

**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 – APRIL 2022

PREPARED FOR CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT (CEDD)

Date	<b>Reference No.</b>	Prepared By	Certified By
12 May 2022	TCS00975/18/600/R0624v2	Http	Am

Martin Li (Environmental Consultant)

Tam Tak Wing (Environmental Team Leader)

Version	Date	Remarks
1	11 May 2022	First Submission
2	12 May 2022	Amended As Per IEC's comment



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



Our ref: PL-202205022

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

16 May 2022

Dear Sir,

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

I refer to the email of the ET concerning the Monthly EM&A Report for April 2022 (Version 2) with Ref. No. TCS00975/18/600/R0624v2. 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 **41**<sup>st</sup> Monthly EM&A report presenting the monitoring results and inspection findings for the reporting period from *1* to *30 April 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:-
  - Precast segment fabrication, shell installation for Portion I.
  - Erection for bridge segment for Main Bridge at Portion I
  - E&M work and External Work at Portion V.
  - Touch up paining and painting of east and west side spans ring weld.
  - Welding of L3 parapet base plated on steel bridge.
  - Waterproofing works for division area, footpath area and cycle track area for steel bridge.
  - Construction of long stitching and planter wall at Portion II.
  - Concrete surrounding for ducting at Portion II.
- ES07 The major construction activities of Contract 2 (Contract No. NE/2017/08) undertaken in this Reporting Period are:-
  - UU Diversion
  - Road Work along Wan Po Road
  - Excavation and Demolition of existing wave wall at Portion I
  - Monitoring and Instrumentation works
  - RC construction for U-trough at Portion III, parapet at elevated deck
  - RC construction for lift shaft and stair case
  - TCSS Cross road ducts installation at Wan Po Road



- Modification of Type 1 Wave wall
- Drainage work at Portion I, III
- RC Construction of foundation at Wan O Road
- Deck construction at cycle track ramp
- Utilities installation along At Grade Road
- SENB installation at At-Grade Road, Portion III, U-trough

#### **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-4Summary Environmental Monitoring Activities Undertaken in the Reporting<br/>Period

Issues	Enviror	nmental Monitoring Parameters / Inspection	Sessions
Air Quality	1-Hour TSP		36
All Quality	24-Hr TSP		12
	Leq (30min	) Daytime	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
	Contract 1	Joint site audit with Project Consultant and IEC	1
	G	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, one noise compliant 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

Environmental	Monitoring	Action	Limit	F	Event & Action
Issues	Parameters	Level	Level	Investigation Results	<b>Corrective Actions</b>
Air Quality	1-Hour TSP	0	0		
	24-Hr TSP	0	0		
	Leq <sub>30min</sub> Daytime	1	0	Not Project Related	
Construction Noise	Leq <sub>5min</sub> Evening	0	0		
	Leq <sub>5min</sub> Night	0	0		
Water Quality	DO	0	0		
Water Quality (Marine Water)	Turbidity	0	0		
(marme water)	SS	0	0		

#### **ENVIRONMENTAL COMPLAINT**

**ES10** In the reporting period, one 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 Compl	Related with the	
Period	Contract	Frequency	Cumulative	<b>Complaint Nature</b>	Works Contract(s)
1 – 30 April	1	1	26	Noise	Not Project Related
2022	2	0	16	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 April	1	0	0	NA	NA
2022	2	0	0	NA	NA

Table ES-8         Summary Environmental Prosecutions Records in the Reporting Per
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Reporting	Contract	Environ	Related with the		
Period	Contract	Frequency	Cumulative	<b>Complaint Nature</b>	Works Contract(s)
1 – 30 April	1	0	0	NA	NA
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 EPD and AFCD within the Reporting Period.

#### **FUTURE KEY ISSUES**

- ES14 Due to wet season is approaching, 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.	INTRODUCTION	3
	1.1 PROJECT BACKGROUND	3
	1.2 REPORT STRUCTURE	3
2.	PROJECT ORGANIZATION AND CONSTRUCTION PROGRESS AND SUBMISSIO	DN 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	
5.	REQUIREMENTS	9
	3.1 GENERAL	9
	3.2 MONITORING PARAMETERS	9
	3.3 MONITORING LOCATIONS	9
	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.	AIR QUALITY MONITORING	18
	4.1 GENERAL	18
	4.2 RESULTS OF AIR QUALITY MONITORING IN THE REPORTING MONTH	18
5.	CONSTRUCTION NOISE MONITORING	19
0	5.1 GENERAL	19
	5.2 RESULTS OF NOISE MONITORING	19
6.	WATER QUALITY MONITORING	20
0.	6.1 GENERAL	20
_		
7.	WASTE MANAGEMENT	21
	<ul><li>7.1 GENERAL WASTE MANAGEMENT</li><li>7.2 RECORDS OF WASTE QUANTITIES</li></ul>	21 21
8.	SITE INSPECTION	22
	8.1 REQUIREMENTS	22
	8.2 FINDINGS / DEFICIENCIES DURING THE REPORTING MONTH	22
	8.3 IMPLEMENTATION STATUS OF SURFACE RUNOFF MITIGATION MEASURES	23
9.	LANDFILL GAS MONITORING	24
	9.1 GENERAL REQUIREMENT	24
	9.2 LIMIT LEVELS AND EVENT AND ACTION PLAN	24
	9.3 LANDFILL GAS MONITORING	24
10.	ENVIRONMENTAL COMPLAINT AND NON-COMPLIANCE	26
	10.1 ENVIRONMENTAL COMPLAINT, SUMMONS AND PROSECUTION	26
11.	IMPLEMENTATION STATUS OF MITIGATION MEASURES	27
	11.1 GENERAL REQUIREMENTS	27
	11.2 TENTATIVE CONSTRUCTION ACTIVITIES IN THE COMING MONTH	27
	11.3 IMPACT FORECAST	28
12	CONCLUSIONS AND RECOMMENDATIONS	29
	12.1 CONCLUSIONS	29
	12.2 RECOMMENDATIONS	29

# 

LIST OF TABI	
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
TABLE 4-2	1-Hour TSP Air Quality Impact Monitoring results for AM2 and 24-Hour TSP Air Quality 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

- PROJECT LAYOUT PLAN APPENDIX A
- APPENDIX B **PROJECT ORGANIZATION CHART & CONTACT DETAILS OF KEY PERSONNEL**
- APPENDIX C **3-MONTH ROLLING CONSTRUCTION PROGRAM**
- MONITORING LOCATION (AIR QUALITY, NOISE AND WATER QUALITY) APPENDIX D
- 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
- IMPLEMENTATION RECORD OF WATER MITIGATION MEASURES IN THE REPORTING MONTH APPENDIX L
- 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  $3^{rd}$  December 2018 while the date for commencement of Contract 2 is  $17^{th}$  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 **41**<sup>st</sup> Monthly EM&A report presenting the monitoring results and inspection findings for the reporting period from *1* to *30 April 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

Water Quality Monitoring
Waste Management
Site Inspections
Landfill Gas Monitoring
Environmental Complaints and Non-Compliance
Implementation Status of Mitigation Measures
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:-
  - Precast segment fabrication, shell installation for Portion I.
  - Erection for bridge segment for Main Bridge at Portion I
  - E&M work and External Work at Portion V.
  - Touch up paining and painting of east and west side spans ring weld.
  - Welding of L3 parapet base plated on steel bridge.
  - Waterproofing works for division area, footpath area and cycle track area for steel bridge.
  - Construction of long stitching and planter wall at Portion II.
  - Concrete surrounding for ducting 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
  - Road Work along Wan Po Road
  - Excavation and Demolition of existing wave wall at Portion I
  - Monitoring and Instrumentation works
  - RC construction for U-trough at Portion III, parapet at elevated deck
  - RC construction for lift shaft and stair case
  - TCSS Cross road ducts installation at Wan Po Road
  - Modification of Type 1 Wave wall
  - Drainage work at Portion I, III
  - RC Construction of foundation at Wan O Road
  - Deck construction at cycle track ramp
  - Utilities installation along At Grade Road
  - SENB installation at At-Grade Road, Portion III, U-trough

#### 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
1.11		no later than 1 month prior to the commencement of construction of the Project	
2.3	the Community Liaison	commencement of construction of the Project	• CLG setting has submitted to EPD on 9 Oct 2018
2.4	Organization of Main	No later than 2 weeks before the commencement of construction of the Project	8 8
2.5	Waste Management Plan (WMP)	No later than 1 month before commencement of construction of the Project	
2.6	Landscape Mitigation Plan (LSMP)	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)

		License/Permit Status				
Item	Description	Permit no./	Valid Period			
nem	Description	Account no./ Ref. no.	From To		Status	
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	WT00032842-20 18	1 Mar 2019	31 Mar 2024	Valid until 31 March 2024	
	License	WT00034178-20 19	15 Jul 2019	31 Jul 2024	Valid until 31 July 2024	
4	BillingAccountforDisposalofConstruction Waste	7031412	24 Jul 2018	N/A		
5	Construction Noise Permit	GW-RE0304-22	31 Mar 2022	30 Jul 2022	Valid until 30 Jul 2022	

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

			License/Permit 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-RE0306-22	6 Apr 2022	31 Jul 2022	Valid until 31 Jul 2022	

#### Table 2-3 Status of Environmental Licenses and Permits of the Project Works (Contract 2)

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 Enforcements				
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 3-1 Summary 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 3-2Designated 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 19th 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.

	Designated and interim al monitoring in the Reporting 1	lternative location for air quality and noise Period
Location IDMonitoring ParameterLocation		
1 3 (3		

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:

10

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

# Air Quality Monitoring

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

#### <u>Noise Monitoring</u>

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	or water quality in	npact 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		
pH meter	- YSI ProDSS Digital Sampling System Water Quality Meter	
Turbidimeter		
Salinometer		
Sample Container	High density polythene bottles (provided by laboratory)	
Storage Container	'Willow' 33-litter plastic cool box with Ice pad	

#### Table 3-8 Water Monitoring Equipment

#### 3.6 **MONITORING PROCEDURES** Air Quality

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 pump to draw sample aerosol through the optic chamber where TSP is measured; (a.)
  - (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 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 3-9Testing Method and Reporting Limit of the Cher	mical Analysis
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	-
Total Suspended SolidsEA025APHA 2540D1 m	ng/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.

<b>Monitoring Station</b>	Action Lev	vel (µg /m <sup>3</sup> )	Limit Lev	el (µg/m³)
Womtor mg 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				

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



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

Monitoring Location	Action Level	Limit Level	
	Time Period: 0700-1900 hours o	on normal weekdays (Leq30min)	
CNMS-1	When one or more documented complaints are received 75 dB(A)		
CNMS-2 CNMS-5	Time Period: 1900-2300 hours on all days (Leq15min)		
	When one or more documented complaints are received	55 dB(A)	
Remarks:	*		
	e monitoring will be resumed at the desi	gnated locations CNMS-2, CNMS-3 and	

CNMS4 once they are available and permission are granted;

2. 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
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Monitoring		of SS (mg/L)			
Station	Action Level		L	imit Level	
CC1	7.8	<b>OR</b> 120% of upstream control	9.3	OR 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 at Ebb tide and	
CC4	13.8	at Ebb tide and Control Station C4 at	15.4	Control Station C4 at	
CC13	8.9	Flood tide), whichever is higher	10.3	Flood tide) , whichever is higher	
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	Limit Level	Action Leve	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	D	
Location	8		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	

 $\label{eq:linear} $$ 122.168.1.230\z\bel{eq:linear} $$ 1202\B\C00\EM\&A\Bel{eq:linear} $$ Report\Bel{eq:linear} $$ 1202\Bel{eq:linear} $$ 

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, 36 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.

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

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AN	AM5		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.		
4-Apr-22	41	6-Apr-22	9:17	48	57	55		
9-Apr-22	44	12-Apr-22	9:05	69	68	68		
14-Apr-22	78	14-Apr-22	9:15	78	74	69		
20-Apr-22	47	20_Apr-22	9:03	65	63	65		
25-Apr-22	14	26-Apr-22	13:12	68	65	67		
29-Apr-22	87	30-Apr-22	9:08	67	65	63		
Average (Range)	52 (14 - 87)	Average (Range)			65 (48 - 78)			

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	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.		
4-Apr-22	48	6-Apr-22	9:02	92	90	97		
9-Apr-22	43	12-Apr-22	13:05	93	92	95		
14-Apr-22	56	14-Apr-22	9:24	88	78	83		
20-Apr-22	34	20-Apr-22	9:15	90	92	91		
25-Apr-22	61	26-Apr-22	13:03	95	93	93		
29-Apr-22	50	30-Apr-22	13:30	93	92	93		
Average (Range)	49 (34 - 61)	Average (Range)			91 (78 – 97)			

- 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

Dete	Time	Measureme	ent Result (dB(A))
Date	Time	Leq30min	Façade Correction
6-Apr-22	10:32	61.5	NA
12-Apr-22	10:03	61.1	NA
20-Apr-22	10:13	60.4	NA
26-Apr-22	13:52	60.9	NA

Tuble e a buyenne conserverion rouse impact rionneoring results at er (115 a	Table 5-2	Daytime Construction Noise Impact Monitoring Results at CNMS-2
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Data	<b>T</b> :	Measurement Result (dB(A))		
Date	Time	L <sub>eq30min</sub>	Façade Correction	
6-Apr-22	11:08	61.2	NA	
12-Apr-22	10:50	59.2	NA	
20-Apr-22	11:03	58.3	NA	
26-Apr-22	14:31	58.6	NA	

Table 5-3	<b>Davtime Construction Noise Im</b>	pact Monitoring Results at CNMS-5

Date	Date Time		ent Result (dB(A))
Date	Time	Leq30min	Façade Correction
6-Apr-22	9:20	63.1	NA
12-Apr-22	9:07	61.8	NA
20-Apr-22	9:30	62.2	NA
26-Apr-22	13:05	62.3	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*.

	Cont	tract 1	Contract 2	
Type of Waste	Quantity	Disposal Location	Quantity	Disposal Location
Total C&D Materials (Inert) ('000m <sup>3</sup> )	0.126	-	0.348	-
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> )	0.126	TKO 137	0.348	TKO 137
Imported Fill ('000m <sup>3</sup> )	0	-	0.567	-

# 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)	0.182	Collected by paper recycling company	0	-
Recycled Plastic ('000kg)	0	-	0	-
Chemical Wastes ('000kg)	0	-	0	-
General Refuses ('000m <sup>3</sup> )	0.552	NENT	0.067	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 6, 13, 20 & 27 April 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	Findings / Deficiencies	Follow-Up Status
6 April 2022	<ul> <li><u>Observation:</u></li> <li>NRMM label should be displayed properly for NRMM using on-site. (Portion II)</li> </ul>	• NRMM label has been displayed for NRMM using on-site.
13 April 2022	<ul> <li><u>Observation:</u></li> <li>Drip tray should be provided for chemical storage on-site. (Works Area A)</li> <li>C&amp;D waste and stagnant water cumulated inside the u-channel should be cleaned. (Works Area A)</li> <li>Cement slurry cumulated at the side of the bridge should be cleaned to prevent overflow into the water body. (Portion II)</li> </ul>	<ul> <li>for chemical storage on-site.</li> <li>C&amp;D waste and stagnant water cumulated inside the u-channel were cleaned.</li> </ul>
20 April 2022	• No adverse environmental issue was observed.	• NA
27 April 2022	<ul> <li><u>Observation:</u></li> <li>Drip tray should be provided for chemical storage on-site. (Portion II)</li> </ul>	• Chemical storage on-site was removed.

 Table 8-1
 Site 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 6, 13, 20 & 27 April 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.

Table 8-2Site Observations of the Contract 2 (Contract No. NE/2017/08)

Date	Findings / Deficiencies		Follow-Up Status
6 April 2022	<ul> <li><u>Observation:</u></li> <li>Water spraying frequency for the haul road should be increased to reduce dust impact. (Portion VI - XYZ)</li> </ul>		Water Spraying applied at xyz for dust suppression
13 April 2022	• No adverse environmental issue was observed.	•	NA



Date	Findings / Deficiencies	Follow-Up Status
20 April 2022	<ul> <li><u>Observation:</u></li> <li>Drip tray should be provided for chemical storage on-site. (Portion VI)</li> </ul>	• Chemical container has been removed
27 April 2022	Observation:• Dust emitted from the plant movement was observed. Water spraying frequency for the haul road and exposed area should be increased to reduce dust generation. (Portion VI)	• Water spraying was implemented for dusty activity.

#### 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.

23

# 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	
Wiethalle	>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%	• Ventilate to restore carbon dioxide to <0.5%	
Carbon	>1.5%	Stop excavation works	
dioxide		Evacuate personnel/prohibit entry	
		• 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. A Crowcon 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 22 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 and		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%	20.8%
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, one (1) environmental complaint was received for the Project. Besides, no summons and prosecution under the EM&A Programme was lodged for the project.

#### Complaint received on 28 April 2022

- 10.1.2 A complaint was received by EPD regarding the noise nuisance caused by marine construction vessels on 17 March 2022 evening.
- 10.1.3 As advised by the Contractor of Contract 1, no marine work and no operation of PME was carried out at Junk Bay on 17 March 2022 after 19:00. It is confirmed by RSS that there is no marine work and no operation of PME during the complaint period under the Project. EPD carried out investigation regarding the complaint and revealed that there was a noisy tug boat towing a barge at the Junk Bay toward Lei Yue Mun direction at around 00:00 on 15 April 2022. However, it is not sure if the tug boat is related to Cross Bay Link Project. Besides, as advised by the Contractor of Contract 1, no marine work and no operation of tug boat was carried out on 14 April 2022 after 19:00 under the Project.
- 10.1.4 The Investigation conducted by the ET revealed that the complaint is not related to the Project since no construction work was carried out during the complaint period.
- 10.1.5 The statistical summary table of environmental complaint is presented in *Tables 10-1, 10-2* and *10-3*.

Reporting	Environmental Complaint Statistics			Related with the	
Period	Contract	Frequency	Cumulative	<b>Complaint Nature</b>	Works Contract(s)
1 – 30 April	1	1	26	Noise	Not Project Related
2022	2	0	16	NA	NA

 Table 10-1
 Statistical Summary of Environmental Complaints

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

Reporting	Contract	Environmental Summons Statistics				
Period	Contract	Frequency	Cumulative	Summons Nature		
1 – 30 April	1	0	0	NA		
2022	2	0	0	NA		

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

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

# **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	<ul> <li>on-site ;</li> <li>If possible, all mobile plants onsite operation has located far from NSRs;</li> <li>When machines and plants (such as trucks) were not in using, it was switched off;</li> <li>Wherever possible, plant was prevented oriented directly the nearby NSRs;</li> <li>Provided quiet powered mechanical equipment to use onsite;</li> <li>Weekly noise monitoring was conducted to ensure construction noise meet the criteria.</li> </ul>
Air Quality	<ul> <li>Stockpile of dusty material was covered entirely with impervious sheeting or sprayed with water so as to maintain the entire surface wet;</li> <li>The construction plants regularly maintained to avoid the emissions of black smoke;</li> </ul>
	<ul> <li>The construction plants switched off when it not in use;</li> <li>Water spraying on haul road and dry site area was provided regularly;</li> <li>Where a vehicle leaving the works site is carrying a load of dusty materials, the load has covered entirely with clean impervious sheeting; and</li> </ul>
Water Quality	<ul><li>Before any vehicle leaving the works site, wheel watering has been performed.</li><li>Debris and refuse generated on-site collected daily;</li></ul>
	<ul> <li>Oils and fuels were stored in designated areas;</li> <li>The chemical waste storage as sealed area provided;</li> <li>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</li> <li>Portable chemical toilets were provided on-site. A licensed contractor was regularly disposal and maintenance of these facilities.</li> <li>Silt curtain was installed and maintained in accordance with EP condition</li> </ul>
Waste and	• Excavated material reused on site as far as possible to minimize off-site disposal.
Chemical Management	<ul> <li>Scrap metals or abandoned equipment should be recycled if possible;</li> <li>Waste arising kept to a minimum and be handled, transported and disposed of in a suitable manner;</li> </ul>
	• Disposal of C&D wastes to any designated public filling facility and/or landfill followed a trip ticket system; and
	• Chemical waste handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes.
General	<ul> <li>The site is generally kept tidy and clean.</li> <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 May 2022 should be included:-

#### Contract 1

- Precast segment fabrication, shell installation for Portion I.
- Erection for bridge segment for Main Bridge at Portion I
- E&M work and External Work at Portion V.
- Touch up paining and painting of east and west side spans ring weld.

- Welding of L3 parapet base plated on steel bridge.
- Waterproofing works for division area, footpath area and cycle track area for steel bridge.
- Construction of long stitching and planter wall at Portion II.
- Concrete surrounding for ducting at Portion II.

#### Contract 2

- UU Diversion
- Excavation and Demolition of existing wave wall at Portion I
- RC construction for U-trough at Portion III, parapet at elevated deck
- TCSS Cross road ducts installation at Wan Po Road
- Drainage work at Wan O Road and Wan Po Road
- Deck construction at cycle track ramp
- Directional sign at Wan Po Road
- Monitoring and Instrumentation works
- RC construction for lift shaft and stair case
- Modification of Type 1 Wave wall
- RC Construction of foundation at Wan O Road
- Utilities installation along At Grade Road
- SENB installation at At-Grade Road, Portion III, U-trough

#### **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 April 2022*.
- 12.1.2 In this Reporting Period, no 1-Hour TSP or 24-Hr TSP air quality monitoring and no noise exceedance was recorded. No NOE or the associated corrective actions were therefore issued.
- 12.1.3 In the Reporting Period, one (1) action level exceedance for construction noise was recorded due to one (1) noise complaint was recorded. Investigations was undertaken by ET. The daytime construction noise action level exceedances is unlikely due to the Project.
- 12.1.4 In the Reporting Period, one (1) environmental complaints were recorded for the Project with respect to the noise nuisance arising from the Project. Investigations for the noise complaints were undertaken by ET and indicated that the noise complaint was not Project related since no construction work was carried out at the complaint period. Besides, no summons and prosecution was lodged for the project

#### **12.2 RECOMMENDATIONS**

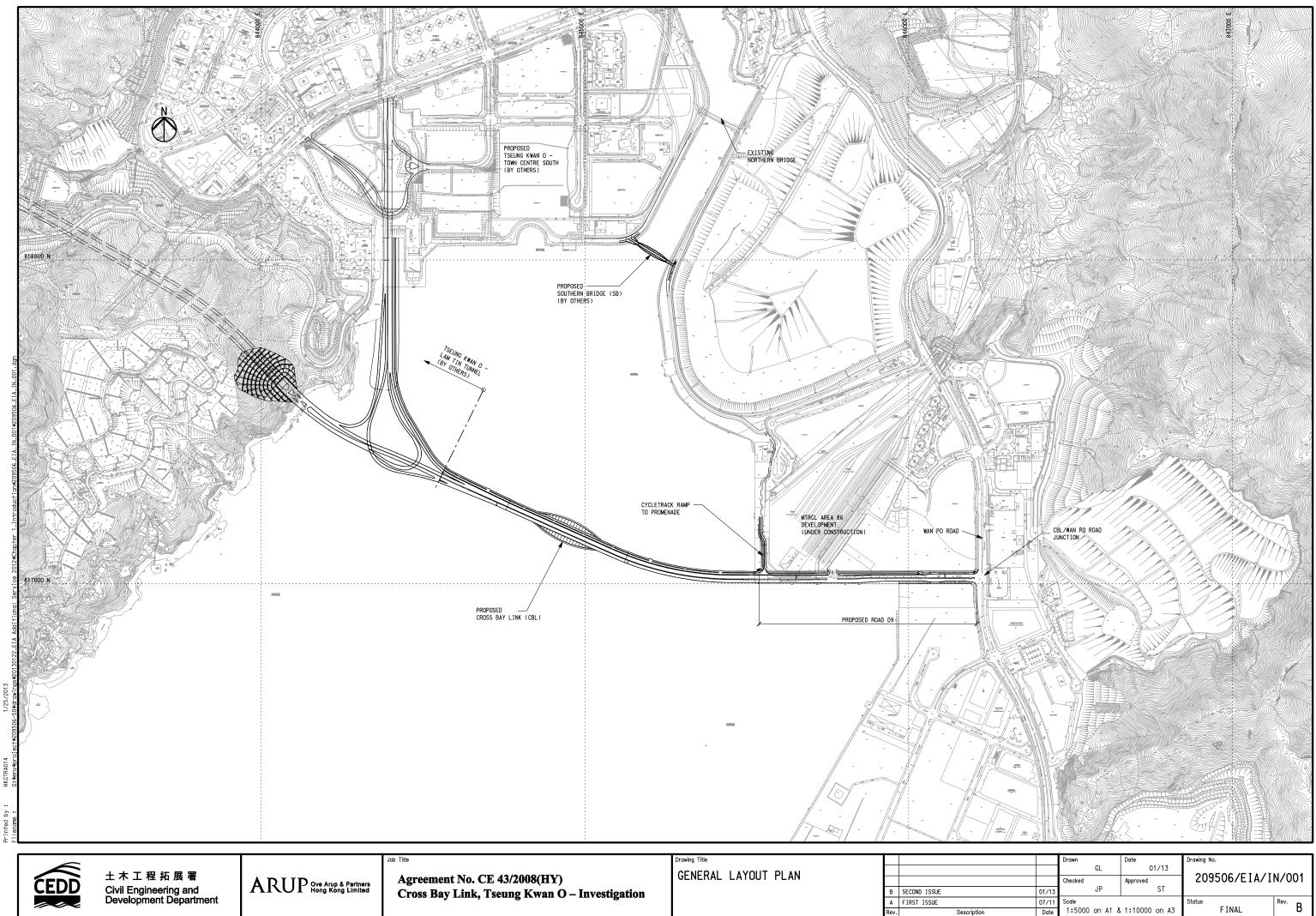
- 12.2.1 Due to wet season is approaching, the Contractor was reminded that all the works being undertaken must fulfill environmental statutory requirements and to paid attention to water quality mitigation measures to prevent surface runoff into nearby water bodies or public areas.
- 12.2.2 Construction 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.



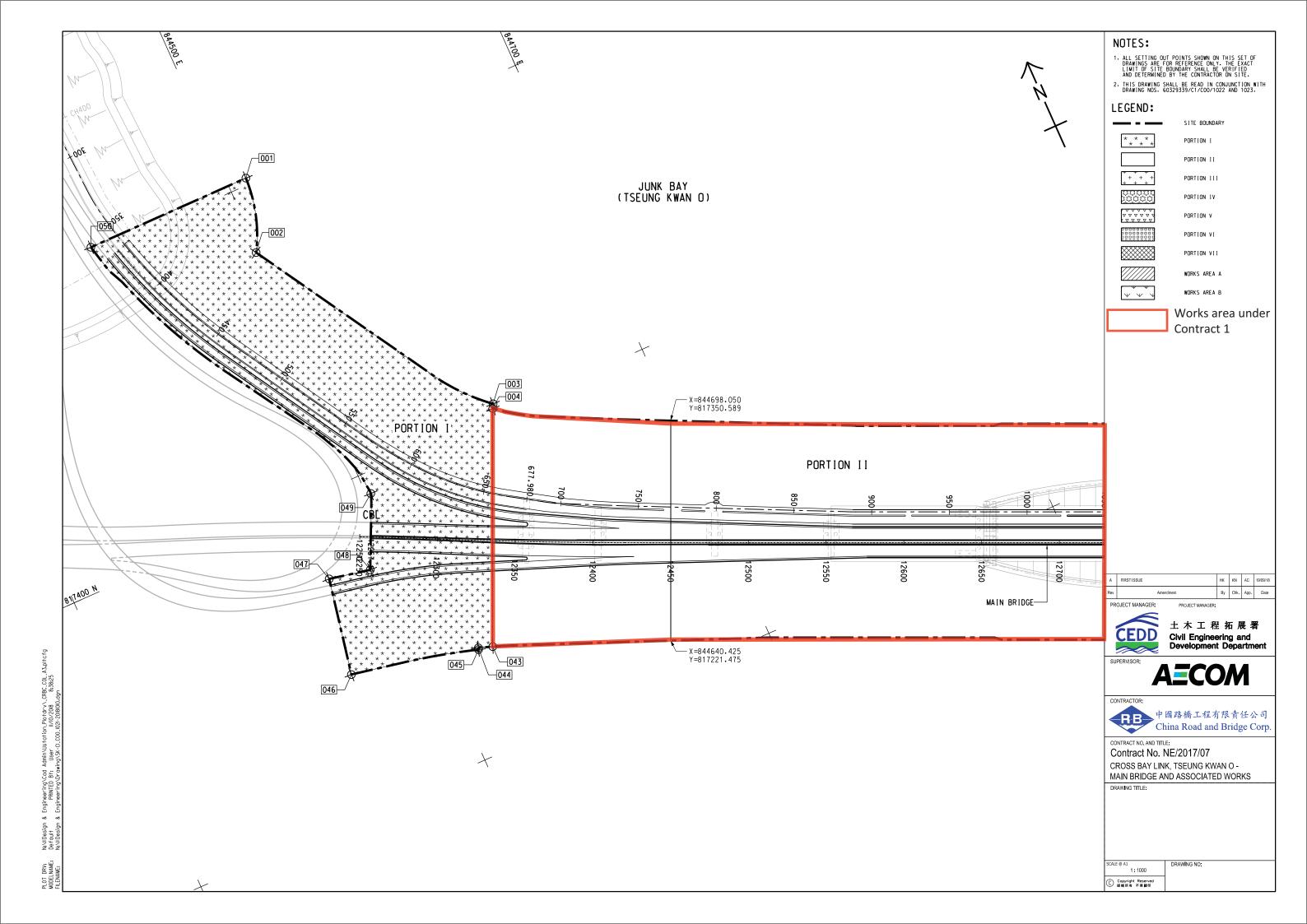
Appendix A

**Project Layout Plan** 

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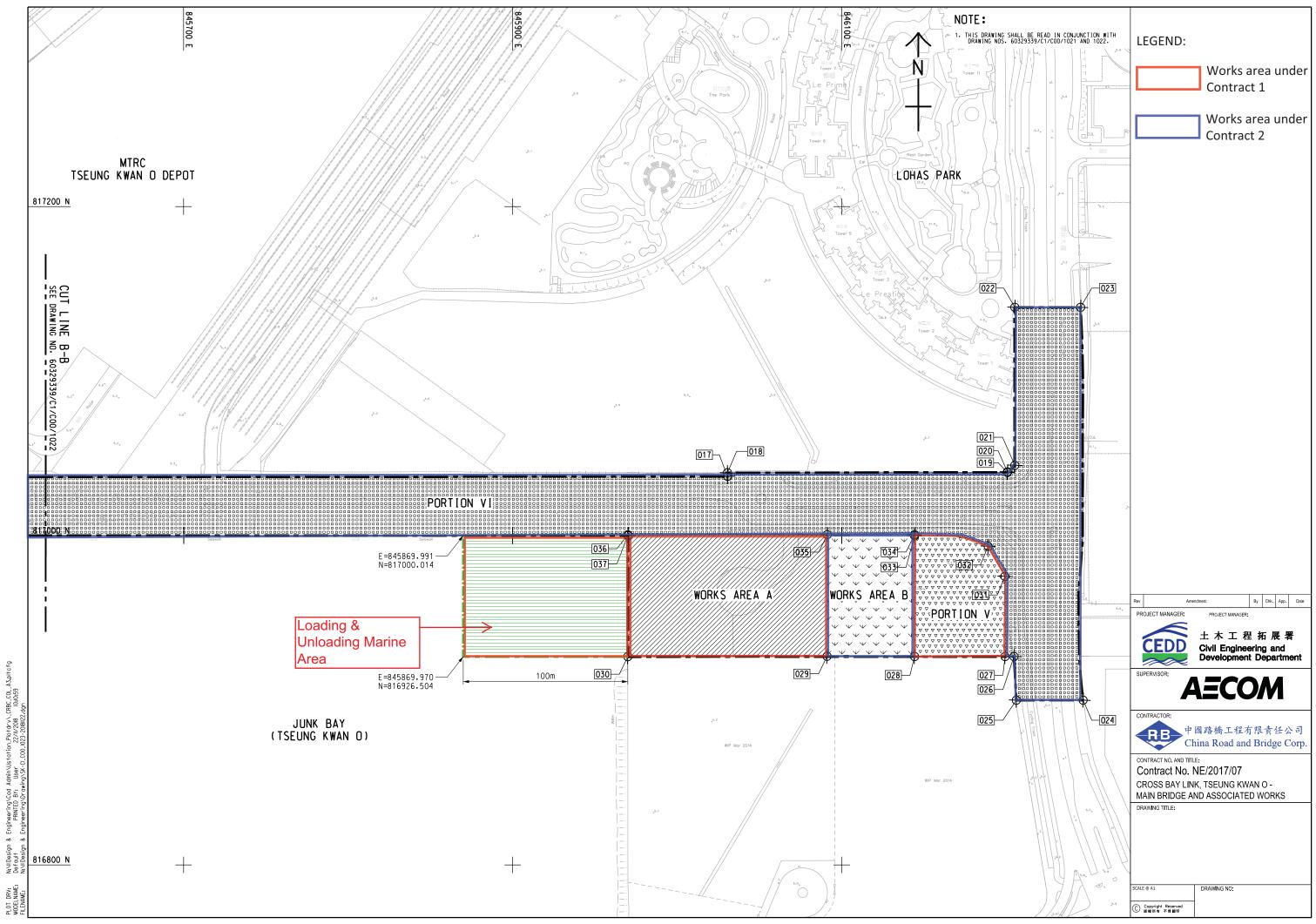


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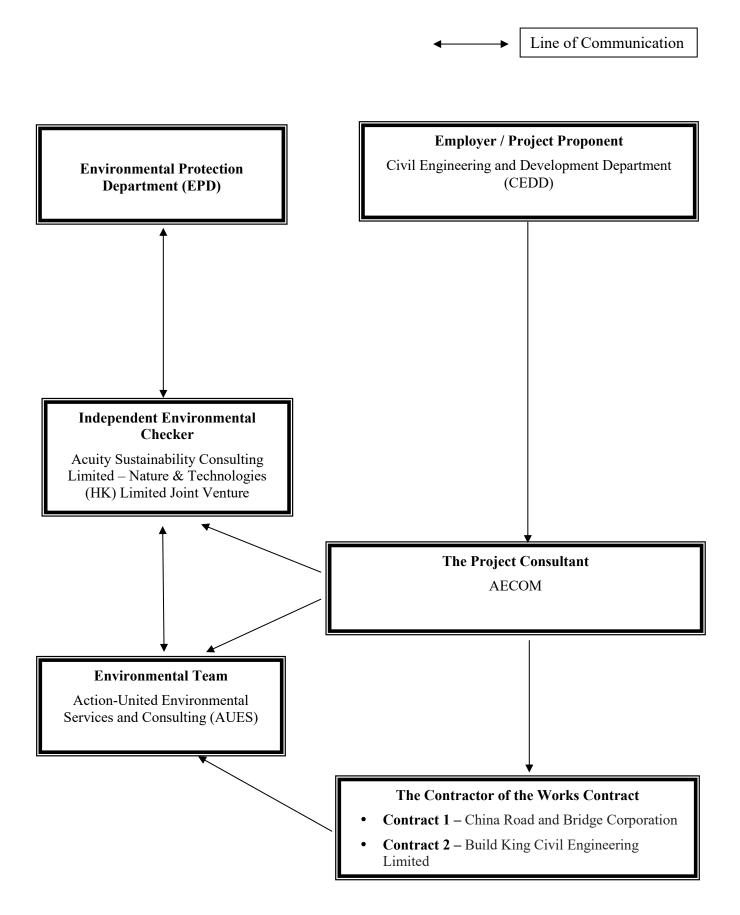


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# **Appendix B**

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	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	Calvin So	9724 6254	2283 1689
CRBC	Environmental Supervisor	Alice Ngai	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**

AULS

#### 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-Apr-22 Sheet 1 of 6

Activity	Sheet 101 0	Lachter/barne	Original Duration	Remaining Durati	n Start	Finish	Physical %		Amil 2022	May/2022
-iCevity	5			Tonangouald	2011204	05.0.1.22	Complete	27 03	10 17 24	01 08 15 22
		ung Kwan O Main Bridge and Associated Works	741	181	30-Jul-20 A	05-Oct-22				Access Date
	Access Date PAD1110	Access to Portion VI (NCE No.196 - Further extension of Portion VI to the Contractor on 30 April 2022)	0	0	30-Apr-22 30-Apr-22*	30-Apr-22	0%			Access Date Access to Portion VI (NCE No.196 - Further extens
			0	0	08-Apr-22	08-Apr-22	078		Contractual Key Dates and Section of the W	
	<b>*</b>	ates and Section of the Works ual Key Dates and Section of the Works	0	0	08-Apr-22 08-Apr-22	08-Apr-22			<ul> <li>Resived Contractual Key Dates and Section</li> </ul>	
	Area Handover Dat		0	0	08-Apr-22	08-Apr-22			▼ Area Handover Date	<u> </u>
	PAD1130	Access to Portion VI	0	0	08-Apr-22*		0%		<ul> <li>Access to Portion VI</li> </ul>	
	Preliminaries, Con	tractor's Design & Method Statement Submission & Approval	111	18	12-Jun-21 A	25-Apr-22			▼ Prelimir	aries, Contractor's Design & Method Statement Subr
	Contractor's Desig	gn Submission and Approval	- 111	18	12-Jun-21 A	25-Apr-22				tor's Design Submission and Approval
	CDS1230	Design of cycle rack (incl. 14 days TRA)	111	18	12-Jun-21 A	25-Apr-22	75%		Design of	of cycle rack (incl. 14 days TRA)
	Precasting & Fabrie	ication Works	61	30	02-Mar-22 A	07-May-22				Precasting & Fabrication Works
		ecast Segments (TKOI Entrustment Works)	61	30	19-Mar-22 A	07-May-22				Fabrication of Precast Segments (TK
	Pre-stressing Work	rks	61	30 10	19-Mar-22 A 19-Mar-22 A	07-May-22 17-Apr-22			Pre-stressing Works for H	Pre-stressing Works
	P-PF6000	Linking and stressing for 5B-5C (Linking yard No.2)	10	0	02-Apr-22 A	05-Apr-22 A	100%	Li	king and stressing for 5B-5C (Linking yard N	
	P-PF6020	Linking and stressing for 5E-5F (Linking yard No.3)	10	0	01-Apr-22 A	05-Apr-22 A	100%	Li	king and stressing for 5E-5F (Linking yard No	: 2:3)
	P-PF6060	Linking and stressing for 5A-5B (Linking yard No.2)	10	0	19-Mar-22 A	26-Mar-22 A	100%	Linking and stressing f	or 5A-5B (Linking yard No.2)	
	P-PF6080	Linking and stressing for 5F-5G (Linking yard No.2)	10	10	08-Apr-22	17-Apr-22	0%			5F-5G (Linking yard No.2)
	P-PF6100	Linking and stressing for 5C-5D (Linking yard No.1)	10	10	08-Apr-22	17-Apr-22	0%		Ŭ Ŭ	5C-5D (Linking yard No.1)
	P-PF6140	Linking and stressing for 5G-5H (Linking yard No.1)	10	10	08-Apr-22	17-Apr-22	0%			5G-5H (Linking yard No.3)
		rks for Bridge CT	37	24	31-Mar-22 A	01-May-22	070			Pre-stressing Works for Bridge CT
	P-PF7020	Linking and stressing for 9F-9G (Linking yard No.1)	10	10	22-Apr-22	01-May-22 01-May-22	0%			Linking and stressing for 9F-9G (Linking yard N
	P-PF7040	Linking and stressing for 9C-9D (Linking yard No.2)	10	7	08-Apr-22 A	14-Apr-22	15%		Linking and stressing for 9C-9	D (Linking yard No.2)
	P-PF7080	Linking and stressing for 9G-9H (Linking yard No.2)	10	10	18-Apr-22	27-Apr-22	0%		Link	cing and stressing for 9G-9H (Linking yard No.2)
	P-PF7120	Linking and stressing for 9B-9C (Linking yard No.1)	10	10	18-Apr-22	27-Apr-22	0%		Link	ting and stressing for 9B-9C (Linking yard No.1)
	P-PF7140	Linking and stressing for 9E-9F (Linking yard No.3)	10	0	31-Mar-22 A	02-Apr-22 A	100%	💻 Linking a	d stressing for 9E-9F (Linking yard No.3)	
		rks for Bridge S200	10	17	21-Apr-22	02-Apr-22 A 07-May-22	10070	6-		<ul> <li>Pre-stressing Works for Bridge S200</li> </ul>
	P-PF8020	Linking and stressing for 2K-2L (Linking yard No.3)	10	10	21-Apr-22	30-Apr-22	0%			Linking and stressing for 2K-2L (Linking yard No.
	P-PF8040	Linking and stressing for 2J-2K (Linking yard No.2)	10	10	28-Apr-22	07-May-22	0%			Linking and stressing for 2J-2K (Lin
	Eabrication of Pre	ecast Pier (TKOI Entrustment Works)	33	3	02-Mar-22 A	10-Apr-22			Fabrication of Precast Pier (TKOI Entr	ustment Works)
	S1-PP1007	Fabrication of precast pier for Pier 5C	15	0	19-Mar-22 A	31-Mar-22 A	100%	Fabrication of	f precast pier for Pier 5C	<u>.</u>
	S1-PP1008	Fabrication of precast pier for Pier 9C	15	0	13-Mar-22 A	28-Mar-22 A	100%	Fabrication of prec	ast pier for Pier 9C	
	S1-PP1009	Fabrication of precast pier for Pier 9G	15	0	26-Mar-22 A	05-Apr-22 A	100%	Fa	brication of precast pier for Pier 9G	
	S1-PP1013	Fabrication of precast pier for Pier 2K	15	3	02-Mar-22 A	10-Apr-22	80%		Fabrication of precast pier for Pier 2K	
	S1-PP1014	Fabrication of precast pier for Pier 5G	15	0	26-Mar-22 A	08-Apr-22 A	100%		Fabrication of precast pier for Pier 5G	
		orks-All Works within Portion I of the Site (Entrusted Works of TKOI Viaduct)	252	162	31-Dec-21 A	16-Sep-22				<u>.</u>
		rk (Works Available for Piles 5D,9D,5E, 9E, 5F, 9F, 5H, 9H, 1L, 2L)	157	67	31-Dec-21 A	13-Jun-22				
		CSS, Duct and Handover Works	157	67	31-Dec-21 A	13-Jun-22				:
	S1-SW0095	Delivery of parapet skin for Bridge ML (NCE No.177 - target to Hong Kong on 28 Apr 2022)	0	0		28-Apr-22*	0%		◆ D	elivery of parapet skin for Bridge ML (NCE No.177
	S1-SW1000	Stitching works, lay TCSS duct and handover to TCSS Contractor for ML (NCE185) (NCE177:delay delivery of parapet skin)	63	41	31-Dec-21 A	31-May-22	35%			
	S1-SW1015	Delivery of sign gantry at L1-W5 (NCE No.179: target to Hong Kong 19 May 22)	0	0		19-May-22*	0%			<ul> <li>Delivery of</li> </ul>
	S1-SW1020	Construction of sign gantry at L1-W5	20	20	20-May-22	13-Jun-22	0%			
	S1-SW1040	Completion of Key Date 3A	0	0		31-May-22	0%			
	Construction Wor	rk (Works Available for Piles 5B,9B,5C,9C,5G,9G,2K)	193	162	15-Feb-22 A	16-Sep-22				
		e track, Road Surfacing, Street Furniture Installation and Remaining Works	93	93	28-May-22	16-Sep-22				
	S1-RW3000	Road pavemnt, street furniture installation, road marking and remaining works for Bridge ML	60	60	28-May-22	08-Aug-22	0%			
	S1-RW3020	Road pavement, street furniture installation, road marking and remaining works for Bridge S400	70	70	25-Jun-22	16-Sep-22	0%			
	S1-RW3040	Footway and cycle track, street furniture installation, and remaining Works for Bridge CT	70	70	25-Jun-22	16-Sep-22	0%			
	S1-RW3060	Road pavement, street furniture installation, road marking and remaining works for Bridge S200	49	49	05-Jul-22	30-Aug-22	0%			
		k for Piers 5B, 9B, 5C,9C, 5G,9G	135	104	15-Feb-22 A	20-Jul-22				Installation of Precast Pier & 2nd Pour
		ecast Pier & 2nd Pour for Pile Cap ecast Pier & 2nd Pour for Pile Cap - 5B	60 25	29 2	12-Mar-22 A 16-Mar-22 A	06-May-22 09-Apr-22			Installation of Precast Pier & 2nd Pour for	
	S1-PP2060	Preparation work and delivery works for Pier 5B	5	0	16-Mar-22 A	27-Mar-22 A	100%	Preparation work an		
	S1-PP3040	Installation of precast pier and 2st pour for pile cap 5B	10	2	29-Mar-22 A	09-Apr-22	85%		Installation of precast pier and 2st pour for	r pile cap 5B
	Installation of Pre-	acast Pier & 2nd Pour for Pile Cap - 9B	11	2	12-Mar-22 A	09-Apr-22			<ul> <li>Installation of Precast Pier &amp; 2nd Pour for</li> </ul>	r Pile Cap - 9B
	S1-PP2080	Preparation work and delivery works for Pier 9B	5	0	12-Mar-22 A	27-Mar-22 A	100%	Preparation work an	delivery works for Pier 9B	
	S1-PP3060	Installation of precast pier and 2st pour for pile cap 9B	10	2	30-Mar-22 A	09-Apr-22	85%		Installation of precast pier and 2st pour for	
		acast Pier & 2nd Pour for Pile Cap - 5C	20 10	20 5	05-Apr-22 A	27-Apr-22	(50)		Instantion Work and delivery work	allation of Precast Pier & 2nd Pour for Pile Cap - 5C
	S1-PP2140	Preparation work and delivery works for Pier 5C (PB1-1)		-	05-Apr-22 A	12-Apr-22	65%			allation of precast pier and 2st pour for pile cap 5C
	S1-PP3120	Installation of precast pier and 2st pour for pile cap 5C	10	10	13-Apr-22	27-Apr-22	0%			
	Installation of Pred S1-PP2160	ecast Pier & 2nd Pour for Pile Cap - 9C Preparation work and delivery works for Pier 9C (PB1-1)	18	18 5	05-Apr-22 A 05-Apr-22 A	25-Apr-22 12-Apr-22	65%		Installati     Preparation work and delivery work	ion of Precast Pier & 2nd Pour for Pile Cap - 9C ks for Pier 9C (PB1-1)
									· · · · · · · · · · · · · · · · · · ·	
	Remainin	ng Level of Effort Critical Remaining Work								Date
	Actual Wo		т	'hroo	Month I	Polling D	raras	nmo (Anvil	2022 - July 2022)	08-Apr-22
	Remainin		1	mee		vining f	ugial	mine (rapi ii	2022 - July 2022)	
		5 · · · · · · · · · · · · · · · · · · ·								I

