of Issue 簽發日期

:

10 November 2021

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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Sun Creation Engineering Limited – Calibration & Testing Laboratory c/o 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong 輝創工程有限公司 - 校正及檢測實驗所 c/o 香港新界屯門興安里一號四樓 Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/稠址: www.suncreation.com Page 1 of 4



# Certificate of Calibration 校正證書

Certificate No. : C216479 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- 2. Self-calibration was performed before the test.
- 3. The results presented are the mean of 3 measurements at each calibration point.
- 4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C210084
CL281	Multifunction Acoustic Calibrator	AV210017

- 5. Test procedure : MA101N.
- 6. Results :
- 6.1 Sound Pressure Level
- 6.1.1 Reference Sound Pressure Level

UUT Setting				Applie	d Value	UUT	IEC 61672
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Class 1 Spec. (dB)
30 - 130	LA	A	Fast	94.00	1	93.6	± 1.1

#### 6.1.2 Linearity

	UU	T Setting	Applie	Applied Value				
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)		
30 - 130	LA	A	Fast	94.00	1	93.6 (Ref.)		
			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	104.00		103.6		
				114.00		113.6		

IEC 61672 Class 1 Spec. :  $\pm$  0.6 dB per 10 dB step and  $\pm$  1.1 dB for overall different.

#### 6.2 Time Weighting

i Linit	UUT	Setting	Sec	Applie	d Value	UUT	IEC 61672		
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Class 1 Spec. (dB)		
30 - 130	L <sub>A</sub>	A	Fast	94.00	1	93.6	Ref.		
		1	Slow			93.6	± 0.3		

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准,

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.



輝創工程有限公司

Sun Creation Engineering Limited

Calibration & Testing Laboratory

# Certificate of Calibration 校正證書

Certificate No.: C216479 證書編號

#### 6.3 Frequency Weighting

#### 6.3.1 A-Weighting

	UUT	Setting		Appl	ied Value	UUT	IEC 61672	
Range (dB)	Function					Freq.	Reading (dB)	Class 1 Spec. (dB)
30 - 130	LA	A	Fast	94.00	63 Hz	67.3	$-26.2 \pm 1.5$	
		100 million			125 Hz	77.4	$-16.1 \pm 1.5$	
					250 Hz	84.9	$-8.6 \pm 1.4$	
					500 Hz	90.4	$-3.2 \pm 1.4$	
					1 kHz	93.6	Ref.	
					2 kHz	94.8	$+1.2 \pm 1.6$	
					4 kHz	94.6	$+1.0 \pm 1.6$	
					8 kHz	92.6	-1.1 (+2.1 ; -3.1)	
					16 kHz	85.7	-6.6 (+3.5 ; -17.0)	

#### 6.3.2 C-Weighting

	UUT	Setting		Appl	ied Value	UUT	IEC 61672
Range (dB)	Function	on Frequency Time Weighting Weighting		Level (dB)	Freq.	Reading (dB)	Class 1 Spec. (dB)
30 - 130	L <sub>C</sub>	С	Fast	94.00	63 Hz	92.7	$-0.8 \pm 1.5$
					125 Hz	93.4	$-0.2 \pm 1.5$
			250 Hz	93.6	$0.0 \pm 1.4$		
					500 Hz	93.6	$0.0 \pm 1.4$
					1 kHz	93.6	Ref.
					2 kHz	93.5	$-0.2 \pm 1.6$
					4 kHz	92.8	$-0.8 \pm 1.6$
			8 kHz	90.7	-3.0 (+2.1 ; -3.1)		
				1	16 kHz	83.7	-8.5 (+3.5; -17.0)

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# Certificate of Calibration 校正證書

Certificate No. : C216479 證書編號

Remarks : - UUT Microphone Model No. : UC-59 & S/N : 17434

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value :	94 dB : 63 Hz	z - 125 Hz : ± 0.35 dB	
	250 H	Iz - 500 Hz : $\pm 0.30$ dB	
	1 kHz	$\pm 0.20 \text{ dB}$	
	2 kHz	z - 4  kHz : ± 0.35 dB	
	8 kHz	: ± 0.45 dB	
	16 kH	Iz $\pm 0.70 \text{ dB}$	
	104 dB: 1 kHz	$\pm 0.10 \text{ dB}$ (Ref. 94 dB)	)
	114 dB : 1 kHz	: ± 0.10 dB (Ref. 94 dB	)

- The uncertainties are for a confidence probability of not less than 95 %.

Note :

Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

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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

## ALS TECHNICHEM (HK) PTY LIMITED

**11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, New Territories, Hong Kong** 香港新界葵涌永業街1-3號忠信針織中心11樓

is accredited by the Hong Kong Accreditation Service (HKAS) to ISO/IEC 17025:2017 for performing specific laboratory activities as listed in the scope of accreditation within the test category of 獲香港認可處根據ISO/IEC 17025:2017認可 進行載於認可範圍內下述測試類別中的指定實驗所活動

**Environmental Testing** 

環境測試

 This accreditation to ISO/IEC 17025:2017 demonstrates technical competence for a defined scope and<br/>the implementation of a management system relevant to laboratory operation<br/>(see joint IAF-ILAC-ISO Communiqué).

 此項 ISO/IEC 17025:2017 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<br/>實施一套與實驗所運作相關的管理體系<br/>(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 HKAS 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

SHUM Wai-leung, Executive Administrator 執行幹事 沈偉良 Issue Date : 28 February 2020 簽發日期 : 二零二零年二月二十八日

Registration Number : HOKLAS 066 註冊號碼 :



Date of First Registration : 15 September 1995 首次註冊日期:一九九五年九月十五日



## **Calibration Certificate for Gas-Pro**

#### Number: CCP/81901

Customer Name:	Tops Instruments Supplies Co.
Address:	Unit 1-5, 20/F., Midas Plaza,
	1 Tai Yau Street, Sanpokong, Hong Kong.
Detector Model:	Crowcon Gas-Pro Portable Gas Detector
Serial Number:	548062/01-001

		Alarm Le	vel Settings		
Sensor Type	Measuring Range	Alarm 1	Alarm 2	Test Gas	Result
CH4	0 to 100%LEL	20	40	57%LEL	Passed
CO (Dual Toxic)	0 to 500ppm	30	100	100ppm	Passed
H2S (Dual Toxic)	0 to 100ppm	5	10	25ppm	Passed
02	0 to 25%vol	19.5	23.5	18.0%vol	Passed
CO2	0 to 5%vol	0.5	1.5	2%vol	Passed

#### Next Calibration Date: 7th June 2023

4

#### **Remarks**:

- 1. The above equipment has been calibrated in accordance with the methods and procedures set out in Crowcon's LRQA validated ISO9001 quality manual.
- The test equipment used has been calibrated and is traceable to national standards. Standard Calibration gas mixtures have been prepared in accordance with BS EN ISO 6145-1-2008. This Gas Detector must be used in accordance to the instruction manual.

Authorized Signature

Technical Department Date: 8<sup>th</sup> June 2022



FireMark Hong Kong Limited Flat A, 11/F., Hop Hing Industrial Building, 704 Castle Peak Road, Lai Chi Kok, Kowloon, Hong Kong. Tel : (852) 2751 8871 Fax : (852) 2751 8806

# Appendix H

## **Database of Monitoring Results**

 $Z: \label{eq:loss} \end{tabular} X = \end{tabular} \end{tabular} X = \end{tabular} \end{tabular} \end{tabular} \end{tabular} X = \end{tabular} \end{tabula$ 

#### Air Quality – 24 Hour TSP

24-hour TSP	<sup>•</sup> Monitoring	Data for A	M2a												
DATE	SAMPLE NUMBER		APSED TIN	ME		CHAR EADIN	IG	AVG TEMP	AVG AIR PRESS	STANDARD FLOW RATE	AIR VOLUME	FILTER V (g	)	DUST WEIGHT COLLECTED	24-hr TSP (µg/m <sup>3</sup> )
	NUMBER	INITIAL		(min)	MIN	MAX	AVG	(°C)	(hPa)	(m³/min)	(std m <sup>3</sup> )	INITIAL	FINAL	(g)	(µg/m)
2-Sep-22	28623	26269.79	26293.79	1440.00	40	40	40.0	29.5	1005.9	1.19	1720	2.7308	2.8713	0.1405	82
8-Sep-22	28686	26293.02	26317.02	1440.00	40	40	40.0	29.5	1014.2	1.20	1728	2.7090	2.8625	0.1535	89
14-Sep-22	28684	26317.02	26341.02	1440.00	44	44	44.0	31.7	1007	1.32	1895	2.7195	2.9452	0.2257	119
20-Sep-22	28718	26341.02	26365.02	1440.00	44	44	44.0	28.9	1008.2	1.32	1905	2.7092	2.9084	0.1992	105
26-Sep-22	28395	26365.02	26389.02	1440.00	40	41	40.5	29.4	1009.1	1.21	1746	2.7925	2.9645	0.1720	99
30-Sep-22	28742	26389.02	26413.02	1440.00	41	41	41.0	26.4	1012.3	1.24	1781	2.7257	2.9541	0.2284	128
24-hour TSP	<sup>•</sup> Monitoring	Data for A	AM5												
DATE	SAMPLE NUMBER		APSED TIN	ME		CHART READING		AVG TEMP	AVG AIR PRESS	STANDARD FLOW RATE	AIR VOLUME	FILTER V (g		DUST WEIGHT COLLECTED	24-hr TSP
	NUMBER	INITIAL	FINAL	(min)	MIN	MAX	AVG	(°C)	(hPa)	(m <sup>3</sup> /min)	(std m <sup>3</sup> )	INITIAL	FINAL	(g)	$(\mu g/m^3)$
2-Sep-22	28629	19912.90	19936.90	1440.00	42	42	42.0	29.5	1005.9	1.09	1564	2.7353	2.8935	0.1582	101
8-Sep-22	28687	19936.90	19960.90	1440.00	44	44	44.0	29.5	1014.2	1.17	1686	2.7145	2.8950	0.1805	107
14-Sep-22	28694	19960.90	19984.90	1440.00	46	46	46.0	31.7	1007	1.24	1780	2.7195	2.9611	0.2416	136
20-Sep-22	28685	19984.90	20008.90	1440.00	44	44	44.0	28.9	1008.2	1.17	1682	2.7043	2.8748	0.1705	101
26-Sep-22	28719	20008.90	20032.90	1440.00	48	48	48.0	29.4	1009.1	1.32	1905	2.7040	2.9286	0.2246	118
30-Sep-22	28741	20032.90	20056.90	1440.00	47	48	47.5	26.4	1012.3	1.32	1895	2.7180	2.9177	0.1997	105

**AUES** 

#### **Construction Noise**

Daytime No	ise Mea	sureme	ent Resi	ılts (dB)	at CNN	AS1														
	Start	1st	Leq (5n	nin)	2nd	Leq (51	nin)	3rd	Leq (5r	min)	4th	Leq (5n	nin)	5th	Leq (51	min)	6th	Leq (5r	nin)	
Date	Time	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)		L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq30min, dB(A)									
5-Sep-22	10:40	65.2	66.7	63.3	64.2	65.6	62.5	68.2	70.1	66.1	68.1	70.5	65.8	68.0	69.7	66.1	67.4	68.6	65.8	67.1
15-Sep-22	10:31	67.6	71.1	61.6	64.3	65.6	58.1	63.4	64.6	58.6	66.0	68.1	61.1	66.4	68.1	61.1	64.0	66.6	58.1	65.5
21-Sep-22	10:24	68.6	70.5	66.5	68.5	70.9	66.2	68.5	70.2	66.6	67.9	69.1	66.3	65.6	67.1	63.7	64.6	66.0	62.9	67.5
27-Sep-22	13:41	72.0	74.5	62.0	72.5	75.5	62.0	71.5	75.0	61.5	70.0	73.5	61.5	72.1	75.5	61.0	72.6	75.5	61.0	71.9
Daytime No	ise Mea	isureme	ent Resi	lts (dB)	at CNN	<b>AS2</b>														
	Start	1st	Leq (5n	nin)	2nd	Leq (51	nin)	3rd	Leq (5r	min)	4th	Leq (5n	nin)	5th	Leq (51	min)	6th	Leq (5r	nin)	
Date	Time	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq30min, dB(A)															
5-Sep-22	11:23	62.9	64.3	61.3	62.6	64.2	60.8	62.2	63.5	60.9	62.2	64.2	60.4	61.7	62.9	60.4	61.3	63.1	59.5	62.2
15-Sep-22	11:13	62.1	63.6	60.1	61.0	62.1	59.6	62.2	63.6	60.1	61.2	62.6	59.1	61.2	62.6	59.6	61.1	62.6	59.6	61.5
21-Sep-22	11:02	61.1	62.6	59.1	60.0	61.1	58.6	61.2	62.6	59.1	60.2	61.6	58.1	60.2	61.6	58.6	60.1	61.6	58.6	60.5
27-Sep-22	13:05	60.2	62.5	57.0	59.3	62.0	56.5	58.7	61.0	56.5	61.0	62.5	58.5	61.7	65.0	58.0	60.3	64.5	57.5	60.3
Daytime No	ise Mea	sureme	ent Resu	lts (dB)	at CNN	485														
	<u> </u>	1st	Leq (5n	nin)	2nd	Leq (5)	nin)	3rd	Leq (5r	min)	4th	Leq (5n	nin)	5th	Leq (51	min)	6th	Leq (5r	nin)	
Date	Start Time	Leq, dB(A)		L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq30min, dB(A)												
5-Sep-22	9:28	63.2	64.7	61.3	62.2	63.6	60.5	66.2	68.1	64.1	64.1	68.5	63.8	66	67.7	64.1	65.4	66.6	63.8	64.8
15-Sep-22	9:16	61	64.6	61.6	65.1	66.6	61.6	62.9	65.1	61.1	64.2	66.6	62.6	64.7	66.6	61.6	61.8	64.6	59.6	63.5
21-Sep-22	9:32	64.4	66.1	62.6	64.9	66.6	63.1	61.7	62.1	60.6	64.1	66.6	61.6	63.4	64.1	62.1	65.9	68.6	62.1	64.3
27-Sep-22	14:37	63.0	65.5	60.5	62.3	63.0	61.0	64.8	67.5	61.0	63.3	65.0	61.5	63.8	65.5	62.0	60.6	61.0	59.5	63.2