22		29	05	Ju	une 2022 12	19	26	July 2 03	10
tensio	n of Port	ion VI to	the Contrac	tor on 30	0 April 2	022)			
Submi	ssion & A	Approval							
(TKO	I Entrust	ment Wo	orks)						
rd No.	1)								
) ) 									
No.3) (Linki	ng yard !	No.2)							
								ble for Piles Handover W	
		Stitchin		or 2022) y TCSS	duct and		TCSS Cor	tractor for M	
y OI SIĘ			etion of Key	- (	Construc	tion of sign §	gantry at L1		
								_	
Pour fo	or Pile Ca	р							
5C C									
			Dovinio			Cha		Ann=-	
	3MRF		Revision 22 - Jul 2			Cheo	JAEU	Appro	veu

Data Date :08-Apr-22 Sheet 2of 6

ActivityName	Original Duration	Remaining Duration	Start	Finish	Physical %		April 2022	May2022
S1-PP3140 Installation of precast pier and 2st pour for pile cap 9C	7	7	14-Apr-22	25-Apr-22	Complete 0%	27 03	10 17 24 Installation	01 08 15 on of precast pier and 2st pour for pile cap 9C
stallation of Precast Pier & 2nd Pour for Pile Cap - 9G	20	20	15-Apr-22	04-May-22			+	Installation of Precast Pier & 2nd Po
S1-PP2180 Preparation work and delivery works for Pier 9G (PB1-2)	10	10	15-Apr-22	24-Apr-22	0%		Preparation	work and delivery works for Pier 9G (PB1-2
S1-PP3160 Installation of precast pier and 2st pour for pile cap 9G	7	7	26-Apr-22	04-May-22	0%			Installation of precast pier and 2st po
stallation of Precast Pier & 2nd Pour for Pile Cap - 5G	22	22	15-Apr-22	06-May-22			Deservation	Installation of Precast Pier & 2n work and delivery works for Pier 5G (PB1-2
S1-PP2260 Preparation work and delivery works for Pier 5G (PB1-2)	10	10	15-Apr-22	24-Apr-22	0%		Preparauor	Installation of precast pier and 2
S1-PP3240 Installation of precast pier and 2st pour for pile cap 5G	10	10	25-Apr-22	06-May-22	0%	Installation of Dr	cast Pier & 2nd Pour for Pile Cap - 5E	instantation of precast pier and a
stallation of Precast Pier & 2nd Pour for Pile Cap - 5E         S1-PP3260       Installation of precast pier and 2st pour for pile cap 5E	10	0	16-Mar-22 A 16-Mar-22 A	29-Mar-22 A 29-Mar-22 A	100%		cast pier and 2st pour for pile cap 5E	
stallation of Precast Pier & 2nd Pour for Pile Cap - 9E	10	0	17-Mar-22 A	29-Mar-22 A		Installation of Pre	cast Pier & 2nd Pour for Pile Cap - 9E	
S1-PP3280 Installation of precast pier and 2st pour for pile cap 9E	10	0	17-Mar-22 A	29-Mar-22 A	100%	Installation of pre	cast pier and 2st pour for pile cap 9E	
stallation of Precast Pier & 2nd Pour for Pile Cap - 5F	16	0	24-Mar-22 A	06-Apr-22 A			nstallation of Precast Pier & 2nd Pour for Pile (	ap - 5F
S1-PP2240 Preparation work and delivery works for Pier 5F	5	0	24-Mar-22 A	27-Mar-22 A	100%	-	-	5E
S1-PP3220 Installation of precast pier and 2st pour for pile cap 5F	10	0	27-Mar-22 A	06-Apr-22 A	100%		nstallation of precast pier and 2st pour for pile of	
Stallation of Precast Pier & 2nd Pour for Pile Cap - 9F           S1-PP2100         Preparation work and delivery works for Pier 9F	24	0	24-Mar-22 A 24-Mar-22 A	06-Apr-22 A 27-Mar-22 A	100%		nstallation of Precast Pier & 2nd Pour for Pile ( delivery works for Pier 9F	ap - 9r
S1-PP3080 Installation of precast pier and 2st pour for pile cap 9F	10	0	28-Mar-22 A	06-Apr-22 A	100%		nstallation of precast pier and 2st pour for pile of	ap 9F
ge 2 - Erection of Bridge Segments	71	55	15-Mar-22 A	01-Jun-22				
rection of Bridge Segments for Bridge S400 and Bridge CT Segment erection between Pier9D and Pier9E - Stage 2-4	71 11	55 0	15-Mar-22 A	01-Jun-22			erection between Pier 9D and Pier 9E - Stage	2_4
SI-EB2064 Preparation work and delivery works for segment between Pier 9D and Pier 9E	5	0	19-Mar-22 A 19-Mar-22 A	02-Apr-22 A 27-Mar-22 A	100%		delivery works for segment between Pier 9D a	
S1-EB2065 Segment erection between Pier 9D and Pier 9E	1	0	02-Apr-22 A	02-Apr-22 A	100%	<ul> <li>Segment</li> </ul>	erection between Pier 9D and Pier 9E	
Segment erection between Pier 5E and Pier 5F - Stage 2-5	10	6	03-Apr-22 A	13-Apr-22		·	<ul> <li>Segment erection between Pier 5</li> </ul>	
S1-EB2066 Preparation work and delivery works for segment between Pier 5E and Pier 5F (B1-1)	10	5	03-Apr-22 A	12-Apr-22	50%			s for segment between Pier 5E and Pier 5F
S1-EB2067 Segment erection between Pier 5E and Pier 5F	1	1	13-Apr-22	13-Apr-22	0%		Segment erection between Pier 5	
Stegment erection between Pier 9E and Pier 9F - Stage 2-6           S1-EB2068         Preparation work and delivery works for segment between Pier 9E and Pier 9F (B2-1)	10 10	7	04-Apr-22 A 04-Apr-22 A	14-Apr-22 13-Apr-22	45%	· · · · · · · · · · · · · · · · · · ·	Segment erection between Pier     Preparation work and delivery wo	9E and Pier 9F - Stage 2-6 irks for segment between Pier 9E and Pier 9
ST-EB2069 Segment erection between Pier 9E and Pier 9F	1	1	14-Apr-22	13 Apr-22	0%		<ul> <li>Segment erection between Pier</li> </ul>	_
Segment erection between Pier 5F and Pier 5G - Stage 2-13	11	11	10-May-22	20-May-22	070			·
S1-EB2070 Preparation work and delivery works for segment between Pier 5F and Pier 5G (B1-4)	10	10	10-May-22	19-May-22	0%			Pro Pro
S1-EB2075 Segment erection between Pier 5Fand Pier 5G	1	1	20-May-22	20-May-22	0%			
Segment erection between Pier 9F and Pier 9G - Stage 2-14	11	11	11-May-22	21-May-22				
S1-EB2080 Preparation work and delivery works for segment between Pier 5G and Pier 5H (B2-4)	10	10	11-May-22	20-May-22	0%			
S1-EB2081 Segment erection between Pier 9F and Pier 9G	1	1	21-May-22	21-May-22	0%			
egment erection between Pier 5G and Pier 5H - Stage 2-15 S1-EB2090 Preparation work and delivery works for segment between Pier 5G and Pier 5H (B1-5)	11	11 10	21-May-22 21-May-22	31-May-22 30-May-22	0%			1
SI-EB2091 Segment erection between Pier 5G and Pier 5H	1	1	31-May-22	31-May-22	0%			
Segment erection between Pier 9G and Pier 9H- Stage 2-16	11	11	22-May-22	01-Jun-22				
S1-EB2100 Preparation work and delivery works for segment between Pier 9G and Pier 9H (B2-5)	10	10	22-May-22	31-May-22	0%			
S1-EB2101 Segment erection between Pier 9G and Pier 9H	1	1	01-Jun-22	01-Jun-22	0%			
eigement erection between Abutment 5A and Pier 5B - Stage 2-7	22	1	22-Mar-22 A	18-Apr-22	1000/	Proportion	<ul> <li>Segment erection betw work and delivery works for segment between</li> </ul>	een Abutment 5A and Pier 5B - Stage 2-7
S1-EB2010 Preparation work and delivery works for segment between Abutment 5A and Pier 5B	5	0	22-Mar-22 A	01-Apr-22 A	100%	rieparatioi		een Abutment 5A and Pier 5B (Delay and
S1-EB2015 Segment erection between Abutment 5A and Pier 5B (Delay and resequence due to NE/2015/02 interface issue )	1	1	18-Apr-22*	18-Apr-22	0%		-	ween Abutment 9A and Pier 9B - Stage 2-
egment erection between Abutment 9A and Pier 9B - Stage 2-8 S1-EB2020 Preparation work and delivery works for segment between Abutment 9A and Pier 9B	18 5	0	17-Mar-22 A 17-Mar-22 A	19-Apr-22 03-Apr-22 A	100%	Prepar	tion work and delivery works for segment betw	
S1-EB2025 Segment erection between Abutment 9A and Pier 9B (Delay and resequence due to NE/2015/02 interface issue )	1	1	19-Apr-22	19-Apr-22	0%		<ul> <li>Segment erection bet</li> </ul>	ween Abutment 9A and Pier 9B (Delay and
Segment erection between Pier 5B and Pier 5C - Stage 2-9	15	15	14-Apr-22	28-Apr-22			<del>▼</del> Se	gment erection between Pier 5B and Pier 5
S1-EB2030 Preparation work and delivery works for segment between Pier 5B and Pier 5C (B1-2)	10	10	14-Apr-22	23-Apr-22	0%		-	vork and delivery works for segment betw
S1-EB2035 Segment erection between Pier 5B and Pier 5C	1	1	28-Apr-22	28-Apr-22	0%		∎ Se	gment erection between Pier 5B and Pier 5
Segment erection between Pier 9B and Pier 9C - Stage 2-11           S1-EB2040         Preparation work and delivery works for segment between Pier 9B and pier 9C (B1-3)	11 10	11 10	29-Apr-22	09-May-22 08-May-22	0%			Segment erection betw     Preparation work and de
	10		29-Apr-22	-	0%			Segment erection betw
S1-EB2045 Segment erection between Pier 9B and Pier 9C Segment erection between Pier 5C and Pier 5D - Stage 2-10		1	09-May-22	09-May-22	0%		·	egment erection between Pier 5C and Pier
S1-EB2050 Preparation work and delivery works for segment between Pier 5C and 5D (B2-2)	12 10	12	18-Apr-22 18-Apr-22	29-Apr-22 27-Apr-22	0%			aration work and delivery works for segme
S1-EB2055 Segment erection between Pier5C and Pier 5D	1	1	29-Apr-22	29-Apr-22	0%		• 5	egment erection between Pier5C and Pier
egment erection between Pier9C and Pier9D - Stage 2-12	11	11	30-Apr-22	10-May-22			•	<ul> <li>Segment erection be</li> </ul>
S1-EB2060 Preparation work and delivery works for segment between Pier 9C and Pier 9D (B2-3)	10	10	30-Apr-22	09-May-22	0%		•	Preparation work and
S1-EB2061 Segment erection between Pier 9C and Pier 9D	1	1	10-May-22	10-May-22	0%			<ul> <li>Segment erection be</li> </ul>
Segment erection between Pier 5D and Pier 5E - Stage 2-3           S1-EB2062         Preparation work and delivery works for segment between Pier 5D and 5E	9	0	15-Mar-22 A 15-Mar-22 A	01-Apr-22 A 26-Mar-22 A	100%		ection between Pier 5D and Pier 5E - Stage 2 elivery works for segment between Pier 5D an	
S1-EB5260 Segment erection between Pier 5D and Pier 5E	1	0	01-Apr-22 A	01-Apr-22 A	100%		ection between Pier 5D and Pier 5E	
thing Work, TCSS, Duct and Handover Works	40	40	02-Jun-22	20-Jul-22	10070	6		
-EB2120 Stitching works, laying of TCSS duct and handover to TCSS Contractor	40	40	02-Jun-22 02-Jun-22	20-Jul-22 20-Jul-22	0%			
allation of Precast Pile Cap & 1st Pour for Pile Cap	36	8	15-Feb-22 A	20-Apr-22			<ul> <li>Installation of Prece</li> </ul>	ist Pile Cap & 1st Pour for Pile Cap
-PC2002 Installation of pilecap and 1st pour for Pier 5B (Bridge S400-1) (NCE No.183)	26	0	15-Feb-22 A	25-Mar-22 A	100%	<ul> <li>Installation of pilecap and</li> </ul>	1st pour for Pier 5B (Bridge S400-1) (NCE N	o.183)
-PC2005 Installation of pilecap and 1st pour for Pier 9B (Bridge CT-1) (NCE No.183)	26	0	15-Feb-22 A	25-Mar-22 A	100%	Installation of pilecap and	1st pour for Pier 9B (Bridge CT-1) (NCE No.	183)
Remaining Level of Effort Critical Remaining Work	,					··	·	Date
с С				, III - P		( A • • •	2022 - July 2022)	08-Apr-22
Actual Work	'	I D MOO						

	_			_	June 2022				July 2022	1
22		29	05		12	19	26	-	03	10
our for Pil	e Cap - 9	G								
2)										
our for pil	-	÷								
d Pour fo 2)	r Pile Ca	ip - 5G								
st pour fo	r pile ca	p 5G								
1	1									
			e 2 - Erection			ments Bridge S400 a	nd Bridge	СТ		
		Lica	Juon of Drid	.ge 505	mento for	Dilage 5100 a	na briage	C1		
31-1)										
(B2-1)										
			ier 5F and P works for se			-13 Pier 5F and Pie	r 5G (B1-	4)		
			ier 5Fand Pi	-			Ì			
			Pier 9F and		G - Stage	2-14				
						n Pier 5G and I	Pier 5H (B	2-4)		
legment e	rection b	etween	Pier 9F and	Pier 90	G					
						and Pier 5H - for segment b			and Pier 51	H (B1-
						and Pier 5H				
		_				G and Pier 9H	- Stage 2-1	6		
						ks for segment			3 and Pier	9H (B
		<ul> <li>Segr</li> </ul>	ment erectio	n betw	een Pier 9	G and Pier 9H				
sequence	due to N	E/2015	/02 interface	e issue	)					
					, 					
esequence	due to l	NE/201	5/02 interfac	e issue	)					
- Stage 2- Pier 5B		C (D1	2)							
		эс (БГ	-2)							
n Pier 9B	and Pie-	90.5	age 2-11							
			ween Pier 9	B and p	pier 9C (E	31-3)				
n Pier 9B	and Pier	9C								
D - Stage		ind 5D	(B)-1)							
between	r lef SC a	and SD	(D2-2)							
	Carde	er 0D	Stage 2-12							
			etween Pier		d Pier 9D	(B2-3)				
een Pier 9	C and P	ier 9D								
		_								
		_								
			Revisior	<u>ו</u>		Check	ked	A	pprove	d
	3MRF	P (Apr	22 - Jul 2	22)						

Data Date :08-Apr-22 Sheet 3of 6

S1-PC2020	ActivityName	Original Duration	Remaining Duratio	n Start	Finish	Physical % Complete		April 2022 May 2022
	Installation of pilecap and 1st pour for Pier 5C (Bridge 400-1)	26	0	09-Mar-22 A	04-Apr-22 A	100%	27 03	10 17 24 01 08 15 1 allation of pilecap and 1st pour for Pier 5C (Bridge 400-1)
S1-PC2040	Installation of pilecap and 1st pour for Pier 9C (Bridge CT-1)	26	0	09-Mar-22 A	04-Apr-22 A	100%	Inst	allation of pilecap and 1st pour for Pier 9C (Bridge CT-1)
S1-PC2140	Installation of pilecap and 1st pour for Pier 9G (Bridge CT-2) (NCE No.183)	26	8	15-Feb-22 A	20-Apr-22	50%		Installation of pilecap and 1st pour for Pier 9G (Bridge CT-2) (NC
nstruction Work fo	or Pier 2K	88	88	28-Mar-22 A	04-Jul-22		•	
	st Pier & 2nd Pour for Pile Cap (Pier 2K)	37	37	15-Apr-22	21-May-22			▼ In
S1-PP2320	Preparation work and delivery works for Pier 2K (PB1-2)	10	10	15-Apr-22	24-Apr-22	0%		Preparation work and delivery works for Pier 2K (PB1-2)
S1-PP5600	Installation of precast pier and 2st pour for pile cap 2K	10	10	11-May-22	21-May-22	0%		
iling Works for Pie Testing	r 2K (Bridge S200-3)	14	7	28-Mar-22 A 28-Mar-22 A	19-Apr-22 19-Apr-22		·	Piling Works for Pier:2K (Bridge S200-3)     Testing
S1-PW5160	Verification core & grouting for bored pile	14	7	28-Mar-22 A	19-Apr-22	60%		Verification core & grouting for bored pile
	S, Duct and Handover Works	18	18	13-Jun-22	04-Jul-22			
S1-EB3030	Stitching works, laying of TCSS duct and handover to TCSS Contractor	18	18	13-Jun-22	04-Jul-22	0%		
stallation of Preca S1-PC5000	st Pile Cap & 1st Pour for Pile Cap Installation of pilecap and 1st pour for for Pier 2K (Bridge S200-3)	15	15 15	21-Apr-22 21-Apr-22	10-May-22 10-May-22	0%		▼ Installation of Precast Pr Installation of pilecap ar
	f Bridge Segments	12	12	01-Jun-22	12-Jun-22			
Erection of Bridge S	Segments for Bridge S200	12	12	01-Jun-22	12-Jun-22			
	etween Pier 2J and Pier 2K - Stage 2-18 Preparation work and delivery works for Pier 2J and Pier 2K (B2-6)	11 10	11 10	02-Jun-22 02-Jun-22	12-Jun-22 11-Jun-22	0%		
S1-EB5440	Segment erection between Pier 2J and Pier 2K	1	1	12-Jun-22	12-Jun-22	0%		
Segment erection b	etween Pier 2K and Pier 2L - Stage 2-17	11	11	01-Jun-22	11-Jun-22			
	Preparation work and delivery works for between Pier 2K and Pier 2L (B1-6)	10	10	01-Jun-22	10-Jun-22	0%		
S1-EB5460	Segment erection between Pier 2K and Pier 2L	1	1	11-Jun-22	11-Jun-22	0%		
Vorks		43	43	11-Jun-22	01-Aug-22			
	ntry Lighting Installation ntry Lighting Installationat Bridge ML	41	41	14-Jun-22 14-Jun-22	01-Aug-22 01-Aug-22			
	Road lighting installation works	41	41	14-Jun-22	01-Aug-22	0%		
1-EM1020	Gantry lighting installation works	37	37	14-Jun-22	27-Jul-22	0%		
rete Deck Cell a	at Bridge ML - Eretctrial Work	43	43	11-Jun-22	01-Aug-22			
EM1160	Installation works	43	43	11-Jun-22	01-Aug-22	0%		
2 of Works-A	All Works within Portion II,III,IV and VI	642	181	31-Aug-21 A	05-Oct-22			
	nd Marine Viaduct	642	181	31-Aug-21 A	05-Oct-22			
rete Bridge struction of Stite	ching and Tension	476	101 22	31-Aug-21 A 10-Mar-22 A	11-Aug-22 07-May-22			Construction of Stitching and
	d External Tension	21	0	17-Mar-22 A	30-Mar-22 A	1000/		n and External Tension n and external tension for NE2-3
	Bottom tension and external tension for NE2-3	18	0	17-Mar-22 A	30-Mar-22 A	100%		
S2-CB3360	Bottom tension and external tension for SE2-3	18	0	21-Mar-22 A	30-Mar-22 A	100%	Bottom tensio	n and external tension for SE2-3 Construction of Long Stitchin
onstruction of Lon S2-CB3435	G Statening Construction of long stitching for W3-W2 remaining area	35	22	10-Mar-22 A 23-Mar-22 A	07-May-22 23-Apr-22	25%		Construction of long stitching for W3-W2 remaining area
S2-CB3540	Construction of long stitching for E2-E3 (NCE No.185)	22	0	10-Mar-22 A	08-Apr-22 A	100%		Construction of long stitching for E2-E3 (NCE No.185)
				08-Apr-22	07-May-22	0%		Construction of long stitching
S2-CB5600	Construction of long stitching for E2-E3 remaining area	22	22					
S2-CB5600		22 240	22 60	31-Aug-21 A	-			
S2-CB5600 ocurement and Do 2-CB2488	elivery Procurement and delivery of bituminous materials			-		80%		
S2-CB5600 ocurement and De 52-CB2488 ad Works and Su	elivery Procurement and delivery of bituminous materials rface Furniture	240 240 198	60 60 101	31-Aug-21 A 31-Aug-21 A 27-Oct-21 A	23-Jun-22 23-Jun-22 11-Aug-22	80%		
S2-CB5600 ocurement and De 52-CB2488 ad Works and Su	elivery Procurement and delivery of bituminous materials	240 240	60 60	31-Aug-21 A 31-Aug-21 A	23-Jun-22 23-Jun-22	80% 		Construction of planter type 1 and ty
S2-CB5600 curement and D 2-CB2488 ad Works and Su toad Works and Su	elivery Procurement and delivery of bituminous materials rface Furniture urface Furniture at W5 - W2	240 240 198 124	60 60 101 74	31-Aug-21 A 31-Aug-21 A 27-Oct-21 A 28-Jan-22 A	23-Jun-22 23-Jun-22 11-Aug-22 11-Jul-22	80% 		Construction of planter type 1 and t
S2-CB5600 curement and Do 2-CB2488 id Works and Su bad Works and Su S2-CB4900 S2-CB4920	elivery Procurement and delivery of bituminous materials rface Furniture urface Furniture at W5 - W2 Construction of planter type 1 and type 2 (NCE No.185)	240 240 198 124 30	60 60 101 74 19	31-Aug-21 A           31-Aug-21 A           27-Oct-21 A           28-Jan-22 A           28-Jan-22 A	23-Jun-22 23-Jun-22 11-Aug-22 11-Jul-22 04-May-22			Construction of planter type 1 and t
S2-CB5600 currement and Do 2-CB2488 ad Works and Su oad Works and Su S2-CB4900 S2-CB4920 S2-CB4930	elivery Procurement and delivery of bituminous materials rface Furniture urface Furniture at W5 - W2 Construction of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185)	240 240 198 124 30 30	60 60 101 74 19 30	31-Aug-21 A 31-Aug-21 A 27-Oct-21 A 28-Jan-22 A 28-Jan-22 A 28-Jan-22 A	23-Jun-22 23-Jun-22 11-Aug-22 11-Jul-22 04-May-22 10-Jun-22	40%		Construction of planter type 1 and t
S2-CB5600 bourement and Do 32-CB2488 ad Works and Su Road Works and Su S2-CB4900	elivery Procurement and delivery of bituminous materials rface Furniture urface Furniture at W5 - W2 Construction of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Waterproofing and soiling for planter type 1 and type 2	240 240 198 124 30 30 10	60 60 101 74 19 30 10	31-Aug-21 A 31-Aug-21 A 27-Oct-21 A 28-Jan-22 A 28-Jan-22 A 28-Jan-22 A 06-Jun-22	23-Jun-22 23-Jun-22 11-Aug-22 11-Jul-22 04-May-22 10-Jun-22 16-Jun-22	40%		
S2-CB5600 currement and De 2-CB2488 ad Works and Su toad Works and Su S2-CB4900 S2-CB4920 S2-CB4930 S2-CB4940	elivery Procurement and delivery of bituminous materials rface Furniture urface Furniture at W5 - W2 Construction of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Waterproofing and soiling for planter type 1 and type 2 Installation of Lighting Post and Lighting Cabinet	240 240 198 124 30 30 10 15	60 60 101 74 19 30 10 15	31-Aug-21 A 31-Aug-21 A 27-Oct-21 A 28-Jan-22 A 28-Jan-22 A 28-Jan-22 A 06-Jun-22 17-Jun-22	23-Jun-22 23-Jun-22 11-Aug-22 11-Jul-22 04-May-22 10-Jun-22 16-Jun-22 05-Jul-22	40% 0% 0%		
S2-CB5600 ocurement and De S2-CB2488 ad Works and Su S2-CB4900 S2-CB4920 S2-CB4930 S2-CB4930 S2-CB4940 S2-CB4960	elivery Procurement and delivery of bituminous materials rface Furniture urface Furniture at W5 - W2 Construction of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Waterproofing and soiling for planter type 1 and type 2 Installation of Lighting Post and Lighting Cabinet Construction of concrete kerb for installation of L3 parapet	240 240 198 124 30 30 10 15 20	60 60 101 74 19 30 10 15 17	31-Aug-21 A 31-Aug-21 A 27-Oct-21 A 28-Jan-22 A 28-Jan-22 A 28-Jan-22 A 06-Jun-22 17-Jun-22 25-Mar-22 A	23-Jun-22 23-Jun-22 11-Aug-22 11-Jul-22 04-May-22 10-Jun-22 16-Jun-22 05-Jul-22 30-Apr-22	40% 0% 0% 25%		
S2-CB5600 curement and D 2-CB2488 ad Works and Su s2-CB4900 S2-CB4900 S2-CB4900 S2-CB4930 S2-CB4940 S2-CB4940 S2-CB5060 S2-CB5080	elivery Procurement and delivery of bituminous materials rface Furniture urface Furniture at W5 - W2 Construction of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Waterproofing and soiling for planter type 1 and type 2 Installation of Lighting Post and Lighting Cabinet Construction of concrete kerb for installation of L3 parapet Waterproofing for Footpath	240 240 198 124 30 30 10 15 20 15	60 60 101 74 19 30 10 15 17 15	31-Aug-21 A 31-Aug-21 A 27-Oct-21 A 28-Jan-22 A 28-Jan-22 A 28-Jan-22 A 06-Jun-22 17-Jun-22 25-Mar-22 A 05-May-22	23-Jun-22         23-Jun-22           23-Jun-22         11-Aug-22           11-Jul-22         04-May-22           10-Jun-22         16-Jun-22           16-Jun-22         05-Jul-22           30-Apr-22         30-Apr-22           23-May-22         23-May-22	40% 0% 0% 25% 0%		
S2-CB5600 curement and Dy 2-CB2488 ad Works and Su S2-CB4900 S2-CB4920 S2-CB4930 S2-CB4940 S2-CB4960 S2-CB4960 S2-CB5060	elivery Procurement and delivery of bituminous materials rface Furniture urface Furniture at W5 - W2 Construction of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Waterproofing and soiling for planter type 1 and type 2 Installation of Lighting Post and Lighting Cabinet Construction of concrete kerb for installation of L3 parapet Waterproofing for Footpath Paving Block Laying for Footpath	240 240 198 124 30 30 10 15 20 15 30	60 60 101 74 19 30 10 15 17 15 30	31-Aug-21 A 31-Aug-21 A 28-Jan-22 A 28-Jan-22 A 28-Jan-22 A 06-Jun-22 17-Jun-22 25-Mar-22 A 05-May-22 24-May-22	23-Jun-22 23-Jun-22 11-Aug-22 11-Jul-22 04-May-22 10-Jun-22 16-Jun-22 05-Jul-22 30-Apr-22 23-May-22 28-Jun-22	40% 0% 0% 25% 0%		
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S2-CB5180	elivery Procurement and delivery of bituminous materials rface Furniture urface Furniture at W5 - W2 Construction of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Waterproofing and soiling for planter type 1 and type 2 Installation of Lighting Post and Lighting Cabinet Construction of concrete kerb for installation of L3 parapet Waterproofing for Footpath Paving Block Laying for Footpath Waterproofing works for cycle track and carriageway Road pavement for carriageway urface Furniture at E2 - EA Construction of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185)	240         240         198         124         30         30         10         15         20         15         30         30         12         23         158         35	60         60           101         74           19         30           10         15           17         15           30         30           12         23           101         15           21         21	31-Aug-21 A           31-Aug-21 A           27-Oct-21 A           28-Jan-22 A           28-Jan-22 A           28-Jan-22 A           28-Jan-22 A           06-Jun-22           17-Jun-22           25-Mar-22 A           05-May-22           24-May-22           05-May-22           11-Jun-22           14-Jun-22           14-Jun-22           27-Oct-21 A           27-Oct-21 A           10-Jan-22 A	23-Jun-22 23-Jun-22 11-Aug-22 04-May-22 10-Jun-22 16-Jun-22 30-Apr-22 23-May-22 23-May-22 28-Jun-22 10-Jun-22 24-Jun-22 11-Jul-22 11-Aug-22 28-Apr-22 06-May-22	40% 0% 25% 0% 0% 0% 0% 80% 80%		Construction of concrete kerb for installation Construction of planter type 1 and type 2 (NCE Installation of Ducting and In-si
S2-CB5600 S2-CB2488 ad Works and Su S2-CB4900 S2-CB4900 S2-CB4920 S2-CB4920 S2-CB4920 S2-CB4940 S2-CB4940 S2-CB5060 S2-CB5080 S2-CB5100 S2-CB5120 S2-CB5140 Road Works and Su S2-CB5160 S2-CB5180 S2-CB5180 S2-CB5190	elivery Procurement and delivery of bituminous materials rface Furniture urface Furniture at W5 - W2 Construction of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Waterproofing and soiling for planter type 1 and type 2 Installation of Lighting Post and Lighting Cabinet Construction of concrete kerb for installation of L3 parapet Waterproofing for Footpath Paving Block Laying for Footpath Waterproofing works for cycle track and carriageway Road pavement for carriageway urface Furniture at E2 - EA Construction of Ducting and In-situ Concreting (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185)	240         240         198         124         30         30         10         15         20         15         30         30         12         23         158         35         10	60         60           60         101           74         19           30         10           15         17           15         30           30         12           23         101           15         21           10         15	31-Aug-21 A 31-Aug-21 A 28-Jan-22 A 28-Jan-22 A 28-Jan-22 A 28-Jan-22 A 06-Jun-22 17-Jun-22 25-Mar-22 A 05-May-22 24-May-22 05-May-22 11-Jun-22 14-Jun-22 27-Oct-21 A 27-Oct-21 A 10-Jan-22 A 07-May-22	23-Jun-22 23-Jun-22 11-Aug-22 11-Jul-22 04-May-22 10-Jun-22 05-Jul-22 30-Apr-22 23-May-22 28-Jun-22 10-Jun-22 24-Jun-22 11-Jul-22 11-Jul-22 24-Jun-22 28-Apr-22 06-May-22 19-May-22	40% 0% 25% 0% 0% 0% 0% 0% 80% 80%		Construction of concrete kerb for installation Construction of planter type 1 and type 2 (NCE Installation of Ducting and In-si
S2-CB5600 scurement and Dy 2-CB2488 ad Works and Su S2-CB4900 S2-CB4920 S2-CB4920 S2-CB4940 S2-CB4940 S2-CB5060 S2-CB5060 S2-CB5080 S2-CB5100 S2-CB5120 S2-CB5140 cod Works and Su S2-CB5160 S2-CB5180 S2-CB5180 S2-CB5190 S2-CB5190 S2-CB5200	elivery Procurement and delivery of bituminous materials rface Furniture urface Furniture at W5 - W2 Construction of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Waterproofing and soiling for planter type 1 and type 2 Installation of Lighting Post and Lighting Cabinet Construction of concrete kerb for installation of L3 parapet Waterproofing for Footpath Paving Block Laying for Footpath Waterproofing works for cycle track and carriageway Road pavement for carriageway urface Furniture at E2 - EA Construction of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Installation of planter type 1 and type 2 (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Installation of Ducting and In-situ Concreting (NCE No.185) Installation of Lighting Post and Lighting Cabinet	240         240         198         124         30         30         10         15         20         15         30         30         12         23         158         35         10         12         13         14         15         30         30         12         23         158         35         10         18	60         60           101         74           19         30           10         15           17         15           30         30           12         23           101         15           15         101           15         12           23         101           15         21           10         18	31-Aug-21 A           31-Aug-21 A           27-Oct-21 A           28-Jan-22 A           28-Jan-22 A           28-Jan-22 A           28-Jan-22 A           25-Mar-22 A           05-May-22           24-May-22           05-May-22           11-Jun-22           14-Jun-22           14-Jun-22           10-Jan-22 A           07-May-22           07-May-22	23-Jun-22 23-Jun-22 11-Jul-22 04-May-22 10-Jun-22 16-Jun-22 05-Jul-22 30-Apr-22 23-May-22 28-Jun-22 10-Jun-22 24-Jun-22 11-Jul-22 11-Jul-22 11-Jul-22 28-Apr-22 06-May-22 19-May-22 28-May-22	40% 0% 25% 0% 0% 0% 0% 0% 80% 80% 80%		Construction of concrete kerb for installation Construction of planter type 1 and type 2 (NCE Installation of Ducting and In-si Wate
S2-CB5600 scurement and Dy 2-CB2488 ad Works and St S2-CB4900 S2-CB4920 S2-CB4920 S2-CB4920 S2-CB4940 S2-CB4940 S2-CB5080 S2-CB5080 S2-CB5100 S2-CB5100 S2-CB5140 cod Works and St S2-CB5160 S2-CB5180 S2-CB5180 S2-CB5190 S2-CB5190 S2-CB5200 S2-CB5210	Bivery       Procurement and delivery of bituminous materials <b>Prace Furniture Furniture Urdace Furniture at W5 - W2</b> Construction of planter type 1 and type 2 (NCE No.185)         Installation of Ducting and In-situ Concreting (NCE No.185)       Waterproofing and soiling for planter type 1 and type 2         Installation of Lighting Post and Lighting Cabinet       Construction of concrete kerb for installation of L3 parapet         Waterproofing for Footpath       Paving Block Laying for Footpath         Waterproofing works for cycle track and carriageway       Road pavement for carriageway <b>urface Furniture at E2 - EA</b> Construction of planter type 1 and type 2 (NCE No.185)         Installation of Ducting and In-situ Concreting (NCE No.185)       Installation of Ducting and In-situ Concreting (NCE No.185)         Installation of Ducting and In-situ Concreting (NCE No.185)       Installation of Lighting Post and Lighting Cabinet         Construction of Lighting Post and Lighting Cabinet       Construction of Lighting Post and Lighting Cabinet         Construction of concrete kerb for installation of L3 parapet       Waterproofing and soiling for planter type 1 and type 2	240         240         198         124         30         30         10         15         20         15         30         30         12         23         158         35         10         18         25	60         60           101         74           19         30           10         15           17         15           30         30           12         23           101         15           15         21           10         18           17         17	31-Aug-21 A           31-Aug-21 A           27-Oct-21 A           28-Jan-22 A           06-Jun-22           17-Jun-22           25-May-22           24-May-22           05-May-22           11-Jun-22           14-Jun-22           27-Oct-21 A           27-Oct-21 A           10-Jan-22 A           07-May-22           07-May-22           10-Jan-22 A	23-Jun-22           23-Jun-22           23-Jun-22           11-Jul-22           04-May-22           10-Jun-22           16-Jun-22           30-Apr-22           23-May-22           28-Jun-22           10-Jun-22           10-Jun-22           24-Jun-22           11-Jul-22           11-Jul-22           11-Jun-22           28-Apr-22           06-May-22           19-May-22           28-May-22           30-Apr-22	40% 0% 25% 0% 0% 0% 0% 0% 80% 80%		Construction of concrete kerb for installation Construction of planter type 1 and type 2 (NCE Installation of Ducting and In-s Wate
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S2-CB5600 S2-CB2488 ad Works and Su S2-CB4900 S2-CB4920 S2-CB4920 S2-CB4920 S2-CB4940 S2-CB4940 S2-CB5080 S2-CB5080 S2-CB5080 S2-CB5100 S2-CB5120 S2-CB5140 Road Works and Su S2-CB5160 S2-CB5180 S2-CB5180 S2-CB5190 S2-CB5190 S2-CB5200 S2-CB5210	Bivery       Procurement and delivery of bituminous materials <b>Prace Furniture Furniture Urdace Furniture at W5 - W2</b> Construction of planter type 1 and type 2 (NCE No.185)         Installation of Ducting and In-situ Concreting (NCE No.185)       Waterproofing and soiling for planter type 1 and type 2         Installation of Lighting Post and Lighting Cabinet       Construction of concrete kerb for installation of L3 parapet         Waterproofing for Footpath       Paving Block Laying for Footpath         Waterproofing works for cycle track and carriageway       Road pavement for carriageway <b>urface Furniture at E2 - EA</b> Construction of planter type 1 and type 2 (NCE No.185)         Installation of Ducting and In-situ Concreting (NCE No.185)       Installation of Ducting and In-situ Concreting (NCE No.185)         Installation of Ducting and In-situ Concreting (NCE No.185)       Installation of Lighting Post and Lighting Cabinet         Construction of Lighting Post and Lighting Cabinet       Construction of Lighting Post and Lighting Cabinet         Construction of concrete kerb for installation of L3 parapet       Waterproofing and soiling for planter type 1 and type 2	240         240         198         124         30         30         10         15         20         15         30         30         12         23         158         35         10         18         25	60         60           101         74           19         30           10         15           17         15           30         30           12         23           101         15           15         21           10         18           17         17	31-Aug-21 A           31-Aug-21 A           27-Oct-21 A           28-Jan-22 A           28-Jan-22 A           28-Jan-22 A           28-Jan-22 A           25-Mar-22 A           05-May-22           24-May-22           05-May-22           11-Jun-22           14-Jun-22           14-Jun-22           10-Jan-22 A           07-May-22           07-May-22           10-Jan-22 A           07-May-22           10-Jan-22 A	23-Jun-22           23-Jun-22           23-Jun-22           11-Jul-22           04-May-22           10-Jun-22           16-Jun-22           30-Apr-22           23-May-22           28-Jun-22           10-Jun-22           10-Jun-22           28-Jun-22           11-Jul-22           11-Jul-22           11-Jun-22           24-Jun-22           11-Jul-22           11-Jul-22           11-Jul-22           11-Aug-22           28-Apr-22           06-May-22           19-May-22           28-May-22           28-May-22           30-Apr-22	40% 0% 25% 0% 0% 0% 0% 0% 80% 80%		Construction of planter type 1 and ty Construction of concrete kerb for installation Construction of planter type 1 and type 2 (NCE Installation of Ducting and In-si Wate Construction of concrete kerb for installation

~	June 2022	40 00	July 2022
22	29 05 12	19 26	03 10
No.183)			
			<ul> <li>Construction</li> </ul>
allation of Prec	ast Pier & 2nd Pour for Pile Cap (Pier 2	2K)	
allation of proc	tet niar and 2ct naur far nila can 2V		
	ast pier and 2st pour for pile cap 2K.		
	*		▼ Stitching Wor
C	for Dill Con		Stitching wor
Cap & 1st Pou 1st pour for for	Pier 2K (Bridge S200-3)		
	<ul> <li>Stage 3 - Ere</li> </ul>	ction of Bridge Segm	ents
		Bridge Segments for B	
	Preparation wo	rk and delivery works	and Pier 2K - Stage 2-1 for Pier 2J and Pier 2K
		ction between Pier 2J	
			nd Pier 2L - Stage 2-17
	_		or between Pier 2K and
	Segment erection	on between Pier 2K a	nd Pier 2L
	+		
nsion			
r F2-F3 remain	ing area		
r E2-E3 remair	ing area	<ul> <li>Procurement</li> </ul>	tand Delivery
			and delivery of bitumit
2 (NCE No 1	5)		
2 (NCE No.1		ating and In gits Con-	mating (NICE No. 185)
		-	reting (NCE No.185)
	Wate	erproofing and soiling	for planter type 1 and ty
fI 2 monor -t			Installation
f L3 parapet	for Eastrath		
Waterproofing	ior rootpath	n	wing Dloals I are a 1
	117. 6		wing Block Laying for I
	Waterproofing w	orks for cycle track an	
		Road pave	ement for cycle track
o.185)			
Concreting (N	CE No.185)		
	ing for planter type 1 and type 2		
-	llation of Lighting Post and Lighting C	abinet	
f L3 parapet			
	Waterproofing for	r Footpath	
	1 0	•	
		Waterproofing works f	or cycle track and carria
		1	
	Revision	Charlest	Annovad
3MP	Revision P (Apr 22 - Jul 22)	Checked	Approved
	י איבב טעובבן		

	AchilyName	Original Duration	Remaining Duration	Start	Hinish	Complete	27 03	April 2022 10 17 24	01 08
S2-CB5380	Road pavement for cycle track	16	16	04-Jul-22	21-Jul-22	0%			
S2-CB5400	Road pavement for carriageway	32	32	06-Jul-22	11-Aug-22	0%			
S2-CB5420	Irrigation system for planter type 2	10	10	30-May-22	10-Jun-22	0%			
S2-CB5440	Planting works for planter type 1 and 2	10	10	11-Jun-22	22-Jun-22	0%			
abrication and De		161	45	13-Nov-21 A	06-Jun-22	500/			
S2-CB5480	Fabrication and delivery of steel post and transom for L3 parapet	60	30	05-Jan-22 A	18-May-22	50%			
S2-CB5500	Fabrication and delivery of steel works for isolation panel	80	40	13-Nov-21 A	30-May-22	55%			
S2-CB5520	Fabrication of PMMA panel	90	45	09-Feb-22 A	06-Jun-22	40%			
nstruction of Sig	in Gantries	15	15 15	19-May-22 19-May-22	07-Jun-22 07-Jun-22				
S2-CB4525	Delivery of sign gantry post at E7-EA, E3-E4 & W3-W2 (NCE No.179: target to Hong Kong 19 May 22)	0	0	- ,, <u>-</u>	19-May-22*	0%			
S2-CB4530	Installation of sign gantry post at E7-EA, E3-E4 & W3-W2	7	7	20-May-22	27-May-22	0%			
S2-CB4570	Survey of gantry on site	2	2	28-May-22	30-May-22	0%			
S2-CB4610	Installation of sign gantry transom	6	6	31-May-22	07-Jun-22	0%			
l Bridge		314	181	12-Nov-21 A	05-Oct-22	-			
ad Works and Su		278	145	12-Nov-21 A	30-Aug-22				
Road Works and S S2-RW1012	Surface Furniture Sand blasting works and waterproofing for centre reserve (CE No.194 & No.207) (NCE No.176) (NCE No.182)	278 65	145 12	12-Jan-22 A 18-Jan-22 A	30-Aug-22 25-Apr-22	75%		San	d blasting works and waterproofir
S2-RW1062	Installation of lighting cabinet and traffic sign post	28	15	12-Jan-22 A	05-May-22	80%			Installation of lig
S2-RW1067	Installation of the balustrade	45	45	07-Jul-22	27-Aug-22	0%			
S2-RW1067	Waterproofing and soiling for planter type 1 and type 2	15	15	08-Apr-22	28-Apr-22	0%			<ul> <li>Waterproofing and soiling for p</li> </ul>
S2-RW1000	Waterproofing for footpath	4	4	26-Apr-22	29-Apr-22	0%		_	Waterproofing for footpath
S2-RW1070	Road surfacing for footpath	15	15	06-May-22	23-Apr-22 24-May-22	0%			
S2-RW1071	Paving block laying for footpath	50	50	25-May-22	23-Jul-22	0%			
S2-RW1072	Waterproofing for cycle track	4	4	30-Apr-22	05-May-22	0%			Waterproofing fo
S2-RW1073-1 S2-RW1074	Sandblasting and primer for carriageway (Delay due to shortage of worker affected by COVID-19)	25	20	05-Feb-22 A	05-May-22	35%			Sandblasting and
	Waterproofing for carriageway		4			0%			Wate
S2-RW1074-2		4		06-May-22	11-May-22			Transportation	1 of cooker to Hong Kong (1st bat
S2-RW1074-5	Transportation of cooker to Hong Kong (1st batch 6nos target on 20 Apr 22, others on 30 Apr 22 due to border problem)	0	0	21.4.22	20-Apr-22*	0%		-	<ul> <li>Assembly and adjustmentof the</li> </ul>
S2-RW1074-52		7	7	21-Apr-22	28-Apr-22	0%			Assembly and adjustmentor the
S2-RW1074-6	Site trial by Cooker for MA	7	7	29-Apr-22	07-May-22	0%			She that by C
S2-RW1075	Road pavement for cycle track at Steel Bridge	18	18	10-May-22	30-May-22	0%			
S2-RW1076	Road pavement for carriageway at Steel Bridge	27	27	31-May-22	02-Jul-22	0%			
S2-RW1077	Irrigation system for planter type 2	12	12	04-Jul-22	16-Jul-22	0%			
S2-RW1140	Installation of isolation steel post	45	0	24-Jan-22 A	25-Mar-22 A		Installation of isolation ste	l post	
S2-RW1160	Installation of L3 railing	50	50	04-Jul-22	30-Aug-22	0%			
S2-RW1202	Installation of isolation PMMA panel	20	20	04-Jul-22	26-Jul-22	0%			
abrication and De S2-CB5540	Invery Works Fabrication and delivery of steel post and transom for L3 parapet	161 60	45 30	12-Nov-21 A 07-Mar-22 A	06-Jun-22 18-May-22	50%			
S2-CB5540	Fabrication and delivery of steel works for isolation panel	60	40	12-Nov-21 A	30-May-22	55%			
S2-CB5580	Fabrication of PMMA panel	90	40	09-Feb-22 A	06-Jun-22	40%			
Iding & Painting		136	75	03-Jan-22 A	12-Jul-22	4070			
Preparation Works		6	6	07-Jun-22	13-Jun-22				
Activation of the Pe S2-SB1520	andulum Bearing Activation of permanent bearing and removal of temporary jacks from the Pier W1 (after completion of transition section)	6	6 6	07-Jun-22 07-Jun-22	13-Jun-22 13-Jun-22	0%			
Painting of the Ring		113	75	07-Jun-22 A	13-Jul-22	070			
S2-SB2045	Painting of the west side span ring weld (inside) (bottom part) (NCE No.181)	115	18	08-Apr-22	03-May-22	0%			Painting of the west s
S2-SB2065	Painting of the east side span ring weld (inside) (bottom part) (NCE No.181)	18	0	16-Mar-22 A	06-Apr-22 A	100%		ainting of the east side span ring weld (in	side) (bottom part) (NCE No.181)
S2-SB2072	Top coating of the steel deck (east span) (NCE No.181)	75	10	08-Jan-22 A	22-Apr-22	80%		Top coati	ng of the steel deck (east span) (No
S2-SB2076	Top coating of the steel deck (west span) (NCE No.181)	75	15	08-Jan-22 A	28-Apr-22	60%			Top coating of the steel deck (w
S2-SB2080	Top coating of the steel deck (main span) (NCE No.181)	98	75	08-Jan-22 A	12-Jul-22	30%			
S2-SB2100	Painting repair of the arch rib (Internal)	45	35	07-Apr-22 A	15-Jun-22	20%	•		
Removal of the Ter	mporary Supports at W1 & E1	118	45	03-Jan-22 A	06-Jun-22				
S2-SB2220	Removal of the temporary supports at W1	10	5	04-Jan-22 A	13-Apr-22	35%		Removal of the temporary s	upports at W1
S2-SB2240	Removal of the temporary supports at W2	1	1	23-May-22	23-May-22	0%			
S2-SB2260	Removal of the temporary supports at E1	10	4	03-Jan-22 A	12-Apr-22	40%		Removal of the temporary sup	ports at E1
S2-SB2280	Removal of the temporary supports at E2	1	1	06-Jun-22	06-Jun-22	0%			
	eel-Concrete Transition Zone	33	33	25-Apr-22	04-Jun-22				
S2-CT1090	west side transition Threading and stressing of the PT bar at transition section (remaining 4nos)	22	22 7	25-Apr-22 25-Apr-22	21-May-22 03-May-22	0%			Threading and stress
S2-CT1090	Welding of the box out on steel deck (remaining middle area at top deck)	14	14	04-May-22	20-May-22	0%			-,
S2-CT1005	Removal of the temporary jacks from the Pier W2	1	14	21-May-22	20-May-22 21-May-22	0%			
52 011100		1		21 19my-22	2. 19my 22	070			

	June 2022		July 2022
22	29 05 12	19 26	03 10
I	Irrigation system	n for planter type 2	
		Planting work	s for planter type 1 and 2
ation and delive	Fabrication and Deliver ry of steel post and transom for L3 parag	•	
	<ul> <li>Fabrication and delivery of steel work</li> </ul>		
	Fabrication of PMMA	-	
	Construction of Sign	Gantries	
very of sign gan	✓ Installation Works try post at E7-EA, E3-E4 & W3-W2 (N	CE No 179: target to He	ong Kong 19 May 22)
	allation of sign gantry post at E7-EA, E3		(ing 10 may 22)
	Survey of gantry on site		
	Installation of sign ga	ntry transom	
erve (CE No.19	4 & No.207) (NCE No.176) (NCE No.	182)	
d traffic sign pos	st		
d type 2			
Road surfa	acing for footpath		
ageway (Delay)	due to shortage of worker affected by C	OVID-19)	
urriageway	6 ,	- /	
	ers on 30 Apr 22 due to border problem	)	
	Road pavement for cycle track at Stee	el Bridge	
			Road pavement fo
	Fabrication and Deliver	v Works	
ation and delive	ry of steel post and transom for L3 parag		
	Fabrication and delivery of steel work	*	
	Fabrication of PMMA	oanel	
	Preparati	on Works	
	Activation	n of the Pendulum Bear	ing and removal of tempora
		permanent bearing	
eld (inside) (bott	om part) (NCE No.181)		
N. 101			
E No.181)			
	Pain	ing repair of the arch rit	(Internal)
	Removal of the Tempo		
	are reinpo	, <sub>11</sub>	
Removal of	the temporary supports at W2		
	Removal of the tempor		
Construction of	Construction of Steel-Conc the west side transition	rete Transition Zone	
	ction (remaining 4nos)		
-	x out on steel deck (remaining middle a	rea at top deck)	
Removal of the	temporary jacks from the Pier W2		
	Revision	Checked	Approved
3MF	RP (Apr 22 - Jul 22)		

Construction of the	ActivityName	Original Duration	Remaining Duration	Start	Finish	Physical % Complete		~	April 2022 10 17 24	01
	e east side transition	22	22	10-May-22	04-Jun-22	Conpies	27	03	10 17 24	01 06
S2-CT1215	Threading and stressing of the PT bar at transition section (remaining 4nos)	7	7	10-May-22	17-May-22	0%				
S2-CT1216	Welding of the box out on steel deck (remaining middle area at top deck)	14	14	18-May-22	02-Jun-22	0%				
S2-CT1220	Removal of the temporary jacks from the Pier E2	1	1	04-Jun-22	04-Jun-22	0%				
	Norks for CBL Main Bridge and Marine Viaduct	195	145	27-Jan-22 A	05-Oct-22					
UBG and AIC		128	57 57	27-Jan-22 A 07-May-22	15-Jul-22 15-Jul-22					*
S2-EM1320	Installation of the Arch Inspection Cradle (shortage of worker delayed due to COVID-19: target start on 7 May 22)	27	27	07-May-22*	09-Jun-22	0%				
S2-EM1340	Testing of the AIC	30	30	10-Jun-22	15-Jul-22	0%				
UBG		116	3	27-Jan-22 A	30-Jun-22					
Testing of the UBG a	and SAT ) Testing of the UBG	116 30	3 0	27-Jan-22 A 27-Jan-22 A	30-Jun-22 02-Apr-22 A	100%		Testing of	f the UBG	
S2-EM1300		3	3	28-Jun-22	30-Jun-22	0%		0		
Installation of Othe		100	100	07-Jun-22	05-Oct-22	070				
S2-EM1380	Dehumidification system installaion in the stay cables	100	100	07-Jun-22	17-Jun-22	0%				
S2-EM1400	Commission and testing of the dehumidification system	90	90	18-Jun-22	05-Oct-22	0%				
SHMS installation	о , ,	85	85	08-Apr-22	23-Jul-22					
S2-EM1361	Installation of STR-W protective box and laying of cables	20	20	08-Apr-22	05-May-22	0%				Installation of STR-W
S2-EM1362	Cable laying from stormwater planting room to bridge deck	15	15	06-May-22	24-May-22	0%				
S2-EM1363	Installation of instruments (accelerometers, inclinometers etc)	15	15	25-May-22	11-Jun-22	0%				
S2-EM3140	Laying of dynamic systems	21	21	13-Jun-22	07-Jul-22	0%				
S2-EM3140	Sensor connected with PXI to access system building service	14	14	08-Jul-22	23-Jul-22	0%				
		309	96	01-Dec-21 A	05-Aug-22	078				
<mark>I Works</mark> M Works in Porti		309	96	01-Dec-21 A 01-Dec-21 A	05-Aug-22 05-Aug-22					
load Lighting		75	75	07-May-22	05-Aug-22					
S2-EM1500	Road Lighting works at W5-W2	37	37	23-Jun-22	05-Aug-22	0%				
S2-EM1560	Road Lighting works at E2-EA	37	37	07-May-22	21-Jun-22	0%				
S2-EM1620	Road Lighting works at W2-E2	37	37	30-May-22	13-Jul-22	0%				
ier Head Lighting	Installation at Piers W5-EA	105	91	19-Mar-22 A	30-Jul-22					
S2-EM3040	Pier Head Lighting Installation at Piers W2-W5	101	86	19-Mar-22 A	25-Jul-22	15.8%		_		
S2-EM3060	Pier Head Lighting Installation at Piers E2-EA	105	91	19-Mar-22 A	30-Jul-22	15.2%		_		
S2-EM3080	Pier Head Lighting Installation at Piers WI-E1	96	90	19-Mar-22 A	29-Jul-22	16.6%		_		
ixed Red Lighting	Installation at Piers W1-E1	38	38	16-Jun-22	30-Jul-22					
S2-EM3100	Installation of Pier Head Lighting	38	38	16-Jun-22	30-Jul-22	0%				
CADA System S5-PR3240	FAT preparation	168 75	84 40	23-Dec-21 A 23-Dec-21 A	22-Jul-22 30-May-22	55%				
S5-PR3260	FAT and deliver to Site	12	12	31-May-22	14-Jun-22	0%				
S5-PR3280	Installation of cable containment	20	20	21-Apr-22	16-May-22	0%				
S5-PR3300	Equipment cabling & wiring completion for termination	20	20	11-May-22	02-Jun-22	0%				
S5-PR3320	Rack & Equipment on site installation	14	14	15-Jun-22	30-Jun-22	0%				
S5-PR3340	Equipment & RIOU panel termination	18	18	02-Jul-22	22-Jul-22	0%				
S5-PR3360	Optical fibre cable laying	60	60	30-Apr-22	13-Jul-22	0%			-	
avigation Lighting		72	60	19-Mar-22 A	23-Jun-22					
S2-EM1630	Navigation Lighting Installation at Piers WI-E1	72	60	19-Mar-22 A	23-Jun-22	22%				
	at Piers W1-E1	88	70	19-Mar-22 A	06-Jul-22					
				19-Mar-22 A	06-Jul-22	18%				
	Avigation Lighting Installation at Piers W1-E1	88	70	1)-ividi-22 A	00 Jul 22				Y-	
S2-EM1700 Inctional Lighting	g at Piers W1-E1	90	90	09-Apr-22	30-Jul-22	00/				
S2-EM1700 Inctional Lighting S2-EM1760	g at Piers W1-E1 Equipment Installation of Functional Light	90 90	90 90	09-Apr-22 09-Apr-22	30-Jul-22 30-Jul-22	0%				
S2-EM1700 Inctional Lighting S2-EM1760 ghtning System a	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System	90 90 116	90 90 70	09-Apr-22 09-Apr-22 27-Jan-22 A	30-Jul-22 30-Jul-22 06-Jul-22					
S2-EM1700 Inctional Lighting S2-EM1760 ghtning System a S2-EM1940	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation	90 90 116 94	90 90 70 70	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A	30-Jul-22 30-Jul-22 06-Jul-22 06-Jul-22	30.3%				
S2-EM1700 Inctional Lighting S2-EM1760 ghtning System S2-EM1940 S2-EM1980	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge	90 90 116 94 50	90 90 70 70 50	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22	30-Jul-22 30-Jul-22 06-Jul-22 06-Jul-22 27-Jun-22	30.3% 0%				
S2-EM1700 Inctional Lighting S2-EM1760 ghtning System a S2-EM1940 S2-EM1980 S2-EM1985	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge Installation of earthing tape at Portion VI	90 90 116 94 50 49	90 90 70 70 50 49	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22	30-Jul-22 30-Jul-22 06-Jul-22 06-Jul-22 27-Jun-22 30-Jun-22	30.3%				
S2-EM1700           Inctional Lighting           S2-EM1760           ghtning System i           S2-EM1940           S2-EM1980           S2-EM1985           S2-EM1985	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge Installation of earthing tape at Portion VI al Work	90 90 116 94 50 49 243	90 90 70 70 50 49 42	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dcc-21 A	30-Jul-22 30-Jul-22 06-Jul-22 06-Jul-22 27-Jun-22 30-Jun-22 01-Jun-22	30.3% 0%		te Deck	Cell at Piers W2-W5	
S2-EM1700 Inctional Lighting S2-EM1760 ghtning System a S2-EM1940 S2-EM1980 S2-EM1985 sck Cell - Eretctri	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge Installation of earthing tape at Portion VI	90 90 116 94 50 49	90 90 70 70 50 49	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22	30-Jul-22 30-Jul-22 06-Jul-22 06-Jul-22 27-Jun-22 30-Jun-22	30.3% 0%			Cell at Piers W2-W5 Cell at Piers W2-W5 (Delay due to shortage of	worker affected by COVID-19)
S2-EM1700 Inctional Lighting S2-EM1760 S2-EM1940 S2-EM1980 S2-EM1985 S2	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge Installation of earthing tape at Portion VI ial Work Bit at Piers W2-W5 Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19)	90 90 116 94 50 49 243 76	90 90 70 70 50 49 42 0	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dcc-21 A 01-Dcc-21 A	30-Jul-22 30-Jul-22 06-Jul-22 27-Jun-22 30-Jun-22 01-Jun-22 30-Mar-22 A	30.3% 0% 0%	Concre	ete Deck		worker affected by COVID-19)
S2-EM1700 Inctional Lighting S2-EM1760 S2-EM1940 S2-EM1980 S2-EM1985 S2-EM1985 S2-CM1985 S2-EM1985 S2-EM1240	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge Installation of earthing tape at Portion VI ial Work Bit at Piers W2-W5 Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19)	90         90           90         90           116         94           50         49           243         76           76         76	90 90 70 70 50 49 42 0 0	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dec-21 A 01-Dec-21 A	30-Jul-22 30-Jul-22 06-Jul-22 27-Jun-22 30-Jun-22 01-Jun-22 30-Mar-22 A 30-Mar-22 A	30.3% 0% 0%	Concre Concre	ete Deck ete Deck	Cell at Piers W2-W5 (Delay due to shortage of	
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S2-EM1700 Inctional Lighting S2-EM1760 ghtning System i S2-EM1980 S2-EM1985 S2-EM1985 S2-EM1985 S2-EM1985 S2-EM1240 Concrete Deck Ce S1-EM1240	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge Installation of earthing tape at Portion VI ial Work Bit at Piers W2-W5 Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19) Bit at Piers E2-EA E2-EA - Lighting fitting and wiring accessories installation S1-EM1320 (Shortage of worker affected by COVID-19)	90         90           90         90           116         94           50         49           243         76           76         52           52         52	90 90 70 50 49 42 0 0 0 0 0	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dec-21 A 01-Dec-21 A 01-Dec-21 A 31-Dec-21 A	30-Jul-22 30-Jul-22 06-Jul-22 27-Jun-22 30-Jun-22 01-Jun-22 30-Mar-22 A 30-Mar-22 A 30-Mar-22 A	30.3% 0% 0%	Concre Concre	ete Deck ete Deck	Cell at Piers W2-W5 (Delay due to shortage of Cell at Piers E2-EA	-EM1320 (Shortage of worker al
S2-EM1700           unctional Lighting           S2-EM1760           ghtning System a           S2-EM1940           S2-EM1940           S2-EM1980           S2-EM1985           sck Cell - Eretctrin           Concrete Deck Ce           S1-EM1240           Concrete Deck Ce           S1-EM1320           Steel Bridge Deck           S1-EM1360           Steel Deck Cell at	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge Installation of earthing tape at Portion VI at Work eff at Piers W2-W5 Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19) eff at Piers E2-EA E2-EA - Lighting fitting and wiring accessories installation S1-EM1320 (Shortage of worker affected by COVID-19) eff at Piers W1-E1 Main Span (Steel) Piers W1-E1 Main Span (Steel) - installation of lighting fitting and wiring accessories (COVID-19: shortage of worker) Piers W1-W2 West Side Span Deck	90         90           90         90           116         94           50         49           243         76           76         52           52         52           58         58           87         87	90         90           90         70           70         50           49         42           0         0           0         0           22         22           42         42	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dec-21 A 01-Dec-21 A 01-Dec-21 A 31-Dec-21 A 31-Dec-21 A 05-Feb-22 A 05-Feb-22 A 16-Dec-21 A	30-Jul-22           30-Jul-22           06-Jul-22           06-Jul-22           27-Jun-22           30-Jun-22           01-Jun-22           01-Jun-22           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           07-May-22           07-May-22           01-Jun-22           01-Jun-22	30.3% 0% 0% 100% 100% 25%	Çoncr Çoncr E2-EA	ete Deck ete Deck A - Lighti	Cell at Piers W2-W5 (Delay due to shortage of Cell at Piers E2-EA ng fitting and wiring accessories installation SI	-EM1320 (Shortage of worker at Steel Bridge Decl Piers WI-E1 Mar
S2-EM1700 Inctional Lighting S2-EM1760 ghtning System i S2-EM1940 S2-EM1980 S2-EM1985 sck Cell - Eretctri Concrete Deck Ce S1-EM1240 Concrete Deck Ce S1-EM1320 Steel Bridge Deck S1-EM1360 Steel Deck Cell at S1-EM1400	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge Installation of earthing tape at Main Bridge Installation of earthing tape at Portion VI ial Work Bit at Piers W2-W5 Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19) Bit At Piers E2-EA E2-EA - Lighting fitting and wiring accessories installation S1-EM1320 (Shortage of worker affected by COVID-19) Cell at Piers W1-E1 Main Span (Steel) Piers W1-E1 Main Span (Steel) - installation of lighting fitting and wiring accessories (COVID-19: shortage of worker) Piers W1-W2 West Side Span Deck Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)	90         90           90         90           116         94           50         49           243         76           76         52           52         52           58         58           87         46	90         90           90         90           70         50           49         42           0         0           0         0           22         22           42         0	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dec-21 A 01-Dec-21 A 01-Dec-21 A 31-Dec-21 A 31-Dec-21 A 05-Feb-22 A 16-Dec-21 A	30-Jul-22           30-Jul-22           06-Jul-22           06-Jul-22           27-Jun-22           30-Jun-22           01-Jun-22           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           01-Jun-22           07-May-22           07-May-22           01-Jun-22           24-Mar-22 A	30.3% 0% 0% 100% 25% 100%	Çoncr Çoncr E2-EA	ete Deck ete Deck A - Lighti	Cell at Piers W2-W5 (Delay due to shortage of Cell at Piers E2-EA	-EM1320 (Shortage of worker at Steel Bridge Decl Piers WI-E1 Mar
S2-EM1700 unctional Lighting S2-EM1760 S2-EM1760 S2-EM1940 S2-EM1980 S2-EM1985 sck Cell - Eretctri Concrete Deck Ce S1-EM1240 Concrete Deck Cell S1-EM1320 Steel Bridge Deck S1-EM1360 Steel Deck Cell at	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge Installation of earthing tape at Portion VI at Work eff at Piers W2-W5 Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19) eff at Piers E2-EA E2-EA - Lighting fitting and wiring accessories installation S1-EM1320 (Shortage of worker affected by COVID-19) eff at Piers W1-E1 Main Span (Steel) Piers W1-E1 Main Span (Steel) - installation of lighting fitting and wiring accessories (COVID-19: shortage of worker) Piers W1-W2 West Side Span Deck	90         90           90         90           116         94           50         49           243         76           76         52           52         52           58         58           87         87	90         90           90         70           70         50           49         42           0         0           0         0           22         22           42         42	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dec-21 A 01-Dec-21 A 01-Dec-21 A 31-Dec-21 A 31-Dec-21 A 05-Feb-22 A 05-Feb-22 A 16-Dec-21 A	30-Jul-22           30-Jul-22           06-Jul-22           06-Jul-22           27-Jun-22           30-Jun-22           01-Jun-22           01-Jun-22           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           07-May-22           07-May-22           01-Jun-22           01-Jun-22	30.3% 0% 0% 100% 100% 25%	Çoncr Çoncr E2-EA	ete Deck ete Deck A - Lighti	Cell at Piers W2-W5 (Delay due to shortage of Cell at Piers E2-EA ng fitting and wiring accessories installation SI	-EM1320 (Shortage of worker at Steel Bridge Decl Piers W1-E1 Mar (Shortage of worker affected by
S2-EM1700 inctional Lighting S2-EM1760 ghtning System i S2-EM1940 S2-EM1980 S2-EM1985 eck Cell - Eretctri Concrete Deck Ce S1-EM1240 Concrete Deck Cel S1-EM1360 Steel Bridge Deck S1-EM1360 Steel Deck Cell at S1-EM1420 Steel Deck Cell at	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge Installation of earthing tape at Main Bridge Installation of earthing tape at Portion VI ial Work ell at Piers W2-W5 Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19) ell at Piers W2-W5 Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19) ell at Piers W1-E1 Main Span (Steel) Piers W1-E1 Main Span (Steel) - installation of lighting fitting and wiring accessories (COVID-19: shortage of worker) Piers W1-W2 West Side Span Deck Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19) Steel Deck Cell at Piers W1-W2 West Side Span - installation of lighting fitting and wiring accessories Piers E1-E2 East Side Span Deck	90         90           90         90           116         94           50         49           243         76           76         52           52         52           58         58           87         46           50         60	90         90           90         90           70         50           49         42           0         0           0         0           22         22           42         0           42         0           42         0           42         0           42         0           42         25	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dcc-21 A 01-Dcc-21 A 01-Dcc-21 A 31-Dcc-21 A 31-Dcc-21 A 05-Fcb-22 A 16-Dcc-21 A 16-Dcc-21 A 16-Dcc-21 A 25-Mar-22 A 31-Jan-22 A	30-Jul-22 30-Jul-22 06-Jul-22 27-Jun-22 30-Jun-22 30-Jun-22 30-Mar-22 A 30-Mar-22 A 30-Mar-22 A 30-Mar-22 A 07-May-22 07-May-22 01-Jun-22 24-Mar-22 A 01-Jun-22 12-May-22	30.3% 0% 0% 100% 100% 25% 100% 18%	Çoncr Çoncr E2-EA	ete Deck ete Deck A - Lighti	Cell at Piers W2-W5 (Delay due to shortage of Cell at Piers E2-EA ng fitting and wiring accessories installation SI	-EM1320 (Shortage of worker at Steel Bridge Decl Piers W1-E1 Mai (Shortage of worker affected by Steel D
S2-EM1700 unctional Lighting S2-EM1760 S2-EM1960 S2-EM1980 S2-EM1985 sck Cell - Eretctri Concrete Deck Cel S1-EM1240 Concrete Deck Cel S1-EM1320 Steel Bridge Deck S1-EM1360 Steel Deck Cell at S1-EM1420 Steel Deck Cell at S1-EM1420 Steel Deck Cell at S1-EM1460	g at Piers W1-E1         Equipment Installation of Functional Light         and Main Earthing System         Lightning tape installation         Installation of earthing tape at Main Bridge         Installation of earthing tape at Main Bridge         Installation of earthing tape at Portion VI         ial Work         Bl at Piers W2-W5         Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19)         Bl at Piers E2-EA         E2-EA - Lighting fitting and wiring accessories installation S1-EM1320 (Shortage of worker affected by COVID-19)         Cell at Piers W1-E1 Main Span (Steel)         Piers W1-E1 Main Span (Steel) - installation of lighting fitting and wiring accessories (COVID-19: shortage of worker)         Piers W1-W2 West Side Span Deck         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage	90         90           90         90           116         94           50         49           243         76           76         52           52         52           58         58           87         46           50         60           60         60	90         90           90         90           70         70           50         49           42         0           0         0           22         22           42         0           42         0           42         25           25         25	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dec-21 A 01-Dec-21 A 01-Dec-21 A 31-Dec-21 A 05-Feb-22 A 16-Dec-21 A 16-Dec-21 A 25-Mar-22 A 31-Jan-22 A	30-Jul-22           30-Jul-22           30-Jul-22           06-Jul-22           27-Jun-22           30-Jun-22           01-Jun-22           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           07-May-22           07-May-22           01-Jun-22           24-Mar-22 A           01-Jun-22           24-Mar-22 A           01-Jun-22           24-Mar-22 A           01-Jun-22           24-Mar-22 A           01-Jun-22           12-May-22           12-May-22	30.3% 0% 0% 100% 25% 100%	Çoncr Çoncr E2-EA	ete Deck ete Deck A - Lighti	Cell at Piers W2-W5 (Delay due to shortage of Cell at Piers E2-EA ng fitting and wiring accessories installation SI	-EM1320 (Shortage of worker at Steel Bridge Decl Piers W1-E1 Mar (Shortage of worker affected by
S2-EM1700 unctional Lighting S2-EM1760 S2-EM1960 S2-EM1980 S2-EM1980 S2-EM1985 sck Cell - Eretctri Concrete Deck Cel S1-EM1240 Concrete Deck Cel S1-EM1360 Steel Deck Cell at S1-EM1420 S1-EM1420 Steel Deck Cell at S1-EM1460	g at Piers W1-E1 Equipment Installation of Functional Light and Main Earthing System Lightning tape installation Installation of earthing tape at Main Bridge Installation of earthing tape at Main Bridge Installation of earthing tape at Portion VI ial Work ell at Piers W2-W5 Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19) ell at Piers W2-W5 Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19) ell at Piers W1-E1 Main Span (Steel) Piers W1-E1 Main Span (Steel) - installation of lighting fitting and wiring accessories (COVID-19: shortage of worker) Piers W1-W2 West Side Span Deck Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19) Steel Deck Cell at Piers W1-W2 West Side Span - installation of lighting fitting and wiring accessories Piers E1-E2 East Side Span Deck	90         90           90         90           116         94           50         49           243         76           76         52           52         52           58         58           87         46           50         60	90         90           90         90           70         50           49         42           0         0           0         0           22         22           42         0           42         0           42         0           42         0           42         0           42         25	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dcc-21 A 01-Dcc-21 A 01-Dcc-21 A 31-Dcc-21 A 31-Dcc-21 A 05-Fcb-22 A 16-Dcc-21 A 16-Dcc-21 A 16-Dcc-21 A 25-Mar-22 A 31-Jan-22 A	30-Jul-22           30-Jul-22           06-Jul-22           06-Jul-22           27-Jun-22           30-Jun-22           01-Jun-22           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           07-May-22           07-May-22           01-Jun-22           24-Mar-22 A           01-Jun-22           01-Jun-22           12-May-22	30.3% 0% 0% 100% 100% 25% 100% 18%	Çoncr Çoncr E2-EA	ete Deck ete Deck A - Lighti	Cell at Piers W2-W5 (Delay due to shortage of Cell at Piers E2-EA ng fitting and wiring accessories installation SI	-EM1320 (Shortage of worker at Steel Bridge Decl Piers W1-E1 Mai (Shortage of worker affected by Steel D
S2-EM1700 unctional Lighting S2-EM1760 ghtning System i S2-EM1940 S2-EM1980 S2-EM1985 seck Cell - Eretctri Concrete Deck Cel S1-EM1240 Steel Bridge Deck S1-EM1360 Steel Deck Cell at S1-EM1400 S1-EM1420 Steel Deck Cell at S1-EM1460 Steel Deck Cell at S1-EM1460	g at Piers W1-E1         Equipment Installation of Functional Light         and Main Earthing System         Lightning tape installation         Installation of earthing tape at Main Bridge         Installation of earthing tape at Main Bridge         Installation of earthing tape at Portion VI         ial Work         Bl at Piers W2-W5         Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19)         Bl at Piers E2-EA         E2-EA - Lighting fitting and wiring accessories installation S1-EM1320 (Shortage of worker affected by COVID-19)         Cell at Piers W1-E1 Main Span (Steel)         Piers W1-E1 Main Span (Steel) - installation of lighting fitting and wiring accessories (COVID-19: shortage of worker)         Piers W1-W2 West Side Span Deck         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage	90         90           90         90           116         94           50         49           243         76           76         52           52         52           58         58           87         46           50         60           60         60	90         90           90         90           70         70           50         49           42         0           0         0           22         22           42         0           42         0           42         25           25         25	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dec-21 A 01-Dec-21 A 01-Dec-21 A 31-Dec-21 A 05-Feb-22 A 16-Dec-21 A 16-Dec-21 A 25-Mar-22 A 31-Jan-22 A	30-Jul-22           30-Jul-22           30-Jul-22           06-Jul-22           27-Jun-22           30-Jun-22           01-Jun-22           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           07-May-22           07-May-22           01-Jun-22           24-Mar-22 A           01-Jun-22           24-Mar-22 A           01-Jun-22           24-Mar-22 A           01-Jun-22           24-Mar-22 A           01-Jun-22           12-May-22           12-May-22	30.3% 0% 0% 100% 100% 25% 100% 18%	Çoncr Çoncr E2-EA	ete Deck ete Deck A - Lighti	Cell at Piers W2-W5 (Delay due to shortage of Cell at Piers E2-EA ng fitting and wiring accessories installation SI	-EM1320 (Shortage of worker at Steel Bridge Decl Piers W1-E1 Mai (Shortage of worker affected by Steel D Steel D
S2-EM1700 unctional Lighting S2-EM1760 S2-EM1940 S2-EM1980 S2-EM1985 s2-EM1985 s2-EM1985 s2-EM1985 s1-EM1240 Concrete Deck Cet S1-EM1320 Steel Bridge Deck S1-EM1360 Steel Deck Cell at S1-EM1420 Steel Deck Cell at S1-EM1420 Steel Deck Cell at S1-EM1420 Steel Deck Cell at S1-EM1460	g at Piers W1-E1         Equipment Installation of Functional Light         and Main Earthing System         Lightning tape installation         Installation of earthing tape at Main Bridge         Installation of earthing tape at Main Bridge         Installation of earthing tape at Portion VI         ial Work         Bl at Piers W2-W5         Concrete Deck Cell at Piers W2-W5 (Delay due to shortage of worker affected by COVID-19)         Bl at Piers E2-EA         E2-EA - Lighting fitting and wiring accessories installation S1-EM1320 (Shortage of worker affected by COVID-19)         Cell at Piers W1-E1 Main Span (Steel)         Piers W1-E1 Main Span (Steel) -         Piers W1-W2 West Side Span Deck         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Steel Deck Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Cell at Piers W1-W2 West Side Span - small cable wiring work (Shortage of worker affected by COVID-19)         Cell Deck Cell at Piers W1-W2 We	90         90           90         90           116         94           50         49           243         76           76         52           52         52           58         58           87         46           50         60           60         30	90 90 70 70 50 49 42 0 0 0 0 0 22 22 22 42 0 42 25 25 30	09-Apr-22 09-Apr-22 27-Jan-22 A 27-Jan-22 A 27-Apr-22 03-May-22 01-Dec-21 A 01-Dec-21 A 01-Dec-21 A 31-Dec-21 A 31-Dec-21 A 05-Feb-22 A 16-Dec-21 A 16-Dec-21 A 25-Mar-22 A 31-Jan-22 A 28-Jan-22	30-Jul-22           30-Jul-22           30-Jul-22           06-Jul-22           27-Jun-22           30-Jun-22           30-Jun-22           30-Jun-22           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           30-Mar-22 A           01-Jun-22           01-Jun-22           24-Mar-22 A           01-Jun-22           12-May-22           12-May-22           12-May-22           02-Aug-22	30.3% 0% 0% 100% 25% 100% 18% 35%	Steel Deck Cell at	ete Deck ete Deck - Lighti	Cell at Piers W2-W5 (Delay due to shortage of Cell at Piers E2-EA ng fitting and wiring accessories installation SI	-EM1320 (Shortage of worker at Steel Bridge Decl Piers W1-E1 Mai (Shortage of worker affected by Steel D

June 2022           22         29         05         12	19 26	July 2022 03 10
Construction of the east side and stressing of the PT bar at transition section (remain	ining 4nos)	
Welding of the box out on steel     Removal of the temporary		e;area at top deck)
1 /3		
Installation of the	Amh Increation Credie	(chartage of worker de)
	Arch hispection Cradie	(shortage of worker del
		<ul> <li>UBG</li> <li>Testing of the UBG at</li> </ul>
		SAT
· · · · · · · · · · · · · · · · · · ·	Jehumidification system	n installaion in the stay c
x and laying of cables		
Cable laying from stormwater planting room to br	idge deck	
Installation of	f instruments (acceleron	neters, inclinometers etc
		Laying
	Road Lighting v	vorks at E2-EA
	Koau Lighting v	VOIKS at EZ-EA
EAT preparation		
FAT an	d deliver to Site	
cable containment	muletion for termination	
Equipment cabling & winng co	inpletion for terminatio	Rack & Equipment or
	<ul> <li>Navigation 1</li> </ul>	Lighting at Piers W1-E1
		Lighting Installation at P
		Avigation Avigation
		▼ Lightning
	Inst	Lightning
		Installation of earthing
Deck Cell - Eretetrial Work		
/ID-19)		
W1-E1 Main Span (Steel) - installation of lighting fitting and wiring accessories	s (COVID-19: shortage	of worker)
▼ Steel Deck Cell at Piers W1-W2	West Side Span Deck	
Steel Deck Cell at Piers W1-W2	West Side Span - installa	ation of lighting fitting a
rs E1-E2 East Side Span Deck rs W1-W2 West Side Span - small cable wiring work	(Shortage of worker a	ffected by COVID-19)
	·	
Revision 3MRP (Apr 22 - Jul 22)	Checked	Approved

#### Data Date :08-Apr-22 Sheet 6of 6

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

1 001 0	And Balloon	Original Duration	Bonomining Duration	Short	Eirich	Dispiced 9/			A rol 2009	May2022
	Pullinký rval te	Original Dutatori	Renaring Duaton	Sat	rinsi	Complete	27	03	10 17 24	01 08 15 22
S1-EM1500	Power for Dehumidification System at Piers W1-E1	30	30	28-Jun-22	02-Aug-22	0%				
		47	47							
S1-EM1520	Gantry Lighting Installation at Piers W2 & E3	47	47	08-Jun-22	02-Aug-22	0%				
17M Information Si	ign Lighting Installation at Piers W1-E1	53	43	19-Mar-22 A	02-Jun-22					
S2-EM3020	17M Information Sign Lighting Installation at Piers W1-E1	53	43	19-Mar-22 A	02-Jun-22	30%				• •
tion 3 of the Wo	rks-Comprises All of the Landscape Works	100	100	20-May-22	16-Sep-22					·
	Landscape works for CBL bridge	100	100	20-May-22	16-Sep-22	0%				
tion 5 of the Wo	rks-All Works within Portion V (CBL E&M Plantroom)	600	93	30-Jul-20 A	02-Aug-22					
		60	0	30-Jul-20 A	30-Mar-22 A			emaining Wo	rk	
	Water works, pluming and drainage works	60	0	30-Jul-20 A	30-Mar-22 A	100%	W	/ater works,p	uming and drainage works	
aior Services Svs	stem	542	93	02-Oct-20 A	02-Aug-22					
			93		Ŭ	-				
S5-PR2570	UPS FAT	17	17	01-Mar-22 A	30-Apr-22	35%				UPS FAT
S5-PR2575	UPS delivery	50	50	03-May-22	02-Jul-22	0%				
S5-PR2580	UPS Installation (Including E&M Work)	26	26	04-Jul-22	02-Aug-22	0%				
Generator Room		378	38	02-Oct-20 A	18-Jun-22					
S5-PR2500	Generator Installation (Including E&M Work)	90	0	02-Oct-20 A	28-Mar-22 A	100%	Gener	rator Installati	on (Including E&M Work)	
S5-PR2515	Delivery of Genset Generator Control Cubicle (delay due to border problem, target to Hong Kong on 3 May 2022)	0	0		03-May-22*	0%				<ul> <li>Delivery of Genset Generator Control Cubi</li> </ul>
		18	18	04-May-22*		0%				
			20	•						
			-	20-1viay-22						
	-		0			0%				
			91							
S5-PR3500	Installation of cable containment at deck cell	220	28	02-Aug-21 A	16-May-22	62%				Installation of cal
S5-PR3520	Main cable laying at Main Bridge	65	28	16-Feb-22 A	15-Jun-22	27%				
S5-PR3540	Main cable laying at Main Bridge at Portion VI	50	50	30-Apr-22	30-Jun-22	0%			-	
S5-PR3560	Main cable termination (inside LV switchband)	25	25	02-Jul-22	30-Jul-22	0%				
S5-PR3580	Main cable termination (Main Bridge)	25	25	16-Jun-22	15-Jul-22	0%				
		20	5	11-Mar-22 A	13-Apr-22				<ul> <li>MVAC System</li> </ul>	
VAC System		18							~	
IVAC System	C System	38	5						<ul> <li>Installation of MVAC System</li> </ul>	
IVAC System Installation of MVA S5-PR2900	C System MVAC Testing and Commisioning	38 38 18	5 5	11-Mar-22 A 11-Mar-22 A	13-Apr-22 13-Apr-22	78.3%			Installation of MVAC System     MVAC Testing and Commissionin	20
	Gantry Lighting In S1-EM1520 17M Information S S2-EM3020 ettion 3 of the Wc emaining Work S5-PR2200 ajor Services Sys Electrical System UPS Room S5-PR2575 S5-PR2575 S5-PR2575 S5-PR2575 S5-PR2580 Generator Room S5-PR2515 S5-PR2515 S5-PR2510 S5-PR2540 S5-PR3500 S5-PR3540 S5-PR3540 S5-PR3540	Addition           S1-EM1500         Power for Dehumidification System at Piers W1-E1           Gantry Lighting Installation at Piers W2 & E3           S1-EM1520         Gantry Lighting Installation at Piers W2 & E3           17M Information Sign Lighting Installation at Piers W1-E1         S2-EM3020           17M Information Sign Lighting Installation at Piers W1-E1         S2-EM3020           17M Information Sign Lighting Installation at Piers W1-E1         S2-EM3020           17M Information Sign Lighting Installation at Piers W1-E1         S2-EM3020           17M Information Sign Lighting Installation at Piers W1-E1         S2-EM3020           17M Information Sign Lighting Installation at Piers W1-E1         S2-EM3020           17M Information Sign Lighting Installation at Piers W1-E1         S2-EM3020           17M Information Sign Lighting Installation at Piers W1-E1         S2-EM3020           17M Information Sign Lighting Installation at Piers W1-E1         S2-EM3020           17M Information Sign Lighting Installation at Piers W1-E1         S2-EM200           17M Information Sign Lighting Installation (CBL E&M Piers W1-E1         S2-EM200           19 Services System         S2-EM200           19 Services System         S2-EM200           19 Services System         S2-EM200           19 Services Services Generator Control Cubicle Miely Muork)         S2-FR2500     <	Adapter         Opper Date           S1-EM1500         Power for Dehumidification System at Piers W1-E1         30           Gattry Lighting Installation at Piers W2 & E3         47           S1-EM1520         Gantry Lighting Installation at Piers W2 & E3         47           TMI Information Sign Lighting Installation at Piers W1-E1         53           S2-EM020         17M Information Sign Lighting Installation at Piers W1-E1         53           stition 3 of the Works-Comprises All of the Landscape Works         100           -LW2000         Landscape works for CBL bridge         600           emisting Work         600         600           stition 5 of the Works-All Works within Portion V (CBL E&M Plantroom)         600           ajor Services System         542         600           UPS Room         101         101           S5-PR2200         Water works,pluming and drainage works         60           ajor Services System         542         101           S5-PR250         UPS FAT         17           S5-PR250         UPS Installation (Including E&M Work)         26           Generator Installation (Including E&M Work)         26           S5-PR2500         Generator Installation (Including E&M Work)         20           S5-PR2500         Generator Inst	Add/Name         Organ Data         Network Data           S1-EM1500         Power for Dehumidification System at Piers W1-E1         30         30           Gantry Lighting Installation at Piers W2 & E3         47         47           S1-EM1500         Gantry Lighting Installation at Piers W2 & E3         43         47           TXH Information Sign Lighting Installation at Piers W1-E1         53         43           S2-EM3020         17M Information Sign Lighting Installation at Piers W1-E1         53         43           S2-EM3020         17M Information Sign Lighting Installation at Piers W1-E1         53         43           S2-EM3020         17M Information Sign Lighting Installation at Piers W1-E1         50         100           LW2000         Landscape works for CBL bridge         100         100         100           LW2000         Matescape works for CBL bridge         600         0         0           S5 PR2200         Water works,planning and drainage works         600         0         0         0           S5 PR2200         Water works,planning and drainage works         600         0         0         0           Ganerator Edge System         101         93         93         93         93         93         93         93         93	Add/state         Upper Undate         State           S1-EM1500         Power for Dehumkification System at Piers W1-E1         30         30         28-Jun-22           Gantry Lighting Installation at Piers V2 & E3         47         47         69-Jun-22           S1-EM1500         Gantry Lighting Installation at Piers V2 & E3         47         67         08-Jun-22           17M Information Sign Lighting Installation at Piers W1-E1         53         43         19-Mar-22 A           S2:EM0200         ITM Information Sign Lighting Installation at Piers W1-E1         53         43         19-Mar-22 A           S2:EM0200         Lindscape works for CBL hidge         100         20-May-22         100         100         20-May-22           Scion 5 of the Works-All Works within Portion V (CBL E&M Plantroom)         600         93         30-Jul-20 A           atmating Work         60         0         30-Jul-20 A         30-Jul-20 A           ScPR2200         Ware workspluming and dminage works         64         93         01-Mar-22 A           ScPR2200         Ware workspluming and funinge works         54         93         02-Aba-20 A           ScPR2500         UPS Room         54         93         02-Aba-22 A           ScPR2570         UPS Room         50	Add/Use         Organization         Organization         Stat         Prest           S1-EM1500         Power for Dehumidification System at Piers W1-E1         30         30         22-Jun-22         02-Aug-22           Gardry Lighting Installation at Piers W2 & E3         47         47         06-Jun-22         02-Aug-22           S1-EM1520         Gardry Lighting Installation at Piers W2 & E3         47         47         06-Jun-22         02-Aug-22           S1-EM1520         Gardry Lighting Installation at Piers W2 & E3         47         47         06-Jun-22         02-Aug-22           S1EM1520         Gardry Lighting Installation at Piers W1-E1         53         43         19-Mus-22A         02-Aug-22           Livit O3 Of the Works-Comprises All of the Landscape Works         100         100         20-Mug-22         16-Sep-22           Livit O3 Of the Works-All Works within Portion V (CBL E&M Plantroom)         600         93         39-Jul-20A         30-Mus-22A           Livit O3 Of the Works-All Works within Portion V (CBL E&M Plantroom)         600         93-Jul-20A         30-Mus-22A           StPR2500         Wate works for CBL bridge         60         0         30-Jul-20A         30-Mus-22A           StPR2570         UPS Ford         17         17         01-Mus-22A         90-Apr0	Algebra         Orget Data         Neurophate         End         Protect         Protect           S1-EM1500         Power for Dehumidification System at Piers W1-E1         30         30         25-Jun-22         (02,Aug-22         (05,Aug-22         (05,Aug-22 </td <td>Addition         Operation         Operation         Data         Press         Press           S1-EM1500         Power for Dehandification System at Pers W1-E1         30         30         22-Jun-22         00-Aug-22         &lt;</td> <td>Index         Organization         State         Filter         Program         &lt;</td> <td>Calibra         Open Calibra         Open Calibra</td>	Addition         Operation         Operation         Data         Press         Press           S1-EM1500         Power for Dehandification System at Pers W1-E1         30         30         22-Jun-22         00-Aug-22         <	Index         Organization         State         Filter         Program         <	Calibra         Open Calibra