					Landfill Ga	s Monitorin	g Results (	Wan O Road)					
Monitoring						thane (%)		0	xygen (%)			on Dioxide (%	
Location	Date	Time	Weather	Temperature (°C)	Measurement Result	Action Level	Limit Level	Measurement Result	Action Level	Limit Level	Measurement Result	Action Level	Limit Level
	1/9/2022	8:30	Rainy	27	0	10	20	20.3	19	18	0		1.5
	1/9/2022	14:00	ruiny	33	0	10	20	20.7	19	18	0	0.5	1.5
	2/9/2022	8:30	Sunny	27	0	10	20	20.3	19	18	0	0.5	1.5
	2/9/2022	14:00	Sumy	32	0	10	20	20.7	19	18	0		1.5
	3/9/2022	8:30	Sunny	27	0	10	20	20.7	19	18	0		1.5
	3/9/2022	14:00	Sumy	34	0	10	20	20.3	19	18	0		1.5
	5/9/2022	8:30	Sunny	29	0	10	20	20.6	19	18	0		1.5
	5/9/2022	14:00		35	0	10	20	20.7	19	18	0		1.5
	6/9/2022	8:30	Sunny	28	0	10	20	20.6	19	18	0	0.5	1.5
	6/9/2022	14:00	Sumy	35	0	10	20	20.7	19	18	0		1.5
	7/9/2022	8:30	Rainy	27	0	10	20	20.6	19	18	0	0.5	1.5
	7/9/2022	14:00	Runny	30	0	10	20	20.7	19	18	0		1.5
	8/9/2022	8:30	Rainy	28	0	10	20	20.7	19	18	0		1.5
	8/9/2022	14:00	rainy	33	0	10	20	20.7	19	18	0		1.5
	9/9/2022	8:30	Sunny	28	0	10	20	20.7	19	18	0		1.5
	9/9/2022	14:00	Sumry	33	0	10	20	20.7	19	18	0	0.5	1.5
	10/9/2022	8:30	Sunny	28	0	10	20	20.7	19	18	0	0.5	1.5
	10/9/2022	14:00	Sumry	31	0	10	20	20.7	19	18	0	0.5	1.5
	13/9/2022	8:30	Sunny	29	0	10	20	20.7	19	18	0	0.5	1.5
	13/9/2022	14:00	Sumry	36	0	10	20	20.7	19	18	0	0.5	1.5
	14/9/2022	8:30	Sunny	30	0	10	20	20.7	19	18	0	0.5	1.5
	14/9/2022	14:00	Sunny	36	0	10	20	20.7	19	18	0	0.5	1.5
	15/9/2022	8:30	C	29	0	10	20	20.7	19	18	0	0.5	1.5
Ī	15/9/2022	14:00	Sunny	35	0	10	20	20.7	19	18	0	0.5	1.5
W 0 D 1	16/9/2022	8:30	Sunny	29	0	10	20	20.7	19	18	0	0.5	1.5
Wan O Road	16/9/2022	14:00	Sunny	34	0	10	20	20.7	19	18	0	0.5	1.5
Ī	17/9/2022	8:30	C	29	0	10	20	20.7	19	18	0	0.5	1.5
Ī	17/9/2022	14:00	Sunny	34	0	10	20	20.7	19	18	0	0.5	1.5
Í	19/9/2022	8:30	Datas	26	0	10	20	20.7	19	18	0	0.5	1.5
	19/9/2022	14:00	Rainy	32	0	10	20	20.6	19	18	0	0.5	1.5
Ī	20/9/2022	8:30	Datas	26	0	10	20	20.7	19	18	0	0.5	1.5
Í	20/9/2022	14:00	Rainy	31	0	10	20	20.7	19	18	0	0.5	1.5
ľ	21/9/2022	8:30	р.:	26	0	10	20	20.7	19	18	0		1.5
Í	21/9/2022	14:00	Rainy	30	0	10	20	20.7	19	18	0	0.5	1.5
Ī	22/9/2022	8:30	C	27	0	10	20	20.7	19	18	0	0.5	1.5
1	22/9/2022	14:00	Sunny	31	0	10	20	20.7	19	18	0		1.5
ľ	23/9/2022	8:30	Datas	26	0	10	20	20.7	19	18	0		1.5
1	23/9/2022	14:00	Rainy	32	0	10	20	20.7	19	18	0		1.5
1	24/9/2022	8:30	C	26	0	10	20	20.7	19	18	0		1.5
ľ	24/9/2022	14:00	Sunny	31	0	10	20	20.7	19	18	0		1.5
ľ	26/9/2022	8:00	C	27	0	10	20	20.7	19	18	0		1.5
1	26/9/2022	14:00	Sunny	34	0	10	20	20.7	19	18	0	0.5	1.5
1	27/9/2022	8:30	C	28	0	10	20	20.7	19	18	0		1.5
ľ	27/9/2022	14:00	Sunny	32	0	10	20	20.7	19	18	0		1.5
	28/9/2022	8:30	0	26	0	10	20	20.7	19	18	0		1.5
ľ	28/9/2022	14:00	Sunny	29	0	10	20	20.7	19	18	0		1.5
	29/9/2022	8:00	0	29	0	10	20	20.7	19	18	0		1.5
ľ	29/9/2022	14:00	Sunny	30	0	10	20	20.7	19	18	0		1.5
ł	30/9/2022	8:30		29	0	10	20	20.7	19	18	0	015	1.5
	30/9/2022	14:00	Sunny	31	0	10	20	20.7	19	18	0		1.5

Remark:	Parameter	Criteria	Measurement
	Ovuran	Action Level	< 19%
	Oxygen	Limit Level	< 18%
	Methane	Action Level	> 10% LEL (> 0.5% v/v)
	Wethane	Limit Level	> 20% LEL (>1% v/v)
	Carbon	Action Level	> 0.5%
	Dioxide	Limit Level	> 1.5%



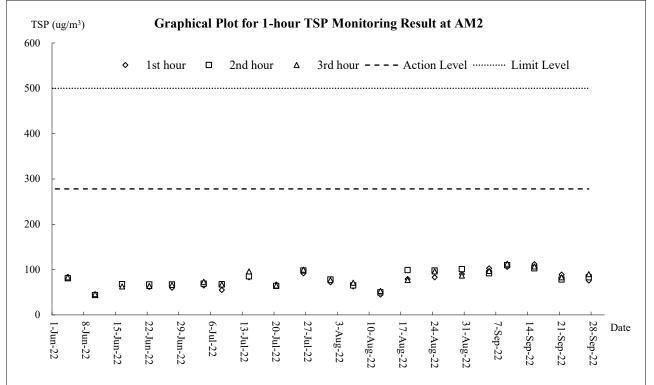
Appendix I

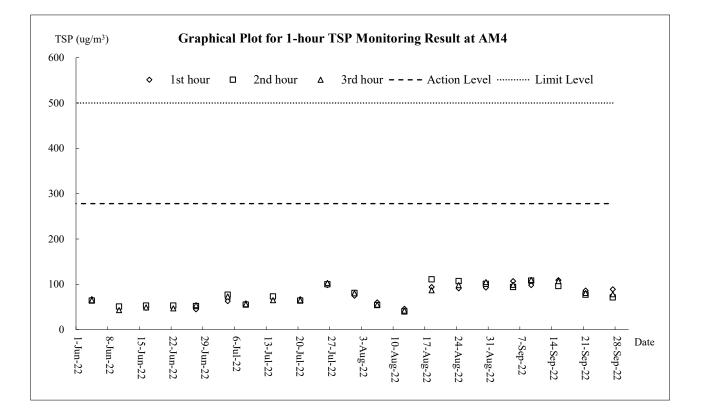
**Graphical Plots of Monitoring Results** 

#### CEDD Contract Agreement No. EDO/04/2018 -Environmental Team for Cross Bay Link, Tseung Kwan O Monthly Environmental Monitoring & Audit Report – September 2022