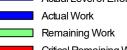
Remaining Level of Effort
Actual Work

Remaining Work

						June 2022					July 2022	
22		29		05		12		19		26	03	10
												_
		17	M Info	rmatior	ı Sigr	n Lighti	ng Ins	tallation	at Pie	rs W1	El	
								tallation				
											UPS deliver	у
							- Ge	nerator	Room			
ubicle (	delay du	e to bor	ler pro	hlem *	arget	to Hor	o Kon	0 0n 2 1	May 2	)22)		
	:										11 \	
Ge	enset Ger	nerator (	ontrol	Cubicl	le site					-		
							Ge	nerator	SAT &	& Testi	ng and Commisio	ning
							♦ Ac	complis	sh of C	Jenera	ior Installation	
f cable c	ontainm	ent at de	ck cell								:	
						<b>—</b> M	ain aak	ole layin	a ot N	lain D.	daa	
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			Revis				+	Che	cked	1	Approved	
	3MRP	(Apr	22	Jul 22	2)							

**Contract 2** 

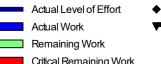
	Activity Name	Original Duration D	Actual Remain uration Dura	tion Calendar Start	Finish Late Start	Late Finish	Total TRA Float	Complete							2022		1.0			_	1 - 1 -		2023		_
2017/08 Programme	e Update (Nov 2021)	1399		504 31-Oct-18 A	25-Jul-23 19-Jul-21	30-Sep-23	58	Od	t Nov E	ec .	lan Feb	Mar	Apr	May	Jun	Jul Aug	Sep	Oct N	lov De	ec Jan	Feb N	/ar Apr	May	Jun	Jul
roject 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%								÷	1								
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%																	
n en	er Revised Contract Key Dates under CEs	1070		376 017/08(7 25-Jun-20 A		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	123	_																7 30-May-2	23, 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%						Plai		pletion of Key		Dete 1							
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%								lanned Comp		ctional Compl	plotion 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%										ectional Com	1			1			
PC1060	Planned Completion of Sectional Completion S2 Planned Completion of Sectional Completion S3	0	0	0 017/08(7	30-May-22	14-Apr-22	-46 0	0%						<b>r</b> =4	_			Completion S	· ;	-, ;		1			
PC1070	Planned Completion of Sectional Completion S4	0	0	0 017/08(7	30-May-23	14-Apr-23	-46 0	0%												·				Planned	Cor
PC1080	Planned Completion of Sectional Completion S5	0	0	0 017/08(7	18-Jun-22	14-Apr-22	-64 0	0%							Planr	i ned Completi	on of Secti	onal Complet	tion \$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				-	-					<u> </u>	· · ·			<del></del>			30-May-2	23, F
PCP1010	Planned Completion of Key Date 1	0	0	0 017/08(7	25-Jun-20	30-Sep-23	0	100%			-					1				1		-		. !	
PCP1020	Planned Completion of Key Date 2	0	0	0 017/08(7	19-May-22	18-Mar-22	-62 0	0%						Pla	nned Çom	pletion of Key	y Date 2,			1					
PCP1030	Planned Completion of Key Date 3	0	0	0 017/08(7	25-Jul-22	25-Jul-22	-1 0	0%										on of Key Da							
PCP1040	Planned Completion of Sectional Completion S1	0	0	0 017/08(7	24-Jun-22	04-Apr-22	-82 0	0%							Pla	1 1		ctional Comp							
PCP1050	Planned Completion of Sectional Completion S2	0	0	0 017/08(7	25-Jul-22	25-Jul-22	-1 0	0%										ion of Sectior		etion S2,					
PCP1060	Planned Completion of Sectional Completion S3	0	0	0 017/08(7	30-May-22	25-Jul-22	56 0	0%						<b>*</b>	Planned C	mpletion of	Sectional C	Completion S	.3,						
PCP1070	Planned Completion of Sectional Completion S4	0	0	0 017/08(7	30-May-23	25-Jul-23	56 0	0%								hd Com-let	ion of C-	nnal Carrel	ation 97					Planned	ú
PCP1080	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 0 169	U%							Plan	eu compieti	ni or secti	onal Complet	, CC 1101				14-Apr-28, F	Revised Co	unt-
CD1010	tes and Sectional Completion Dates under CEs S1 - Completion of All Works within Portion I	0	0	0 017/08(7 25-Jun-20 A	30-Mar-22*	30-Sep-23 30-Mar-22	0 0	0%					1 - Cam			within Portion							r+r-pr-∠p, ŀ	veviseu (Ol	110
CD1010	S1 - Completion of All Works within Portion I S2 - Completion of All Works within Portion II, III & IV and remainder of the W	0	0	0 017/08(7	30-Mar-22* 14-Apr-22*	30-Mar-22 14-Apr-22	0 0	0%										N and rem	ainder of t	the Works n	ot covered by	other Sort	ions		
CD1020	S3 - Completion of All Landscape Softworks	0	0	0 017/08(7	14-Apr-22*	14-Apr-22	0 0	0%								andscape Sof					in covered by		5113,		
CD1040	S4 - Completion of Establishement Works	0	0	0 017/08(7	14-Apr-23*	14-Apr-23	0 0	0%					• 00										S4 - Comple	ation of Est	tab
CD1050	S5 - Completion of Preservation and Protection of Exisiting Trees	0	0	0 017/08(7	14-Apr-22*	14-Apr-22	0 0	0%					→ S5-	; Compléti	on of Pres	; vation and l	Protection	of Exisitng Tr	rees.					1	
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%												1		1			
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%				<b>→</b> k	ev Date 2 -	Completi	ior of Worl	s within Porti	ion I,II,III &	V for TC\$S o	ofallĖ́&Mי	Works, Stree	et Lighting, T&	жC,			
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 I	Date 3 - 0	Completion	of All Works	within Port	ion I, II, III & IV	V,						
Possible Key Dates and S	Sectional Completion Dates under CEs	1126	0	494 017/08(7 25-Jun-20 A	25-Jul-23 18-Mar-22	30-Sep-23	68												—						-
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%														1			
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%				l⇒ k	ey Date 2 -	Completi	ion of Worl	s within Porti	ion I,II,III & I	V for TCSS o	√all Ė&M	Works, Stree	et Lighting, T&	кC,			
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 Da	te 3 - Com	pletion of All	Works with	thin 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%				4	🔶 S1 - Coi	npletion	of Al Work	s within Portic									
SCP0002	S2 - Completion of All Works within Portion II, III & IV and remainder of the W	0	0	0 017/08(7	25-Jul-22*	25-Jul-22	0 0	0%									1 1				and remainder	r of the Wor	ks not cover	ed by othe	ər
SCP0003	S3 - Completion of All Landscape Softworks	0	0	0 017/08(7	25-Jul-22*	25-Jul-22	0 0	0%								🍽 S3 - Co	mpletion c	f All Landsca	pe Softwo	orks,		-			
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 Exisiting Trees	0	0	0 017/08(7	25-Jul-22* 04-Mar-22 15-Dec-21	25-Jul-22 18-Mar-22	0 0	0%											n and Prot	otection of Ex	aşıtıng Irees,				
Access requirement for A	Complete all neccessary works for E&M and TCSS installation	0	0	75 30-Nov-21			12					Comp	al-22, Aues			celeration Mand TCS	S inctallatic			·····					
HO1010 HO1020	Provision of vehicular access to the contractor of C1	0	0	0 017/08(7	04-Mar-22 30-Nov-21	18-Mar-22 15-Dec-21	14 0 13	0%	-								Installatio	n,							
		1242	Ŭ	138 017/08(7 31-Oct-18 A		30-Sep-23	554	078					e contracto		and Methor	Statement,	Material S	libmissions							
	tatement, Material Submissions			•													Naterial St	UDITIISSIOIIIS							
Contractor's Design		1223	850	63 017/08(7 12-Jan-19 A			62						25-Mar-22,	Contract	tors Desigr										
AIP Submission	Alternative Designs - Prepare AIP Submission	247 14	208 33	0 017/08(7 12-Jan-19 A 0 017/08(7 12-Jan-19 A			0	100%				+													
AD1010	Alternative Designs - Prepare Air Submission Alternative Designs - Review and Comment of AIP by PM	21	19	0 017/08(7 12-Jan-19 A		-	0	100%														1			
AD1020	Alternative Designs - Review and Comment of All by HyD	21	66	0 017/08(7 05-Mar-19 A	-	-	0	100%		1										1 1 1		1			
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-19 A			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%				1					1								
DDA Submission		381	392	0 017/08(7 29-Jan-19 A		-				-															
Elevated Deck and U-		220	200	0 017/08(7 29-Jan-19 A							-									1		1 1 1			
AD1030	Alternative Designs - Prepare DDA Submission to Relevant Authorities (Eleva	21	50	0 017/08(7 29-Jan-19 A			0	100%																	
AD1035	Alternative Designs - Review and Comment of DDA (Elevated Deck and U-trc	7	1	0 017/08(7 20-Mar-19 A			0	100%				<b> </b>		<b></b>	<b>    </b>	<b>.</b>									
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 (Rev.A)	7	9	0 017/08(7 09-Apr-19A			0	100%																	
<ul> <li>AD1038</li> <li>AD1039</li> </ul>	Alternative Designs - Prepare DDA Submission (Elevated Deck and U-trough Alternative Designs - Review and Acceptance of DDA Submission (Rev.B)	14	9	0 017/08(7 10-Apr-19A 0 017/08(7 18-Apr-19A	18-Apr-19 27-Aug-21 18-Apr-19 27-Aug-21	-	0	100%																	
Response to CEDD		84	120	0 017/08(7 19-Apr-19 A	16-Aug-1 27-Aug-21		U	100 /0		-												1			
AD1230	Alternative Designs - Review and Comment of DDA (ED and UT) (21D for CE	21	56	0 017/08(7 19-Apr-19A			0	100%				†				<b>.</b>									
AD1250	Alternative Designs - Prepare DDA Submission (ED & UT, Response to CEDI	21	11	0 017/08(7 14-Jun-19 A			0	100%																	
AD1270	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	27-Aug-21	0	100%		1															
Response to HyD -		113	104	0 017/08(7 19-Apr-19A		-														1				1	
🚍 AD1040	Alternative Designs - Review and Comment of DDA (ED and UT) (21D for Hyl	21	22	0 017/08(7 19-Apr-19 A	10-May-1§ 27-Aug-21	27-Aug-21	0	100%		!	-					1									_
Actual Level of E	ffort	247	1.		Contract No.:	NE/2017/	08		1						Date		nthe D		Revision		121	Ch	ecked	App	or
Actual Work	summary $\pm \pi$	工程报	展署	Ci	ross Bay Link, 7	[seung Kw	van O								3-Mar-2			<b>v</b>		te (Mar 20	,			StL	_
					•	0								108	3 <b>-</b> May-2	1  Mo	nthy Prc	gramme	Update	e (May 20	J21)	CkT		StL	
Remaining Work													-												
<ul> <li>Remaining Work</li> <li>Critical Remaining</li> </ul>	CEDU CIVILE	ingineer	ing and Departm		Load D9 and Ass Page 1 of		vorks				ila	K	in	08	3-Jul-21	Mo	nthly Pro	ogramme	• Update	te (Jul 202	21)	CKT	ì	StL	







)	Activity Name	Original Duration	Actual Remaining Duration Duration	Calendar Start	Finish Late Start	Late Finish Total TI Float	RA Activity % Complete					2022		-,, -, -, -, -, -, -, -, -, -, -, -,			2023	
NCE130	NOE420 Extra Langth of DBSH at Dation L				20 Sep 22		· 00	Nov De	c Jan Fel	Mar Apr	May	Jun	Jul Aug Sep	Oct	Nov Dec	Jan Feb	Mar Apr Ma	y Jun J
-	NCE130 - Extra Length of PBSH at Portion I	0		0 017/08(7 11-Sep-20 A	30-Sep-23	0				+								
NCE131	NCE131 - Extra Length of PBSH at Portion III	0		0 017/08(7 11-Sep-20 A	30-Sep-23		100%											
NCE132	NCE132 - Additional Works for Left-in Steel Casing for PBSH at Cycle Track I	0		0 017/08(7 11-Sep-20 A	30-Sep-23	0	100% 020, 1	1-Sep 2D A										
NCE133	NCE133 - Additional Works for Left-in Steel Casing for PBSH at Lift and Stai	0		0 017/08(7 11-Sep-20 A	30-Sep-23	0	100%)20, 1	-Sep 20 A										
NCE134	NCE134 - Additional Works for Left-in Steel Casing for PBSH at Wan O Roac	0	0 0	0 017/08(7 11-Sep-20 A	30-Sep-23	0	100% A											
NCE135	NCE135 - Additional Point Load Test for Proof Drill Hole no. PC9,10-PD1	0	0 0	0 017/08(7 16-Sep-20 A	30-Sep-23	0	100%			<u></u>								
NCE136	NCE136 - Inclement Weather for the Period of 9 July 2020 to 8 August 2020	0	0 0	0 017/08(7 16-Sep-20 A	30-Sep-23	0	100%											
NCE137	NCE137 - Special Arrangement for Concrete Testing Services from the Public	0	0 0	0 017/08(7 08-Oct-20 A	30-Sep-23	0	100% 0 A											
NCE138	NCE138 - Inclement Weather for the Period of 9 August 2020 to 8 Septemb	0	0 0	0 017/08(7 16-Oct-20 A	30-Sep-23	0	100%											
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	20A										
NCE140	NCE140 - Uncharted Steel Materials Found at Pre-Bored Socketed H-Pile Nc	0	0 0	0 017/08(7 28-Oct-20 A	30-Sep-23	0	100% ad, 28	Cct-2CA										
NCE141	NCE141 - Uncharted Steel Materials Found at Pre-Bored Socketed H-Pile Nc	0		0 017/08(7 28-Oct-20 A	30-Sep-23	0	100% ad, 28	in an an an air an		++	+++++							
NCE142	NCE142 - Extra Length of Pre-Bored Socketed H-Piles at Lift and Staircase i	0		0 017/08(7 28-Oct-20 A	30-Sep-23	0												
NCE142	NCE143 - Additional Works for Left-in Steel Casing for 610mm PBSH at Lift ;	0	-	0 017/08(7 28-Oct-20 A	30-Sep-23	0		0 # 20 4										
-		0	-															
NCE144	NCE144 - Additional Works for Left-in Steel Casing for 610mm PBSH at War			0 017/08(7 28-Oct-20 A	30-Sep-23	0												
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		30-O¢1-201A		L								
NCE146	NCE146 - Inclement Weather for the Period of 9 September 2020 to 8 Octol	0	0 0	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 0	0 017/08(7 24-Nov-20 A	30-Sep-23	0	100% 2020,	24-Nov 20 A										
NCE149	NCE149 - Extra Length of Pre-Bored Socketed H-Piles at Wan O Road in Pc	0	0 0	0 017/08(7 25-Nov-20 A	30-Sep-23	0	100% 20 A											
NCE150	NCE150 - Inclement Weather for the Period of 9 October 2020 to 8 Novemb	0	0 0	0 017/08(7 08-Dec-20 A	30-Sep-23	0	100% Dec-2	DA										
NCE151	NCE151 - Additional Works for Left-in Steel Casing for 610mm PBSH at War	0	0 0	0 017/08(7 09-Feb-21 A	30-Sep-23	0	100% at Wa	O Road in N	ov 2020, 09-Feb-2	IA.								
NCE152	NCE152 - Unexpected Obstruction to Manhole no. SMH011 at Road D9 in P	0		0 017/08(7 07-Jan-21 A	30-Sep-23	0	100% pn III,			1								
NCE153	NCE153 - Extra Works for Carry Out Laboratory Testings for Gully Formers up	0		0 017/08(7 07-Jan-21 A	30-Sep-23	0		ary 2021, 07-J	an-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											
NCE155	NCE155 - Works affected by COVID-19 - Additional Cost for Supply of Aggre	0	-	0 017/08(7 18-Jan-21 A	30-Sep-23	0	100% pates		NY, 18-Jan-21 A									
-		0			· · ·	0	100% jates		N, TO-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	-				1		┟┨╉╶┊┊╸	·					
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		Seneral Fill, 18-Jan	1.1								
NCE158	NCE158 - Conflict between Existing Manhole No. SMH4046896 and Pile Ca	0		0 017/08(7 18-Jan-21 A	30-Sep-23	0			ed Deck, 18-Jan-2									
NCE159	NCE159 - Delay in Using Imported General Fill from ND/2018/01 Due to Una	0	0 0	0 017/08(7 20-Jan-21 A	30-Sep-23	0	100% vailat	e Tes Result	of Sulphate Conte	nt, 20-Jan-21 A								
NCE160	NCE160 - Additional Point Load Test for Proof Drill Hole no. PD-1 at PC77	0	0 0	0 017/08(7 05-Feb-21 A	30-Sep-23	0	100% 77, 05	Feb-21A										
NCE161	NCE161 - Additional Material Testing for Steel Works of Semi-Enclosure Nois	0		0 017/08(7 01-Mar-21 A	30-Sep-23	0	100% dosu	e Noise Barrie	rs after Hot Bend T	eatment, 01-Mar-2	1A							
NCE162	NCE162- Compulsory Valid Negative COVID-19 Test Result for Entry of Cons	0		0 017/08(7 05-Mar-21 A	30-Sep-23	0			Sites, 05-Mar-21		111				·····			
NCE163	NCE163 - Revision of Spacing of Movement Joints for Semi-Enclosure Noise	0		0 017/08(6 19-Mar-21 A	30-Sep-23				arrier at Elevated D									
-		0		•				2021, 29 Ma										
NCE164	NCE164 - Inclement Weather Period of 9 Feb 2021 to 8 March 2021	0	<u> </u>	0 017/08(6 29-Mar-21 A	30-Sep-23													
NCE165	NCE165 - Unexpected CLP Power Cables at XYZ Junction near Manhole no	0		0 017/08(6 08-Apr-21 A	30-Sep-23		100% nction		no. SMH009, 08-4									
NCE166	NCE166 - Delay in Procurement of Watermain Pipes due to Revised Waterm	0	0 0	0 017/08(6 08-Apr-21 A	30-Sep-23		100% due t	Fevised; Wat	ermain Layout and	Lonitudinal Profile,	08-Apt 21 A							
NCE167	NCE167 - Ground Settlement Issue at Portion I	0	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	0 017/08(6 19-Apr-21 A	30-Sep-23		100% Semi	Enclosure Noi	se Barriers, 19-Apr	21 A								
NCE169	NCE169 - Lighting works for Traffic Sign	0	0 0	0 017/08(6 29-Apr-21 A	30-Sep-23		100% r-21 A											
NCE170	NCE170 - Revised Landscape Softworks and Hardworks	0	0 0	0 017/08(6 30-Apr-21 A	30-Sep-23		100% Hardw	orl <mark>is, 30-Apr</mark> -2	1A									
NCE171	NCE171 - Extra Works for Carry Out Laboratory Testings for Precast Concret	0		0 017/08(6 03-Jun-21 A	30-Sep-23					te Pipes, 03-Jun-21	A							
NCE172	NCE172 - Extra Works for Carry Out Laboratory testings for Impact Resistance	0		0 017/08(6 26-May-21 A	30-Sep-23					Test and Heat Rev			nes 26-May-21 A					
NCE173	NCE173 - Electric Suspension for Semi-Enclosure Noise Barrier Factory	0	-	0 017/08(6 28-Jun-21 A	30-Sep-23				Noise Barrier Fac				p10, 20 May 2171					
NCE174	NCE174 - Inclement Weather for the Period of 9 May 2021 to 8 June 2021	0	-	0 017/08(6 29-Jun-21 A	30-Sep-23					e 2021, 29-Jun-21								
-	NOL 174 - Indement Weather for the Fellod of 3 May 2021 to 0 Julie 2021	860			08-Nov-21 29-Sep-23	30-Sep-23 562			1, Early Warning (E	11 1								
Early Warning (EW)		000							i, cally warning (c	vv)								
EW001	Temporary Discharges from LOHAS Park Development MTRC Contractors In	0	0 0	0 017/08(7	10-Dec-18	30-Sep-23 0	100%											
EW002	Construction Debris and Domestic Waste Left Behind by MTRC's Contractors	0	0 0	0 017/08(7	10-Dec-18	30-Sep-23 0	100%											
EW003	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%											
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%											
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		0 017/08(7	17-Jan-19	30-Sep-23 0	100%											
	, , ,	0				-	100%	····		++		┟┨╂╶┊╬╴						
EW007	Additional Works for Determination of Bond Properety of Steel Reinforcing B	-	-	0 017/08(7	25-Apr-19													
EW008	Additional Works for Laying Concrete Blocks on Top of the Existing Seawall t	0		0 017/08(7	14-Feb-19	30-Sep-23 0	100%											
EW009	Existing Public Lighting Columns Removal by Others	0	-	0 017/08(7	10-Feb-19	30-Sep-23 0	100%											
EW010	Unexpeced CLP Cables Identified at Wan O Road	0		0 017/08(7	10-Jun-19	30-Sep-23 0	100%							1				
EW012	Obstruction of Construction of Elevated Deck and U-Trough by Unexpected (	0		0 017/08(7	13-Feb-19	30-Sep-23 0	100%			1								
EW014	Unregistered Tree No. A0001 found at Wan O Road and obstruct the UU div	0	0 0	0 017/08(7	16-Feb-19	30-Sep-23 0	100%											
EW015	Constraints on TTA Scheme for Full Enclosure in Wan O Road	0	0 0	0 017/08(7	21-Feb-19	30-Sep-23 0	100%											
EW016	Accumlation of Settlement Values with the Existing Data	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		0 017/08(7	14-Mar-19	30-Sep-23 0	100%											
EW017	Unexpected Traxcomm Cable Ducts at Portion I	0		0 017/08(7	10-Jun-19	30-Sep-23 0	100%											
	-	•				· · ·				++	····	┟┨╋╶╺╦╸						
EW019	Obstruction of Construction of Elevated Deck and U-Trough by Unexpected (	0		0 017/08(7	14-Mar-19	30-Sep-23 0	100%											
EW023	Extra Length of Bored Pile No. PL131, 132, 133, 107, 110, 113, 149, 152	0		0 017/08(7	21-Jun-19	30-Sep-23 0	100%											
EW024	Unexpected WTT and HKT Ducts Identified at Wan O Road	0		0 017/08(7	26-Jul-19,	30-Sep-23 0	100%											
EW025	Uncertain Information of the Existing DN1800 drainage Pipe	0	0 (	0 017/08(7	16-Aug-1§	30-Sep-23 0	100%											
EW026	Delay in Response from HyD on Submission of Alternative Foundation desig	0	0 0	0 017/08(7	20-Aug-1§	30-Sep-23 0	100%											
EW027	Maintenance of EVA at Portion I for MTRC's Depot	0	-	0 017/08(7	21-Aug-1§	30-Sep-23 0				1		† <b>  †</b>	1					
EW028	Unexpected Gas Main at Extent of Portion I	0		0 017/08(7	22-Aug-1§	30-Sep-23 0	100%											
EW028	· ·	0	-	0 017/08(7		30-Sep-23 0												
-	Discrepancy of Finish Ground Level in Portion I	-	-		23-Aug-19	· ·												
EW030	Insufficiency of Information for Construction of Drainage works in U-Trough in	0		0 017/08(7	02-Sep-1§	30-Sep-23 0	100%											
EW031	Potential of Excessive Concrete Loss at Bored Piles No. PL132, PL133, P6,	0	-	0 017/08(7	03-Sep-1§	30-Sep-23 0	100%			1								
EW032	Extra Length of Pre-Bored Socketed H-Pile No. UP06, 11, 16, 21, 26, 31-38,	0	0 0	0 017/08(7	09-Sep-1§	30-Sep-23 0	100%											
Actual	fout A Millandaura				<b>a</b> ,							Date			Revision		Checked	Appr
Actual Level of Ef				1	Contract No.: 1	NE/2017/08								)ro.e		ar 2024)		
		て程	拓展署		ross Bay Link, T	Coung Kuran O						3-Mar-2		-	ne Update (Ma		IIL	StL
Actual Work																		
Actual Work					•	-					108	3-Mav-2	21 MonthvP	rogramm	ie Update (Ma	ay 2021)	CkT	StL
<ul><li>Actual Work</li><li>Remaining Work</li></ul>					•	-	1			17:	30	B-May-2	21 Monthy P	-	ie Update (Ma			
	CEDD Civil E	Ingine	ering and the Department	R	Coad D9 and Asse Page 10 of	ociated Works	1	R	uile	Kin	30	3-May-2 3-Jul-21 3-Sep-2	I Monthly F	-	ne Update (Ma ne Update (Ju		CKT CKT CKT	StL StL Stl







	Activity Name	Original Actual Duration Duration	Remaining Calendar Start Duration	Finish Late	Start Late Finish	Total TRA Float	Complete Or	ct No	v Dec	Jan	Feb	Mar A	Apr Ma	ay Ju	n Ju	Aug	Sep	Oct	Nov	Dec	Jan F	eb Ma	ar 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%			Jall			TAL IVE			Aug	Joch		1407	000		NO IVE		iviety	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%					1									-	-			
PMI039	Request for Quotation - Enhancement Measures for TTA at Wan Po Road	0 0		08-Feb-20	30-Sep-23	0	100%				††				181	····				1				· • · · · ·	
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						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				1				
PMI043	Provision of Additional Computer Equipment				30-Sep-23	0														ļ					
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			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%																		
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%													1					
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%					-					1				1				
PMI052	Request for Quotation - Revised Drainage Details at Portion I and Western F	0 0		25-Apr-20	30-Sep-23	0	100%																		
PMI053		0 0	0 011100(1	04-May-20			100%																		
	Request for Quotation - Uncharted Mass Concrete Conflict with Proposed PE	° °	0 011100(1		30-Sep-23	0																			
PMI054	Request for Quotation - Low Noise Road Surfacing	0 0	0 011100(1	06-May-20	30-Sep-23	0	100%		<b>.</b>									ļļ.		Ļ					
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%					1													
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%																		
PMI059	Request for Quotation - Extra Length of Pre-Bored Socketed H-Pile No. PC2	0 0		20-May-20	30-Sep-23	0	100%													1				1	
PMI060	Additional Material Testing & Concrete Coring	0 0		08-Jun-20	30-Sep-23	0	100%		<b>*</b>						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 011100(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							-			1		-	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%					-									1				
		0 0					100%																		1
PMI069	Request for Quotation - Revised Power Cable Ducting Layout and Civil Provi			02-Sep-2(	30-Sep-23	0										····				÷					j
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%																		
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%										1				1				1
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%					-													
PMI077	Point Load Test for Proof Drill Hole no. PC9, 10-PD1	0 0	``	07-Oct-20	30-Sep-23	0	100%																		1
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%													ļļ.					
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	20 tc 2 5 J	uly 2020,			-													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%																		
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	s for Porti	idin 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%										1								
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 C	otober 202	20		· · · · · · · · · · · · · · · · · · ·			******	···-				÷+				- <del> </del>	
		0 0		19-Nov-20		0	100% th																		
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		4																
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% I to	o Glazing				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	o 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% loa	ad,																	
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	on 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	k, 📘												1				1	
PMI093	Request for Quotation - Revision of M.J. Detail	0 0		11-Jan-21	30-Sep-23	0	100%					-								1	-				
PMI094	Removal of Uncharted Tree Nos. A0006 and A0008 at Wan O Road and Wa	0 0		14-Jan-21	30-Sep-23	0		o Road.																	
		· · ·	0 011100(1		-				<b></b>					<b></b>	<b>↓</b> -⊹ <b>↓</b>					÷					
PMI095	Request for Quotation - Revision of Interface Structure and Associated Detai			15-Jan-21	30-Sep-23	0	100%															-			
PMI096	Request for Quotation - Clarification of Detail for Wall Opening	0 0		28-Jan-21	30-Sep-23	0	100%			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	e Ba <b>rrie</b> r,																	
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	ully Forme	e <b>ls up l</b> o F	ebruary 2021	I,												-		
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		-								1		-	8		
PMI100	Request for Quotation - Conflict between Existing Manhole No. SMH404689	0 0		10-Feb-21	30-Sep-23	0				No. PC20 at		Deck.			1 11 1										
PMI101	Point Load Test for Proof Drill Hole no. PD-1 at PC77	0 0		25-Feb-21	30-Sep-23	0	100%				Π					8 8 8						-			1
		0 0						to h	81/Plant I	Poor												-			
PMI102	Provision of Temporary Concrete Pavement at the Access to the E&M Plant			31-Mar-21	30-Sep-23																				
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				va,						1		-	8		
PMI104	Request for Quotation - Additional TCSS Civil Provisions for Full Closure of C	0 0		14-Apr-21	30-Sep-23					of ¢BL und er		Weather C	ondition <mark>s</mark> ,					ļ		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% i o			d Noise End															
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	I Cive Fro	v <b>isio</b> ns of L	ighting Pillar	Box Four	dation and	d 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					ratory for Tes															
PMI113	Acceleration for the access for C1	0 0	· · ·	15-Dec-21	15-Dec-21	0	0%	T		Acceleration				[ ] ]											
quest for Inform		125 125		>-18 A 31-May-19 27-Au		, , , , , , , , , , , , , , , , , , ,	570									8 8 8							8		
					- J J J J J J J J J J J J J J J J J J J							:	1			:	:	: :		: :		:	:	:	
Actual Level	of Effort    Milestone			Contract N	o.: NE/2017/08	}									Date				Revi				Che	cked	Арр
								1						08-	Mar-21	Mon	thly Pro	ogramn	ne Up	date (M	lar 2021)	)	TL		StL
Actual Work	www.summary	工程拓展	者	Cross Bay Lin	k, Tseung Kwa	in O								00.	May-21			-					CkT		
		and a particular			,	-								108-	viav-21	IMon	Thy Dro	aromm	no i Inr	M) atcn	av(2021)	1	11/12/		StL
Domaining		Ca alle a starte	land.	D 100 1							-			100-1				yıanın	ne opu		ay 2021)	/	UKI		
Remaining W	Vork CEDD Civil	Engineering lopment Dep		Road D9 and	Associated Wo	rks			D	uil	4	1:		08-	lul-21		-	-			ul 2021)	)	CKT		StL





, ,	mme Update	Original		Contract No.: NE												2022			-					2022	
	Activity Name	Original Actu Duration Duratio		g Calendar Start n	Finish	Late Start	Late Finish	Float	Complete	ct N	bv C	Dec Jan Feb	Mar	Apr M	by Ju	2022 n Ju	I Aug	Sep	Oct	Nov Dec	: Jan	Feb N		2023 r May	Jun J
RFI001.SUB	Submission of RFI001 - Discrepancy between the Seawall Finished Ground I	0	0 0	0 017/08(7 24-Dec-18 A	-	27-Aug-21	_	0	100%			Jan Teb					i Aug	Ocp		NOV Dec	Jan			Iviciy	Jun c
RFI001REP	Reply on RFI001 - Discrepancy between the Seawall Finished Ground Level	0		0 017/08(7	14-Mar-19		27-Aug-21	0	100%																
RFI002.SUB	Submission of RFI002 - Top Level of Pile Cap for the Elevated Section	0		0 017/08(7 24-Dec-18 A	-	27-Aug-21		0	100%																
RFI002.SUB10	Reply on RFI002 - Top Level of Pile Cap for the Elevated Section	-	-	0 017/08(6	14-Mar-19	217 mg 21	27-Aug-21	0	100%																
			-		14-Ivicii-13	07 4	-																		
RFI006.SUB	Submission of RFI006 - Confirmation of Top Level of Pile Caps and Pile Cap	-	-	0 017/08(7 24-Jan-19 A	07.14 40	27-Aug-21		0	100%																
RFI006REP	Reply on RFI006 - Confirmation of Top Level of Pile Caps and Pile Caps of A	-		0 017/08(7	07-Mar-19		27-Aug-21	0	100%																
RFI010.SUB	Submission of RFI010 - Confirmation of Top Level of Pile Caps at Lift Shaft	-		0 017/08(7 01-Feb-19 A		27-Aug-21		0	100%																i
RFI010REP	Reply on RFI010 - Confirmation of Top Level of Pile Cpas at Lift Shaft	0	0	0 017/08(7	04-Mar-19		27-Aug-21	0	100%									1			1		1		1
RFI011.SUB	Submission of RFI011 - Confirmation of Top Level of Pile Caps at Cycle Ram	0	0	0 017/08(7 04-Feb-19 A		27-Aug-21		0	100%																
RFI011REP	Reply on RFI011 - Confirmation of Top Level of Pile Caps at Cycle Ramp	0	0	0 017/08(7	04-Mar-19		27-Aug-21	0	100%																
RFI012.SUB	Submission of RFI012 - Confirmation of Top Level of Pile Caps at At-Grade F	0	0	0 017/08(7 04-Feb-19 A		27-Aug-21		0	100%				1							1					
RFI012REP	Reply on RFI012 - Confirmation of Top Level of Pile Caps at At-Grade Road	0	0	0 017/08(7	04-Mar-19	-	27-Aug-21	0	100%		÷														
RFI013.SUB	Submission of RFI013 - Grid Line Origin	-		0 017/08(7 08-Feb-19 A		27-Aug-21	-	0	100%														-		
RFI013REP	Reply on RFI013 - Grid Line Origin	-	-	0 017/08(7	03-Mar-19	2.7.692.	27-Aug-21	0	100%																
			-		00-101611-13	07 4	27-Aug-21	0	100%																
RFI016.SUB	Submission of RFI016 - Unexpected Tree at Wan O Road	-	-	0 017/08(7 16-Feb-19 A		27-Aug-21		-									····-		·····		·		·····	·	
RFI016REP	Reply on RFI016 - Unexpected Tree at Wan O Road	-		0 017/08(7	13-Mar-19		27-Aug-21	0	100%																
RFI025.SUB	Submission of RFI025 - Cycle Track Ramp Portion Ground Level	0	0	0 017/08(7 06-May-19 A		27-Aug-21		0	100%																
RFI025REP	Reply on RFI025 - Cycle Track Ramp Portion Ground Level	0	0	0 017/08(7	31-May-19		27-Aug-21	0	100%								1								
onstruction Works		1093 88	88 20	9 13-Nov-18 A	25-Jul-22	18-Aug-21	30-Sep-23	353	-								<b>25-Jul-2</b> 2	2, Constru	ction Works						
Preliminaries		1093 88	84 20	9 13-Nov-18 A	25-Jul-22	27-Aug-21		353									<b>2</b> 5-Jul-22	2, Prelimin	aries						
PREL1010	1st Independent Safety Audit Scheme Audit	2	2 (	0 017/08(6 14-Dec-18 A	15-Dec-18	30-Sep-23	30-Sep-23	0	100%		T														
PREL1015	Initial Survey	7	7	0 017/08(6 13-Nov-18 A	20-Nov-18	27-Aug-21	27-Aug-21	0	100%																
PREL1017	Initial Hydrographic Survey	7		0 017/08(6 21-Nov-18 A		27-Aug-21	-	0	100%																
PREL1020	Tree Survey	7		0 017/08(6 27-Nov-18 A		27-Aug-21	-	0	100%				-						1						
	-					-	-																		
PREL1030	Utilities Detection and Trial Pit at MTRC's Development Area			0 017/08(6 17-Jan-19 A		30-Sep-23		0	100%		-##				4-4-4	- <u>4</u> -									
PREL1035	Installation of Utilities/ Ground Settlement Moniroting Points at MTRC's Devel			0 017/08(6 12-Jan-19 A		30-Sep-23		0	100%																
PREL1037	Installation of Ground Settlement Monitoring Points at MTRC Development F	20 1	17 (	0 017/08(6 23-Feb-19 A	14-Mar-19	30-Sep-23	30-Sep-23	0	100%																
PREL1040	Erection of Contractor Site Office	74 7	76	0 017/08(6 14-Jan-19 A	16-Apr-19	30-Sep-23	30-Sep-23	0	100%										1						
PREL1050	General Site Clearance (Tree Feling, Formation of Tempoary Working Acces	26 3	36	0 017/08(6 02-Jan-19 A	15-Feb-19	27-Aug-21	27-Aug-21	0	100%																
PREL1070	Erection of Chain Link Fence and Gates at MTRC's Development Area	30 3	30	0 017/08(6 27-Dec-18 A		27-Aug-21	-	0	100%																
PREL1100	Pre-Construction Condition Survey			0 017/08(6 28-Nov-18 A		30-Sep-23	-	0	100%		╌╋╬╌╋				1	1		i					· · · · · · · · · · · · · · · · · · ·		
	Installation of Monitoring on Existing Structure/ Buildings/Utilities			0 017/08(6 12-Jan-19 A		30-Sep-23		0	100%		÷														-
PREL1110						· · ·	· ·				÷								1				-		
PREL1115	Construction of Temporary Wheel Washing Facilities			0 017/08(7 18-Mar-19 A		30-Sep-23		0	100%														-		
PREL1120	Construction of Wheel Washing System (CE005, 007, 009)			0 017/08(6 26-Apr-19 A	17-Jun-19	30-Sep-23	30-Sep-23	0	100%																
PREL1130-01	Late Delivery of Steel Material for Fabrication of Structural Members at Pre-fa	60 15	54 (	0 017/08(7 29-Jan-20 A	30-Jun-20	23-Sep-21	23-Sep-21	0	100%																i i
PREL1130-02	Sample Selection and Testing for Structural Steels for Pre-fabrication of Nois	33 18	85 (	0 017/08(6 02-Jul-20 A	10-Feb-21	23-Sep-21	23-Sep-21	0	100% of	Noise Er	nclosure														
PREL1130-12	Fabrication of Structural Elements for At-grade Road Noise Enclosure (Type	90 20	04 2	1 017/08(6 02-Mar-21 A	01-Dec-21	28-Oct-21	20-Nov-21	-9 0	76.67%			abrication of Structural	Elements for	At-grade	Road Nos	e Enclo	sure (Type B)								
PREL1130-22	Delivery of Structural Elements for At-grade Road Noise Enclosure (Type B)			0 017/08(6 13-Mar-21 A				0				Enclosure (Type B)													
PREL1130-32	Fabrication of Structural Elements for Noise Enclosure for Elevated Deck, U4				-			-18 0	57.78%			Fabrication of Stru	: ctural Eleme	nts for Noi	ise Endos	re for F	: levated Deck	Ltrough	(Type A)				-		
PREL1130-42				0 017/08(6 08-Nov-21	19-Jan-22			-36 0	01.1070								J-trough (Type		(Type A)						
	Delivery of Structural Elements for Elevated Deck, U-trough (Type A)								0 %			Fabrication of S									· +			·	
PREL1130-52	Fabrication of Structural Elements for Noise Enclosure for Wan O Road (Typ	-		5 017/08(6 08-Nov-21	31-Dec-21			29	0%					nenis ior		usule lo		u (Type C	(0,						
PREL1130-62	Delivery of Structural Elements for Wan O Road (Type C, D)			0 017/08(6 30-Nov-21	06-Jan-22			29	0%			Delivery of St	uctural Elem	ents for V	Van O Ho	d (Type	C, D)								
PREL1140-01	Fabrication of Sub-frame and PMMA Panels for Noise Enclosure		60	0 017/08(6 20-Apr-21 A	02-Jul-21	23-Sep-21	23-Sep-21	0	100% td	PM44		r Noise Enclosure	-								1		1		
PREL1140-21	Delivery of Sub-frame and PMMA Panels for Noise Enclosure	30 12	21 1	1 017/08(6 15-Jun-21 A	19-Nov-21	23-Sep-21	06-Oct-21	-37 0	63.33%		Peliv	ery of Sub-frame and F	MMA Panels	for Noise	Enclosure										
PREL1150-00	Procurement, factory acceptance test for Lift	60	0	0 017/08(6 15-Oct-21 A	15-Oct-21	20-Nov-21	20-Nov-21	0	100%	Procine	ernent fa	actory acceptance test	or Lift										i.		
PREL1150-01	Delivery for Lift and Associated	44	0 4	4 017/08(6 08-Nov-21*	30-Dec-21	20-Nov-21	13-Jan-22	11 0	0%			Delivery for Lift	and Associat	ed											
PREL1160	FSD's agreement and confirmation on the arrangement and schedules of Ft	48	0 4	8 017/08(6 19-Nov-21	17-Jan-22	17-Feb-22	14-Apr-22	71 0	0%		┝╋╋	F\$D's agree			on on the	arranden	nent and sch	edules of	FS inspectite	on to the E8	&M works for	the lift			
PREL1170	Environmental baseline monitoring (by others)	48 4		0 017/08(6 17-Dec-18 A	16-Feb-19			0	100%							, s	1								-
PREL1180	Removal of Existing Lighting Columns (by others)	-	-	0 017/08(6 09-Apr-19A		· ·		0	100%																
		-	-			-								1			manent Pow	- O							
PREL1190	Laying of Permanent Power Cable (by others)	-		8 017/08(6 25-Mar-22		24-Mar-22	-	-1 0	0%	····			of TOOC			y u; Pe	manetii POW		by outlets)				·····		
PREL1220	Civil provision of TCSS			8 017/08(6 08-Nov-21		19-Jan-22		59 0	0%			Civil provisioh	011255				<b>_</b>						-		
PREL1230	Installation of Permanent Street Lighting (by others)			9 017/08(6 27-May-22	25-Jul-22	26-May-22		-1 0	0%									: :		et Lighting (t	by others)				
PREL1240	Laying of Irrigation (Portion I, II, III)			9 017/08(6 27-May-22	25-Jul-22	26-May-22		-1 0	0%								Laying o	f Irrigation	(Portion I, I	I, III)					
PREL1250	Procurement, Factory Accpetance Test and Delivery of Bearing	80 36	65	0 017/08(7 14-Jan-20 A	13-Jan-21	02-Sep-21	02-Sep-21	0	100%																
Ground Investigation		30 2	23	0 017/08(6 13-Jun-19 A	10-Jul-19,	27-Aug-21	27-Aug-21																		
😑 GI1010	Ground Investigation Borehole (NEBH1) (Rig4) (10D/hole+5D TRA)	15	8	0 017/08(6 02-Jul-19 A	10-Jul-19	27-Aug-21	27-Aug-21	5	100%						TI										
😑 GI1020	Ground Investigation Borehole (NEBH2) (Rig1) (10D/hole+5D TRA)	15	9	0 017/08(6 13-Jun-19 A	22-Jun-19	27-Aug-21	27-Aug-21	5	100%						1 1 1										
GI1030	Ground Investigation Borehole (NEBH3) (Rig1) (10D/hole+5D TRA)	15	8	0 017/08(6 24-Jun-19 A	03-Jul-19	27-Aug-21	27-Aug-21	5	100%										1						
Construction Works of Porti			00 18			18-Aug-21	-	378		╺╼┿╋			-		╬┷┿╇	₹ 24-	un-22, Constr	fuction We	orks of Porti	on I					
PORI.A1000	Provide Access to MTRC P10 at Elevated Cycle Track Area	274 27		0 017/08(7 02-Jul-19 A	31-Mar-20	-		0	100%												8				
PORLA1010	Provide Access to MTRC P10 at U-trough Section	214 18		0 017/08(7 01-Apr-20 A		09-Sep-21	-	0	100%		·₩₩	+++			╢╌┼╂										·
	TOTAL ALCOST LO INTERNET TO AL OPLICULUIT SOLIDIT								100%								O when The 1								
Cycle Track - U-trough		821 65 446 39		5 19-Aug-19 A	_		14-Apr-22	-36							7 1	Jun -22,	Cycle Track -	p-rough							
	vel(+5.0mPD to +4.4mPD) (700m3)			0 19-Aug-19 A				~	4000/									1							
PORLUT.EX1010	Excavation to U-trough Founding Level for Construction of Bay 6-9 (+5.0mPl			0 017/08(6 19-Aug-19 A				0	100%						1 1										
PORI.UT.EX1020	Plate Load Test			0 017/08(7 22-Aug-19 A				0	100%		-###				4.44	<u>.</u>		ļ							
PORI.UT.EX1030	Excavation to U-trough Founding Level for Construction of Bay 3-5 (+5.0mPl	10 1	13 (	0 017/08(6 09-Mar-20 A	23-Mar-20	09-Sep-21	09-Sep-21	0	100%										1						
PORI.UT.EX1040	Liaision with Towngas and TranxComm and Utilities Diversion for Bay 3 (EWC	60 23	35	0 017/08(6 17-Jan-20 A	02-Nov-20	09-Sep-21	09-Sep-21	0	100%																
PORI.UT.EX1050	Excavation to U-trough Founding Level for Construction of Bay 2 (+5.0mPD	4	5	0 017/08(6 19-Nov-20 A	24-Nov-20	09-Sep-21	09-Sep-21	0	100%																
PORI.UT.EX1055	Excavation to U-trough Founding Level for Construction of Bay 1 (+5.0mPD	4		0 017/08(6 12-Dec-20 A		09-Sep-21			100% PD	))							1						-		
PORLUT.EX1060	Utilities Diversion for Bay 1-2		-	0 017/08(6 21-Sep-20 A	-			0	100%																
	-	697 55		5 017/08(6 27-Aug-19 A			-	-48	100 /0		- +++	31 Dec 21 C	struction of	Ltrough		Balle	1 7D/Bay 1 Ta	am)					· · · · · · · · · · · · · · · · · · ·		·
	Structure (9 Bays, 27D/Bay, 1 Team)								100%			31-Dec-21, Cor	aucuonof	-aougn S		uays, 2	ay, 1 lea	eiii)	1						
PORLUT.ST1000	Construction of Blinding Layer for Bay 6-9			0 017/08(6 27-Aug-19 A	-			0	100%																
PORI.UT.ST1010	Construction of U-trough Structure Bay 6-9 Base Slab (14D/bay, 1 team)	56 3	34 (	0 017/08(6 27-Aug-19 A	U8-Oct-19	U9-Sep-21	09-Sep-21	0	100%								:	: i			1	<u> </u>			
Actual Level of Effo					Creat	A NT	NE /2015/	00								Date				Revision			Ch	ecked	App
		State of the	100		Contra	act No.:	NE/2017/	Uð			-				0.9 1	/ar-21	Mon	thly Pro		eUpdate	(Mar 20)	21)			StL
Actual Work	summary / + t	工程拓展	署	C	ross Rav	Link. 1	<b>Fseung Kv</b>	wan O		1									-	•		,			
		Engineering			•	-	0				1		-		08-N	<i>l</i> lay-21/		thy Pro	gramme	Update	(May 202	21)	CkT		StL
Dever states 147 1	Civil E	-nainoorin/	hne r	I P	coad D9	and Ass	sociated W	Vorks																	
Remaining Work		-uAmeeuni?	June				, o ciarea								<u> </u>	ul-21	IMon	ithlv Pro	gramm	eUndate	(Jul 202	1)	ICKT	I.	StL
<ul> <li>Remaining Work</li> <li>Critical Remaining V</li> </ul>	Decision in the second s	opment De	partme			Page 13 c			1		H	Build	<b>K1</b>	ng	08-J	ul-21 Sep-21	Mon		ogramme n Progra		(Jul 202	1)	CKT CKT		StL Stl

ivity ID		Activity Name	Original Actual Remaining Duration Duration Duration		Start	Finish	Late Start	Late Finish	Total TRA Float	Complete								2022			
_					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%				††							
	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%	11.5		:		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	00/			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> 7	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													
	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%	-								į		
	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	ers, SD/Ia	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%						-					-		
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 II	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

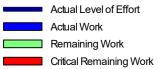


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	Activity Name		Actual Remaini		Start	Finish	Late Start	Late Finish	Total TRA									2022		
	and Desinger Diversion of Evision 4500 and in 1 - Object 4510 and 201		nation Durati	_	06.0-+ 00.1	22.0-1.00	02.0 01	02.0 01	Float	Complete Oct	Nov	Dec	Jan	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%										
PORIII.ED.GD.1021	Construction of PC26 (PMI052)	9	-	· ·	26-Nov-20 A	05-Dec-20	27-Aug-21	27-Aug-21	0	100%										
PORII.ED.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									
PORIILED.GD.1110	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	y1					
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%		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	je Works			
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	屈睪		C	ore 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						ļ			0	Oct	Nov	De	c Jan	Feb N	Mar	Apr	May	Jun	Jul	Aug	Sep
	e PBSH (40nos, 7D/pile, 1-2 rigs)			-	27-Aug-19 A	17-Apr-20	27-Aug-21	03-Sep-21											1		1
PORIILUT.HP1010	Alternative PBSH (7D/pile, UP40,35,38,33,36,31,26,21,28,16,11,15,10,13,6	28	93 (	0 017/08(6	27-Aug-19 A	16-Dec-19	27-Aug-21	27-Aug-21	0	100%					-				1		
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%										-	
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%			-								
Construction of U-trough PORIILUT.ST1010	Structure Excavation to Pile Cap Founding Level (+4.4mPD to +3.8mPD)(2000m3)		188 187 72 (	_	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	n-22, Con	structio
PORIILUT.ST1010	Trimming of Pie Head and Installation of Capping Plate	60			06-May-20 A	04-Jul-20	03-Sep-21 03-Sep-21	03-Sep-21 03-Sep-21	0	100 %			····-			·			; <mark>-</mark>	·	+
PORIILUT.ST1025	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%											
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%	╉╋									1	
PORIILUT.ST1105	Excavation to Revised Formation Level and Construction of New Blinding for	10			22-Oct-20 A	13-Nov-20	03-Sep-23	03-Sep-23	0	100%									1		
PORIILUT.ST1107	Construction of Base Slab Bay 2	18		· ·	14-Nov-20 A	30-Nov-20	03-Sep-21 03-Sep-21	03-Sep-21 03-Sep-21	0	100 %									<mark>-</mark>	·-+	
PORIILUT.ST1115	Excavation to Revised Formation Level, Construction of New Blinding for Bar	10		· ·	30-Oct-20 A	03-Dec-20	03-Sep-21 03-Sep-21	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	03-Sep-21 03-Sep-21	0	100%										1	
—		18			15-Dec-20 A	30-Dec-20	03-Sep-21 03-Sep-21		0	100%											
PORIILUT.ST1120	Construction of Base Slab Bay 3	10					03-Sep-21 03-Sep-21	03-Sep-21	0	100%			-						1		
PORIILUT.ST1125	Re-construction of Capping Plate for Bay 4	10		· ·	15-Dec-20 A	31-Dec-20		03-Sep-21	0	100%					÷	·			<mark>.</mark>	·	
PORIILUT.ST1130	Construction of Base Slab Bay 4		-	· ·	07-Jan-21 A	16-Jan-21	03-Sep-21	03-Sep-21			╉╫╶┨		-						:		
	Construction of Internal Wall Stem Bay 1	14		· ·	14-Apr-21 A	28-Apr-21	03-Sep-21	03-Sep-21	0	100%										-	
	Construction of Internal Wall Stem Bay 2			· ·	22-Feb-21 A	09-Mar-21	03-Sep-21	03-Sep-21	0	100%											
	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	' <b>  </b>									1	
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%		╢╫╢		ļ	÷		<b>↓</b>				
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%										1	
PORIII.UT.ST1200	Construction of External Wall Stern Bay 1 (Sea Side)				08-May-21 A	13-Nov-21	28-Aug-21	03-Sep-21	-58 0	60%		onstru	tion of Exter	mal Wall Ste	n Bay	1 (Sea Sid	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 <b>iy</b> 2 (S	<b>a \$id</b> e	)]]							-	
PORIILUT.ST1220	Construction of External Wall Stem Bay 3 (Sea Side)	14			29-Nov-21	14-Dec-21	25-Sep-21	12-Oct-21	-53 0	0%			Constructio	n of External	I Wal S	item Bay 3	(Sea Sid	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	ntside								<b>.</b>		
PORIILUT.ST1240	Construction of External Wall Stern Bay 2 (Land side)	14			23-Jun-21 A	16-Nov-21	04-Sep-21	06-Sep-21	-58 0	85.71%				emal Wall Ste		· ·					i.
PORIILUT.ST1241	Construction of External Wall Stern Bay 3 (Land side)	4	0 4	4 017/08(6	16-Nov-21	20-Nov-21	07-Sep-21	10-Sep-21	-58	0%	╉┝┛┫	Const	ruction of Ex	ternal Wall S	item Ba	ay3 Land	side)				
PORIII.UT.ST1242	Excavation to Revised Formation Level, Construction of New Blinding for Bay	10	10 0	0 017/08(6	09-Mar-21 A	19-Mar-21	03-Sep-21	03-Sep-21	0	100% w B	linding fo	r Bay 5									i.
PORIII.UT.ST1243	Construction of Base Slab Bay 5	18	0 18	8 017/08(6	08-Nov-21	27-Nov-21	03-Sep-21	24-Sep-21	-53 0	0%		<b>i</b> opi		Base Slab Ba							
PORIII.UT.ST1244	Construction of Internal Wall Stem Bay 6	14	0 14	4 017/08(6	29-Nov-21	14-Dec-21	25-Sep-21	12-Oct-21	-53 0	0%	-H 1			n of Internal							
PORIII.UT.ST1250	Backfilling from +5.9mPD to +8.2mPD (8layers, 5D/layer)	80	111 4	4 017/08(6	26-Jun-21 A	07-Dec-21	24-Sep-21	28-Sep-21	-58 0	95%			Backfilling from	m +5.9mPD	to +8.2	/mPD (8lay	ers 5D/la	iye)			
PORIII.UT.ST1260	Concrete Barrier and Laying of Cable Duct	60	0 60	0 017/08(6	04-Jan-22	18-Mar-22	26-Oct-21	06-Jan-22	-58	0%	+ I		4		Cor	oncrete Bar	ierand L	aying c	of Cable	a Duct	
PORIII.UT.ST1270	Road Paving	80	0 80	0 017/08(6	18-Mar-22	28-Jun-22	07-Jan-22	14-Apr-22	-58	0%			1		-				Road	Paving	1
Drainage Works				`	07-May-21 A	01-Apr-22	15-Dec-21	14-Apr-22	11					011 to SMH0	7	01-Apr-2	2, Craina	ge <b>Vor</b> k	ks	-	
PORIII.UT.DRA2020	Construction of Drainage SMH011 to SMH010				07-May-21 A		15-Dec-21	15-Dec-21	0	P	orstruct	4		4 4					<b>.</b>		
PORIII.UT.DRA2030	Construction of Drainage SMH010 to SMH009	45			27-Aug-21 A	10-Dec-21	15-Dec-21	22-Dec-21	11 0	85%			Construction	of Drainage			00		i		
PORIII.UT.DRA2050	Laying of Watermains	45		· ·	10-Dec-21	08-Feb-22	23-Dec-21	19-Feb-22	11 0	0%	11		:			termains				-	-
PORIII.UT.DRA2060	Laying of Ducting for Power Cable	45		· ·	10-Dec-21	08-Feb-22	23-Dec-21	19-Feb-22	11	0%				Laying	of Duct	ting for Po Road Pa	verCable	4		-	1
PORIII.UT.DRA2070	Road Paving	45		· ·	08-Feb-22		21-Feb-22 29-Sep-21	14-Apr-22	11	0%						Road Pa				otruction .	
Construction of Semi-Nos PORIILUT.NB1020	E Enclosure (CH13482.1 to 13580.3), Sign Gantry and Directional Sign Construction of Semi-Noise Enclosure CH13482.101 to 13576.309 Main Fra	133 75		3 017/08(6	07-Dec-21 07-Dec-21		29-Sep-21 29-Sep-21	14-Apr-22 29-Dec-21	-30 -58 0	0%				÷÷	Conic	struction of					
PORIILUT.NB1020	Construction of Semi-Noise Enclosure CH13482.101 to 13576.309 Main Pla Construction of Semi-Noise Enclosure CH13482.101 to 13576.309 Sub Fran	75	-		14-Dec-21	18-Mar-22	07-Oct-21	06-Jan-22	-58 0	0%				: r4		onstruction					
		14						21-Feb-22	-30 0	0%						Excavation					
PORIILUT.NB1040	Excavation and Construction of Directional Sign Footing DS1		•		11-Mar-22		05-Feb-22 26-Feb-22	21-Peb-22 21-Mar-22		0%					Ŀ	Backfillir		ISULIQUO		liectional	Jight
PORIII.UT.NB1050	Backfilling to Formation Level	20			11-Mar-22	*			-12 0	070							g to ⊦om	haton L	Level	ign and St	
PORIII.UT.NB1060	Installation of Directional Sign and Steel Frame	10			04-Apr-22		22-Mar-22	01-Apr-22	-12 0	0%		<b> </b>			-	Expansion Expansion	allation o	Liecti	JUNA SI	yn and Si	leel Fr
	Excavation and Construction of Directional Sign Footing DS2	14			28-Mar-22	14-Apr-22	22-Feb-22	09-Mar-22	-30 0	0%					1	Expa	vation an	a uprist	struction	i of Directi	onal S
	Backfilling to Formation Level	20			14-Apr-22	13-May-22	10-Mar-22	01-Apr-22	-30 0	0%						F				ation 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%						1	in in	anation	In of Dir	rectional S	ign ar
e Protection Works (Port					02-May-19 A	25-Jul-19,	14-Apr-22	14-Apr-22		40001	┼┼┼			-	++		┟╢╧┘				-
TP1020	Tree Transplant Works			_	02-May-19 A	25-Jul-19	14-Apr-22	14-Apr-22	0	100%				07 1 00	-	institute of					4
odification of Seawall (Por							23-Sep-21		495					27-Jan-22,	vioditic	auon of S	eaviail (P	oruon 1	ang III)	/	
Weather Protection System		48			01-Dec-18 A			30-Sep-23		100%											
SW1010	Site Trial for Weather Protection System				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%											
SW1030	Installation of Temporary Wave Form Wall for Weather Protection (2nd layer)				02-Apr-19A		30-Sep-23	30-Sep-23	0	100%								<b></b>	; <mark>-</mark>		
Seawall Modification Type 1	Proof Congrete Conning for Poul 1				13-Apr-21 A 13-Apr-21 A	27-Jan-22	06-Nov-21	27-Jan-22	-1	100%				27-Jan-22,	, beawa	all Modifica	ion iype				-
SW.WWI.1010	Break Concrete Copping for Bay 1	14				28-Apr-21	06-Nov-21	06-Nov-21		100%									1		i.
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%											
SW.WWI.1040	Break Concrete Copping for Bay 4	14			19-Apr-21 A	05-May-21	10-Nov-21	10-Nov-21		100%		<b> </b>  .					<b>↓                                    </b>	<u> </u>	<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%											
SW.WWI.1060	Break Concrete Copping for Bay 6	14			26-Apr-21 A	12-May-21	10-Nov-21	10-Nov-21		100%										-	
SW.WWI.1070	Break Concrete Copping for Bay 7	14			05-May-21 A		10-Nov-21	10-Nov-21		100%	-										
SW.WWI.1080	Break Concrete Copping for Bay 8	14	14 (	0 017/08(6	14-May-21 A	31-May-21	10-Nov-21	10-Nov-21		100%	411										
SW.WWI.1090	Break Concrete Copping for Bay 9	14	14 (	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		- Bi 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	туре	1 Bạy 1 (2nd	Pour)							
SW.WWI.1111						13-Nov-21	13-Nov-21	20-Nov-21	6	0%		1	1	wall Modificat		be 1 Bay 1	(Copinia)	11		:	
SW.WWI.1111 SW.WWI.1112	Construction of Seawall Modification Type 1 Bay 1 (Coping)	6	36 6	6 017/08(6	24-36p-21 A	13-1404-21	10110121			0,0											
	Construction of Seawall Modification Type 1 Bay 1 (Coping) Construction of Seawall Modification Type I Bay 2 (1st Pour)	6 12			24-Sep-21A 28-Jun-21A	16-Jul-21	06-Nov-21	06-Nov-21		100% I Mo		8	Bay 2 (1st Po		1	, .	(51.5)			-	1