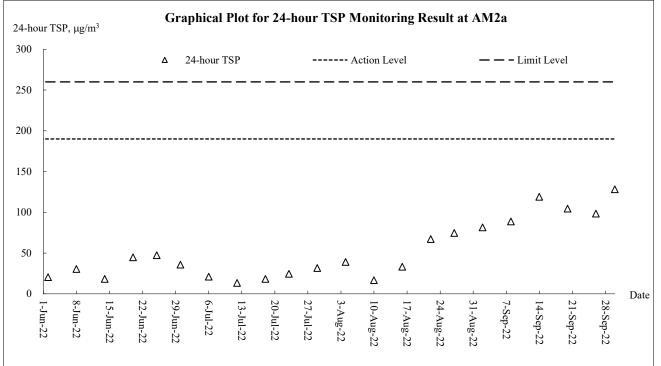
#### Air Quality - 1 Hour TSP

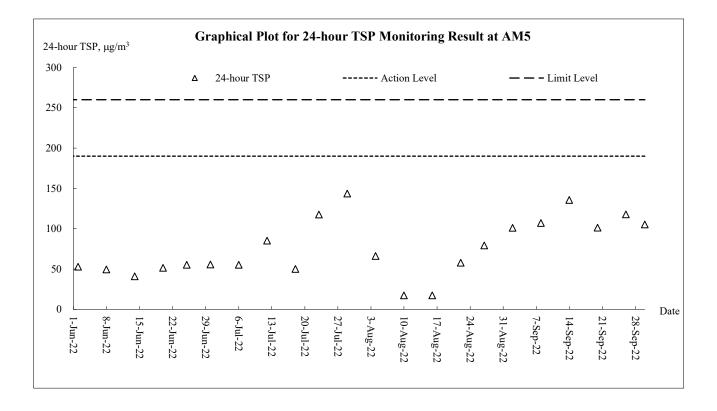






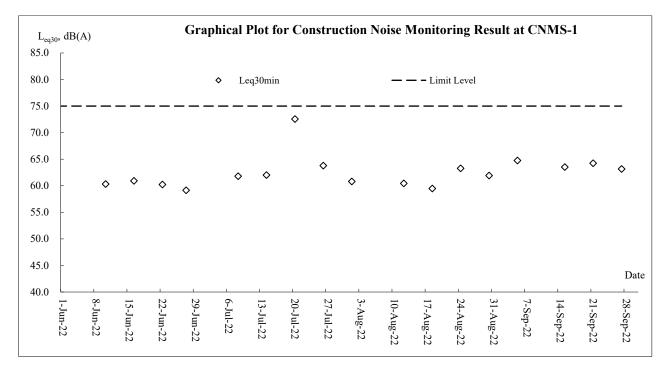
#### Air Quality - 24-Hour TSP

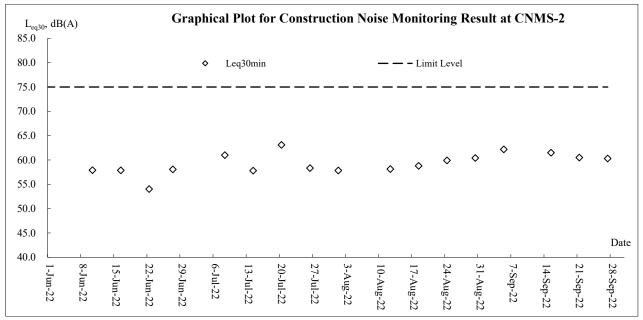


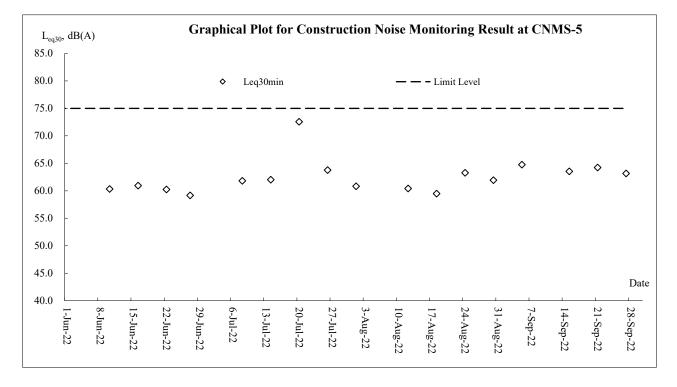




## **Construction Noise**







AUES



Appendix J

**Meteorological Data** 

### CEDD Contract Agreement No. EDO/04/2018 -Environmental Team for Cross Bay Link, Tseung Kwan O Monthly Environmental Monitoring & Audit Report – September 2022



				Ts	seung Kv	wan O Station	l
Date		Weather	Total Rainfall (mm)	Mean Air Temp. (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction (degree)
1-Sep-22	Thu	Very hot with sunny periods, a few showers and thunderstorms	2.8	30.0	9.8	77.2	NE
2-Sep-22	Fri	Very hot and dry during the day.	0	28.9	8	72.2	N
3-Sep-22	Sat	Mainly fine.	0	29.3	8	69.0	N/NW
4-Sep-22	Sun	Moderate northerly winds, fresh offshore at first.	0	29.9	7.5	62.5	N/NW
5-Sep-22	Mon	Fine and dry. Very hot during the day.	0	30.2	8.7	61.2	E/NE
6-Sep-22	Tue	Moderate northwesterly winds.	0	29.6	7	61.5	E/NE
7-Sep-22	Wed	Fine, dry and very hot in the afternoon.	8.6	27.7	10	87.5	E/NE
8-Sep-22	Thu	Light winds, becoming moderate easterlies.	Trace	29.7	8.7	72.5	E/NE
9-Sep-22	Fri	Sunny intervals and a few showers.	0	28.2	10.2	69.7	E/NE
10-Sep-22	Sat	Moderate to fresh easterly winds	Trace	28.4	9.7	75.0	E/NE
11-Sep-22	Sun	occasionally strong offshore later.	0	29.8	8.1	72.5	E/NE
12-Sep-22	Mon	Dry with sunny periods in the afternoon.	0	30.8	7.0	61.0	W/NW
13-Sep-22	Tue	Mainly cloudy tonight. Moderate to fresh easterly winds	0	31.1	7.0	55.5	W/NW
14-Sep-22	Wed	occasionally strong offshore at first.	0	Maintenance	6.2	Maintenance	N/NE
15-Sep-22	Thu	Mainly fine.	0	Maintenance	7.5	Maintenance	N/NE
16-Sep-22	Fri	Moderate easterly winds, fresh offshore at first.	Trace	29.9	10.5	69.5	N/NE
17-Sep-22	Sat	Moderate easterly winds, fresh offshore at first.	Trace	29.5	8.2	71.0	SW
18-Sep-22	Sun	Moderate to fresh easterly winds	20.3	30.7	7.5	75.0	E/NE
19-Sep-22	Mon	Moderate to fresh easterlies tonight.	3.3	29.3	9	77.7	SW
20-Sep-22	Tue	Light winds.	3.5	27.5	7.5	84.5	N/NE
21-Sep-22	Wed	Sunny intervals and a few showers.	8.5	28.0	8.2	75.0	E/NE
22-Sep-22	Thu	Mainly cloudy with one or two showers tonight.	0	27.6	7.5	78.0	SE
23-Sep-22	Fri	Hot with sunny periods in the afternoon.	13.4	28.0	6.2	80.0	E/NE
24-Sep-22	Sat	Mainly fine. Hot and dry.	0	27.5	6	75.0	E/NE
25-Sep-22	Sun	Moderate to fresh east to northeasterly winds	0	28.7	6.7	71.2	E/NE
26-Sep-22	Mon	Mainly cloudy with one or two showers.	0	29.1	6.7	72.2	E/NE
27-Sep-22	Tue	Sunny periods in the afternoon.	Trace	29.4	11.5	72.5	E/NE
28-Sep-22	Wed	Mainly cloudy. Sunny intervals during the day.	0	29.0	12.5	74.7	E/NE
29-Sep-22	Thu	Mainly cloudy with showers and a few squally thunderstorms.	8.1	26	E/SE	87.5	E/NE
30-Sep-22	Fri	Mainly cloudy with a few showers.	102.7	26	8	93.2	E/SE



Appendix K

Waste Flow Table



**Contract 1** 

Z:\Jobs\2018\TCS00975 (EDO-04-2018)\600\EM&A Report Submission\Monthly EM&A Report\2022\September 2022\R0684v1.docx

## Monthly Summary Waste Flow Table for <u>2022</u> (year)

Name of Person completing the record: Sedo Sze (EO)

Project : Cross Bay Link, TKO, Main Bridge and Associated Works

		Actual Quantit	ies of Inert C&	D Materials Ger	nerated Monthly		Ac	tual Quantities	of C&D Waste	s Generated Mo	nthly
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	$(in '000m^3)$	$(in '000m^3)$	$(in '000m^3)$	$(in '000m^3)$	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	$(in '000 m^3)$
Jan	0.162	0.000	0.000	0.000	0.162	0.000	0.000	0.171	0.000	0.000	0.768
Feb	0.066	0.000	0.000	0.000	0.066	0.000	0.000	0.210	0.000	0.000	0.513
Mar	0.306	0.000	0.000	0.000	0.306	0.000	0.000	0.163	0.000	0.000	0.750
Apr	0.126	0.000	0.000	0.000	0.126	0.000	0.000	0.182	0.000	0.000	0.552
May	0.054	0.000	0.000	0.000	0.054	0.000	0.000	0.194	0.000	0.000	0.600
Jun	0.306	0.000	0.000	0.000	0.306	0.000	0.000	0.158	0.000	0.000	0.439
Sub-total	1.020	0.000	0.000	0.000	1.020	0.000	0.000	1.078	0.000	0.000	3.623
Jul	0.102	0.000	0.000	0.000	0.102	0.000	0.000	0.204	0.000	0.000	0.422
Aug	0.246	0.000	0.000	0.000	0.246	0.000	0.000	0.168	0.000	0.000	0.784
Sep	0.096	0.000	0.000	0.000	0.096	0.000	0.000	0.195	0.000	0.000	1.450
Oct	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Nov	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dec	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total	1.464	0.000	0.000	0.000	1.464	0.000	0.000	1.645	0.000	0.000	6.279

Contract No.: NE/2017/07

Note:

1. For non-inert portion of C&D material, assume the density of 1 m<sup>3</sup> general refuse is equal to 200 kg.

2. For inert portion of C&D material, assume 6 m<sup>3</sup> per each full-filled dump truck.

3. All values are round off to the third decimal places.



**Contract 2** 

Z:\Jobs\2018\TCS00975 (EDO-04-2018)\600\EM&A Report Submission\Monthly EM&A Report\2022\September 2022\R0684v1.docx

		Actual Qua	ntities of Inert C&I	) Materials Generat	ed Monthly			Actual Quantities	s of C&D Wastes Ge	enerated Monthly	
Month	Total Quantity Generated	Hard Rock and Large Borken Concrete	Reused in the Contract	Reused in other Projects	Disposal as Public Fill	Imported Fill	Metals	Paper / Cardboard Packaging	Plastics (See note 3)	Chemical Waste	Other, e.g. general refuse
	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000m <sup>3</sup> ]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000kg]	[in '000m <sup>3</sup> ]
Jan	2.835	0.000	0.000	0.000	2.835	0.530	0.000	0.000	0.000	0.000	0.160
Feb	0.199	0.000	0.000	0.000	0.199	1.049	0.000	0.000	0.000	0.000	0.048
Mar	0.298	0.000	0.000	0.000	0.298	0.780	0.000	0.000	0.000	0.000	0.072
Apr	0.348	0.000	0.000	0.000	0.348	0.567	0.000	0.000	0.000	0.000	0.067
May	0.251	0.000	0.000	0.000	0.251	0.422	0.000	0.000	0.000	0.000	0.110
June	1.642	0.000	0.000	0.000	1.642	0.468	0.000	0.000	0.000	0.000	0.052
SUB-TOTAL	5.573	0.000	0.000	0.000	5.573	3.816	0.000	0.000	0.000	0.000	0.509
Jul	0.965	0.000	0.000	0.000	0.965	1.590	0.000	0.000	0.000	0.000	0.070
Aug	0.692	0.000	0.000	0.000	0.692	0.453	0.000	0.000	0.000	0.000	0.070
Sep	0.649	0.000	0.000	0.000	0.649	0.358	0.000	0.000	0.000	0.000	0.143
Oct											
Nov											
Dec											
TOTAL	7.879	0.000	0.000	0.000	7.879	6.217	0.000	0.000	0.000	0.000	0.792

#### Monthly Summary Waste Flow Table for 2022 Year

Note: Conversion to 1000m<sup>3</sup> for general refuse is weight in 1000kg multiply by 0.002

Conversion to 1000m<sup>3</sup> for Inert C&D is weight in 1000kg multiply by 0.0005

Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging material

Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging material

Assume the loaded volume of a dump truck for internal inert waste transfer is 17.9 m<sup>3</sup>



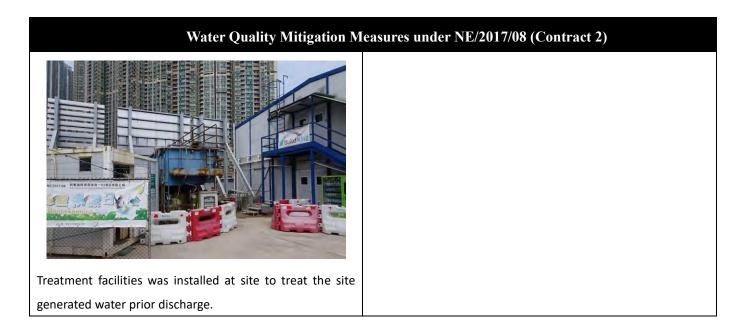
Appendix L

# Implementation Record of Water Mitigation Measures in the Reporting Month

## Water Quality Mitigation Measures under NE/2017/07 (Contract 1)



Treatment facilities was installed at site to treat the site generated water prior discharge.





Appendix M

**Implementation Schedule for Environmental Mitigation Measures** 

		Objectives of the		Impler	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
Dust Impa	ct (Contraction Phase)					
\$5.5.5.1	Regular watering under good site practice shall be adopted. In accordance with the "Control of Open Fugitive Dust Sources" (USEPA AP-42), watering once per hour on exposed worksites and haul road is recommended to achieve dust removal efficiency of 91.7%.	Good construction site practices to control the dust impact on the nearby sensitive receivers to within the relevant criteria	All construction sites	Contractor	Construction stage	<ul> <li>APCO (Cap. 311); and</li> <li>Air Pollution Control (Construction Dust) Regulation</li> </ul>
\$5.5.5.3	<ul> <li>The following dust suppression measures shall also be incorporated by the Contractor to control the dust nuisance throughout the construction phase:</li> <li>Any excavated or stockpiled dusty material shall be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading;</li> <li>Any dusty materials remaining after a stockpile is removed shall be wetted with water and cleared from the surface of roads;</li> <li>A stockpile of dusty material shall not extend beyond the pedestrian barriers, fencing or traffic cones;</li> <li>The load of dusty materials on a vehicle leaving a construction site shall be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle;</li> <li>Where practicable, vehicle washing facilities with high pressure water jet shall be provided at every discernible or designated vehicle exit point. The area where vehicle washing facilities and the exit point shall be provided as far as practicable along the site boundary with provision for public crossing. Good site practice shall also be adopted by the Contractor to ensure the conditions of the hoardings are properly maintained throughout the construction site that is within 30m of a vehicle entrance or exit shall be kept clear</li> </ul>	Good construction site practices to control the dust impact on the nearby sensitive receivers to within the relevant criteria	All construction sites	Contractor	Construction stage	<ul> <li>APCO (Cap. 311); and</li> <li>Air Pollution Control (Construction Dust) Regulation</li> </ul>

		Objectives of the		Impler	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
	<ul> <li>of dusty materials;</li> <li>Surfaces where any pneumatic or power driven drilling, cutting, polishing or other mechanical breaking operation takes place shall be sprayed with water or a dust suppression chemical continuously;</li> <li>Any area that involves demolition activities shall be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet;</li> <li>Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting shall 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;</li> <li>Any skip hoist for material transport shall be totally enclosed by impervious sheeting;</li> <li>Exposed earth shall be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shortcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies.</li> </ul>					
S5.5.5.4	<ul> <li>For the barging facilities at the site compound, the following good site practice is required:</li> <li>All road surfaces within the barging facilities shall be paved.</li> <li>Vehicles should pass through designated wheel wash facilities.</li> <li>Continuous water spray shall be installed at the loading point.</li> </ul>	Good construction site practices to control the dust impact on the nearby sensitive receivers to within the relevant criteria	Site compound	Contractor	Construction stage	<ul> <li>APCO (Cap. 311); and</li> <li>Air Pollution Control (Construction Dust) Regulation</li> </ul>
S5.5.5.5	An audit and monitoring programme during the construction phase should be implemented by the Contractor to ensure that the construction dust impacts are controlled to within the HKAQO. Detailed requirements for the audit and monitoring programmes are given separately in the EM&A manual.	Monitor the 1-Hour and 24-Hr TSP levels at the representative dust monitoring stations to ensure compliance with relevant criteria throughout the construction period	Selected representative dust monitoring station (Drawing no. 209506/EMA/ AIR/001)	Contractor	Construction stage	<ul> <li>APCO (Cap. 311); and</li> <li>Air Pollution Control (Construction Dust) Regulation</li> </ul>

		Objectives of the		Impler	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
\$6.6.4.3	<ul> <li>Good site practice and noise management techniques:</li> <li>Only well-maintained plant shall be operated on-site and the plant shall be serviced regularly during the construction programme;</li> <li>Machines and plant (such as trucks, cranes) that are in intermittent use shall be shut down between work periods or throttled down to a minimum;</li> <li>Plant known to emit noise strongly in one direction, where possible, shall be orientated so that the noise is directed away from nearby NSRs;</li> <li>Silencers or mufflers on construction equipment shall be properly fitted and maintained during the construction works;</li> <li>Mobile plant shall be sited as far away from NSRs as possible and practicable; and</li> <li>Material stockpiles, site office and other structures shall be effectively utilised, where practicable, to screen noise from on-site construction activities.</li> </ul>	To minimize construction noise impact arising from the Project on the affected NSRs	All construction sites	Contractor	Construction stage	• Annex 5, TM-EIAO
S6.6.4.5-6	Use of quiet powered mechanical equipment and working methods	Reduce noise levels of plant items	All construction sites	Contractor	Construction stage	• Annex 5, TM-EIAO
S6.6.4.7	Install site hoarding at the site boundaries between noisy construction activities and NSRs	Reduce the construction noise levels at low-level zone of NSRs through partial screening	All construction sites	Contractor	Construction stage	• Annex 5, TM-EIAO
S6.6.4.8-11	Use of temporary or movable noise barriers and full enclosure for relatively fixed plant source	Screen the noisy plant items to be used at all construction sites	For plant items listed in Table 6.7 and Appendix 6.1 of the EIA report at all construction sites	Contractor	Construction stage	• Annex 5, TM-EIAO
	Implement a noise monitoring programme under the EM&A manual	Monitor the construction noise levels at the selected representative locations	Selected representative noise monitoring stations ( <b>Drawing no.</b> 209506/EMA/NS/001 & 209506/EMA/NS/002)	Contractor	Construction stage	• Annex 5, TM-EIAO
\$6.7.3.1	Partial enclosures along Road D9 and application of low noise surfacing material along CBL and Road D9	To minimize road traffic noise impact arising from the CBL and Road D9 on the affected NSRs	CBL and Road D9 (Drawing no. 209506/EMA/NS/003)	CEDD/ Contractor	During operational stage	• Annex 5, TM-EIAO