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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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SW.WWI.1122	Construction of Seawall Modification Type I Bay 2 (Coping)	6	0 6 017/08(6 22-Nov			27-Nov-21	-1	0%		- Con				cation T	ype IB	ay 2 (C	oping)																
SW.WWI.1130	Construction of Seawall Modification Type I Bay 3 (1st Pour)	12	12 0 017/08(6 16-Jul-			10-Nov-21			wall Modifi				1 1																				
SW.WWI.1131	Construction of Seawall Modification Type I Bay 3 (2nd Pour)	12	23 0 017/08(6 30-Jul-	-		19-Nov-21		100%	n of Seawa	a Wodifica			· ·	· ·						1			-					1	1	1			
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SW.WWI.1140	Construction of Seawall Modification Type I Bay 4 (1st Pour)	12	23 0 017/08(6 30-Jul-	1 A 27-Aug-2	1 10-Nov-21	10-Nov-21		100%	n of Seawa	al <mark>M</mark> odifica	ation Type	I Bay 4	(1st Po	ır)																			
SW.WWI.1141	Construction of Seawall Modification Type I Bay 4 (2nd Pour)	12	19 0 017/08(6 31-Aug	21 A 23-Sep-2	1 19-Nov-21	19-Nov-21		100%	struciono	of <mark>S</mark> eawal	Modifica	ion Type	I Bay 4	(2nd Po	ur)					-													
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%			Construc	ion of Se	awall N	odificatio	on Type	Eay	4 (Cop	ng)															
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-2	1 10-Nov-21	10-Nov-21		100%	tion of Se	eawal Mor	dification	; īvpe I Bar	y 5 (1st	: Pout)				Ĩ		-													
SW.WWI.1151	Construction of Seawall Modification Type I Bay 5 (2nd Pour)	12	17 0 017/08(6 20-Sep			19-Nov-21		100%	Construc		eawall Mo				nd Pou		1			-		:							1				
SW.WWI.1152	Construction of Seawall Modification Type I Bay 5 (Coping)	6	0 6 017/08(6 13-Dec			18-Dec-21	-1	0%			Constr						4 1 5 (C	hoipa															
SW.WWI.1160	Construction of Seawall Modification Type I Bay 6 (1st Pour)	12	17 0 017/08(6 09-Sep			10-Nov-21		• • •	onstruction								.,	PPING.	<b>,</b>	-													
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SW.WWI.1161	Construction of Seawall Modification Type I Bay 6 (2nd Pour)	12				19-Nov-21			- Pu	onstruction																							
SW.WWI.1162	Construction of Seawall Modification Type I Bay 6 (Coping)		107 7 017/08(6 02-Jul-			29-Dec-21	-1	0%			Cor						Baye	(Cop	ping)														
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%	gonstr		Seawall I					1.11	<u>.</u>	<u> </u>															
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%	₩.	Construc	ion of S									1		-											
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%			<b>–</b> d	onstructio	on of Se	awall M	odificat	on Typ	é I Ba	7 (O	Coping	g)													
SW.WWI.1180	Construction of Seawall Modification Type I Bay 8 (1st Pour)	12	0 12 017/08(6 08-Nov	21 20-Nov-2	1 10-Nov-21	24-Nov-21	3	0%	┣╞	Çonst	ruction of	Seåwall	Modifica	tion Typ	e I Bay	<b>8 (1</b> st	Pour)			-									1	ł			
SW.WWI.1181	Construction of Seawall Modification Type I Bay 8 (2nd Pour)	12	0 12 017/08(6 22-Nov	21 04-Dec-2	1 24-Nov-21	08-Dec-21	3	0%	-	• 📫 🔤	onstructic	n of Seav	wali Mo	lification	TypeI	Eay B	(2nd P	bur)				:					1	1	1	1		1	
SW.WWI.1182	Construction of Seawall Modification Type I Bay 8 (Coping)	6	0 6 017/08(6 07-Jan	22 13-Jan-22	2 06-Jan-22	13-Jan-22	-1	0%			<b>`⊾</b> ∎	Construc	tion of	Seawall	Modific	ation T	i ype I E	ay 8 (	(Copi	inģ)		-					1		-	-			
SW.WWI.1190	Construction of Seawall Modification Type I Bay 9 (1st Pour)	12	0 12 017/08(6 22-Nov			08-Dec-21	3	0%	···· <b>†</b> · <b> </b> t	- Id	onstituctio						4		- the second sec														
SW.WWI.1191	Construction of Seawall Modification Type I Bay 9 (2nd Pour)	12	0 12 017/08(6 06-Dec			22-Dec-21	3	0%			Constr	- ·				1 11	<b>`</b> ;		our	1			1	1	1			1	-	1			
SW.WWI.1191	Construction of Seawall Modification Type I Bay 9 (Coping)		0 6 017/08(6 14-Jan			22-Dec-21 20-Jan-22	-1	0%			+,-	Constr					1	1 H H		i najaa													
SW.WWI.192	Construction of Seawall Modification Type I Bay 9 (Coping) Construction of Seawall Modification Type I Bay 10 (1st Pour)	12	0 12 017/08(6 06-Dec			20-Jan-22 06-Jan-22	-1	0%				ction of								-1919)							1	1					
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SW.WWI.1201	Construction of Seawall Modification Type I Bay 10 (2nd Pour)	12	0 12 017/08(6 20-Dec			20-Jan-22	13	0%		╌╂╢┊╌┊┠╹	<u> </u>		+				4	- she -	· · · · · · · · · · · · · · · · · · ·														
SW.WWI.1202	Construction of Seawall Modification Type I Bay 10 (Coping)	6	0 6 017/08(6 21-Jan			27-Jan-22	-1	0%				<b>*</b>		+		cificatio	on Typ	Ba	ay IO	(Coping	)	ł	-										
SW.WWI.1212	UU & TCSS Duct Laying	28	0 28 017/08(6 20-Dec	21 24-Jan-22	2 22-Dec-21	27-Jan-22	3	0%				\$ UU &			ing			11		1									1				
Seawall Modification Type			308 0 017/08(6 23-Oct		1 23-Sep-21		-36			0BNov-21	1, Sę́awa	Modifica	ition Typ	e 2						1													
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%												ł		-	1		1				-	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%	ification Ty	ype 2												-					1					-	
SW.WWII.1030	Construction of Seawall Modification Type II Bay 1	10	36 0 017/08(6 22-Dec	20 A 04-Feb-2	1 23-Sep-21	23-Sep-21		100%						;		11		TŤ.													1		
SW.WWII.1040	Construction of Seawall Modification Type II Bay 2	10	36 0 017/08(6 22-Dec			23-Sep-21		100%			1		1	:						-		:											
SW.WWII.1050	Construction of Seawall Modification Type II Bay 3	10	54 0 017/08(6 22-Dec		23-Sep-21	23-Sep-21		100%							1					1			-	ł				1	1	1		1	
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SW.WWII.1070	Construction of Seawall Modification Type II Bay 5	10	29 0 017/08(6 22-Dec			23-Sep-21		100%									į	<u></u>							·····								
SW.WWII.1080	Construction of Seawall Modification Type II Bay 6	10	10 0 017/08(6 24-Feb			23-Sep-21		100%			1	1		1	1					:		:	-		-			-					
SW.WWII.1090	Construction of Seawall Modification Type II Bay 7	10	10 0 017/08(6 09-Mar	21 A 19-Mar-21	23-Sep-21	23-Sep-21		100%									1			-		-											
SW.WWII.1100	Construction of Seawall Modification Type II Bay 8	10	10 0 017/08(6 01-Apr	21 A 16-Apr-21	23-Sep-21	23-Sep-21		100%												-													
SW.WWII.1110	Construction of Seawall Modification Type II Bay 9	10	10 0 017/08(6 17-Apr	21A 28-Apr-21	23-Sep-21	23-Sep-21		100%	9											-													
SW.WWII.1120	Construction of Remaining Seawall Modification Type II at U-trough (Bay 10-	10	158 0 017/08(6 29-Apr	21A 08-Nov-2	1 23-Sep-21	23-Sep-21	-36	100%		Construct	ion of Re	naining S	Seawall	Modifica	tion Ty	pe lat	U-trou	igh (B	Bay 10	0-13)		-			1				1				
onstruction of the At-gra	ade Noise Semi Enclosures	779	667 112 09-Aug	19 A 24-Mar-22	27-Sep-21	30-Sep-23	450							7 24-	Mar-22	Const	ruction	of th	ne At-	grade N	oise Semi	ni Enclos	sures										
Construction of Northern	Drainage (SMH003 to SMH008)	300	294 0 017/08(6 09-Aug	10.4 05.4 0		45.0.04																					1						
PORIII.AG.1010				19 A   05-Aug-2	27-Sep-21	15-Dec-21														-								-					
1 01411.740.1010	Excavation from +5.5mPD to +3.5mPD for SMH003 to SMH007 (inlcude Der	30	81 0 017/08(6 09-Aug				0	100%	-1									1.1			- i	-			1				1				
		30	81 0 017/08(6 09-Aug	19 A 14-Nov-19	27-Sep-21	27-Sep-21			+											-	:						:						
PORIII.AG.1015	Road Diversion at XYZ Junction	30 10	81         0         017/08(6         09-Aug           10         0         017/08(6         14-Oct	19 A 14-Nov-19 19 A 24-Oct-19	27-Sep-21 27-Sep-21	27-Sep-21 27-Sep-21	0	100%	+											: : : :		1					1 1 1						
PORIII.AG.1015 PORIII.AG.1020	Road Diversion at XYZ Junction Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to Si	30 10 7	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Sep	19 A 14-Nov-19 19 A 24-Oct-19 19 A 10-Nov-19	27-Sep-21 27-Sep-21 27-Sep-21	27-Sep-21 27-Sep-21 27-Sep-21	0	100% 100%																									
<ul> <li>PORIII.AG.1015</li> <li>PORIII.AG.1020</li> <li>PORIII.AG.1030</li> </ul>	Road Diversion at XYZ Junction           Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to SI           Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams)	30 10 7 28	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Sep           36         0         D17/08(6)         16-Sep	19 A         14-Nov-19           19 A         24-Oct-19           19 A         10-Nov-19           19 A         29-Oct-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	0 0 0	100% 100% 100%																									
PORIILAG.1015 PORIILAG.1020 PORIILAG.1030 PORIILAG.1035	Road Diversion at XYZ Junction           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	30 10 7 28 14	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Sep           36         0         D17/08(6)         16-Sep           21         0         D17/08(6)         23-Oct	19 A         14-Nov-19           19 A         24-Oct-19           19 A         10-Nov-19           19 A         29-Oct-19           19 A         29-Oct-19           19 A         15-Nov-19	<ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> </ul>	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	Road Diversion at XYZ Junction           Excavation of Drainage Trench (maximum up to +2.0mPD) for SMH003 to SI           Manhole Construction for SMH003 to SMH006 (14D/manhole, 2 teams)	30 10 7 28	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Sep           36         0         D17/08(6)         16-Sep	19 A         14-Nov-19           19 A         24-Oct-19           19 A         10-Nov-19           19 A         29-Oct-19           19 A         29-Oct-19           19 A         15-Nov-19           19 A         15-Nov-19	<ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> </ul>	27-Sep-21 27-Sep-21 27-Sep-21 27-Sep-21	0 0 0	100% 100% 100% 100% 100%																			· · · · · · · · · ·						
PORIILAG.1015 PORIILAG.1020 PORIILAG.1030 PORIILAG.1035	Road Diversion at XYZ Junction           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	30 10 7 28 14	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Sep           36         0         D17/08(6)         16-Sep           21         0         D17/08(6)         23-Oct	19 A         14-Nov-19           19 A         24-Oct-19           19 A         10-Nov-19           19 A         29-Oct-19           19 A         29-Oct-19           19 A         15-Nov-19	<ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> </ul>	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	Road Diversion at XYZ Junction           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	30 10 7 28 14 14	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Sep           36         0         D17/08(6)         16-Sep           21         0         D17/08(6)         23-Oct           21         0         D17/08(6)         23-Oct	19 A         14-Nov-19           19 A         24-Oct-19           19 A         10-Nov-19           19 A         29-Oct-19           19 A         15-Nov-19           19 A         15-Nov-19           19 A         21-Nov-19	<ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> </ul>	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%																			· · · · · · · · · · · · · · · · · · ·						
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1042	Road Diversion at XYZ Junction           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)	30 10 7 28 14 14	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Seg           36         0         D17/08(6)         16-Seg           21         0         D17/08(6)         23-Oct           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         14-Nov	19 A         14-Nov-19           19 A         24-Oct-19           19 A         10-Nov-19           19 A         29-Oct-19           19 A         29-Oct-19           19 A         15-Nov-19           19 A         15-Nov-19           19 A         21-Nov-19           19 A         28-Nov-19	<ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-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	0 0 0 0 0 0	100% 100% 100% 100% 100%																									
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1042           PORIILAG.1044	Road Diversion at XYZ Junction         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	30 10 7 28 14 14 14 7 14	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Seg           36         0         D17/08(6)         16-Seg           21         0         D17/08(6)         23-Oct           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         14-Nov           6         0         D17/08(6)         22-Nov	19 A         14-Nov-19           19 A         24-Oct-19           19 A         10-Nov-19           19 A         29-Oct-19           19 A         29-Oct-19           19 A         29-Oct-19           19 A         15-Nov-19           19 A         15-Nov-19           19 A         21-Nov-19           19 A         28-Nov-19           19 A         28-Nov-19	<ul> <li>27-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	0 0 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	Road Diversion at XYZ Junction         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 SMH007         Backfilling of Drainage Trench for SMH006 to SMH007	30 10 7 28 14 14 14 7 14	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Seg           36         0         D17/08(6)         16-Seg           21         0         D17/08(6)         23-Oct           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         24-Nov           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov	19A         14-Nov-18           19A         24-Oct-15           19A         10-Nov-18           19A         29-Oct-15           19A         29-Oct-15           19A         15-Nov-18           19A         15-Nov-19           19A         21-Nov-19           19A         21-Nov-19           19A         28-Nov-19           19A         28-Nov-19           19A         28-Nov-19           19A         01-Apr-20	<ul> <li>27-Sep-21</li> <li>15-Dec-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 27.Sep-21	0 0 0 0 0 0 0 0 0 0	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	Road Diversion at XYZ Junction         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         Confirmation of Location of Manhole and Drainage Alignment         Sheet Piles Installation SMH008 Construction (~20m length)	30 10 7 28 14 14 14 7 14 30	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Sep           36         0         D17/08(6)         12-Sep           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         23-Oct           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov           101         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov           101         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov	19A         14-Nov-19           19A         24-Oct-19           19A         24-Oct-19           19A         10-Nov-11           19A         29-Oct-19           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         01-Apr-20           20A         03-Jul-20	<ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-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	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	Road Diversion at XYZ Junction           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 (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	30 10 7 28 14 14 14 14 7 14 30 3 3 3	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         16-Sep           36         0         D17/08(6)         16-Sep           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         24-Nov           6         0         D17/08(6)         22-Nov           101         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov           101         0         D17/08(6)         29-Nov           6         0         D17/08(6)         26-Jun           101         0         D17/08(6)         26-Jun           3         0         D17/08(6)         46-Jun	19A         14-Nov-11           19A         24-Oct-12           19A         10-Nov-11           19A         29-Oct-12           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-12           19A         21-Nov-11           19A         22-Nov-11           19A         22-Nov-11           19A         22-Nov-11           19A         24-Nov-11           19A         20-Nov-11           19A	<ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-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 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 0	100% 100% 100% 100% 100% 100% 100% 100%																									
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1042           PORIILAG.1044           PORIILAG.1044           PORIILAG.1046           PORIILAG.1047           PORIILAG.1048           PORIILAG.1048-01           PORIILAG.1048-02	Road Diversion at XYZ Junction           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           Manhole Construction for SMH008 (14D/manhole)	30 10 7 28 14 14 14 14 7 14 30 3 3 3 14	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Sep           36         0         D17/08(6)         12-Sep           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         23-Oct           6         0         D17/08(6)         22-Nox           6         0         D17/08(6)         22-Nox           101         0         D17/08(6)         22-Nox           6         0         D17/08(6)         29-Nox           16         0         D17/08(6)         89-Jan	19A         14-Nov-19           19A         24-Oct-19           19A         10-Nov-19           19A         29-Oct-16           19A         15-Nov-19           19A         15-Nov-19           19A         15-Nov-19           19A         21-Nov-19           19A         21-Nov-19           19A         28-Nov-11           19A         28-Nov-11           19A         20-Nov-11           19A         01-Apr-2C           20A         03-Jul-20           0A         07-Jul-20           0A         25-Jul-20	<ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-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	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%																									
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1042           PORIILAG.1042           PORIILAG.1046           PORIILAG.1047           PORIILAG.1048           PORIILAG.1048-01           PORIILAG.1048-02           PORIILAG.1048-03	Road Diversion at XYZ Junction           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 SMH006 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying 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 (14D/manhole)           Laying of Drainage Pipe SMH008 (14D/manhole)           Laying of Drainage Pipe SMH008 (14D/manhole)	30 10 7 28 14 14 14 7 14 30 3 3 3 14 5	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Seg           36         0         D17/08(6)         12-Seg           21         0         D17/08(6)         23-Oct           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         23-Oct           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         25-Nov           6         0         D17/08(6)         25-Nov           6         0         D17/08(6)         25-Nov           6         0         D17/08(6)         25-Nov           7         0         D17/08(6)         25-Nov           6         0         D17/08(6)         25-Nov           7         0         D17/08(6)         25-Nov           8         0         D17/08(6)         25-Nov           6         0         D17/08(6)         25-Nov </td <td>19A         14-Nov-19           19A         24-Oct-19           19A         10-Nov-19           19A         10-Nov-19           19A         29-Oct-16           19A         15-Nov-19           19A         15-Nov-19           19A         15-Nov-19           19A         21-Nov-19           19A         28-Nov-19           19A         14-Marc20           19A         25-Jul-20           19A         25-Jul-20</td> <td><ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-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</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>	19A         14-Nov-19           19A         24-Oct-19           19A         10-Nov-19           19A         10-Nov-19           19A         29-Oct-16           19A         15-Nov-19           19A         15-Nov-19           19A         15-Nov-19           19A         21-Nov-19           19A         28-Nov-19           19A         14-Marc20           19A         25-Jul-20           19A         25-Jul-20	<ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-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	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%																									
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1042           PORIILAG.1042           PORIILAG.1044           PORIILAG.1046           PORIILAG.1047           PORIILAG.1048           PORIILAG.1048           PORIILAG.1048-01           PORIILAG.1048-02           PORIILAG.1048-03           PORIILAG.1048-04	Road Diversion at XYZ Junction           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 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying of Drainage Trench for SMH006 to SMH007           Confirmation 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 Pipe SMH007 to SMH008           Backfilling of Drainage Trench for SMH008 Nonstruction	30 10 7 28 14 14 14 14 7 14 30 3 3 3 14	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Sep           36         0         D17/08(6)         25-Sep           21         0         D17/08(6)         23-Oct           21         0         D17/08(6)         23-Oct           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         23-Oct           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         25-Nov           6         0         D17/08(6)         25-Nov           7         0         D17/08(6)         25-Nov           6         0         D17/08(6)         25-Nov           7         0         D17/08(6)         25-Nov           8         0         D17/08(6)         25-Nov           16         0         D17/08(6)         25-Nov           5         0         D17/08(6)         55-Nov	19A         14-Nov-19           19A         24-Oct-19           19A         10-Nov-19           19A         10-Nov-19           19A         29-Oct-16           19A         15-Nov-19           19A         15-Nov-19           19A         15-Nov-19           19A         21-Nov-19           19A         28-Nov-19           19A         28-Nov-19           19A         28-Nov-19           19A         28-Nov-19           19A         28-Nov-19           19A         28-Nov-19           01A         07-Jul-20           0A         07-Jul-20           0A         20-Jul-20           0A         20-Jul-20           20A         05-Aug-2	<ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>15-Dec-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	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%																									
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1042           PORIILAG.1044           PORIILAG.1046           PORIILAG.1047           PORIILAG.1048.01           PORIILAG.1048.01           PORIILAG.1048.02           PORIILAG.1048.03           PORIILAG.1048.03           PORIILAG.1048.04           PORIILAG.1048.050	Road Diversion at XYZ Junction         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 SMH006 to SMH007         Confirmation of Location of Manhole and Drainage Alignment         Sheet Piles Installation SMH008 Construction (~20m length)         Excavation to Formation Level for SMH008 (14D/manhole)         Laying of Drainage Tipe SMH008 (14D/manhole)         Laying of Drainage Trench for SMH008 Construction         Manhole Construction for SMH008 (14D/manhole)         Laying of Drainage Tipe SMH007 to SMH008         Backfilling of Drainage Tipe SMH007 to SMH008         Plate Load Test	30           10           7           28           14           14           7           30           3           3           14           5           10           7	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Sep           36         0         D17/08(6)         23-Oct           21         0         D17/08(6)         23-Oct           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         23-Oct           6         0         D17/08(6)         22-Nov           7         0         D17/08(6)         23-Nov           101         0         D17/08(6)         24-Nov           116         0         D17/08(6)         45-Jul-           4         0         D17/08(6)         14	19A         14-Nov-19           19A         24-Oct-19           19A         10-Nov-19           19A         10-Nov-19           19A         29-Oct-16           19A         15-Nov-19           19A         15-Nov-19           19A         15-Nov-19           19A         28-Nov-19           19A         28-Nov-19           19A         28-Nov-19           19A         28-Nov-19           19A         28-Nov-19           19A         28-Nov-19           0A         07-Jul-20           0A         25-Jul-20           0A         20-Jul-20           20A         05-Aug-21           19A         09-Nov-19	<ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-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	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%																									
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1040           PORIILAG.1042           PORIILAG.1046           PORIILAG.1046           PORIILAG.1047           PORIILAG.1048-01           PORIILAG.1048-02           PORIILAG.1048-03           PORIILAG.1048-03           PORIILAG.1048-04           PORIILAG.1048-04           PORIILAG.1045	Road Diversion at XYZ Junction           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 SMH006 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying 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 of SMH008 (14D/manhole)           Laying of Drainage Pipe SMH007 to SMH008           Backfilling of Drainage Trench for SMH008 Note           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Pipe SMH007 to SMH008           Backfilling of Drainage Trench for SMH007 to SMH008           Plate Load Test           Drainage (SMH201 to SMH202)	30 10 7 28 14 14 14 14 7 14 30 3 3 3 3 14 5 10 7 66	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         14-Oct           48         0         D17/08(6)         16-Seg           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         23-Oct           6         0         D17/08(6)         23-Oct           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         25-Nov           6         0         D17/08(6)         04-Jul-           101         0         D17/08(6)         04-Jul-           16         0         D17/08(6)         04-Jul-           5         0         D17/08(6)         05-Nov           59         0         Norte         01	19A         14-Nov-11           19A         24-Oct-15           19A         10-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         25-Jul-20           0A         07-Jul-20           0A         25-Jul-20           0A         25-Jul-20           0A         20-Jul-20           20A         05-Aug-21           19A         09-Nov-11           20A         14-Apr-20	<ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-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 27-Sep-21 27-Sep-21	0           0	100% 100% 100% 100% 100% 100% 100% 100%																									
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1040           PORIILAG.1042           PORIILAG.1046           PORIILAG.1046           PORIILAG.1048           PORIILAG.1048-01           PORIILAG.1048-02           PORIILAG.1048-03           PORIILAG.1048-04           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.1050           Construction of Southern           PORIILAG.1160-00	Road Diversion at XYZ Junction         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         Backfilling 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         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 SMH008         Backfilling of Drainage Trench 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)	30           10           7           28           14           14           14           7           14           30           3           14           5           10           7           66           14	81         0         D17/08(6         09-Aug           10         0         D17/08(6         14-Oct           48         0         D17/08(6         12-Sep           36         0         D17/08(6         23-Oct           21         0         D17/08(6         23-Oct           7         0         D17/08(6         23-Oct           6         0         D17/08(6         23-Oct           6         0         D17/08(6         22-Nov           6         0         D17/08(6         22-Nov           6         0         D17/08(6         25-Nov           6         0         D17/08(6         25-Nov           6         0         D17/08(6         04-Jul-           11         0         D17/08(6         04-Jul-           5         0         D17/08(6         04-Jul-           5         0         D17/08(6         01-Aug           5         0         D17/08(6         01-Aug           5         0         D17/08(6         01-Aug           5         0         D17/08(6         01-Aug           6         0         D17/08(6         01-Aug	19A         14-Nov-11           19A         24-Oct-15           19A         10-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         28-Nov-11           19A         01-Apr-20           0A         07-Jul-20           0A         07-Jul-20           0A         20-Jul-20           0A         20-Jul-20           0A         20-Jul-20           0A         05-Aug-2           19A         09-Nov-11           20A         14-Apr-20           20A         14-Apr-20           20A         14-Apr-20	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 27-Sep-21 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21	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%																									
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1040           PORIILAG.1042           PORIILAG.1046           PORIILAG.1046           PORIILAG.1047           PORIILAG.1048-01           PORIILAG.1048-02           PORIILAG.1048-03           PORIILAG.1048-03           PORIILAG.1048-04           PORIILAG.1048-04           PORIILAG.1045	Road Diversion at XYZ Junction           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 SMH006 to SMH006           Manhole Construction for SMH007 (14D/manhole)           Laying 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 of SMH008 (14D/manhole)           Laying of Drainage Pipe SMH007 to SMH008           Backfilling of Drainage Trench for SMH008 Note           Manhole Construction for SMH008 (14D/manhole)           Laying of Drainage Pipe SMH007 to SMH008           Backfilling of Drainage Trench for SMH007 to SMH008           Plate Load Test           Drainage (SMH201 to SMH202)	30 10 7 28 14 14 14 14 7 14 30 3 3 3 3 14 5 10 7 66	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         14-Oct           48         0         D17/08(6)         16-Seg           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         23-Oct           6         0         D17/08(6)         23-Oct           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         25-Nov           6         0         D17/08(6)         04-Jul-           101         0         D17/08(6)         04-Jul-           16         0         D17/08(6)         04-Jul-           5         0         D17/08(6)         05-Nov           59         0         Norte         01	19A         14-Nov-11           19A         24-Oct-15           19A         10-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         28-Nov-11           19A         01-Apr-20           0A         07-Jul-20           0A         07-Jul-20           0A         20-Jul-20           0A         20-Jul-20           0A         20-Jul-20           0A         05-Aug-2           19A         09-Nov-11           20A         14-Apr-20           20A         14-Apr-20           20A         14-Apr-20	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 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	0           0	100% 100% 100% 100% 100% 100% 100% 100%																									
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1040           PORIILAG.1042           PORIILAG.1046           PORIILAG.1046           PORIILAG.1048           PORIILAG.1048-01           PORIILAG.1048-02           PORIILAG.1048-03           PORIILAG.1048-04           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.1050           Construction of Southern           PORIILAG.1160-00	Road Diversion at XYZ Junction         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         Backfilling 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         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 SMH008         Backfilling of Drainage Trench 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)	30           10           7           28           14           14           14           7           14           30           3           14           5           10           7           66           14	81         0         D17/08(6         09-Aug           10         0         D17/08(6         14-Oct           48         0         D17/08(6         12-Sep           36         0         D17/08(6         23-Oct           21         0         D17/08(6         23-Oct           7         0         D17/08(6         23-Oct           6         0         D17/08(6         23-Oct           6         0         D17/08(6         22-Nov           6         0         D17/08(6         22-Nov           6         0         D17/08(6         25-Nov           6         0         D17/08(6         25-Nov           6         0         D17/08(6         04-Jul-           11         0         D17/08(6         04-Jul-           5         0         D17/08(6         04-Jul-           5         0         D17/08(6         01-Aug           5         0         D17/08(6         01-Aug           5         0         D17/08(6         01-Aug           5         0         D17/08(6         01-Aug           6         0         D17/08(6         01-Aug	19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-15           19A         10-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         28-Nov-11           19A         28-Nov-12           0A         07-Ju-20           0A         20-Ju-20           0A         20-Ju-20           0A         20-Ju-20           19A         09-Nov-11           20A         14-Apr-20           20A         21-Feb-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           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 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 27-Sep-21 27-Sep-21	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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     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 Sometuction         Manhole Construction for SMH007 to SMH008         Backfilling of Drainage Trench for SMH007 to SMH008	30           10           7           28           14           14           14           14           30           3           3           14           5           10           7           66           14           5           14	81         0         D17/08(6)         09-Aug           10         0         D17/08(6)         14-Oct           48         0         D17/08(6)         14-Oct           48         0         D17/08(6)         12-Seg           36         0         D17/08(6)         23-Oct           21         0         D17/08(6)         23-Oct           7         0         D17/08(6)         23-Oct           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         22-Nov           6         0         D17/08(6)         24-Nov           6         0         D17/08(6)         24-Nov           6         0         D17/08(6)         25-Nov           6         0         D17/08(6)         05-Jul-           16         0         D17/08(6)         05-Jul-           5         0         D17/08(6)         05-Nov           5         0         D17/08(6)         05-Nov           5         0         D17/08(7)         01-Fet           14         0         D17/08(7)         01-Fet           25         0         D17/08(6)         25-	19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-12           19A         10-Nov-11           19A         29-Oct-12           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-12           19A         21-Nov-11           19A         21-Nov-12           19A         21-Nov-12           0A         01-Apr-2C           20A         03-Jul-20           0A         25-Jul-20           0A         20-Jul-20           0A         20-Jul-20           0A         20-Jul-20           0A         20-Jul-20           20A         14-Apr-2C           20A <t< td=""><td><ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-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 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</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           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></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	<ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-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 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	0         0           0         0           0         0           0         0           0         0           0   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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           Drahage (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 SMH201 to SMH201 to SMH202           Utilities Ducts Laying across Road D9 (South Portion)           Backfilling to Interim Formation Level (+5.5mPD)	30           10           7           28           14           14           14           14           30           3           3           14           5           10           7           66           14           5           14           5           14           5           14           5           14           5	81         0         D17/08(6         09-Aug           10         0         D17/08(6         14-Oct           48         0         D17/08(6         14-Oct           48         0         D17/08(6         12-Seg           36         0         D17/08(6         23-Oct           21         0         D17/08(6         23-Oct           7         0         D17/08(6         24-Nox           6         0         D17/08(6         24-Nox           101         0         D17/08(6         24-Nox           5         0         D17/08(6         24-Nox           5         0         D17/08(6         04-Jul-           5         0         D17/08(6         04-Jul-           5         0         D17/08(6         04-Jul-           6         0         D17/08(7         01-Feet           14         0         D17/08(6         15-Febt <td>19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-12           19A         10-Nov-11           19A         29-Oct-12           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-12           19A         21-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         21-Nov-12           0A         01-Apr-2C           20A         03-Jul-20           0A         20-Jul-20           0A         20-Jul-20           0A         20-Jul-20           0A         20-Jul-20           20A         14-Apr-2C           20A         14-Apr-2C           20A         21-Mar-2C           20A         &lt;</td> <td><ul> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-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 27.Sep-21 27.Sep-21 27.Sep-21 27.Sep-21 27.Sep-21 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<li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-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 27.Sep-21	0         0           0         0	100% 100% 100% 100% 100% 100% 100% 100%																									
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  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 Sonstruction         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 SMH201 to 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 </td <td>30           10           7           28           14           14           14           7           30           3           3           14           5           10           7           66           14           5           14           5           10           7           66           14           5           14           5           14           5           15           7</td> <td>81         0         D17/08(6         09-Aug           10         0         D17/08(6         14-Oct           48         0         D17/08(6         14-Oct           48         0         D17/08(6         16-Seg           21         0         D17/08(6         23-Oct           21         0         D17/08(6         23-Oct           7         0         D17/08(6         23-Oct           6         0         D17/08(6         23-Oct           101         0         D17/08(6         23-Oct           6         0         D17/08(6         24-Nov           6         0         D17/08(6         04-Jul-           16         0         D17/08(6         04-Jul-           5         0         D17/08(6         05-Nov           5         0         D17/08(6         15-Nov           5         0         D17/08(6         15-Febt</td> <td>19A         14-Nov-11           19A         24-Oct-15           19A         10-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         28-Nov-11           19A         28-Nov-12           0A         07-Jul-20           0A         07-Jul-20           0A         20-Jul-20           0A         05-Aug-21           19A         09-Nov-11           20A         21-Heb-21           20A         21-Heb-22           20A         21-Mar-22           20A         21-Mar-22           20A         21-Mar-22           20A         21-Mar-22           20A         31-Mar-22           20A</td> <td>27-Sep-21           27-Sep-21           15-Dec-21           15-Dec-21           15-Dec-21           15-Dec-21           15-Dec-21           27-Sep-21           <td< 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 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SMH008 (14D/manhole)         Laying of Drainage Trench for SMH008 Construction         Manhole Construction for SMH008 (14D/manhole)         Laying of Drainage Trench for SMH008 NH008         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 SMH2011         Manhole Co	30           10           7           28           14           14           14           14           30           3           3           14           5           10           7           66           14           5           14           5           10           7           66           14           5           14           5           10           7           66           14           5           14           5           7           308	81         0         D17/08(6        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          19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         21-Nov-11           19A         25-Jul-20           0A         25-Jul-20           0A         25-Jul-20           19A         99-Nov-11           20A         21-Mar-20           20A         21-Mar-20           20A         21-Mar-20           20A         21-Mar-20           20A         21-Mar-20           20A</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 27-Sep-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 15-Dec-21 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 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       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  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 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 SMH201 to SMH201 to SMH201 to SMH202         Uitilies Ducts Laying across Road D9 (South Portion)         Backfilling of Site Vehicle Access to Seawall Side         Drainage (SMH001 to SMH003)         Excavation for m+1	30           10           7           28           14           14           14           7           14           30           3           3           3           14           5           10           7           66           14           5           14           5           14           5           14           5           14           5           14           5           14           5           14           5           14           5           14           20           15           7           308           10           7	81         0         D17/08(6         09-Aug           10         0         D17/08(6         14-Oct           48         0         D17/08(6         14-Oct           48         0         D17/08(6         12-Sep           36         0         D17/08(6         23-Oct           21         0         D17/08(6         23-Oct           7         0         D17/08(6         23-Oct           6         0         D17/08(6         23-Oct           6         0         D17/08(6         22-Nov           6         0         D17/08(6         24-Nov           6         0         D17/08(6         04-Jul-           10         0         D17/08(6         04-Jul-           5         0         D17/08(6         04-Jul-           4         0         D17/08(6         04-Jul-           5         0         D17/08(6         01-Aug           6         0         D17/08(6         04-Jul-           14         0         D17/08(6         04-Aug           14         0         D17/08(6         22-Fed           1         0         D17/08(6         22-Fed <td>19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-15           19A         10-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         20-Ju-20           0A         07-Ju-20           0A         07-Ju-20           0A         20-Ju-20           0A         20-Ju-20           0A         20-Ju-20           0A         20-Ju-20           0A         20-Ju-20           19A         9-Nov-11           20A         14-Feb-21           20A         14-Feb-22           20A         26-Mar-20           20A         14-Mar-22           20A         14-Mar-22           20A         14-Mar-22           20A         14-Mar-22           20A         14-Mar-22           20A         14-Mar-2</td> <td>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           <td< 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</td><td>100% 100% 100% 100% 100% 100% 100% 100%</td><td>age SMH</td><td></td><td>MHD03)</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><td></td><td></td><td></td><td></td><td></td><td></td></td<></td>	19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-15           19A         10-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         20-Ju-20           0A         07-Ju-20           0A         07-Ju-20           0A         20-Ju-20           0A         20-Ju-20           0A         20-Ju-20           0A         20-Ju-20           0A         20-Ju-20           19A         9-Nov-11           20A         14-Feb-21           20A         14-Feb-22           20A         26-Mar-20           20A         14-Mar-22           20A         14-Mar-22           20A         14-Mar-22           20A         14-Mar-22           20A         14-Mar-22           20A         14-Mar-2	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 <td< 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</td><td>100% 100% 100% 100% 100% 100% 100% 100%</td><td>age SMH</td><td></td><td>MHD03)</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><td></td><td></td><td></td><td></td><td></td><td></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	0         0           0         0	100% 100% 100% 100% 100% 100% 100% 100%	age SMH		MHD03)																						
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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           Backfilling of Drexitoti	30           10           7           28           14           14           14           14           30           3           3           14           5           10           7           66           14           20           15           7           308           10           7           308           10           7           308           30           32	81         0         D17/08(6         09-Aug           10         0         D17/08(6         14-Oct           48         0         D17/08(6         14-Oct           48         0         D17/08(6         12-Seg           36         0         D17/08(6         23-Oct           21         0         D17/08(6         23-Oct           7         0         D17/08(6         24-Nov           6         0         D17/08(6         25-Nov           6         0         D17/08(6         25-Jul-           16         0         D17/08(6         04-Jul-           16         0         D17/08(6         04-Jul-           16         0         D17/08(6         15-Hot           25         0         D17/08(6         25-Hot           14         0         D17/08(6         24-Har           8         0         D17/08(6         12-Hot <td>19.A         14-Nov-11           19.A         14-Nov-11           19.A         24-Oct-15           19.A         10-Nov-11           19.A         10-Nov-11           19.A         15-Nov-11           19.A         15-Nov-11           19.A         15-Nov-11           19.A         15-Nov-11           19.A         21-Nov-11           19.A         21-Nov-11           19.A         21-Nov-11           19.A         28-Nov-11           19.A         28-Nov-12           0.A         01-Apr-20           20.A         14-Apr-20           20.A         14-Apr-20           20.A         14-Apr-20           20.A         11-May-2      20.A         11-May-2      20.A</td> <td><ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>30-Sep-23</li> <li>30-Sep-23</li> <li>30-Sep-23</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 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</td> <td>100% 100% 100% 100% 100% 100% 100% 100%</td> <td>g Cross Ro</td> <td>Road UUs :</td> <td>at Wan C</td> <td>Road</td> <td>ion of P</td> <td>ad Footi</td> <td>ng (Ba</td> <td></td> <td>1)</td> <td></td>	19.A         14-Nov-11           19.A         14-Nov-11           19.A         24-Oct-15           19.A         10-Nov-11           19.A         10-Nov-11           19.A         15-Nov-11           19.A         15-Nov-11           19.A         15-Nov-11           19.A         15-Nov-11           19.A         21-Nov-11           19.A         21-Nov-11           19.A         21-Nov-11           19.A         28-Nov-11           19.A         28-Nov-12           0.A         01-Apr-20           20.A         14-Apr-20           20.A         14-Apr-20           20.A         14-Apr-20           20.A         11-May-2      20.A         11-May-2      20.A	<ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>30-Sep-23</li> <li>30-Sep-23</li> <li>30-Sep-23</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 15.Dec-21 15.Dec-21 15.Dec-21 15.Dec-21 15.Dec-21 27.Sep	0         0           0         0	100% 100% 100% 100% 100% 100% 100% 100%	g Cross Ro	Road UUs :	at Wan C	Road	ion of P	ad Footi	ng 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(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 SMH007 to SMH008           Backfilling of Drexitoti	30           10           7           28           14           14           14           14           14           30           3           3           14           5           10           7           66           14           20           15           7           308           10           7           300           32           50           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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           Backfilling of Drexitoti	30           10           7           28           14           14           14           7           14           30           3           3           14           5           10           7           66           14           20           15           7           308           10           7           308           10           7           308           10           7           308           10           7           302           50           612           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28-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         20-Anov-11           19A         20-Anov-11           19A         28-Nov-11           19A         20-Anov-11           19A         20-Anov-11           19A         20-Marc20           0A         07-Jul-20           0A         20-Jul-20           20A         20-Marc20           20A         21-Marc20           20A         21-Marc20           20A         21-Marc20           20A         21-Marc20           20A         11-Mary-22           20A         11-Mary-22           20A         11-Mary-22           20A         11-Mary-22           20A <td><ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>27-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 27.Sep-21 27.Sep-21 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(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 SMH007 to SMH008           Backfilling of Drexitoti	30           10           7           28           14           14           14           7           14           30           3           3           14           5           10           7           66           14           20           15           7           308           10           7           308           10           7           308   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        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 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 SMH201 to SMH201 to SMH201 to SMH202         Uitilies Ducts Laying across Road D9 (South Portion)         Backfilling of Site Vehicle Access to Seawall Side         Drainage (SMH001 to SMH003)         Excavation for Thermation Level (+5.5mPD)         Shifting of Site Vehi	30           10           7           28           14           14           14           7           14           30           3           3           14           5           10           7           66           14           20           15           7           308           10           7           308           10           7           308           10           7           308           10           7           302           50           612           597	81         0         D17/08(6         09-Aug           10         0         D17/08(6         14-Oct           48         0         D17/08(6         14-Oct           48         0         D17/08(6         12-Sep           36         0         D17/08(6         23-Oct           21         0         D17/08(6         23-Oct           7         0         D17/08(6         23-Oct           6         0         D17/08(6         23-Nov           6         0         D17/08(6         04-Jul-           16         0         D17/08(6         04-Jul-           5         0         D17/08(6         15-Jul-           4         0         D17/08(6         15-Jul-           14         0         D17/08(6         12-Jul- <td>19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-15           19A         10-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         20-A           01-Apr-20         00-A           03-Jul-20         00-A           00-A         25-Jul-20           00-A         25-Jul-20           01-Apr-20         20-A           20A         14-Apr-20           20A         14-Apr-20           20A         14-Apr-20           20A         21-Nar-20           20A         14-Apr-20           20A         14-Apr-20           20A         14-Apr-20           20A         14-May-2           20A         19-May-2           20A         19-May-2           20A         19-May-2      20A         19-May-2&lt;</td> <td><ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>30-Sep-23</li> <li>30-Sep-23</li> <li>30-Sep-23</li> <li>27-Sep-21</li> <li>27-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 27-Sep</td> <td>0     0       13     23</td> <td>100% 100% 100% 100% 100% 100% 100% 100%</td> <td>g Cross Ro</td> <td>toed ULS : 30-</td> <td>at Wan C Nov-21, 0</td> <td>phậtructi</td> <td>ion of P</td> <td>ad Footi</td> <td></td> <td></td> <td>1)</td> <td>Date</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Revisia</td> <td>ion</td> <td></td> <td></td> <td></td> <td></td> <td>ecked</td> <td></td> <td></td> <td></td>	19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-15           19A         10-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         28-Nov-11           19A         20-A           01-Apr-20         00-A           03-Jul-20         00-A           00-A         25-Jul-20           00-A         25-Jul-20           01-Apr-20         20-A           20A         14-Apr-20           20A         14-Apr-20           20A         14-Apr-20           20A         21-Nar-20           20A         14-Apr-20           20A         14-Apr-20           20A         14-Apr-20           20A         14-May-2           20A         19-May-2           20A         19-May-2           20A         19-May-2      20A         19-May-2<	<ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>30-Sep-23</li> <li>30-Sep-23</li> <li>30-Sep-23</li> <li>27-Sep-21</li> <li>27-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 27-Sep	0     0       13     23	100% 100% 100% 100% 100% 100% 100% 100%	g Cross Ro	toed ULS : 30-	at Wan C Nov-21, 0	phậtructi	ion of P	ad Footi			1)	Date						Revisia	ion					ecked			
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PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1042           PORIILAG.1042           PORIILAG.1044           PORIILAG.1048           PORIILAG.1048.01           PORIILAG.1048.02           PORIILAG.1048.03           PORIILAG.1048.04           PORIILAG.1048.03           PORIILAG.1048.04           PORIILAG.1048.03           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.03           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.106.00           PORIILAG.1160.02           PORIILAG.1160.03           PORIILAG.1160.03           PORIILAG.1000           PORILAG.100	Road Diversion at XYZ Junction         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         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         Backfilling to Interim Formation Level (+5.5mPD) <tr< td=""><td>30 10 7 28 14 14 14 7 14 30 3 3 3 3 14 5 10 7 66 14 20 15 7 66 14 20 15 7 7 308 10 7 308 10 7 5 5 4 10 5 7 5 5 4</td><td>81       0       D17/08(6       09-Aug         10       0       D17/08(6       14-Oct         48       0       D17/08(6       14-Oct         48       0   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   15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         28-Nov-11           19A         01-Apr-20           20A         16-Apr-20           20A         14-Apr-20           20A         14-Apr-20           20A         11-May-2           20A         11-May-2           20A         11-May-2           20A         11-May-2           20A         11-May-2           19A         &lt;</td><td><ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>27-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 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>g Cruss Ro Sep-21 A,</td><td>toati ULsi ¥ 30 ▼ 18-No North Bo</td><td>at Wan C Nov-21, -21 Bas und</td><td>bnstructi</td><td></td><td></td><td></td><td></td><td>08-N 08-N</td><td>Лаг-2 Лау-2</td><td>21 -21</td><td>_</td><td>onthly F</td><td></td><td>ramme</td><td>e Upda</td><td>ate (Ma</td><td></td><td>,</td><td></td><td></td><td>ecked</td><td></td><td>-</td><td><u>p</u></td></tr<>	30 10 7 28 14 14 14 7 14 30 3 3 3 3 14 5 10 7 66 14 20 15 7 66 14 20 15 7 7 308 10 7 308 10 7 5 5 4 10 5 7 5 5 4	81       0       D17/08(6       09-Aug         10       0       D17/08(6       14-Oct         48       0       D17/08(6       14-Oct         48       0       D17/08(6       14-Oct         48       0       D17/08(6       12-Seg         21       0       D17/08(6       23-Oct         21       0       D17/08(6       23-Oct         7       0       D17/08(6       23-Oct         6       0       D17/08(6       23-Oct         6       0       D17/08(6       23-Oct         6       0       D17/08(6       23-Oct         101       0       D17/08(6       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      20A         11-May-2           20A         11-May-2           20A         11-May-2           20A         11-May-2           19A         <	<ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>27-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	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 Cruss Ro Sep-21 A,	toati ULsi ¥ 30 ▼ 18-No North Bo	at Wan C Nov-21, -21 Bas und	bnstructi					08-N 08-N	Лаг-2 Лау-2	21 -21	_	onthly F		ramme	e Upda	ate (Ma		,			ecked		-	<u>p</u>
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1042           PORIILAG.1042           PORIILAG.1044           PORIILAG.1044           PORIILAG.1048           PORIILAG.1048-01           PORIILAG.1048-02           PORIILAG.1048-03           PORIILAG.1048-03           PORIILAG.1048-04           PORIILAG.1048-03           PORIILAG.1048-04           PORIILAG.1048-03           PORIILAG.1048-04           PORIILAG.1048-03           PORIILAG.1048-04           PORIILAG.1048-03           PORIILAG.1048-04           PORIILAG.1048-04           PORIILAG.1048-03           PORIILAG.1060           PORIILAG.1160-02           PORIILAG.1160-02           PORIILAG.1160-03           PORIILAG.1030           PORIILAG.1000           PORIILAG.1000           PORIILAG.102           PORIILAG.102           PORIILAG.102           PORIILAG.102           PORIILAG.102           PORIILAG.100           PORIILAG.100           PORIILAG.100 <td>Road Diversion at XYZ Junction         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         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         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of SMH2011         Stezevation for Construction and Pipe Laying between SMH201 to SMH202         Utilities Ducts Laying across</td> <td>30 10 7 28 14 14 14 14 30 3 3 3 3 14 5 10 7 6 6 14 5 10 7 6 6 14 5 14 20 15 7 7 308 10 7 308 10 7 308 10 7 5 5 4</td> <td>81       0       117/08(6       09-Aug         10       0       117/08(6       14-Oct         48       0       117/08(6       14-Oct         36       0       117/08(6       12-Seg         36       0       117/08(6       23-Oct         21       0       117/08(6       23-Oct         7       0       117/08(6       22-Nov         6       0       117/08(6       24-Nov         6       0       117/08(6       25-Nov         6       0       117/08(6       25-Nov         6       0       117/08(6       05-Jun         16       0       117/08(6       05-Jun         5       0       117/08(6       05-Jun         16       0       117/08(6       05-Jun         5       0       117/08(6       15-Jun         5       0       117/08(6       15-Jun         14       0       117/08(6       25-Mox         14       0       117/08(6       25-Mox         14       0       117/08(6       27-Apr         16       0       117/08(6       27-Apr         16       0<td>19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-15           19A         15-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         15-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         28-Nov-11           19A         04-Nov-21           20A         05-Aug-21           20A         14-Apr-20           20A</td><td><ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>27-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 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>g Cruss Ro Sep-21 A,</td><td>toati ULsi ¥ 30 ▼ 18-No North Bo</td><td>at Wan C Nov-21, -21 Bas und</td><td>bnstructi</td><td></td><td></td><td></td><td></td><td>08-N 08-N</td><td>Лаг-2 Лау-2</td><td>21 -21</td><td>M</td><td>onthy P</td><td>Progra</td><td>ramme amme</td><td>e Upda e Upda</td><td>ate (Ma ate (Ma</td><td>ay 202</td><td>21)</td><td></td><td>TL CkT</td><td>ecked</td><td>StL StL</td><td>- -</td><td></td></td>	Road Diversion at XYZ Junction         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         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         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of Drainage Trench for SMH007 to SMH008         Backfilling of SMH2011         Stezevation for Construction and Pipe Laying between SMH201 to SMH202         Utilities Ducts Laying across	30 10 7 28 14 14 14 14 30 3 3 3 3 14 5 10 7 6 6 14 5 10 7 6 6 14 5 14 20 15 7 7 308 10 7 308 10 7 308 10 7 5 5 4	81       0       117/08(6       09-Aug         10       0       117/08(6       14-Oct         48       0       117/08(6       14-Oct         36       0       117/08(6       12-Seg         36       0       117/08(6       23-Oct         21       0       117/08(6       23-Oct         7       0       117/08(6       22-Nov         6       0       117/08(6       24-Nov         6       0       117/08(6       25-Nov         6       0       117/08(6       25-Nov         6       0       117/08(6       05-Jun         16       0       117/08(6       05-Jun         5       0       117/08(6       05-Jun         16       0       117/08(6       05-Jun         5       0       117/08(6       15-Jun         5       0       117/08(6       15-Jun         14       0       117/08(6       25-Mox         14       0       117/08(6       25-Mox         14       0       117/08(6       27-Apr         16       0       117/08(6       27-Apr         16       0 <td>19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-15           19A         15-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         15-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         28-Nov-11           19A         04-Nov-21           20A         05-Aug-21           20A         14-Apr-20           20A</td> <td><ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>27-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 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>g Cruss Ro Sep-21 A,</td> <td>toati ULsi ¥ 30 ▼ 18-No North Bo</td> <td>at Wan C Nov-21, -21 Bas und</td> <td>bnstructi</td> <td></td> <td></td> <td></td> <td></td> <td>08-N 08-N</td> <td>Лаг-2 Лау-2</td> <td>21 -21</td> <td>M</td> <td>onthy P</td> <td>Progra</td> <td>ramme amme</td> <td>e Upda e Upda</td> <td>ate (Ma ate (Ma</td> <td>ay 202</td> <td>21)</td> <td></td> <td>TL CkT</td> <td>ecked</td> <td>StL StL</td> <td>- -</td> <td></td>	19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-15           19A         15-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         15-Nov-11           19A         29-Oct-15           19A         15-Nov-11           19A         28-Nov-11           19A         04-Nov-21           20A         05-Aug-21           20A         14-Apr-20           20A	<ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>27-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	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 Cruss Ro Sep-21 A,	toati ULsi ¥ 30 ▼ 18-No North Bo	at Wan C Nov-21, -21 Bas und	bnstructi					08-N 08-N	Лаг-2 Лау-2	21 -21	M	onthy P	Progra	ramme amme	e Upda e Upda	ate (Ma ate (Ma	ay 202	21)		TL CkT	ecked	StL StL	- -	
PORIILAG.1015           PORIILAG.1020           PORIILAG.1030           PORIILAG.1035           PORIILAG.1040           PORIILAG.1042           PORIILAG.1042           PORIILAG.1044           PORIILAG.1048           PORIILAG.1048.01           PORIILAG.1048.02           PORIILAG.1048.03           PORIILAG.1048.04           PORIILAG.1048.03           PORIILAG.1048.04           PORIILAG.1048.03           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.03           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.1048.04           PORIILAG.106.00           PORIILAG.1160.02           PORIILAG.1160.03           PORIILAG.1160.03           PORIILAG.1000           PORILAG.100	Road Diversion at XYZ Junction         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 SMH007 (14D/manhole)         Laying of Drainage Pipe SMH006 to SMH007         Backfilling of Drainage Trench for SMH007 (14D/manhole)         Laying 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 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 SMH201 to SMH201 to SMH201 to SMH201 to SMH202         Uiltites Ducts Laying across Road D9 (South Portion)         Backfilling to Interim Formation Level (+5.5mPD)         Shifting of Site Vehicle Access to Seawall Side<	30 10 7 28 14 14 14 7 14 30 3 3 3 3 14 5 10 7 66 14 20 15 7 66 14 20 15 7 7 308 10 7 308 10 7 5 5 4 10 5 7 5 5 4	81       0       117/08(6       09-Aug         10       0       117/08(6       14-Oct         48       0       117/08(6       14-Oct         36       0       117/08(6       12-Seg         36       0       117/08(6       23-Oct         21       0       117/08(6       23-Oct         7       0       117/08(6       22-Nov         6       0       117/08(6       24-Nov         6       0       117/08(6       25-Nov         6       0       117/08(6       25-Nov         6       0       117/08(6       05-Jun         16       0       117/08(6       05-Jun         5       0       117/08(6       05-Jun         16       0       117/08(6       05-Jun         5       0       117/08(6       15-Jun         5       0       117/08(6       15-Jun         14       0       117/08(6       25-Mox         14       0       117/08(6       25-Mox         14       0       117/08(6       27-Apr         16       0       117/08(6       27-Apr         16       0 <td>19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-15           19A         10-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         28-Nov-11           19A         01-Apr-20           20A         16-Apr-20           20A         14-Apr-20           20A         14-Apr-20           20A         11-May-2           20A         11-May-2           20A         11-May-2           20A         11-May-2           20A         11-May-2           19A         &lt;</td> <td><ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>27-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 27.Sep-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 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-24 15.Dec-21 15.Dec-21 15.Dec-21 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-24 5.Dec-21 15.Dec-21 30.Sep-23 30.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>g Cruss Ro Sep-21 A,</td> <td>toed ULS : 30-</td> <td>at Wan C Nov-21, -21 Bas und</td> <td>bnstructi</td> <td></td> <td></td> <td></td> <td></td> <td>08-N 08-N 08-J</td> <td>/lar-2</td> <td>21 -21 1</td> <td>M</td> <td></td> <td>Progra Progra</td> <td>ramme amme ramme</td> <td>e Upda e Upda e Upda</td> <td>ate (Ma ate (Ma</td> <td>ay 202</td> <td>21)</td> <td></td> <td>TL</td> <td>ecked</td> <td>StL</td> <td>- - -</td> <td></td>	19A         14-Nov-11           19A         14-Nov-11           19A         24-Oct-15           19A         10-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         15-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         21-Nov-11           19A         28-Nov-11           19A         01-Apr-20           20A         16-Apr-20           20A         14-Apr-20           20A         14-Apr-20           20A         11-May-2           20A         11-May-2           20A         11-May-2           20A         11-May-2           20A         11-May-2           19A         <	<ul> <li>27-Sep-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>15-Dec-21</li> <li>27-Sep-21</li> <li>27-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 27.Sep-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 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-24 15.Dec-21 15.Dec-21 15.Dec-21 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-23 30.Sep-24 5.Dec-21 15.Dec-21 30.Sep-23 30.Sep-	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 Cruss Ro Sep-21 A,	toed ULS : 30-	at Wan C Nov-21, -21 Bas und	bnstructi					08-N 08-N 08-J	/lar-2	21 -21 1	M		Progra Progra	ramme amme ramme	e Upda e Upda e Upda	ate (Ma ate (Ma	ay 202	21)		TL	ecked	StL	- - 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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-N15 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		)8(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.				
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		- Of	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%										
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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
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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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				Duration Duration	Duration					Float	Complete	ct No	v Dec	Jan	Feb	Mar Apr	r Ma	iy Ji	un	Jul Aı	ig Se
	PORIII.AG.1860	Construction of Pad Footing Bay NB-N14 Wal Stem		10 50	0 017	7/08(6 16-Jul-20 A	11-Sep-20	15-Dec-21	15-Dec-21	0	100%										
•         •         ·	PORIII.AG.1870	Construction of Pad Footing Bay NB-N15 Wal Stem		10 36	6 0 017	7/08(6 16-Jul-20 A	26-Aug-20	15-Dec-21	15-Dec-21	0	100%										
	PORIII.AG.1880	Construction of Pad Footing Bay NB-N16 Wal Stem			9 0 017	7/08(6 02-Sep-20 A	11-Sep-20	15-Dec-21	15-Dec-21	0	100%										
Control         Control <t< td=""><td>PORIII.AG.1890</td><td>Construction of Pad Footing Bay NB-N17 Wal Stem</td><td></td><td>14 14</td><td>4 0 017</td><td>7/08(6 11-Oct-21 A</td><td>27-Oct-21</td><td>20-Oct-21</td><td>20-Oct-21</td><td>0</td><td>100%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	PORIII.AG.1890	Construction of Pad Footing Bay NB-N17 Wal Stem		14 14	4 0 017	7/08(6 11-Oct-21 A	27-Oct-21	20-Oct-21	20-Oct-21	0	100%										
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PMPLC 0000         Sufflex Framework with an open w	_																				
PTFAL:00       National methods participants and interacting our a	_		ng DS3			, ,						tional Sig	Footing DS								
Plankaka       Plankaka <th< 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><td></td><td></td><td></td><td></td><td></td></th<>																					
PM-04       SMP-04	PORIII.AG.1260	Installation of Directional Sign and Steel Frame		10 106	6 017	7/08(6 03-Jul-21 A	03-Jan-22	15-Feb-22	21-Feb-22	39 0	40%			Installa	ation of Dir	rectional Sign	and Ste	el Frame	e		
04/Pask 0210       04/Pask 02100       04/Pask 02100       <	PORIII.AG.2010	Excavation and Construction of Directional Sign Foot	ng DS7	14 0	0 14 017	7/08(6 04-Jan-22	19-Jan-22	22-Feb-22	09-Mar-22	39 0	0%		-	<b>-</b>	xcavation	and Construc	tion of D	irectiona	al Sign F	oting DS7	1
Part ALC:00       Number of Decision (Sprov Result       Part Part Part Part Part Part Part Part	PORIII.AG.2020	Backfilling to Formation Level		20 0	20 017	7/08(6 20-Jan-22	15-Feb-22	10-Mar-22	01-Apr-22	39 0	0%			. He							
Photo         Photo <th< td=""><td>PORIII.AG.2021</td><td>Civil Provision for At-Grade Road South</td><td></td><td>30 0</td><td>30 017</td><td>7/08(6 06-Dec-21</td><td>12-Jan-22</td><td>20-Dec-21</td><td>27-Jan-22</td><td>13</td><td>0%</td><td></td><td></td><td><b>-</b>Civi</td><td>Provision</td><td>for At-Ġrade</td><td>Road So</td><td>puth</td><td></td><td></td><td></td></th<>	PORIII.AG.2021	Civil Provision for At-Grade Road South		30 0	30 017	7/08(6 06-Dec-21	12-Jan-22	20-Dec-21	27-Jan-22	13	0%			<b>-</b> Civi	Provision	for At-Ġrade	Road So	puth			
Number Networks Part Process Part Part Process Part Part Part Part Part Part Part Part	PORIII.AG.2030	Installation of Directional Sign and Steel Frame		10 0	10 017	7/08(6 16-Feb-22	26-Feb-22	02-Apr-22	14-Apr-22	39 0	0%				·	Installation of	Direction		1.1		
Market in Charles         Optimize in Charles	lan O Road			898 735	5 163	20-May-19 A	30-May-22	27-Aug-21	30-Sep-23	399						1	╧╋	30	)-Maiy-22	,Wan;OR	oad
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WOOL TRUE         Implementation of TRA. Barger         OIS 1000 (0 Subure 40 TrA. Barger         OIS 10000 (0 Subure 40 TrA. Barger         OIS 1000 (	TTA Stage 1			186 436	δ 0	07-Aug-19 A	22-Jan-21	27-Aug-21	30-Sep-23												
Bits         Description         Descripion <thdescription< th=""> <thdes< td=""><td>TTA Stage 2</td><td></td><td></td><td>745 582</td><td>2 163</td><td>20-Nov-19 A</td><td>30-May-22</td><td>27-Aug-21</td><td>30-Sep-23</td><td>399</td><td>-</td><td>┝╋┝╸</td><td></td><td></td><td></td><td></td><td>╧╋┩</td><td>30</td><td>)-1<mark>1</mark>1ay-22</td><td>, TTA Stag</td><td>e 2</td></thdes<></thdescription<>	TTA Stage 2			745 582	2 163	20-Nov-19 A	30-May-22	27-Aug-21	30-Sep-23	399	-	┝╋┝╸					╧╋┩	30	)-1 <mark>1</mark> 1ay-22	, TTA Stag	e 2
Problem         Problem <t< td=""><td>WO.CA.TTA2010</td><td>Implementation of TTA Stage 2</td><td></td><td>1 1</td><td>I 0 017</td><td>7/08(7 05-Jan-20 A</td><td>05-Jan-20</td><td>27-Aug-21</td><td>27-Aug-21</td><td>0</td><td>100%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	WO.CA.TTA2010	Implementation of TTA Stage 2		1 1	I 0 017	7/08(7 05-Jan-20 A	05-Jan-20	27-Aug-21	27-Aug-21	0	100%										
WOLCATURAP         Production Pice Freeding Works a Weithern Reactabood of Weith Data (PDR) (PDR)         4         4         4         0         17/1008         11/44/201         27/40/21         0         100/01           WOLCATURAP         Pertificing at Martine Reactabood of Weith Data (PDR) (PDR)         15         6         0         77/2086         11/44/20         30/89/23         5         100/01           WOLCATURAP         Pertificing at Martine Reactabood of Weith Data (PDR) (PDR)         15         7         0         17/48/20         30/89/23         5         100/01           WOLCATURAP         Reside and Wolca Turkar         30/89/23         27/49/21         27/49/21         27/49/21         27/49/21         0         100/01           WOLCATURAP         Noncome Turkar         Lake Mark (Noncome Turkar         Lake Mark	Northern Portion			686 563	3 123	12-Dec-19 A	07-Apr-22	27-Aug-21	30-Sep-23	439							7-Apr 22	, Northe	rr Portio	r i	
WOCATURN         Pesking at Norme Roundboot of Wan D Rad (D707)(fig)         15         6         0         170008         2Made 20         56-20         5         1000           WOCATURN         Desking at Name Roundboot of Wan D Rad (D707)(fig)         15         6         0         170008         1Made 20         56-20         5         1000           WOCATURN         Desking at Name Roundboot of Wan D Rad (D707)(fig)         15         6         0         170008         1Made 20         2Fage 20         0         1000           WOCATURN         Desking at Name Roundboot of Wan D Rad (D707)(fig)         55         7         0         170008         2Made 20         2Fage 21         0         1000           WOCATURN         Lass of HG L and Shing of L and set with O Rad (D707)(fig)         58         27         0         1000         2Fage 21         0         1000           WOCATURN         Lass of HAM         C ANTAR         Lass of HAM         4 AMade 20         2Fage 21         0         1000           WOCATURN         Lass of HAM         0         710000         1 AMade 20         2Fage 21         0         1000           WOCATURN         Lass of HAM         0         710000         1 AMade 20         2Fage 21         0         1				36 27	7 0 017	7/08(6 02-Mar-20 A	01-Apr-20	27-Aug-21	30-Sep-23												
WOALTB2P         Producting at National Routing of National Routing National Routing of Nation	WO.CA.TTA2NP	Inspection Pit for Predrilling Works at Northern Round	about		4 0 017	7/08(6 11-Mar-20 A	14-Mar-20	27-Aug-21	27-Aug-21	0						1					
WOULD TRAVE         Unschwaren of Rg 5 driet         I	WO.CA.TTA2NP.	Predrilling at Northern Roundabout of Wan O Road (I	PD80)(Rig5)	15 8	3 0 017	7/08(6 02-Mar-20 A	10-Mar-20	30-Sep-23	30-Sep-23	5	100%										
WO.CA TRAPP         Perioding at Markim Readebox of War O Read (P070) (Rg)         10         7         0         17000         120-023         274-024         0         100-02         77600         0         100-02         77600         0         100-02         77600         0         100-02         77600         0         100-02         77600         125-0130         0         177600         125-0130         127-0130	WO.CA.TTA2NP.	Predrilling at Northern Roundabout of Wan O Road (I	PD77)(Rig5)	15 6	6 0 017	7/08(6 11-Mar-20 A	17-Mar-20	30-Sep-23	30-Sep-23	5	100%										
PBSW Works         PDSW Wo	WO.CA.TTA2NP.	Demobilization of Rig 5 off site		1 1	I 0 017	7/08(6 18-Mar-20 A	18-Mar-20	30-Sep-23	30-Sep-23	0	100%										
WOOL TRUNP         Lasses with C2P and Shifting of C2P cates at With O Read Natherm Foring         4         138         0         17/07/07         24.000         75/96-21         75/96-21         75/96-21         0         10/07           WOOL TRUNP         Lasses with C2P and Shifting of C2P cates at With O Read Natherm Foring         4         55         0         17/07/07         24.000         146/920         75/96-21         0         10/07           WOOL TRUNP         Noncontrol Control Contro Control Control Contro Contro Control Control Contr	WO.CA.TTA2NP.	Predrilling at Northern Roundabout of Wan O Road (I	PD76)(Rig3)	15 7	7 0 017	7/08(6 25-Mar-20 A	01-Apr-20	27-Aug-21	27-Aug-21	5	100%										
WOCA TRANE         Lab Delivery of High cases to OVD-16 (PACEOS)         30         61         0         777006         144-920         778-92-1         0         1005           WOCA TRANE         Backet and the second of PBM12boxs. Rg 1 (PC0)         61.345         64         0         777006         144-922         778-92-1         0         1005           WOCA TRANE         Backet and the second of PBM12boxs. Rg 1 (PC0)         61.345         65         0         777006         144-922         778-92-1         778-92-1         0         1005           WOCA TRANE         Backet and the second of PBM17boxs. Rg 1 (PC0)         10         777006         144-92-0         778-92-1	PBSH Works			245 297	7 0	12-Dec-19 A	11-Dec-20	27-Sep-21	08-Oct-21												1
WOCA Tra2sP         Dervoy Design on PC02044 (PMA4)         4         56         O         OTOBING         1-May 20         27.Sep-21         0         1000h           WOCA Tra2sP         Dervoy Undrated C2 Procest Sumuru, Lision with CJP and Perké         9         0         770066         1-May 20         27.Sep-21         0         1000h           WOCA Tra2sP         Dervoy Undrated C2 Procest Sumuru, Lision with CJP and Perké         9         0         770066         1-May 20         27.Sep-21         0         1000h           WOCA Tra2sP         Dervoy Undrated C2 Procest Sumuru, Lision with CJP and Perké         0         770066         1-May 20         77506-21         0         1000h           WOCA Tra2sP         Dervoy Cartinution of PBSI (from, 5g 2) (PC07, 6g)         3         0         770066         2-May 21         0.60241         0.60241         0         1000h           WOCA Tra2sP         Dervoy Cartinution of PBSI (from, 5g 1) (PC0407)         46         0         177066         2-May 21         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241         0.60241	WO.CA.TTA2NP.	Liasion with CLP and Shifting of CLP cables at Wan	O Road Northern Footp	4 138	3 0 017	7/08(7 12-Dec-19 A	27-Apr-20	27-Sep-21	27-Sep-21	0	100%										
WOCA TR2NP         Decompt of Unchannel LUP Concrete Summark, LUP and Revie         30         94         0         970086         11.4m.20.A         358p-27         27.5sp-21         0         10006           WOCA TR2NP         Destination of PBSH (Zhons, Rg. 2) (POS), 61, 3660)         76         190         0         10006           WOCA TR2NP         Destination of PBSH (Zhons, Rg. 2) (POS), 763         30         76         0         1107086         144a-20.A         144a-20.Z         144a-20.Z         170786         142a-20.Z         10006         144a-20         149a-22         129a-21         129a-20         10006         10006	WO.CA.TTA2NP	Late Delivery of H-pile due to COVID-19 (NCE083)		30 81	I 0 017	7/08(7 29-Jan-20 A	18-Apr-20	27-Sep-21	27-Sep-21	0	100%										
W0 CA TR2MP       Construction of PBS1 (Cance, Rg 2) (PCOR 01, 63.456)       76       0       170706       15.4pc.20.4       10.00×2       27.4pp.21       0       1000×         W0 CA TR2MP       Construction of PBS1 (Inco, Rg 2) (PCOR 58)       80       76       0       170706       12.4pc.20.4       41.4pc.20.4       14.4pc.20.4       14.4	WO.CA.TTA2NP.	Review Design on PC60-64 (PMI044)		4 56	6 0 017	7/08(6 04-Mar-20 A	14-May-2(	27-Sep-21	27-Sep-21	0	100%					-					
W0 CA TM2NP       Pervised Design on PC37 & PC38 (PM404)       60       50       0       177086       14May24       27-Smp-21       0       10055         W0 CA TM2NP       Construction of PB314 (PK36 Rg) (PC7-2)       46       60       0       177086       124May24       28-bb/24       0       10055         W0 CA TM2NP       Construction of PB314 (PK36 Rg) (PC7-2)       46       00       0       077086       124May24       28-bb/24       06-0621       0       10055         W0 CA TM2NP       Construction of PB314 (PC38 (PS)       0       177086       124May24       28-bb/24       06-0621       0       10055         W0 CA TM2NP       Construction of PB314 (PC38 (PS)       60       177086       14May24       27-Smp-21       0       10055         W0 CA TM2NP       Instantion of Short plas 1PC53       12       4       077086       174May21       27-Smp-21       0       10055       8         W0 CA TM2NP       Instantion of Short plas 1PC53       12       4       0       177086       04May21.4       174May21       27-Smp-21       0       10055       8         W0 CA TM2NP       Instantion of Short plas 1PC53       12       0       177086       04May21.4       154May21       27-Smp-21	WO.CA.TTA2NP.	Discovery of Uncharted CLP Concrete Surround, Lias	ion with CLP and Revie	30 94	4 0 017	7/08(6 11-Jun-20 A	30-Sep-2(	27-Sep-21	27-Sep-21	0	100%										
WOLCA TRAPP       Construction of PBS1 (from, Rg 2) (PC37-66)       30       76       0       177086       0.459-20.4       0.400-21       0       100%         WOLCA TRAPP       Construction of PBS1 (from, Rg 1) (PC03F-672)       46       0       177086       2.449-20.4       0.840-21       0.600-21       0       100%         WOLCA TRAPP       Construction of PBS1 (from, Rg 1) (PC03F-PC72)       46       0       177086       2.449-20.4       0.840-21       0.600-21       0       100%         WOLCA TRAPP       Construction of PBS1 (from, Rg 1) (PC03F-PC72)       46       0       177086       2.449-20.4       14.49-20       0.60-0-21       0       100%         WOLCA TRAPP       Installation of Sheet pie at PC38       12       4       0       177086       1.449-22       2.589-21       2.589-21       0       100%       stall       100%       stall       100%       stall       100%       stall       stall       stall       6.449-21       6.499-21       2.589-21       2.589-21       100%       stall       stall       stall       100%       stall       stall       stall       stall       stall       100%       stall       stall       stall       stall       stall       stall       stall       stal	WO.CA.TTA2NP.	Construction of PBSH (23nos, Rig 2) (PC60, 61, 63-6	5)	76 199	0 017	7/08(6 15-Apr-20 A	10-Dec-20	27-Sep-21	27-Sep-21	0	100%										
• WOCATR2NP       Construction of PBSH (froms, Rig 1) (PC056-907)       30       76       0       170080       0459-204       0459-204       0       100%         • WOCATR2NP       Construction of PBSH (froms, Rig 1) (PC054-9072)       46       0       177086       24Aye226       08-04:21       0       100%         • WOCATR2NP       Construction of PBSH (froms, Rig 1) (PC054-PC72)       46       0       177086       24Aye226       18-04:21       0       100%         • WOCATR2NP       Construction of PBSH (froms, Rig 1) (PC054-PC72)       60       118       0       177086       24Aye226       18-04:21       25       4       177086       14-04:21       25       4       4       0       177086       14-04:21       27-58-21       2       0       100%       100%       4       4       0       177086       14-04:21       27-58-21       2       0       100%       4       4       0       177086       14-04:21       27-58-21       2       0       100%       4       4       0       177086       14-04:21       27-58-21       2       0       100%       4       5-884 H H of PC08       4       4       0       177086       14-04:21       14-04:21       2       10       10				60 50	0 017	7/08(6 11-Mar-20 A	14-May-2(	27-Sep-21	27-Sep-21	0	100%										
W0 QA TTA2NP       Construction of PBSH (lines, Rg 1) (PC66-PC2)       46       90       177086       24Apr220A       15Aug22       06-Qi-21       06-Qi-21       0       100%         W0 QA TTA2NP       Construction of PBSH (lines, Rg 1) (PC66-PC2)       60       118       0       177086       24Apr220A       11-Dac-20       06-Qi-21       0										0											
W0.CA TTX2NP       Construction of PBSH (fixes, Rg 1) (PC/07/2)       64       99       0       17/7088       24Au20A       15Aug-20       66-02-21       0       100%         W0.CA TTX2NP       Construction of RSH (fixes, Rg 1) (PC/07/2)       66       17/7088       24Au20A       11-bac-20       08-0d-21       06-0d-21       0       100%         W0.CA TTX2NP       Installation of Sheet pite at PC68       12       4       0       17/7088       31-bac-20A       06-lan-21       27-Sep-21       20       100%         W0.CA TTX2NP       Installation of Sheet pite at PC68       12       4       0       17/7088       06-lan-21       27-Sep-21       0       100%       100%       0       100%       0       100%       0       100%       0       100%       0       100%       0       100%       0       100%       0       100%       0       100%       0       100%       0       100%       0       100%       0       100%       0       0       100%       0       100%       0       100%       0       100%       0       100%       0       100%       0       0       100%       0       0       0       0       0       0       0       0 <td></td> <td></td> <td></td> <td></td> <td></td> <td>, ,</td> <td></td> <td></td> <td></td> <td>0</td> <td></td>						, ,				0											
WOCA TTA2VP       Construction of PBSH (Hanos, Rig 1) (PC66-PC72)       60       118       0       17008(6       24-Jake20A       11-boe-20       06-0d-21       0       100%         Excavation and Comstruction of PBSH (Hanos, Rig 1) (PC66-PC72)       157       252       4       31709(6)       31-boe-20A       06-Jan-21       27-Sep-21       0       100%       4       4-bv-21, Escavation and Construction of RC Structure         WOCA TTA2VP       Installation of Struts and Exavation to PIE Cap Level at PC58       13       7       0       117008(6       0+Mmrc21 A       17-Amrc2       17-Sep-21       27-Sep-21       0       100%       Abv-21, Escavation and Construction of RC Struts and Construction of RC Struts and Construction of RC Struts and Exavation of PIE Cap Level at PC58       13       7       0       117008(6       0+Mmrc21 A       17-Mmrc2       27-Sep-21       27-Sep-21       0       100%       Abv-21, Escavation and Construction of RC Struts and R					-											-					
Excavation and Construction of RC Structure         157         252         4         17108(6         31-Dec20.A         114by-21         27-Sep-21         12-Obs/21         25           WO_CA_TTRXPN         Instalation of Shute tiple at PC58         12         4         0         17708(6         31-Dec20.A         06-Jan 21         27-Sep-21         0         100%         5           WO_CA_TTRXPN         Instalation of Shute tiple at PC58         14         4         0         17708(6         09-Marc21.         7/Marc21         27-Sep-21         100%         18         5 act Marc2         0         100%         18         5 act Marc2         100%         10         100%         10						, ,					-	<b> <b> </b>-<b> </b></b>	<b> </b>					tr÷†∙	-	1	
WOCA TTA2NP       Instalation of Sheet pie at PCS8       12       4       0       17/08(6)       31-28-20A       0       100%       5         WOCA TTA2NP       Instalation of Shuts and Excavation to Pile Cap Level at PCS8       13       7       0       17/08(6)       09-Marc21       27-Sep-21       27-Sep-21       0       100%       5         WOCA TTA2NP       Construction of Pile Cap PCS8       14       46       0       17/08(6)       09-Marc21       17/58p-21       27-Sep-21       1       100%       IA       5       ent File of PCS8         WOCA TTA2NP       Construction of Pile Cap PCS8       20       0       17/08(6)       12-Navp21       27-Sep-21       2       100%       IA       5       ent File of PCS8         WOCA TTA2NP       Concrete Block Instalation as Lateral Support on top of Box Culvert       25       0       17/08(6)       15-Mirc21A       10-Apr/21       68-Odc-21       0       100%       IB-Sep-1       7-Sep-21       -Sep-1												┝	Nov-21 ⊏	cavatio	and Con	struction of P	C Stn ct	e			
WO.CA. TTA2NP.       Installation of Struts and Excavation to Pile Cap Level at PC58       13       7       0       177086       09-Mar-21A       17748r-21       27.Sep-21       0       100%       53         WO.CA. TTA2NP.       Construction of Pile Cap PC58       14       6       0       177086       09-Mar-21A       07.May-21       27.Sep-21       100%       at 8.Sect File for PC58         WO.CA. TTA2NP.       Construction of NDE       3       3       0       177086       16-Jun-21A       19-Jun-21       27.Sep-21       0       100%       at 8.Sect File for PC58         WO.CA. TTA2NP.       Concrete Bock Installation as Lateral Support on top of Box Quivert       25       5       0       177086       16-Jun-21A       16-Jun-21       08-Oct-21       0       100%       at 8.Sect File for PC58         WO.CA. TTA2NP.       Construction of Pile Caps (PC60-PC72)       120       124       0       177086       16-Mar-21A       16-Aug-21       08-Oct-21       0       100%       at 8.Sect File for PC58       (27.)         WO.CA. TTA2NP.       Construction of Pile Caps (PC60-PC72)       120       14       0       177086       18-Mar-21       11-Mar-21       12-Oct-21       25       0       95.Se6       (27.)       Onstruction of Pile Caps (PC60-PC72)											100%	[					- Gulut	Ĩ			
<ul> <li>WOCA, TTA2NP</li> <li>Onstruction of Pile Cap PC58</li> <li>WOCA, TTA2NP</li> <li>Backfill &amp; menoval of Waling, Strut &amp; Sheet Pile for PC58</li> <li>WOCA, TTA2NP</li> <li>Backfill &amp; menoval of Waling, Strut &amp; Sheet Pile for PC58</li> <li>WOCA, TTA2NP</li> <li>Dexisin of MOE</li> <li>WOCA, TTA2NP</li> <li>Construction of ELS (PC60-PC72)</li> <li>UD 17/086</li> <li>IF Vender</li> <li>WOCA, TTA2NP</li> <li>Construction of Pile Caps (PC60-PC72)</li> <li>VICO, TTA2NP</li> <li>Onstruction of Pile Caps (PC60-PC72)</li> <li>VICO, TTA2NP</li> <li>Construction of Nead and Daras (include backfilling to formation level)</li> <li>VICO, TTA2NP</li> <li>Construction of Sheet Piles (PC60-PC72)</li> <li>VICO, TTA2NP</li> <li>Construction of Sheed Piles (PC60-PC72)</li> <li>VICO, TTA2NP</li></ul>		-	l at PC58																		
<ul> <li>WO,CA, TTA2NP             Backfill &amp; removal of Waling, Strut &amp; Sheet Ple for PC58             <ul> <li>WO,CA, TTA2NP             Diversion of MCE</li> <li>WO,CA, TTA2NP             Diversion of MCE</li> <li>WO,CA, TTA2NP             Diversion of MCE</li> <li>WO,CA, TTA2NP             Construction of Eax Culvert</li> <li>S 2</li> <li>MO,CA, TTA2NP             Construction of Ple Caps (PC60-PC72)</li> <li>120             124             <ul> <li>MO,CA, TTA2NP             Construction of Ple Caps (PC60-PC72), 14D/cap, 3teams)</li> <li>151                 </li> <li>MO,CA, TTA2NP             Construction of Ple Caps (PC60-PC72, 14D/cap, 3teams)</li> <li>151                 </li> <li>MO,CA, TTA2NP             Construction of Road and Drains (include backfilling to formation level)</li> <li>MO,CA, TTA2NP                 </li> <li>MO,CA, TTA2NP                 </li> <li>Construction of Road and Drains (include backfilling to formation level)</li> <li>MO,CA, TTA2NP                 </li> <li>MO,CA, TTA2NP                 </li> <li>Construction of Road and Drains (include backfilling to formation level)</li> <li>MO,CA, TTA2NP                 </li> <li>MO,CA, TTA2NP                 </li> <li>Construction of Sheet Ples (PC60-PC72)</li> <li>MO,CA, TTA2NP                 </li> <li>Construction of Sheet Ples (PC60-PC72)</li> <li>MO,CA, TTA2NP                 </li> <li>Construction of Sheet Ples (PC60-PC72)</li> <li>MO,CA, TTA2NP                 </li></ul></li></ul></li></ul>									-												
<ul> <li>WO,CA, TTA2NP</li> <li>Diversion of MOE</li> <li>WO,CA, TTA2NP</li> <li>Concrete Block hstallation as Lateral Support on top of Box Culvert</li> <li>ZS</li> <li>MO,CA, TTA2NP</li> <li>Construction of ELS (PG60-PC72)</li> <li>WO,CA, TTA2NP</li> <li>Construction of Pic Caps (PG60-PC72, 14D/cap, 3teams)</li> <li>MO,CA, TTA2NP</li> <li>Construction of Pic Caps (PG60-PC72, 14D/cap, 3teams)</li> <li>MO,CA, TTA2NP</li> <li>Construction of Pic Caps (PG60-PC72, 14D/cap, 3teams)</li> <li>MO,CA, TTA2NP</li> <li>Construction of Pic Caps (PG60-PC72, 14D/cap, 3teams)</li> <li>MO,CA, TTA2NP</li> <li>Construction of Pic Caps (PG60-PC72, 14D/cap, 3teams)</li> <li>MO,CA, TTA2NP</li> <li>Construction of Pic Caps (PG60-PC72, 14D/cap, 3teams)</li> <li>MO,CA, TTA2NP</li> <li>Construction of Road and Dains (include backfilling to formation level)</li> <li>MO,CA, TTA2NP</li> <li>Construction of Road and Dains (include backfilling to formation level)</li> <li>MO,CA, TTA2NP</li> <li>Construction of Road and Dains (include backfilling to formation level)</li> <li>MO,CA, TTA2NP</li> <li>Construction of Road and Dains (include backfilling to formation level)</li> <li>MO,CA, TTA2NP</li> <li>Construction of Road and Dains (include backfilling to formation level)</li> <li>MO,CA, TTA2NP</li> <li>Construction of Watermains, Ingation, Power Cable Ducting, Ovi Provision C</li> <li>MO,CA, TTA2NP</li> <li>Construction of Semi-Noise Endosuse CH13878.6 to CH140212 Min Fram</li> <li>MO,CA, TTA2NP</li> <li>Construction of Road Karbing at Northerm Can</li> <li>MO,CA, TTA2NP</li></ul>		-	758								-	e chert	lefer DOSP					┢╌┊╌┠╴		++	
											_										
WO.CA. TTA2NP       Construction of ELS (PC60-PC72)       120       124       0       117/086       15-Mar-21 A       16-Aug-21       08-Oct-21       08-Oct-21       12-Oct-21       2-25       0       95.56%       postruction of Plie Caps (PC60-PC72, 14D/cap, 3teams)       90       151       4       17/086       12-Nov-21       17-20-21       2-25       0       95.56%       postruction of Plie Caps (PC60-PC72, 14D/cap, 3teams)       90       150       14       17/086       12-Nov-21       17-02-22       13-Oct-21       14-Apr-22       6       0       0.0%       0.7-Apr-22       14-Op-27			of Pox Outwart							•											
WO.CA.TTA2NP       Construction of Pile Caps (PC60-PC72, 14D/cap, 3teams)       90       151       4       017/08(6       08-May-21 A       11-Nov-21       08-Oct-21       1-20       1-25       0       95.56%         MO.CA.TTA2NP       Construction of Pile Caps (PC60-PC72, 14D/cap, 3teams)       119       017/08(6       12-Nov-21       07-Apr-22       13-Oct-21       14-Apr-22       6       0.7-Apr-22       Remaining Works         WO.CA.TTA2NP       Construction of Road and Drains (include backfilling to formation level)       45       0       45       17/08(6       22-Nov-21       22-Oct-21       10-Dec-21       -34       0       0%         WO.CA.TTA2NP       Construction of Sheet Piles (PC60-PC72)       11       0       11       17/08(6       22-Nov-21       24-Nov-21       13-Oct-21       25       0       0%         WO.CA.TTA2NP       Construction of Watermains, rigation, Power Cable Ducting, Ovil Provision (       75       0       75       117/08(6       32-Nov-21       24-Nov-21       18-Mar-22       17       0       0%			or box cuiveft										El + 1 +								
WO.CA. TRA2NP.       Construction of Road and Drains (include backfilling to formation level)       45       0       45       017/08(6       29-Nov-21       22-Jan-22       20-Oct-21       10-Dec-21       -34       0       0%         WO.CA. TRA2NP.       Removal of Sheet Piles (PO60-PC72)       11       0       11       011       117/08(6       12-Nov-21       24-Nov-21       13-Oct-21       25       0       0%         WO.CA. TRA2NP.       Construction of Watermains, trigation, Power Cable Ducting, Ovil Provision c       75       0       75       017/08(6       25-Nov-21       26-Feb-22       14-Dec-21       18-Mar-22       17       0       0%         WO.CA. TRA2NP.       Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Main Fram.       45       0       45       117/08(6       30-Nov-21       24-Jan-22       02-Mar-22       29       0       0%         WO.CA. TRA2NP.       Construction of Road Kerb, Road Paving and Road Marking at Northern Can       30       0       30       117/08(6       12-Jan-22											100% f		( <sup>2</sup> )		_	DOT					
WO.CA. TRA2NP.       Construction of Road and Drains (include backfilling to formation level)       45       0       45       017/08/6       29-Nov-21       22-Jan-22       20-Oct-21       10-Dec-21       -34       0       0%         WO.CA. TRA2NP.       Removal of Sheet Piles (PC60-PC72)       11       0       11       011       017/08/6       12-Nov-21       24-Nov-21       13-Oct-21       25-0       0       0%         WO.CA. TRA2NP.       Construction of Wate mains, trigation, Power Cable Ducting, Ovil Provision c       75       0       75       017/08/6       25-Nov-21       26-Feb-22       14-Dec-21       18-Mar-22       17       0       0%         WO.CA. TRA2NP.       Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Main Fram.       45       0       45       017/08/6       30-Nov-21       24-Jan-22       02-Mar-22       29       0       0%         WO.CA. TRA2NP.       Construction of Road Kerb, Road Paving and Road Marking at Norther Carr       30       0       30       117/08/6       10-Dec-21       18-Mar-22       29       0       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%       0%		Construction of Pile Caps (PC60-PC72, 14D/cap, 3te	ams)								95.56%		pnstruction	ot Hile C	aps (PO60	р-РС/2, 14D/c	ap, 3tea	ms)	. <b>.</b>	<b>.</b>	
WO.CA. TTA2NP       Removal of Sheet Piles (PC60-PC72)       11       0       11       017/086       12-Nov-21       24-Nov-21       13-Oct-21       2-5       0       0%         WO.CA. TTA2NP       Construction of Wate mains, trigation, Power Cable Ducting, Quil Provision c       75       0       75       017/08(6       25-Nov-21       26-Feb-22       14-Dec-21       18-Mar-22       17       0       0%         WO.CA. TTA2NP       Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Main Fram       45       0       45       017/08(6       12-Feb-22       11-Dec-21       18-Mar-22       29       0       0%         WO.CA. TTA2NP       Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Sub-Frame       45       0       45       017/08(6       12-Feb-22       11-Dec-21       18-Mar-22       29       0       0%         WO.CA. TTA2NP       Construction of Road Kerb, Road Paving and Road Marking at Northem Can       30       0       30       17/08(6       12-Feb-22       11-Dec-21       18-Jan-22       34       0       0%         WO.CA. TTA2NP       Construction of Road Kerb, Road Paving, Traffic Sign, Street Lighting       30       0       30       17/08(6       0-Amr-22       02-Mar-22       14-Der-21       18-Jan-22       34       0       0% </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td></td>						-	-	-													
WO.CA. TTA2NP.       Construction of Wale mains, hrigation, Power Cable Ducting, Qvil Provision c       75       0       75       017/08/6       25-Nov-21       26-Feb-22       14-Dec-21       18-Mar-22       17       0       0%         WO.CA. TTA2NP.       Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Main Fram       45       0       45       017/08/6       30-Nov-21       24-Jan-22       02-Mar-22       29       0       0%         WO.CA. TTA2NP.       Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Main Fram       45       0       45       017/08/6       10-Dec-21       12-Feb-22       21-Jan-22       02-Mar-22       29       0       0%         WO.CA. TTA2NP.       Construction of Road Kerb, Road Paving and Road Marking at Northem Can       30       0       30       17/08/6       10-Mar-22       02-Mar-22       18-Mar-22       19-Jan-22       34       0       0%         WO.CA. TTA2NP.       Construction of Road Kerb, Road Paving, Traffic Sign, Street Lighting       30       0       30       17/08/6       0-Amr-22       02-Mar-22       19-Jan-22       34       0       0%         WO.CA. TTA2NP.       Konstruction of Road Paving, Traffic Sign, Street Lighting       30       0       30       17/08/6       0-Amr-22       0-Amr-22       34		, ,	o tormation level)									<b>1</b> h	10	- <b>P</b> -			nd Urains	a (include	e packfilli	ng to form	ation leve
WO.CA. TRA2NP       Construction of Wate mains, frigation, Power Cable Ducting, Ovil Provision c       75       0       75       01 <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>Removal</td> <td>of Sheet</td> <td>·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		, ,										•	Removal	of Sheet	·						
WO.CA. TRA2NP       Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Main Fram       45       0       45       017/08/6       30-Nov-21       24-Jan-22       02-Mar-22       29       0       0%       Image: Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Main Fram       45       0       45       017/08/6       107/08/6       10-Dec-21       12-Feb-22       21-Jan-22       12-Feb-22       21-Jan-22       12-Feb-22       21-Jan-22       12-Feb-22       21-Jan-22       12-Feb-22       21-Jan-22       12-Feb-22       21-Jan-22       12-Feb-22       12-												'				Construction (	of Water				
WO.CA. TTA2NP.       Construction of Road Kerb, Road Paving and Road Marking at Northern Can       30       0       30       117/08 (6       24-Jan-22       02-Mar-22       11-Dec-21       18-Jan-22       -34       0       0%       Construction of Road Kerb       Road Paving, Traffic Sign, Street Lighting       30       0       30       117/08 (6       3-Mar-22       07-Apr-22       19-Jan-22       25-Feb-22       -34       0       0%       Molection of Road Kerb       Road Paving, Traffic Sign, Street Lighting       Road Paving, Traffic Sign, Street Lighting       0       11       117/08 (6       14-Feb-22       01-Mar-22       25-Feb-22       -34       0       0%       Mole Cool of Carriage Way and Road Marking       Road Paving, Traffic Sign, Street Lighting       Road Pa	WO.CA.TTA2NP.	Construction of Semi-Noise Enclosure CH13878.6 to	CH14021.2 Main Fram	45 0	45 017	7/08(6 30-Nov-21	24-Jan-22	05-Jan-22	02-Mar-22	29 0			<b>†</b>		Constructi	on of Semi-N	oise End	losure C	<b>⊁13</b> 878	.6 to CH14	021,2 Ma
WO.CA. TTA2NP.       Construction of Road Kerb, Road Paving and Road Marking at Northern Can       30       0       30       17/08(6       24-Jan-22       02-Mar-22       11-Dec-21       18-Jan-22       -34       0       0%       Construction of Road Kerb       Road Paving, and Road Marking       Road Paving, and Road Marking         WO.CA. TTA2NP.       Construction of Road Paving, Traffic Sign, Street Lighting       30       0       30       17/08(6       3-Mar-22       07-Apr-22       19-Jan-22       25-Feb-22       -34       0       0%       Image: Construction of Road Kerb       Road Paving, Traffic Sign, Street Lighting       Road Paving, Traffic Sign, Street L	WO.CA.TTA2NP.	Construction of Semi-Noise Enclosure CH13878.6 to	CH14021.2 Sub-Frame	45 0	45 017	7/08(6 16-Dec-21	12-Feb-22	21-Jan-22	18-Mar-22	29 0	0%		-	-	Con	struction of Se	emi-Noisr	Enclos	sure CH1	3878.6 to	CH14021
WO.CA.TTA2NP.       Make Good of Carriage Way and Road Marking       14       0       14       017/08/6       14-Feb-22       01-Mar-22       29-Mar-22       37       0%       1       Make Good of Carriage Way and Road Marking         Southern Portion and Central Barrier       745       582       163       20-Nov-19A       30-May-22       27-Aug-21       30-Sep-23       399       1       1       10/-lay-22, Southern Portion and Warking         Predrilling Works (16-nos, 10D/hole + 5D TRA, 1-3 rigs)       133       125       0       20-Nov-19A       24-Apr-20       27-Aug-21       30-Sep-23       399       1	WO.CA.TTA2NP.	Construction of Road Kerb, Road Paving and Road M	Aarking at Northern Can	30 0	30 017	7/08(6 24-Jan-22	02-Mar-22	11-Dec-21	18-Jan-22	-34 0	0%			L-		Construction	n of Road	Kent F	Rcad Pav	vng a¦nd R	Road
WO.CA.TTA2NP.       Make Good of Carriage Way and Road Marking       14       0       14       017/08/6       14-Feb-22       01-Mar-22       29-Mar-22       37       0%       14       14       0       14       017/08/6       14-Feb-22       01-Mar-22       29-Mar-22       37       0%       14       14       14       14       17/08/6       14-Feb-22       01-Mar-22       29-Mar-22       37       0%       14	WO.CA.TTA2NP.	Construction of Road Paving, Traffic Sign, Street Ligh	ting	30 0	30 017	7/08(6 03-Mar-22	07-Apr-22	19-Jan-22	25-Feb-22	-34 0	0%					0	onstructo	on of Ro	load Pavir	ing, Traffic \$	Sign, Stre
Southern Portion and Central Barrier       745       582       163       20-Nov-19 A       30-May-22       27-Aug-21       30-Sep-23       399       399       399       309 <th< td=""><td></td><td></td><td></td><td>14 0</td><td></td><td></td><td></td><td></td><td>14-Apr-22</td><td>37</td><td>0%</td><td></td><td></td><td></td><td>L</td><td></td><td>of Carria</td><td>e Way</td><td>and Roa</td><td>Maiking</td><td></td></th<>				14 0					14-Apr-22	37	0%				L		of Carria	e Way	and Roa	Maiking	
- Predrilling Works (16nos, 10D/hole + 5D TRA, 1-3 rigs) 133 125 0 20-Nov-19 A 24-Apr-20 27-Aug-21 30-Sep-23											-	┿╋╋					━┿╋┩	🚽 sc	)- <b>M</b> ay-22	, Southern	Portion a
							-					1	1		<b></b>			r f		1	
							-			0	100%										