		Objectives of the		Impler	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
	ality Impact (Contraction Phase)					
\$8.6.4.3	<ul> <li>Marine Piling and Pile Excavation Works Marine piling and pile excavation works shall be undertaken in such a manner as to minimize re-suspension of sediments. Standard good practice measures shall be implemented, including the following requirements:</li> <li>All marine piling and pile excavation works shall be conducted within a floating single silt curtain.</li> <li>Mechanical closed grabs (with a size of5m3) shall be designed and maintained to avoid spillage and should seal tightly while being lifted.</li> <li>Barges shall have tight fitting seals to their bottom openings to prevent leakage of material.</li> <li>Any pipe leakages shall be repaired quickly. Plant should not be operated with leaking pipes.</li> <li>Loading of barges shall be controlled to prevent splashing of dredged material to the surrounding water. Barges shall not be filled to a level which will cause overflow of materials or pollution of water during loading or transportation.</li> <li>Excess material shall be cleaned from the decks and exposed fittings of barges before the vessel is moved.</li> <li>Adequate freeboard shall be maintained on barges to reduce the likelihood of decks being washed by wave action.</li> <li>All vessels shall be sized such that adequate clearance is maintained between vessels and the sea bed at all states of the tide to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash.</li> <li>The works shall not cause foam, oil, grease, litter or other objectionable matter to be present in the water within and adjacent to the works site.</li> </ul>	To control potential impacts from marine piling and pile excavation works	During marine piling and pile excavation works	Contractor	Construction stage	<ul> <li>TM-EIAO; and</li> <li>WPCO</li> </ul>
S8.6.4.4	<ul> <li>Construction Site Runoff</li> <li>In accordance with the Practice Note for Professional Persons on Construction Site Drainage, Environmental Protection Department, 1994 (ProPECC PN 1/94), construction phase mitigation measures, where appropriate, shall include the following:</li> <li>The design of efficient silt removal facilities shall be based on the guidelines in Appendix A1 of ProPECC PN 1/94. The</li> </ul>	Control potential water quality impacts from construction site run-off	All construction sites	Contractor	Construction stage	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>

		<b>Objectives of the</b>		Implen	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
	<ul> <li>detailed design of the sand/silt traps shall be undertaken by the contractor prior to the commencement of construction;</li> <li>Open stockpiles of construction materials (for example, aggregates, sand and fill material) of more than 50m3 shall be covered with tarpaulin or similar fabric during rainstorms. Measures shall be taken to prevent the washing away of construction materials, soil, silt or debris into any marine water bodies;</li> <li>All vehicles and plant shall 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 sited wheel washing facilities shall be provided at every construction site exit where practicable. Wash-water shall 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 shall be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains;</li> <li>Construction solid waste, debris and rubbish on site shall be collected, handled and disposed of properly to avoid water quality impacts;</li> <li>All fuel tanks and storage areas shall 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; and</li> <li>Regular environmental audit on the construction site shall be carried out in order to prevent any malpractices. Notices shall be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the meander, wetlands and fish ponds.</li> </ul>					
S8.6.4.6	<ul> <li>Sewage from workforce</li> <li>Portable chemical toilets and sewage holding tanks shall be provided for handling the construction sewage generated by the workforce;</li> <li>A licensed contractor shall be employed to provide</li> </ul>	Control potential water quality impacts from sewage	All construction sites	Contractor	Construction stage	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>

		<b>Objectives of the</b>		Implen	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
	appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.					
	Monitoring Implement a marine water quality monitoring programme under the EM&A on level of suspended solids (SS) / turbidity and dissolved oxygen (DO) shall be carried out.	Control potential water quality impacts from marine piling and pile excavation works	Selected monitoring stations (Drawing no. 209506/EMA/WQ/001)	Contractor	Construction station	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>
\$8.7.3.2	<b>Operational phase – Runoff from road surface</b> Proper drainage systems with silt traps and oil interceptors shall be installed, maintained and cleaned at regular intervals.	Control potential water quality impacts from road surface runoff	CBL and Road D9	Contractor	Construction and operational stage	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>
Waste Mar	nagement (Contraction Phase)					
\$9.5.2	<ul> <li><u>Good Site Practices</u></li> <li>Recommendations for good site practices:</li> <li>Nomination of an approved personnel to be responsible for the implementation of good site practices, arrangements for collection and effective deposal to an appropriate facility of all wastes generated at the site;</li> <li>Training of site personnel in proper waste management and chemical handling procedures;</li> <li>Provision of sufficient waste disposal points and regular collection for disposal;</li> <li>Separation of chemical wastes for special handling and appropriate treatment at the Chemical Waste Treatment Centre;</li> <li>Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors; and</li> <li>Implementation of a recording system for the amount of wastes generated/recycled and disposal sites.</li> </ul>	Good site practices which ensure waste generated during construction phase is properly managed	All construction sites	Contractor	Construction stage	<ul> <li>Waste Disposal Ordinance (Cap. 54);</li> <li>ETWB TCW No. 19/2005</li> </ul>

		Objectives of the		Impler	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
S9.5.4	<ul> <li>Waste Reduction Measures Recommendations for achieving waste reduction include: <ul> <li>On-site reuse of any material excavated as far as practicable;</li> <li>Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of material and their proper disposal; </li> <li>Collection of aluminum cans and waste paper by individual collectors during construction should be encouraged. Separately labelled recycling bins should also be provided to segregate these wastes from other general refuse by the workforce; <ul> <li>Recycling of any unused chemicals and those with remaining functional capacity as far as possible;</li> <li>Prevention of the potential damage or contamination to the construction materials though proper storage and good site practices;</li> <li>Planning and stocking of construction materials should be made carefully to minimize amount of waste generated avoid unnecessary generation of waste; and</li> <li>Training on the importance of appropriate waste management procedures, including waste reduction, reuse and recycling should be provided to workers.</li> </ul></li></ul></li></ul>	To reduce amount of waste generated during construction phase	All construction sites	Contractor	Construction stage	<ul> <li>Waste Disposal Ordinance (Cap. 54);</li> <li>ETWB TCW No. 19/2005</li> </ul>
S9.5.5-6	<ul> <li>Storage, Collection and Transportation of Waste Recommendations for proper storage include:</li> <li>Waste such as soil should be handled and stored well to ensure secure containment;</li> <li>Stockpiling area should be provided with covers and water spraying system to prevent materials from being washed away and to reduce wind-blown litter; and</li> <li>Different locations should be designated to stockpile each material to enhance reuse.</li> <li>With respect to the collection and transportation of waste from the construction works, the following is recommended:</li> <li>Remove waste in a timely manner;</li> <li>Employ trucks with cover or enclosed containers for waste transportations;</li> <li>Obtain relevant waste disposal permits from the appropriate</li> </ul>	To reduce the environmental implications of improper storage	All construction sites	Contractor	Construction stage	<ul> <li>Waste Disposal Ordinance (Cap. 54);</li> <li>ETWB TCW No. 19/2005</li> </ul>