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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		date (J	ul 202	1)			KT			StL		
J	ramme	e				ľ	KT			Stl		

	, ,	nme Update	Original		emaining Calendar Start	Finish		Late Finish	Total TRA	Activity %	d D9 and Associated Works
					Duration				Float	Complete O	t Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan F
	Rig 5		81		0 017/08(6 20-Nov-19 A		27-Aug-21		-	4000/	
		Predrilling at Central Barrier of Wan O Road (PD112) Predrilling at Central Barrier of Wan O Road (PD113)	15		0 017/08(6 20-Nov-19 A 0 017/08(6 29-Nov-19 A		27-Aug-21 27-Aug-21	27-Aug-21	5	100%	
	_		15		``			27-Aug-21		-	
		Predrilling at Central Barrier of Wan O Road (PD114)	3		0 017/08(6 06-Dec-19 A 0 017/08(6 14-Dec-19 A		27-Aug-21	27-Aug-21	5	100%	
ŀ		Idling of Predrill Rig for PD114 by Sub-contractor Predrilling at Central Barrier of Wan O Road (PD120)	15		0 017/08(6 12-Feb-20 A		30-Sep-23	30-Sep-23	0	100%	
ŀ			15				30-Sep-23	30-Sep-23 30-Sep-23	5	100%	
		Predrilling at Central Barrier of Wan O Road (PD111)			0 017/08(6 16-Jan-20 A		30-Sep-23	· ·			
		Predrilling at Central Barrier of Wan O Road (PD82)	15		0 017/08(6 03-Feb-20 A	11-Feb-20	30-3ep-23	30-Sep-23	5	100%	
	Rig 2 Rig 3		0	-	0 017/08(6 04-Dec-19 A	24-Apr-20	27-Aug-21	27-Aug-21	0		
		Predrilling at Central Barrier of Wan O Road (PD115)	15		0 017/08(6 04-Dec-19 A		27-Aug-21	27-Aug-21	5	100%	
		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%	
			15						5	100%	
		Predrilling at Central Barrier of Wan O Road (PD119) Predrilling at Central Barrier of Wan O Road (PD121)	15		0 017/08(6 08-Feb-20 A 0 017/08(6 17-Feb-20 A		27-Aug-21 27-Aug-21	27-Aug-21	5	100%	
			15				-	27-Aug-21	5	100%	
	_	Predrilling at Central Barrier of Wan O Road (PD122)			0 017/08(6 24-Feb-20 A		27-Aug-21	27-Aug-21	5		
	_	Predrilling at Central Barrier of Wan O Road (PD83)	15		0 017/08(6 12-Mar-20 A		27-Aug-21	27-Aug-21		100%	
		Predrilling at Central Barrier of Wan O Road (PD79)	15		0 017/08(6 17-Apr-20 A	· ·	27-Aug-21	27-Aug-21	5	100%	
		Predrilling at Central Barrier of Wan O Road (PD78)	15		0 017/08(6 02-Apr-20 A		27-Aug-21	27-Aug-21	5	100%	
	PBSH Works		331		0 29-Jan-20 A		27-Sep-21	11-Oct-21		4000/	
	_	Late Delivery of H-pile due to COVID-19 (NCE083)	30		0 017/08(7 29-Jan-20 A			08-Oct-21	0	100%	┝╌╋╊╌┨╬╌╍╌┊╌╍╌╄╌┊╌╌╌╠╌╍╌┊┦╫┊┧╷┨╬╌┠╌┊╌╍╴┊╌╍╴┊╌╍╴┊╌╍╴┊╌╸╴┊
	_	Construction of PBSH (25nos, Rig 1) (PC73 to PC81)	75		0 017/08(6 03-Mar-20 A		08-Oct-21	08-Oct-21	0	100%	
		Construction of PBSH (12nos, Rig 2) (PC59 & PC62)	45		0 017/08(6 01-Sep-20 A		27-Sep-21	27-Sep-21	0	100%	
	WO.CA.TTA2SP.		21		0 017/08(6 19-Jan-21 A			11-Oct-21	0	100%	
		struction of RC Structure	246		38 017/08(6 09-Jan-21 A		-	14-Jan-22	18		▼ 21-Dec-21, Excavation and Construction of RC Structure
	_	Installation of Sheet Piles (PC59, PC62)	18		0 017/08(6 09-Jan-21 A		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		Construction of ELS (PC59, PC52)
	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 Wall 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 52
	WO.CA.TTA2SP.	Construction of Pile Caps (PC74, PC77 and PC79)	18	64	0 017/08(6 04-Feb-21 A	28-Apr-21	23-Nov-21	23-Nov-21		100% 7	
	WO.CA.TTA2SP.	Construction of Pile Cap (PC75, PC78, PC80)	26	26	0 017/08(6 30-Mar-21 A	04-May-21	23-Nov-21	23-Nov-21		100%)	
	WO.CA.TTA2SP.	Construction of Pile Cap (PC73)	14	11	0 017/08(6 19-Aug-21 A	01-Sep-21	23-Nov-21	23-Nov-21		100% io	of Pue (PC73)
	WO.CA.TTA2SP.	Construction of Pile Cap (PC57)	14	105	11 017/08(6 05-Jul-21 A	25-Nov-21	31-Dec-21	14-Jan-22	41	20%	Construction of Pile Cap (PC57)
	WO.CA.TTA2SP.	Diversion of MOE	4	0	4 017/08(6 08-Nov-21	11-Nov-21	27-Sep-21	30-Sep-21	-34	0%	Version of MOE
	WO.CA.TTA2SP.	Construction of Pile Cap (PC 76)	14	0	14 017/08(6 12-Nov-21	27-Nov-21	02-Oct-21	19-Oct-21	-34	0%	Construction of Pile Cap (PC 76)
- 24	Remaining Works		140	0	140 017/08(6 04-Dec-21	30-May-22	23-Nov-21	14-Apr-22	-34	-	0.1 ray 22, Remaining Works
	WO.CA.TTA2SP.	Construction of Drainage SMH501 to SMH506 and backfilling to formation	ation le 25	0	25 017/08(6 11-Dec-21	12-Jan-22	23-Nov-21	21-Dec-21	-16 0	0%	Construction of Drainage SM-J5(1 to SM-J50) and backfilling to formation level
	WO.CA.TTA2SP.	Construction of Drainage SMH506 to SMH401 and backfilling to formation	ation le 25	0	25 017/08(6 13-Jan-22	14-Feb-22	22-Dec-21	22-Jan-22	-16 0	0%	Construction of Drainage SMH506 o SMH401 and backfilling to formation level
	WO.CA.TTA2SP.	Removal of Sheet Pile	6	0	6 017/08(6 15-Feb-22	21-Feb-22	24-Jan-22	29-Jan-22	-16 0	0%	Removal of Sheet Pie
	WO.CA.TTA2SP.	Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Main	n Fram 45	0	45 017/08(6 04-Dec-21	28-Jan-22	15-Jan-22	11-Mar-22	33 0	0%	Canstruction of Semi-Noise Endosure CH(3878,6 to CH14021.2 Main Frame
	WO.CA.TTA2SP.	Construction of Semi-Noise Enclosure CH13878.6 to CH14021.2 Sub	Frame 45	0	45 017/08(6 21-Dec-21	17-Feb-22	04-Feb-22	28-Mar-22	33 0	0%	Construction of Serhi-Vore Endosure CH13878.6 to CH14021.2:Sub Frame and Panel
	WO.CA.TTA2SP.	Construction of Watermains, Irrigation, Power Cable Ducting, Civil Pro	vision c 20	0	20 017/08(6 22-Feb-22	16-Mar-22	31-Jan-22	25-Feb-22	-16 0	0%	Construction of Watermains, Irrigation, Power Cable Ducting, Givil Provision of TCSS
		Construction of Road Kerb, Road paving and Road Marking at South		0	30 017/08(6 08-Apr-22	18-May-22	26-Feb-22	01-Apr-22	-34 0	0%	Construction of Road Kerb, Road paving and Road Marking at Southern Carr
	WO.CA.TTA2SP.	Construction of Road Paving, Shrub, Tree Planting, Traffic Sign, Stree	t Lighti 30	0	30 017/08(6 23-Apr-22	30-May-22	10-Mar-22	14-Apr-22	-34 0	0%	Constituction of Road Paving, Shrub, Tree Planting, Traffic Sigh, Street Lig
		Make Good of Carriageway and Road Marking	14		14 017/08(6 18-Feb-22	05-Mar-22	29-Mar-22	14-Apr-22	33	0%	Make Good of Camageway and Road Marking
	Po Road		648		152 017/08(6 11-Mar-20 A	19-May-22	11-Sep-21	30-Sep-23	408	-	19-Vay 22, Wan Po Road
		d Earthing Conductor at Portion III (CE030)	307	305	0 017/08(6 11-Mar-20 A	20-Mar-21	30-Sep-23	30-Sep-23		r	It Perton III (ČE030)
	WO1250	Liasion with C1 and CLP for Cable Duct and Earth Conductor at Wan	Po Ro; 90	110	0 017/08(6 11-Mar-20 A			30-Sep-23	0	100%	
	WO1255	Subtletting and Acceptance of Quotation for TTA	90	110	0 017/08(6 11-Mar-20 A	25-Jul-20	30-Sep-23	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	30-Sep-23	0	100%	
	WO1258	Application of Road Work Advice	10		0 017/08(6 03-Aug-20 A			30-Sep-23	0	100%	╌╊┠╌╌╡╌╌┊╴╴┊╴╴┊╴┼╫╴╡╄╌╢╴╡╄╴╋╝╴╴╡╴╴┊╴╴╴┊╴╴╴┊
	WO1259	Set up TTA	1	1	0 017/08(6 17-Aug-20 A	-		30-Sep-23	0	100%	
	WO1269	Site Clearance	5	5	0 017/08(6 18-Aug-20 A			30-Sep-23	0	100%	
	WO1203	Excavation for Ducting Works	7	-	0 017/08(6 24-Aug-20 A	-		30-Sep-23	0	100%	
	WO1289	Delivery of GI Duct	10		0 017/08(6 01-Aug-20 A			30-Sep-23	0	100%	
	WO1289 WO1299	Ducting Works	9		0 017/08(6 10-Sep-20 A		-	30-Sep-23	0	100%	
	WO1299 WO1309	Backfilling, Reinstatement of Road Works and Closing of TTA	6		0 017/08(6 15-Mar-21 A	-	30-Sep-23	30-Sep-23	0	100% 100% T	
	WO1309 WO1319	Handover to C1 for Power Energization of the E&M Plant Room (CE0			0 017/08(6 15-1041-21 A	20-Mar-21	00-00p-20	30-Sep-23	0		om (CE030),
							11 Cor 04	-		100% 40	
	Van Po Road Works Footpath		267		152 017/08(6 24-Jun-21 A 152 017/08(6 24-Jun-21 A		11-Sep-21 11-Sep-21	18-Mar-22 18-Mar-22	-47 -47		19-Vay-22, Wan Po Road Works
	East Bound (5 stag	ges. ~20m/stage)	152		152 017/08(6 09-Nov-21	-	11-Sep-21 11-Sep-21	18-Mar-22	-47	-	19-Way-22, Fortuau 19-Way-22, East Bound (5 stages, ~20m/stage)
	WP1140	Implementation of TTA, Trial Pit Excavation and Identification of UU (1			8 017/08(6 09-Nov-21		11-Sep-21	21-Sep-21	-47 0	0%	► Implementation of TTA, Trial Pit Excavation and kentification of UU (1st stage)
	WP1150	Civil Provision of TCSS (1st stage)	3		3 017/08(6 18-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		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	-	5 017/08(6 01-Dec-21	07-Dec-21		12-Oct-21	-47 0	0%	Reinstatement of Road Surface and Closing of TrA 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		12-Oct-21 22-Oct-21	-47 0	0%	Implementation of TTA, Trial Pit Excavation and kentificiation 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		22-Oct-21 29-Oct-21	-47 0	0%	Excavation and Construction of Directional Sign Footing Dis4 (2nd stage)
	WP1200	Installation of Steel Frame and Directional Sign (2nd stage)	ge) 0	0	8 017/08(6 23-Dec-21	05-Jan-22		08-Nov-21	-47 0	0%	Advance and Construction of Directional Sign (2nd stage)
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	WP1210	Construction of Traffic Sign TS175(7) (2nd stage)	8	-		14-Jan-22				0%	Construction of Iramic Sign 1511 540 (2nd stage)
	WP1220	Civil Provision of TCSS (2nd stage)	5		5 017/08(6 14-Jan-22	20-Jan-22		23-Nov-21	-47 0	0%	
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	🔲 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%										entification o		d 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%		i	-	📕 Çiv	il Provision	of TCS	ard Çor	struction	n of dra	vpit (3rd stag	ge)						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%		1	<b>L</b>							of TTA (3rd st							-			
	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%					Impleme	ntation of	TA, Tria	I Fit Exc	cavation	and Identific	cation of	fUU (3¦rd s	tage)				-			
	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%				- <b>F</b>	Civil P	rovision	of ICSS	anc Con	nstructio	of drawpit (	(3rd stac	je)								
	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%					Rein:	staternen	t of Road	l Surface	e and (	osing of TTA	A (3rd st	age)								
	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%		-			두 🔤 Im	plementa	tion of T	TA, Trial I	Pi Exc	vation and I	Identifica	ation of UL	J (4th sta	ge)			-			
	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%		i	-		G 🕞 c	ivil Provis	ior of TC	SS (4th	stage)		i									i i
	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%			-		_ <mark>⊑¦</mark> ∎	Reinsta	errenṫ of	Road S	Surface	nd Closing o	of TTA (	th stage)								
	WP1330	Implementation of TTA, Trial Pit Excavation and Identification of UU (5th stag	8	0 8 017/08(6 06-Apr-22	· ·	09-Feb-22	18-Feb-22	-47 0	0%					···· 🛱	Impe	errentato	on of TT	A Trial	Pit Excavatio	on and k	lentificatio	n of UU (	(5th stage	a)					
	WP1340	Excavation and Construction of Directional Sign Footing DS6 (5th stage)	8	0 8 017/08(6 19-Apr-22		18-Feb-22	28-Feb-22	-47 0	0%		-	1	1	1	-				on of Directio					<i>'</i>	-	:	-		:
	WP1350	Installation of Steel Frame and Directional Sign (5th stage)	6	0 6 017/08(6 28-Apr-22		28-Feb-22	07-Mar-22	-47 0	0%						G	Installat	on of Ste	ee Frar	ne and Direc	ctional S	an (5th st	ane)	ouigid)						
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	West Bound (4 3	Implementation of TTA, Trial Pit Excavation and Identification of UU (1st stag	10 1				20-Oct-21	-17	100% al Pit F	very ation a	nd klenti	; ication of	√FIIII/∄I		00-Apr	22. vves	DOUND (	(4 Stay	s, ~2011/sta	ige)						-	-		
	WP1390	Excavation and Construction of Directional Sign Footing DS5 (1st stage)	10 10				30-Oct-21	-17 0		Exca					al Side		S5 (1et -	(anota		1									
	WP1400	Installation of Steel Frame and Directional Sign (1st stage)		0 10 017/08(6 19-Nov-21	01-Dec-21		11-Nov-21	-17 0	0%					and Direct			· · · ·	siege)											
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	WP1420	Civil Provision of TCSS and Construction of drawpit (1st stage)	<u> </u>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10-Dec-21		20-Nov-21							and Cohstr															
	WP1430	Reinstatement of Road Surface and Closing of TTA (1st stage)	-	0 5 017/08(6 10-Dec-21	16-Dec-21		26-Nov-21	-17 0	0%		_			ad Surface			- Y 16	<b>4</b> /											
	🔲 WP1440	Completion of Liasion with C1 for connection of Watermain to E&M Plantroo	-	0 0 017/08(6	16-Dec-21		26-Nov-21	-17 0	0%		-								M Plantroom,							1			1
	WP1450	Implementation of TTA, Trial Pit Excavation and Identification of UU (2nd stag		0 10 017/08(6 16-Dec-21	30-Dec-21		08-Dec-21	-17 0	0%	1							· · · ·		of UU (2nd st	· ·									
	🔲 WP1460	Civil Provision of TCSS and Construction of drawpit and Laying of Watermair		0 15 017/08(6 30-Dec-21	18-Jan-22		28-Dec-21	-17 0	0%			_					1.1		aying of Wa	atermain	n (2nd stag	ge)							
	🔲 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%					ment of Ro															
	🔲 WP1480	Implementation of TTA, Trial Pit Excavation and Identification of UU (3rd stag		0 10 017/08(6 24-Jan-22		04-Jan-22	15-Jan-22	-17 0	0%		-	-					- 1 G		entification o		· · · ·								
	🔲 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%		1	-							awpit and L	, q		in (3rd st	age)						
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	🔲 WP1510	Implementation of TTA, Trial Pit Excavation and Identification of UU (4th stag	10	0 10 017/08(6 03-Mar-22	15-Mar-22	11-Feb-22	23-Feb-22	-17 0	0%		-						- iii -		tion and Ider							-			
	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	23-Feb-22	12-Mar-22	-17 0	0%		i	-							uction of dra				nain (4¦th s	stage)		i			
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	🛓 Carriageway (4 lan	es/ stages)	248 11	3 133 017/08(6 24-Jun-21 A	25-Apr-22	06-Oct-21	18-Mar-22	-28			-		-	-					anes/ stages										
	WP1000	Trial Pit Excavation and Identification of UU (Existing TTA)	10 1	0 0 017/08(6 24-Jun-21 A	06-Jul-21	06-Oct-21	06-Oct-21	0	100% entifica					-						-									
	📺 WP1010	Laying of Ducts for Civil Provision of TCSS (Existing TTA)	8 10	03 7 017/08(6 07-Jul-21 A	17-Nov-21	06-Oct-21	15-Oct-21	-28 0	12.5%	📕 Layin	ng of Duo	ts for Civi	ril Provis	ion of TCS	S (Existin	gTTA)				-									
	WP1015	Reinstatement of Road Surface and New Road Marking (Existing TTA)	10	0 10 017/08(6 17-Nov-21	29-Nov-21	15-Oct-21	27-Oct-21	-28 0	0%					rface and I						-									
	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	27-Oct-21	08-Nov-21	-28 0	0%	-	Implem	entation	of TTA,	Trial Pit Ex	cavatior	and Iden	tification	n of UU	(1st stage)										
	WP1030	Laying of Ducts for Civil Provision of TCSS (1st stage)	8	0 8 017/08(6 10-Dec-21	20-Dec-21	08-Nov-21	17-Nov-21	-28 0	0%					Civil Provisio						1	-			-					-
	WP1090	Reinstatement of Road Surface and New Road Marking (1st stage)	10	0 10 017/08(6 20-Dec-21	04-Jan-22	17-Nov-21	29-Nov-21	-28 0	0%		-	Reinstate	tement	of Road Su	urface and	l New Ro	ad Mark	king (1s	stage)	1	-			i	-		-		i
	WP1550	Implementation of TTA, Trial Pit Excavation and Identification of UU (2nd stag	10	0 10 017/08(6 04-Jan-22	15-Jan-22	29-Nov-21	10-Dec-21	-28 0	0%			Imple	ementat	ion of TTA,	Trial Pit	Excavatio	n and Id	dentifica	ion of UU (2	2nd stag	e)			-					
	WP1560	Laying of Ducts for Civil Provision of TCSS (2nd stage)	8	0 8 017/08(6 15-Jan-22	25-Jan-22	10-Dec-21	20-Dec-21	-28 0	0%			-		Ducts for C															
	WP1570	Reinstatement of Road Surface and New Road Marking (2nd stage)	10	0 10 017/08(6 25-Jan-22	09-Feb-22	20-Dec-21	04-Jan-22	-28 0	0%			5	Rein	statement o	of Road	iurace a	nd New I	Road N	arking (2nd s	stage)							1		
	WP1580	Implementation of TTA, Trial Pit Excavation and Identification of UU (3rd stag	10	0 10 017/08(6 09-Feb-22	21-Feb-22	04-Jan-22	15-Jan-22	-28 0	0%		i	_ <b>F</b> I	in in	nplementat	tion of T	A Trial Fri	t Excava	ation ar	d Identificatio	ion of Ul	J (3rd stag	e)				i			
	WP1590	Laying of Ducts for Civil Provision of TCSS and Construction of drawpit (3rd s	12	0 12 017/08(6 21-Feb-22	07-Mar-22	15-Jan-22	29-Jan-22	-28 0	0%		-	-	تر ا	Laving o	of Ducts	or Civil Fr	ovision o	of TCS	and Constr	ruction o	f drawpit (	3rd stage	e)			-	-		
	WP1600	Reinstatement of Road Surface and New Road Marking (3rd stage)	10	0 10 017/08(6 07-Mar-22	18-Mar-22	29-Jan-22	14-Feb-22	-28 0	0%				Ģ				11		ew Road Ma										i
	WP1610	Implementation of TTA, Trial Pit Excavation and Identification of UU (4th stag	10	0 10 017/08(6 18-Mar-22		14-Feb-22	25-Feb-22	-28 0	0%					_					avation and	- 1.		U (4th sta	age)						1
	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%										n of TCSS ar					.e)			·····		
	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%										face and Ne					<i>′</i>					
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		Portion I, II and III)																										- 30	ivici y=2
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MISC403	30	Tree Preservatiion and Protection Works	939 79	00 178 017/08(6 09-Mar-19 A	18-Jun-22	07-Sep-21	14-Apr-22	-49 0	81%								Tree	e Prese	vatiion and l	Protection	on Works	1	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