		Objectives of the		Impler	nentation	Requirements	
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved	
	<ul> <li>authorities; and</li> <li>Disposal of waste should be done at licensed waste disposal facilities.</li> </ul>						
S9.5.8-11	<ul> <li>C&amp;D Materials The following mitigation measures shall be implemented in handling the waste: <ul> <li>Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement;</li> <li>Carry out on-site sorting;</li> <li>Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate;</li> <li>Implement a trip-ticket system for each works contract to ensure that the disposal of C&amp;D materials are properly documented and verified;</li> <li>Disposal of the C&amp;D materials onto any sensitive locations such as agricultural lands, etc. should be avoided. The Contractor shall propose the final disposal sites to the Project Proponent and get its approval before implementation;</li> <li>Standard formwork or pre-fabrication order to minimise the arising of C&amp;D materials. The use of more durable formwork or plastic facing for the construction works should be considered. 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; and </li> <li>The Contractor should recycle as much of the C&amp;D materials as possible on-site. Public fill and C&amp;D waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. Where practicable, concrete and masonry can be crushed and used as fill. Steel reinforcement bar can be used by scrap steel mills. Different areas of the sites</li></ul></li></ul>	Good site practice to minimize the waste generation and recycle the C&D materials as far as practicable so as to reduce the amount for final disposal	All construction sites	Contractor	Construction stage	<ul> <li>Waste Disposal Ordinance (Cap. 54);</li> <li>ETWB TCW No. 19/2005</li> <li>ETWB TCW No. 06/2010</li> </ul>	
\$9.5.13	<ul> <li>should be considered for such segregation and storage.</li> <li>Excavated Marine Sediments</li> <li>During transportation and disposal of the excavated marine sediments, the following measures shall be taken to minimize potential environmental impacts:</li> <li>Bottom opening of barges should be fitted with tight fitting</li> </ul>	To minimize potential impacts on water quality	All construction sites where applicable	Contractor	Construction stage	• ETWBTC (Works) No. 34/2002	

		Objectives of the		Impler	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
	<ul> <li>seals to prevent leakage of material. Excess material should be cleaned from the decks and exposed fittings of barges and hopper dredgers before the vessel is moved;</li> <li>Monitoring of the barge loading should be conducted to ensure that loss of material does not take place during transportation;</li> <li>Transport barges or vessels should be equipped with automatic self-monitoring devices as specified by the DEP; and</li> <li>Barges should not be filled to a level that would cause the overflow of materials or sediment-laden water during loading or transportation.</li> </ul>					
S9.5.14-17	For those processes which generate chemical waste, the Contractor shall identify any alternatives that generate reduced quantities or even no chemical waste, or less dangerous types of chemical waste.	To ensure proper management of chemical waste	All construction sites	Contractor	Construction stage	• Waste Disposal (Chemical Waste) (General) Regulation;
	If chemical waste is produced at the construction site, the Contractor is required to register with EPD as chemical waste producers. Chemical waste shall be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes as follows. Containers used for storage of chemical wastes shall:					Code of Practice on the Packaging, Labelling and Storage of Chemical Waste
	<ul> <li>Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed;</li> <li>Have a capacity of less than 450 L unless the specification</li> </ul>					
	<ul> <li>have been approved by EPD; and</li> <li>Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Regulations.</li> </ul>					
	<ul> <li>The storage area for chemical wastes shall:</li> <li>Be clearly labelled and used solely for the storage of chemical wastes;</li> <li>Be enclosed on at least 3 sides;</li> </ul>					
	• Have an impermeable floor and bunding of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in the area, whichever is greatest;					

		Objectives of the		Implen	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
	<ul> <li>Have adequate ventilation;</li> <li>Be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical waste, if necessary); and</li> <li>Be arranged so that incompatible materials are adequately separated.</li> <li>Disposal of chemical waste shall:</li> <li>Be via a licensed waste collector; and</li> <li>Be to a facility licensed to receive chemical waste, such as the CWTC which also offers a chemical waste collection service and can supply the necessary storage containers; or</li> <li>Be to a re-user of the waste, under approval from EPD.</li> </ul>					
\$9.5.18	<b>Sewage</b> An adequate number of portable toilets shall be provided for the on-site construction workers. Any waste shall be transferred to a sewage treatment works by a licensed collector.	Proper handling of sewage from worker to avoid odour, pest and litter impacts	All construction sites	Contractor	Construction stage	• Waste Disposal Ordinance (Cap. 54)
\$9.5.19	<b>General Refuse</b> General refuse generated on-site shall be stored in enclosed bins or compaction units separately from construction and chemical wastes. Recycling bins shall also be provided to encourage recycling. A reputable waste collector shall be employed by the Contractor to remove general refuse from the site on a daily basis separately from the construction and chemical wastes. Burning of refuse on construction sites is prohibited by law.	Minimize production of general refuse and avoid odour, pest and litter impacts	All construction sites	Contractor	Construction stage	• Waste Disposal Ordinance (Cap. 54)
\$10.7.2.4	Good Site Practices – The integrity and effectiveness of all silt curtains shall be regularly inspected. Effluent monitoring should be incorporated to make sure that the discharged effluent from construction sites meets the relevant effluent discharge guidelines.	To minimize potential impacts on water quality and protect marine communities within Junk Bay	All construction sites	Contractor	Construction stage	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>
\$10.7.2.5	Site runoff control – For works on land, standard site runoff control measures will be established and strictly enforced to ensure that discharge of contaminated or silt-laden runoff into marine waters is minimized.	To minimize potential impacts on water quality and protect marine communities within Junk Bay	All construction sites	Contractor	Construction stage	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>
S10.9.1.1	The marine water quality monitoring programme recommended in Chapter 8 of this EIA report and this EMIS would also serve to protect the marine communities inside Junk Bay.	To minimize potential impacts on water quality and protect marine	Selected monitoring stations ( <b>Drawing no.</b> 209506/EMA/WQ/001)	Contractor	Construction stage	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>

		Objectives of the		Implen	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
		communities within Junk Bay				
\$11.6.2.2	Good Site Practices: – The integrity and effectiveness of all silt curtains should be regularly inspected. Effluent monitoring shall be incorporated to make sure that the discharged effluent from construction sites meets the relevant effluent discharge guidelines.	To minimize potential impacts on water quality and protect fishery resources	All construction sites	Contractor	Construction stage	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>
\$11.6.2.3	Site runoff control - For works on land, standard site runoff control measures will be established and strictly enforced to ensure that discharge of contaminated or silt-laden runoff is minimized.	To minimize potential impacts on water quality and protect fishery resources	All construction sites	Contractor	Construction stage	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>
S11.8.1.1	The marine water quality monitoring programme recommended in Chapter 8 of this EIA report and this EMIS would also serve to protect the fishery resources.	To minimize potential impacts on water quality and protect fishery resources	Selected monitoring stations ( <b>Drawing no.</b> 209506/EMA/WQ/001)	Contractor	Construction stage	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>
Landscape	and Visual					
S13.8.1.2	<ul> <li>The following mitigation measures should be implemented in the construction stage</li> <li>CM1 – The construction area and contractor's temporary works areas should be minimized to avoid impacts on adjacent landscape.</li> <li>CM2 – Reduction of construction period to practical minimum.</li> <li>CM3 – Topsoil, where identified, should be stripped and stored for re-use in the construction of the soft landscape works, where the soil material meets acceptable criteria and where practical. The Contract Specification shall include storage and reuse of topsoil as appropriate.</li> <li>CM4 – Existing trees on boundary of the Project Area shall be carefully protected during construction. Detailed Tree Protection Specification shall be provided in the Contract Specification. Under this specification, the Contractor shall be required to submit, for approval, a detailed working method statement for the protection of trees prior to undertaking any works adjacent to all retained trees, including trees in contractor's works areas. (Tree protection stage).</li> </ul>	Minimize effects of landscape and visual impacts	Work site/during construction	Funded and implemented by CEDD		

		Objectives of the		Implen	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
	<ul> <li>CM5 – Trees unavoidably affected by the works shall be transplanted where practical. Trees should be transplanted straight to their final receptor site and not held in a temporary nursery. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, if applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme.</li> <li>CM6 – Advance screen planting to proposed roads and associated structures.</li> <li>CM7 – hydroseeding or sheeting of soil stockpiles with visually unobtrusive material (in earth tone).</li> <li>CM8 – Screening of construction works by hoardings/noise barriers around works area in visually unobtrusive colours, to screen Works.</li> <li>CM9 – Control night-time lighting and glare by hooding all lights.</li> <li>CM10 – Ensure no run-off into water body adjacent to the Project Area.</li> <li>CM11 – Avoidance of excessive height and bulk of buildings and structures</li> </ul>					
\$13.8.1.2	OM1 – Compensatory tree planting for all felled trees shall be provided to the satisfaction of relevant Government departments. 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.	Minimize effects of landscape and visual impacts		implemented by CEDD. Maintained	construction	
\$13.8.1.2	<ul> <li>The following mitigation measures should be implemented in the operational stage:</li> <li>OM2 – A continuous belt of screen planting along the roads. Planting of the belt of trees shall be carried out as advance works ahead of other site formation and building works.</li> <li>OM3 – Maximise soft landscape of the site, where space permits, roadside berms /slope treatment works should be created.</li> <li>OM4 – During detailed design, refine structure layout to create a planting strips along the roads to enhance greenery.</li> <li>OM5 – Use appropriate (visually unobtrusive and</li> </ul>	Minimize effects of landscape and visual impacts	-	by CEDD. Maintained	construction and operational	

	Main Concerns to Address		Impler	nentation	Requirements	
EIA Ref			Location/ Timing	Agent	Stage	and/or Standards to be Achieved
	<ul> <li>non-reflective) building materials and colours, and aesthetic design in built structures.</li> <li>OM6 – Streetscape elements (e.g. paving, signage, street furniture, lighting etc.) shall be sensitively designed in a manner that responds to the local context, and minimizes potential negative landscape and visual impacts. Lighting units should be directional and minimize unnecessary light spill.</li> <li>OM7 – Avoidance of excessive height and bulk of buildings and structures</li> </ul>					
Landfill G						z 1011
S14.7.5	<ul> <li>Precautionary measures The following guidance has been extracted from the EPD's Landfill Gas Hazard Assessment Guidance Note Guidance to ensure a robust and comprehensive set of measures to protect workers are provided.</li> <li>During all works, safety procedures shall be implemented to minimize the risks of fires and explosions, asphyxiation of workers (especially in confined space) and toxicity effects resulting from contact with contaminated soils and groundwater.</li> <li>Safety officers who are specifically trained with regard to LFG and leachate related hazards and the appropriate actions to take in adverse circumstances shall be present on all worksites throughout the works.</li> <li>All personnel who work on site and all visitors to the site shall be made aware of the possibility of ignition of gas in the vicinity of the works, the possible presence of contaminated water and the need to avoid physical contact with it.</li> <li>Those staff who work in, or have responsibility for "at risk" areas, including all excavation workers, supervisors and engineers working within the consultation zone, shall receive appropriate training on working in areas susceptible to LFG hazards.</li> <li>Enhanced personal hygiene practices including washing thoroughly after working and eating only in "clean" areas shall be adopted where contact may have been made with any groundwater which is thought to be contaminated with</li> </ul>	Health and safety of the workers	Construction sites within 250m Consultation Zone (Drawing no. 209506/EMA/LFG/001)	Contractor	Construction stage	• Landfill Gas Hazard Assessment Guidance Note (EPD/TR8/97)

	Environmental Protection Measures/ Mitigation Measures	Objectives of the Recommended Measures & Main Concerns to Address	Location/ Timing	Implementation		Requirements
EIA Ref				Agent	Stage	and/or Standards to be Achieved
	leachate.					
	• Ground level construction plant shall be fitted with vertical exhausts at least 0.6m above ground level and with spark arrestors.					
	• During piping assembly or ducting construction, all valves/seals shall be closed immediately after installation. As construction progresses, all valves/seals should be closed as installed to prevent the migration of gases through the pipeline/conduit. All piping /ducting shall be capped at the end of each working day.					
	• Mobile offices, equipment stores, mess rooms etc. shall be located on an area which has been proven to be gas free (by survey with portable gas detectors) and ongoing monitoring shall be carried out to ensure that these areas remain gas free. Alternatively, such buildings shall be raised clear of the ground. If buildings are raised clear of the ground, the minimum, clear separation distance (as measured from the highest point on the ground surface to the underside of the					
	lowest floor joist) shall be 500mm. However, in this case, it is highly recommended that all the site offices, equipment stores and mess rooms should be located outside the 250m Consultation Zone.					
	• Smoking and naked flames shall be prohibited within confined spaces. "No Smoking" and "No Naked Flame" notices in Chinese and English shall be posted prominently around the construction site. Safety notices shall be posted warning of the potential hazards.					
	• Welding, flame-cutting or other hot works may only be carried out in confined spaces when controlled by a "permit to work" procedure, properly authorized by the Safety Office. The permit to work procedure shall set down clearly the requirements for continuous monitoring of methane,					
	carbon dioxide and oxygen throughout the period during which the hot works are in progress. The procedure shall also require the presence of an appropriately qualified person who shall be responsible for reviewing the gas measurements					
	as they are made, and who shall have executive responsibility for suspending the work in the event of					

		Objectives of the		Impler	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
	<ul> <li>unacceptable or hazardous conditions. Only those workers who are appropriately trained and fully aware of the potentially hazardous conditions which may arise shall be permitted to carry out hot works in confined areas.</li> <li>During the construction works, adequate fire extinguishers and breathing apparatus sets shall be made available on site and appropriate training given in their use.</li> </ul>					
S14.7.6	<ul> <li>Landfill gas monitoring The following monitoring shall be undertaken when construction works are carried out in confined space within the 250m Consultation Zone: <ul> <li>The works area shall be monitored for methane, carbon dioxide and oxygen using appropriately calibrated portable gas detection equipment. The monitoring requirements and procedures specified in Paragraphs 8.23 to 8.28 of EPD's Guidance Note shall be followed. The monitoring frequency and areas to be monitored shall be set down prior to commencement of the works. Depending on the results of the measurements, actions required will vary. As a minimum these shall encompass the actions specified in Table 14.6 of the EIA report.</li> <li>When portable monitoring equipment is used, the frequency and areas to be monitored should be set down prior to commencement of the works either by the Safety Officer or by an appropriately qualified person.</li> <li>All measurements shall be made with the monitoring tube located not more than 10mm from the surface.</li> <li>A standard form, detailing the location, time of monitoring and equipment used together with the gas concentrations measured, shall be used when undertaking manual monitoring to ensure that all relevant data are recorded.</li> </ul> </li> </ul>	Health and safety of the workers	Confined space of construction sites within 250m Consultation Zone	Contractor	Construction stage	• Landfill Gas Hazard Assessment Guidance Note (EPD/TR8/97)
\$14790	the level specified in the Emergency Management in the following section, then evacuation shall be initiated.	Health and safety of the	Confined grace of	Contractor	Construction	- Lendfill C
S14.7.8-9	<b>Emergency management</b> In the event of the trigger levels specified in Table 14.6 of the EIA report being exceeded, a person, such as the Safety	Health and safety of the workers	Confined space of construction sites within 250m Consultation Zone	Contractor	Construction stage	Landfill Gas Hazard Assessment

		Objectives of the		Implen	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures & Main Concerns to Address	Location/ Timing	Agent	Stage	and/or Standards to be Achieved
	Officer, shall be nominated, with deputies, to be responsible for dealing with any emergency which may occur due to LFG.					Guidance Note (EPD/TR8/97)
	In an emergency situation the nominated person, or his deputies, shall have the necessary authority and shall ensure that the confined space is evacuated and the necessary works implemented for reducing the concentrations of gas.					
S14.7.16	<ul> <li>Protection measures - Operational phase</li> <li>An assumed presence of landfill gas shall be adopted at all times by maintenance workers;</li> <li>all maintenance workers inspecting any manhole shall be fully trained in the issue of LFG hazard;</li> <li>any manhole which is large enough to permit to access to personnel shall be subject to entry safety procedure;</li> <li>Code of Practice on Safety and Health at Work in Confined Spaces shall be followed to ensures compliance with the Factories and Industrial Undertakings (Confined Spaces) Regulations of the Factories and Industrial Undertakings Ordinance;</li> <li>a strictly regulated "work permit procedure" shall be implemented and the relevant safety procedures must be rigidly followed; and</li> <li>Adequate communication with maintenance staff shall be maintained with respect to LFG.</li> </ul>	Health and safety of the workers	Utility maintenance areas within 250m Consultation Zone/during operational period	Utility companies	Operational stage	<ul> <li>Landfill Gas Hazard Assessment Guidance Note (EPD/TR8/97); and</li> <li>Code of Practice on Safety and Health at Work in Confined Space</li> </ul>
S14.7.17	General recommended precautionary & protection measures – Operational phase LGF surveillance exercise shall be undertaken by the utility companies at the utility manholes/inspection chambers. The surveillance exercise shall be undertaken for the duration of the site occupancy, or until such time that EPD agree that surveillance is no longer required and this shall be based on all the available monitoring data for methane, carbon dioxide and oxygen.	Health and safety of the workers	Utility maintenance areas within 250m Consultation Zone/during operational period	Utility companies	Operational stage	<ul> <li>Landfill Gas Hazard Assessment Guidance Note (EPD/TR8/97); and</li> <li>Code of Practice on Safety and Health at Work in Confined Space</li> </ul>