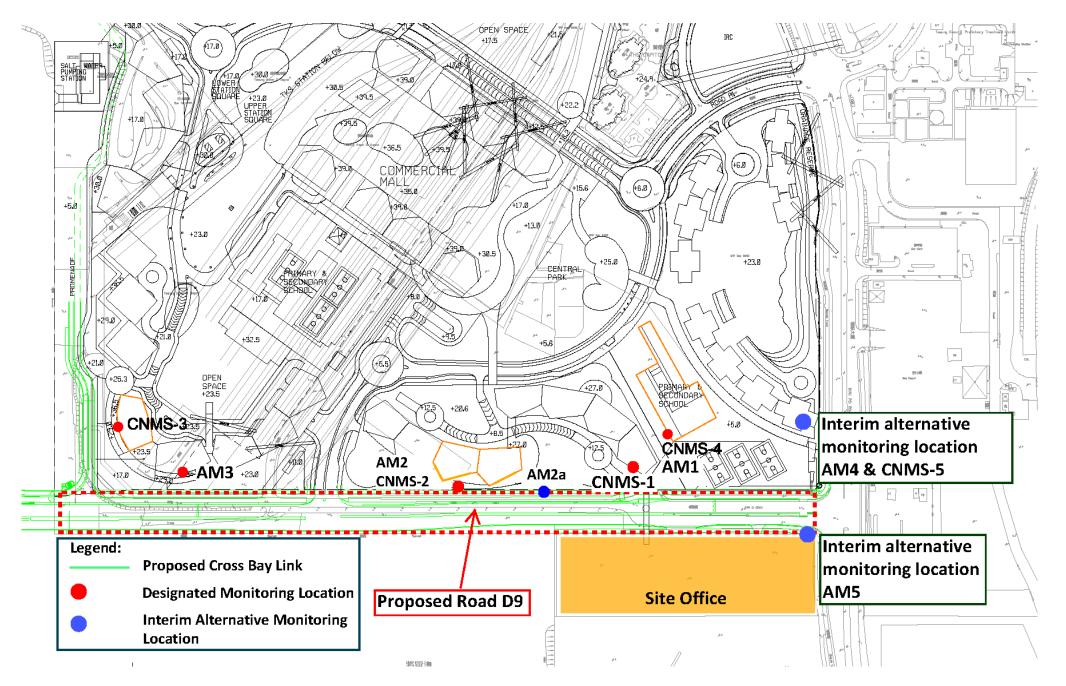
Revision	Checked	Approved
nme Update (Mar 2021)	TL	StL
nme Update (May 2021)	CkT	StL
nme Update (Jul 2021)	CKT	StL
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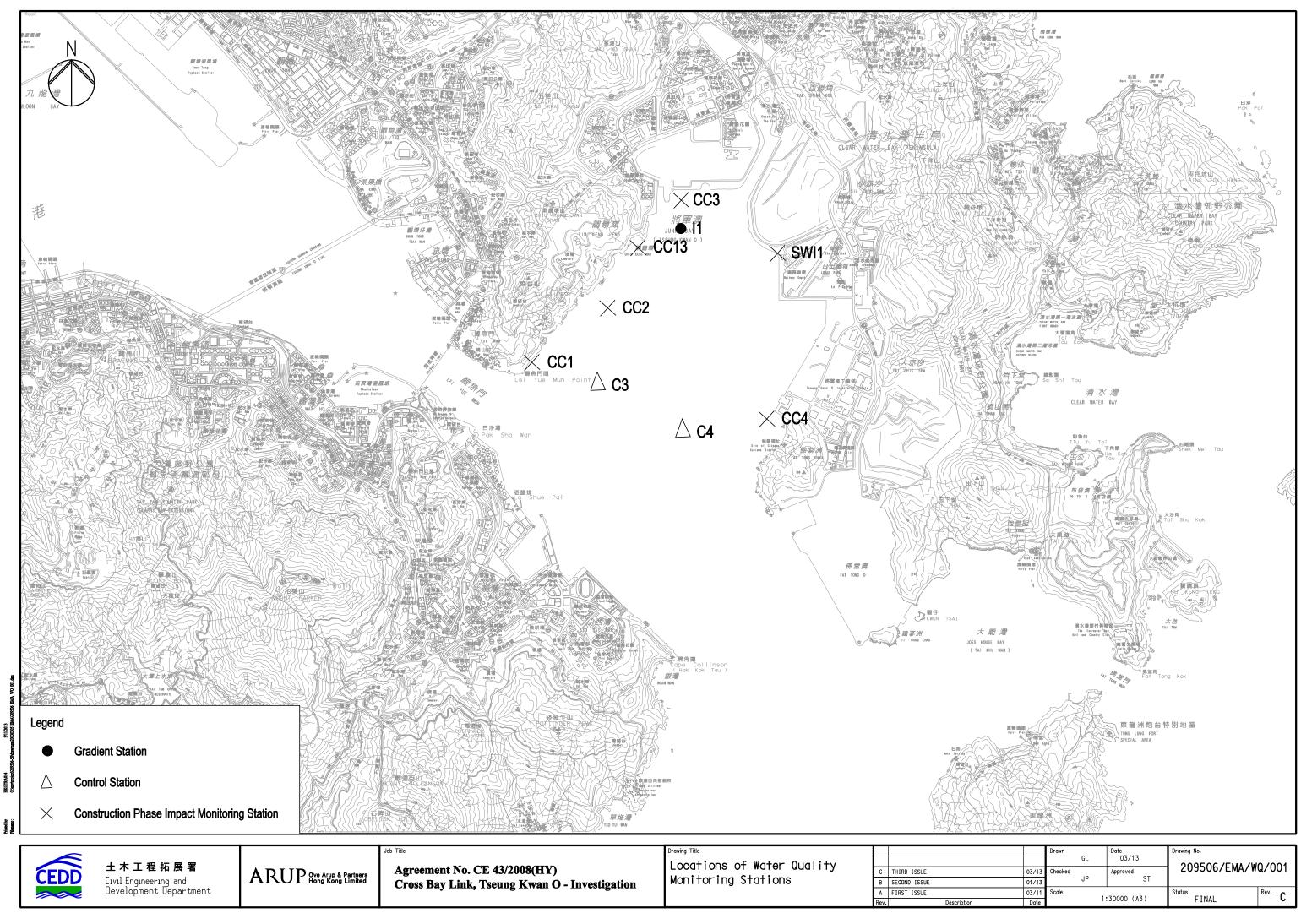
# **Appendix D**

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





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03/13	Checked		Approved	209506/EMA/W	u/001
01/13		JP	ST		
03/11	Scale	1:30000 (A3)		Status	Rev. C
Date		13	30000 (AS)	FINAL	U U

Appendix E

**Event and Action Plan** 



	ACTION					
EVENT	Environmental Team (ET)	Independent Environmental Checker (IEC)	Project Consultant	Contractor		
ACTION LEVEL	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

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

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

✓	Monitoring Day
	Sunday or Public Holiday

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

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

✓	Monitoring Day
	Sunday or Public Holiday

# Appendix G

## Calibration Certificates of Equipment and Accreditation Laboratory Certificate

Location :	Near Lo	ohas Park	c Phase 6	5			Date of C	Calibra	tion: 28-F	eb-22			
Location 1	ID :	AM2a				Ν	Next Calibra	ation I	Date: 28-A	pr-22			
Name and	l Model: '	TISCH H	IVS Mo	del TE-517(	)		Т	echni	cian: Eric				
					(		TIONS						
	~		-			1010 (	r				<b></b> .	= 60	
	Se	a Level 1				1018.6		С	Corrected P	•	0,		
		Temp	erature	(°C)		18.9			Temp	erature (	K)	4	292
				CA	<b>ALIE</b>	BRATIC							
				Make->	TIS	CH			Qstd S	lope ->		1.99838	3
				Model->					Qstd Inter	cept ->		-0.0090	13
				Serial # ->	161	2							
					C	ALIBR	ATION						
Plate	H20 (L)	H2O (R)	H20	Qstd		Ι	IC			LINEA	R		
No.	(in)	(in)	(in)	(m3/min)	(0	hart)	corrected		R	EGRESS	SION		
18	5.60	5.60	11.2	1.701		56	57.32			Slope =	32.7251		
13	4.30	4.30	8.6	1.491		50	51.18		Inte	rcept =	1.7422		
10	3.50	3.50	7.0	1.346		44	45.04		Corr. c	coeff. =	0.9990		
7	2.20	2.20	4.4	1.068		36	36.85						
5	1.40	1.40	2.8	0.853		29	29.68						
Calculatio	ons :							F	LOW RAT		г		
Qstd = 1/r	n[Sqrt(H	20(Pa/Ps	td)(Tstd	/Ta))-b]		70.0	00						
IC = I[Squ	rt(Pa/Pstc	l)(Tstd/T	a)]										
						60.0	00					•	
Qstd = sta	indard flo	w rate											
IC = corrections	ected char	rt respon	es			50.0	00				/		
I = actual		-				(C					•		
m = calibi	-	-				<b>5</b> 40.0	00						
b = calibra	-	-				resp				*			
				oration ( deg		<b>191</b> 10.00	00			·			
Pstd = act	ual press	ure durin	ig calibra	ation ( mm I	Hg	Actual chart response (IC)			·				
For subse	equent ca	alculatio	n of san	pler flow:		<b>VI</b> PCT PCT PCT	00						
1/m((I)[S	-			-									
	<u> </u>		. / 1 -	*		10.0	00						
m = samp	ler slope												
b = samp	ler interc	ept				0.0							
I = chart r	esponse					0.0	0.000	0.500	0 1.	000	1.500	2.0	000
Tav = dai	ly averag	e temper	ature					Sta	andard Flow	Rate (m3/m	nin)		
Pav = dail	ly averag	e pressui	e		L								

Location	: Near Lo	ohas Park	c Phase 6	5			Date o	of Cali	bration: 29	Apr-22		
Location	ID :	AM2a				Ν	Next Cal	ibratic	on Date: 29	Jun-22		
Name and	l Model:	TISCH H	IVS Mo	del TE-5170	)			Tecl	nnician: Eric	2		
					C		FIONS					
				г			r				г	
	Se	a Level I		· · · ·		1011			Corrected			758.25
		Temp	berature	(°C)		28.2			Tem	perature (I	K)	301
				CA	LIB	RATIC	N ORIFI	CE				
				Make->	TIS	СН			Qstd	Slope ->	Γ	1.99838
				Model->	502	5A			Qstd Inte	ercept ->		-0.00903
				Serial # ->	161	2					_	
					C	ALIBR	ATION					
Plate	H20 (L)	H2O (R)	H20	Qstd		Ι	IC			LINEA	R	
No.	(in)	(in)	(in)	(m3/min)	(c]	hart)	correcte	ed		REGRESS		
18	5.70	5.70	11.4	1.683		56	55.34				32.1280	
13	4.30	4.30	8.6	1.462		50	49.41		Int	ercept =	1.5451	
10	3.50	3.50	7.0	1.320		44	43.48		Corr.	coeff. =	0.9986	
7	2.30	2.30	4.6	1.071		36	35.58					
5	1.40	1.40	2.8	0.836		29	28.66					
Calculatio	one i								FLOW RA			
Qstd = $1/1$		$\Omega(D_{2}/D_{2})$	td)(Tetd	/Ta)) bl		60.0	<sup>00</sup> T					
IC = I[Sq;				<i>[1a])</i> -0]							/	
10 – 1[04	11(1 / 1 / 30	1)(1500/1	()]			50.0						
Qstd = sta	andard flo	w rate				50.0					1	
IC = correction			es									
I = actual		-				<b>වු</b> 40.0	00					
m = calib		-				Actual chart response (IC) 30.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0						
b = calibr	ator Qstd	intercep	t			<b>6</b> 30.0						
Ta = actua	al temper	ature dui	ring calil	oration ( deg	ς Κ	1 30.0			•			
Pstd = act	tual press	ure durin	ig calibra	ation ( mm H	Ig	l ch						
						20.0 Ctria	00					
For subs	equent ca	alculatio	n of san	npler flow:		∢						
1/m((I)[	Sqrt(298/	Tav)(Pav	/760)] <b>-</b> t	))								
						10.0	0					
m = samp												
b = samp		ept				0.0	0					
I = chart I	-						0.000	0		1.000	1.500	2.000
Tav = dai									Standard Flow	v Rate (m3/m	iin)	
Pav = dai	ly averag	e pressur	e									
1												

-													
Location :	: Junctior	n of Wan	Po Roa	d and Wan (	) R	oad	Date of C	Calibr	ation: 28-Fe	b-22			
Location 1	ID :	AM5				N	lext Calibra	ation	Date: 28-Ap	or-22			
Name and	l Model: '	TISCH H	HVS Mo	del TE-5170	)		Τ	Techn	ician: Eric				
					C	CONDIT	IONS						
				F							F		
	Se	a Level I	Pressure	(hPa)	]	1018.6		(	Corrected Pr	essure (mi	n Hg)	763	.95
		Temp	perature	(°C)		18.9			Tempe	rature (K)	)		292
				CA	LIE	BRATIO	N ORIFICE						
				[		~~~					г		
				Make->					Qstd Slo	-		1.99838	
				Model->					Qstd Interc	ept ->		-0.0090	13
				Serial # ->	161	2							
					~								
					C	ALIBR	ATION						
Plate	Н20 (Т.)	H2O (R)	H20	Qstd		Ι	IC			LINEAR			
No.	(in)	(in)	(in)	(m3/min)	(c	hart)	corrected		RF	EGRESSIC			
118	5.90	5.90	11.8	1.746		59	60.39			lope = 26			
13	4.40	4.40	8.8	1.508		52	53.22			cept = 14			
10	2.50	2.50	5.0	1.138		43	44.01			eff. = (			
7	1.80	1.80	3.6	0.966		39	39.92		0011100		,,,,,,,		
5	1.30	1.30	2.6	0.822		35	35.82						
	1100	1120	2.0	01022	Г		55102	ļ					
Calculatio	ons :								FLOW RATE	CHART			
Qstd = 1/1	n[Sqrt(H	20(Pa/Ps	td)(Tstd	/Ta))-b]		70.0							
IC = I[Squ				<i>,,</i> _									
						60.0	0					>	
Qstd = sta	indard flo	w rate											
IC = corrections	ected char	rt respon	es			50.0	0			/			
I = actual	chart res	ponse				(jc)							
m = calibi	rator Qsto	l slope				<b>%</b> 40.0	0						
b = calibr	ator Qstd	intercep	t			odse							
Ta = actua	al temper	ature du	ring calil	oration ( deg	g K								
Pstd = act	ual press	ure durir	ig calibra	ation ( mm H	Ig	0.08 <b>pa</b>	0						
						Actual chart response (IC)							
For subs	equent ca	alculatio	n of san	npler flow:		<b>⋖</b> 20.0	0						
1/m((I)[S	Sqrt(298/	Tav)(Pav	/760)] <b>-</b> t	))									
						10.0	0						
m = samp	ler slope												
b = samp	ler interc	ept				0.0	0						
I = chart r	-					0.0	0.000	0.50	00 1.0	. 00	1.500	2.0	000
Tav = dai	ly averag	e temper	ature					S	tandard Flow R	ate (m3/min	)		
Pav = dail	ly averag	e pressui	e		L								

Location :	: Junctior	n of Wan	Po Roa	d and Wan (	) R	oad	Date of C	Calibr	ation: 29-Ag	pr-22			
Location 1	ID :	AM5				Ν	Vext Calibra	ation	Date: 29-Ju	n-22			
Name and	l Model: '	TISCH H	HVS Mo	del TE-5170	)		Т	Techn	nician: Eric				
					C	CONDIT	TIONS						
				-									
	Se	a Level I	Pressure	(hPa)		1011		(	Corrected Pr	essure (m	ım Hg)	758	3.25
		Temp	berature	(°C)		28.2			Tempe	erature (K	)		301
				CA	LIB	BRATIO	N ORIFICE						
				г		1							
				Make->					Qstd Sl			1.99838	
				Model->					Qstd Interc	cept ->		-0.0090	)3
				Serial # ->	161	2							
					С	ALIBR	ATION						
Plate	н20 (Т.)	H2O (R)	H20	Qstd		Ι	IC			LINEAR	)		
No.	(in)	(in)	(in)	(m3/min)	(c	hart)	corrected		D	EGRESSI			
18	5.80	5.80	11.6	1.698	· · ·	59	58.31			lope = 2			
13	4.40	4.40	8.8	1.479		52	51.39			rcept = 1			
10	2.60	2.60	5.2	1.138		43	42.49			-	0.9983		
7	1.80	1.80	3.6	0.948		39	38.54		0011.0	. –	0.7705		
5	1.30	1.30	2.6	0.806		35	34.59						
	1.50	1.50	2.0	0.000		55	51.57						
Calculatio	ons :								FLOW RATE	E CHART			
Qstd = 1/1	n[Sart(H	20(Pa/Ps	td)(Tstd	/Ta))-b]		70.0	00						1
IC = I[Squ													
			/1			60.0	00					•	
Qstd = sta	indard flo	w rate											
IC = corrections			es			50.0	00						
I = actual	chart res	ponse				(jc)							
m = calibi	rator Qsto	l slope				<b>8</b> 40.0							
b = calibr	ator Qstd	intercep	t			ods			×				
Ta = actua	al temper	ature dui	ring calil	oration ( deg	K	± t			*				
Pstd = act	ual press	ure durin	ng calibra	ation ( mm H	Ig	0.08 <b>ga</b>	00						
						Actual chart response (IC)							
For subse	equent ca	alculatio	n of san	npler flow:		₹ <sub>20.0</sub>	00						
1/m((I)[S	Sqrt(298/	Tav)(Pav	/760)] <b>-</b> t	))									
						10.0	00						
m = samp	ler slope												
b = samp	ler interc	ept				0.0							
I = chart r	response					0.0	0.000	0.5	00 1.0	00	1.500	2.0	000
Tav = dai	ly averag	e temper	ature					S	tandard Flow I	Rate (m3/mii	n)		
Pav = dail					L								

 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	ΔH	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
			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	1.984		0.9914	1.0157	1.2624	-
	0.9736	1.1140	2.218		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/ATime	_	-
			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)				, 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

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# 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

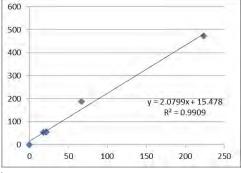
(\*) Suspended particle was added into calibration room of HVS019 for high concentration test.

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)

Remarks:

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 :		Date :	15 January 2022

Location : Gold King Industrial Building, Ky Location ID : Calibration Room	wai Ch	ung	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	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
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

Location : Location I	Location : Gold King Industrial Building, Ky Location 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
						CH 25A an-21		Qstd Slope ->         2.10574           Qstd Intercept ->         -0.00985           Expiry Date->         18-Jan-22
					C	CALIBI	RATION	
		H2O (R)	H20 (in)	Qstd (m3/min)		[ art)	IC corrected	LINEAR REGRESSION
13         4.9         4.9         9.8         1.495         4.9           10         3.7         3.7         7.4         1.299         40           8         2.4         2.4         4.8         1.047         30						nart)         corrected           52         52.11           44         44.10           40         40.09           30         30.06           20         20.04		Slope = $36.4525$ Intercept = $-9.0200$ Corr. coeff. = $0.9943$
Pstd = actu For subse 1/m(( I )[S	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
m = sampler slope b = sampler intercept I = chart response Tav = daily average temperature Pav = daily average pressure							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					Pa:	755.1	mm Hg
Calibration Model #: TE-5025A Calibrator S/								
		1						1
	Dura	Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔΡ	ΔH	
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(in H2O)	1
	1		2	1	1.4830	3.2	2.00	4
	3	3	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	29 0.6762 1.4192		2	0.9958	0.6715	0.8824	]
	0.9986	0.9583	2.0071		0.9915	0.9516	1.2479	
	0.9965 1.0726 0.9954 1.1260		2.244		0.9894 0.9883	1.0650 1.1180	1.3952 1.4633	3
			2.353					
	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) Qa= Va/ΔTime			
	Qsta=	Vstd/∆Time						
			For subseque	ent flow rat	e calculation	ns:		
===	Qstd=	1/m (( \\ \ \ \ \ H (-	Pa Pstd (Tstd Ta	)-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 a grant			the	e Atmosphe	ere, 9.2.17, page	30
m: slope				1				

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# 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

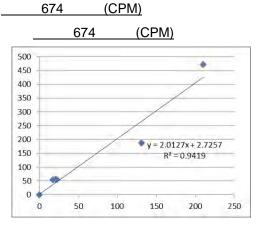
(\*) Suspended particle was added into calibration room of HVS019 for high concentration test.

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

Location : Gold King Industrial Building, Ky Location ID : Calibration Room	ung	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         51.93           48         47.93           42         41.94           36         35.95           28         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	

Location : Gold King Industrial Building, Kwai Ch Location ID : Calibration Room						lung	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
						SCH 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	sch				Pa:	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	1.419	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	)		ΔVol((Pa-ΔI	P)/Pa)	
	Qsta=	Vstd/∆Time				Va/∆Time		
			For subseque	ent flow rat	e calculation	ns:		
===	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 a grant			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>Л.</b> Т.

#### 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

1.11	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	UUT				
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 hining	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) Ref. ± 0.3			
30 - 130 L	L <sub>A</sub>	A	Fast	94.00	1	93.6				
		1	Slow			93.6				

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	Frequency Weighting	Time Weighting	Level (dB)	Freq.	Reading (dB)	Class 1 Spec. (dB)		
30 - 130	LA	A	Fast	94.00	63 Hz	67.3	$-26.2 \pm 1.5$		
					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	Frequency Weighting	Time 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	$-0.8 \pm 1.6$		
	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

# Appendix H

## **Database of Monitoring Results**

 $\label{eq:linear} $$ 1.230\z\bel{eq:linear} $$ 1.230\z\bel{eq:linear$ 

#### Air Quality – 24 Hour TSP

24-hour TSP	<sup>•</sup> Monitoring	Data for A	M2a												
DATE	NUMBED		ELAPSED TIME			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	FINAL	(min)	MIN	MAX	AVG	(°C)	(hPa)	(m <sup>3</sup> /min)	(std m <sup>3</sup> )	INITIAL	FINAL	(g)	
4-Apr-22	28128	25621.79	25645.79	1440.00	41	41	41.0	20.1	1022.2	1.22	1750	2.7527	2.8373	0.0846	48
9-Apr-22	28036	25645.79	25669.79	1440.00	41	41	41.0	23.1	1013.8	1.20	1734	2.7373	2.8122	0.0749	43
14-Apr-22	28237	25669.79	25693.79	1440.00	40	41	40.5	25.5	1008.4	1.18	1700	2.7974	2.8920	0.0946	56
20-Apr-22	28143	25693.79	25717.79	1440.00	40	41	40.5	21.9	1015.4	1.19	1717	2.7593	2.8177	0.0584	34
25-Apr-22	28179	25717.79	25741.79	1440.00	40	41	40.5	27.9	1008.6	1.18	1693	2.7857	2.8890	0.1033	61
29-Apr-22	28252	25741.79	25765.79	1440.00	40	41	40.5	32.0	1011	1.20	1723	2.7470	2.8336	0.0866	50
24-hour TSP	<sup>•</sup> Monitoring	Data for A	AM5												
DATE	SAMPLE	ELAPSED TIME			CHART READING			AVG TEMP	AVG AIR PRESS	STANDARD FLOW RATE	AIR VOLUME			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)	$(\mu g/m^3)$
4-Apr-22	28123	19264.90	19288.90	1440.00	41	41	41.0	20.1	1022.2	1.04	1496	2.7740	2.8360	0.0620	41
9-Apr-22	28037	19288.90	19312.90	1440.00	40	41	40.5	23.1	1013.8	1.00	1447	2.7412	2.8053	0.0641	44
14-Apr-22	28236	19312.90	19336.90	1440.00	40	41	40.5	25.5	1008.4	0.99	1432	2.8132	2.9254	0.1122	78
20-Apr-22	28142	19336.90	19360.90	1440.00	40	41	40.5	21.9	1015.4	1.01	1454	2.7600	2.8276	0.0676	47
25-Apr-22	28180	19360.90	19384.90	1440.00	40	41	40.5	27.9	1008.6	0.99	1424	2.8247	2.8443	0.0196	14
29-Apr-22	28251	19384.90	19408.90	1440.00	40	41	40.5	32	1011	1.02	1468	2.7436	2.8712	0.1276	87

**AUES** 

# AUES

#### **Construction Noise**

Daytime Noi	Daytime Noise Measurement Results (dB) at CNMS1																			
	Start	1st	Leq (5n	nin)	2nd	Leq (5	min)	3rd	Leq (51	nin)	4th	Leq (5r	nin)	5th	Leq (51	nin)	6th	Leq (5n	nin)	
Date	Time	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq30min, dB(A)
6-Apr-22	10:32	60.5	62.4	58.5	63.6	65.7	59.0	62.6	65.5	59.1	60.6	62.3	57.8	60.8	62.3	58.7	59.9	61.5	57.6	61.5
12-Apr-22	10:03	61.8	63.5	56.0	60.8	65.0	57.5	61.1	63.0	55.5	60.7	63.5	53.5	59.9	62.0	55.0	62.0	64.0	57.5	61.1
20-Apr-22	10:13	60.4	62.5	55.5	60.0	61.5	57.5	61.1	64.0	57.0	61.8	64.0	54.5	58.2	60.5	55.0	60.0	62.5	57.0	60.4
26-Apr-22	13:52	61.2	63.0	55.0	61.7	63.0	53.0	60.8	64.0	57.0	62.1	63.5	55.0	59.8	63.5	53.5	58.9	62.0	55.5	60.9
Daytime Noi	Daytime Noise Measurement Results (dB) at CNMS2																			
	Start	1st	Leq (5n	nin)	2nd	2nd Leq (5min)			Leq (51	nin)	4th	Leq (5r	nin)	5th	Leq (51	nin)	6th	Leq (5n	nin)	
Date	Time	Leq,	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq30min, dB(A)
6-Apr-22	11:08	60.1	66.7	60.3	60.5	65.4	59.7	59.9	65.2	58.2	60.7	65.1	58.8	63.2	63.9	58.3	61.6	64.4	59.1	61.2
12-Apr-22	10:50	58.3	61.0	54.0	59.2	62.5	55.0	58.9	63.0	53.5	59.0	61.0	56.0	59.7	62.5	53.5	60.1	63.0	55.5	59.2
20-Apr-22	11:03	58.2	60.5	55.0	57.3	60.0	54.5	56.7	59.0	54.5	59.0	60.5	56.5	59.7	63.0	56.0	58.3	62.5	55.5	58.3
26-Apr-22	14:31	59.1	61.0	53.5	58.1	60.0	54.5	56.8	61.5	54.0	58.9	61.0	56.0	59.8	62.5	55.5	58.3	60.5	55.0	58.6
Daytime Noi	ise Mea	sureme	ent Resu	ılts (dB)	at CNN	MS5														
	Start	1st	Leq (5n	nin)	2nd	Leq (5	min)	3rd	Leq (5r	nin)	4th	Leq (5r	nin)	5th	Leq (51	nin)	6th	Leq (5n	nin)	
Date	Time	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq30min, dB(A)
6-Apr-22	9:20	61.1	63.7	56.3	63.8	67.1	57.2	61.3	64.9	56.7	62.0	65.0	57.6	63.3	66.2	57.2	65.5	67.4	58.5	63.1
12-Apr-22	9:07	61.2	63.5	58.5	63.3	64.5	60.5	62.0	65.0	59.0	61.8	63.0	59.5	62.1	64.0	60.5	59.8	61.5	58.0	61.8
20-Apr-22	9:30	62.0	64.5	59.5	61.3	62.0	60.0	63.8	66.5	60	62.3	64.0	60.5	62.8	64.5	61.0	59.6	60.0	58.5	62.2
26-Apr-22	13:05	61.7	63.5	58.5	62.3	63.0	61.0	63.5	65.0	60.5	62.8	65.0	59.5	62.4	63.5	58.5	60.9	62.5	58.0	62.3



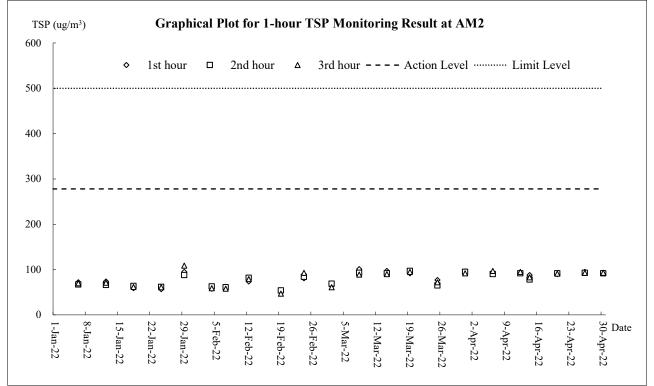
Appendix I

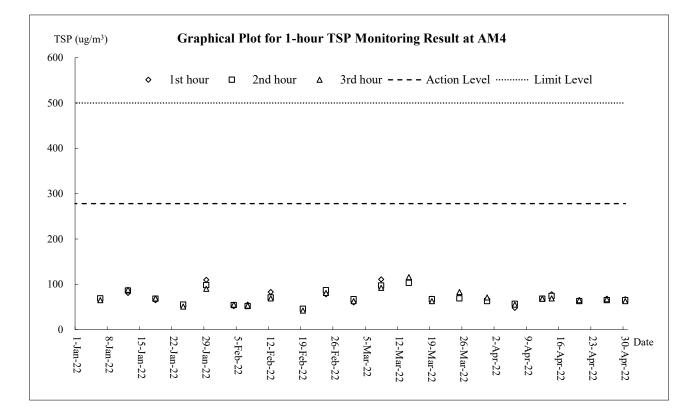
**Graphical Plots of Monitoring Results** 

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



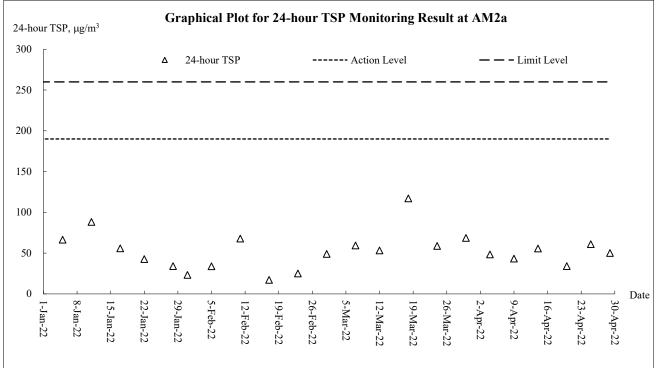
#### Air Quality - 1 Hour TSP

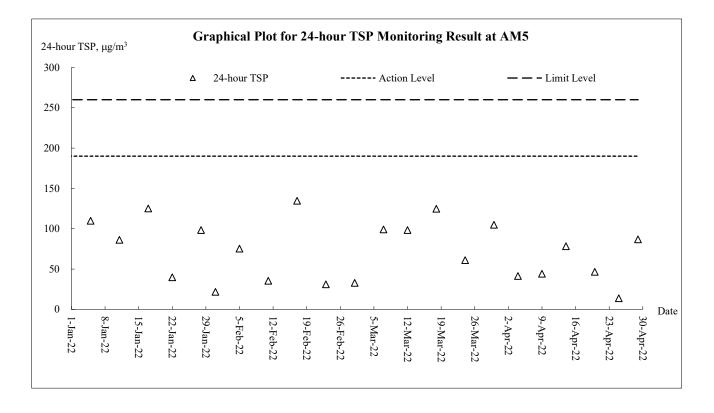






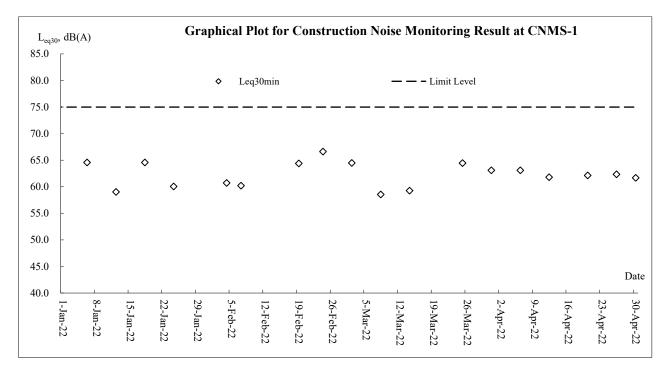
### Air Quality - 24-Hour TSP

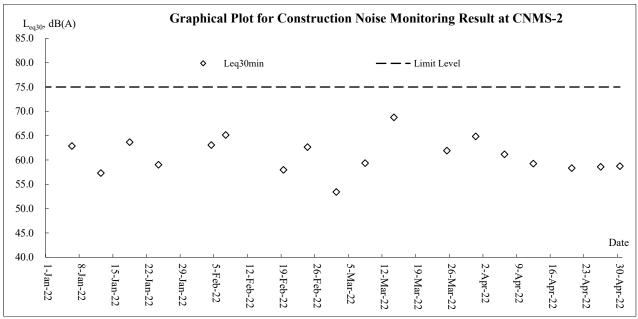


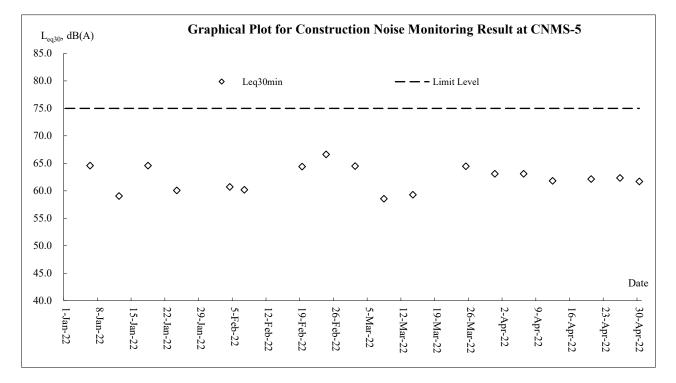




### **Construction Noise**







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 – April 2022



				T	seung Kv	van O Statio	ı
Date		Weather	Total Rainfall (mm)	Mean Air Temp. (°C)	Wind Speed (km/h)	Mean Relative Humidity (%)	Wind Direction (degree)
1-Apr-22	Fri	Fine. Very dry in the afternoon.	0.5	18.1	9.2	86.5	NE
2-Apr-22	Sat	Fine. Very dry in the afternoon.	1.3	14.5	10.5	79.0	NE
3-Apr-22	Sun	Moderate to fresh east to northeasterly winds	0	18.8	8.7	59.2	E/NE
4-Apr-22	Mon	Fine. Very dry in the afternoon.	0	19.2	10.2	53.2	E/NE
5-Apr-22	Tue	Fine. Hot and dry during the day.	0	21.1	6.2	69.0	E/NE
6-Apr-22	Wed	Moderate east to northeasterly winds.	0	21.6	7.5	65.7	E/NE
7-Apr-22	Thu	Fine. Hot and very dry in the afternoon.	0	22.2	8.7	73.5	N/NE
8-Apr-22	Fri	Light to moderate easterly winds.	0	22.8	7.5	48.7	E/NE
9-Apr-22	Sat	Mainly cloudy. Sunny periods during the day.	0	22.7	6.9	61.0	E/NE
10-Apr-22	Sun	Cloudy periods overnight.	0	23.0	7	68.7	E/NE
11-Apr-22	Mon	Coastal mist tomorrow morning.	0	25.0	6.2	76.7	S/SW
12-Apr-22	Tue	Moderate easterly winds.	0	25.0	6.2	80.5	S/SW
13-Apr-22	Wed	Fine. Very dry in the afternoon.	Trace	26.4	7.0	78.5	S/SW
14-Apr-22	Thu	Fine. Hot and very dry in the afternoon.	0	26.8	6.2	69.7	S/SW
15-Apr-22	Fri	Light to moderate east to southeasterly winds.	Trace	24.5	7.7	71.0	S/SW
16-Apr-22	Sat	Mainly cloudy with coastal mist tonight.	Trace	22.0	6.9	70.5	Е
17-Apr-22	Sun	Hot with sunny periods and one or two showers tomorrow.	0.4	20.8	6.1	66.7	Е
18-Apr-22	Mon	Moderate easterly winds.	Trace	22.1	6.2	77.5	E/NE
19-Apr-22	Tue	Sunny periods during the day.	0.8	19.8	5.5	87.0	Е
20-Apr-22	Wed	Mainly cloudy. One or two showers at first tomorrow.	0	22.0	7.5	74.5	E/NE
21-Apr-22	Thu	Light to moderate easterly winds.	0	24.0	8.5	78.0	NE
22-Apr-22	Fri	Hot with sunny intervals and one or two showers.	0	25.0	6	85.5	E/NE
23-Apr-22	Sat	Cloudy periods overnight.	Trace	27.0	6.2	82.0	E/NE
24-Apr-22	Sun	Sunny periods during the day.	0	26.9	7.5	81.2	S/SW
25-Apr-22	Mon	Light to moderate south to southeasterly winds.	0	28.3	8.2	80.5	S/SW
26-Apr-22	Tue	Mainly fine and hot during the day	0	28.3	7	79.0	S/SW
27-Apr-22	Wed	Moderate easterly winds.	0	28.9	6.2	79.5	S/SW
28-Apr-22	Thu	Sunny periods during the day.	0	28.7	7	79.2	S/SW
29-Apr-22	Fri	Mainly fine and dry.	0	28.3	6.7	80.5	NE



Appendix K

Waste Flow Table



**Contract 1** 

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## 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

	loss Day Link, 11				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 <sup>3</sup> )	$(in '000m^3)$	$(in '000m^3)$	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000 m <sup>3</sup> )
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sub-total	0.660	0.000	0.000	0.000	0.660	0.000	0.000	0.726	0.000	0.000	2.583
Jul	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aug	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sep	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	0.660	0.000	0.000	0.000	0.660	0.000	0.000	0.726	0.000	0.000	2.583

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** 

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		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	0.000										
June	0.000										
SUB-TOTAL	3.680	0.000	0.000	0.000	3.680	2.926	0.000	0.000	0.000	0.000	0.347
Jul	0.000										
Aug	0.000										
Sep	0.000										
Oct	0.000										
Nov	0.000										
Dec	0.000										
TOTAL	3.680	0.000	0.000	0.000	3.680	2.926	0.000	0.000	0.000	0.000	0.347

#### 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>



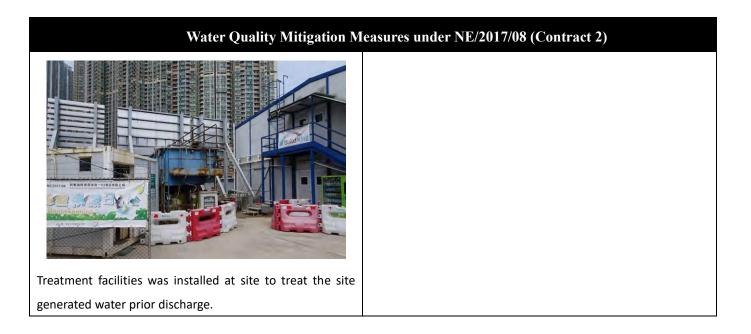
Appendix L

# 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 &	Location/ Timing	Agent	Stage	and/or Standards to
Duct Impo	Let (Contraction Phase)	Main Concerns to Address		8	8	be Achieved
\$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>
\$5.5.3	<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
\$6.6.4.7	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		Implen	nentation	Requirements
EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures &	Location/ Timing	Agent	Stage	and/or Standards to
		Main Concerns to Address		igene	~ ••• ge	be Achieved
	lity Impact (Contraction Phase)	1				
S8.6.4.3	<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 controlled to prevent splashing of dredged material to the surrounding water. Barges shall not be offilled 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> </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	objectionable matter to be present in the water within and adjacent to the works site. Construction Site Runoff In accordance with the Practice Note for Professional Persons	Control potential water quality impacts from	All construction sites	Contractor	Construction stage	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>
	<ul> <li>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>	construction site run-off				

EIA Ref	Environmental Protection Measures/ Mitigation Measures	Recommended Measures &			nentation	Requirements
		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</li> </ul>					
S8.6.4.6	<ul> <li>meander, wetlands and fish ponds.</li> <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> </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>		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
	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>Good Site Practices</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
\$9.5.4	<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:</li> <li>Maintain temporary stockpiles and reuse excavated fill material for backfilling and reinstatement;</li> <li>Carry out on-site sorting;</li> <li>Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate;</li> <li>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>	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.	management of chemical	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. The storage area for chemical wastes shall:</li> </ul>					
	<ul> <li>Be clearly labelled and used solely for the storage of chemical wastes;</li> <li>Be enclosed on at least 3 sides;</li> </ul>					
	<ul> <li>Be enclosed on at least 3 sides;</li> <li>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;</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
	<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> </ul>					beneficie
S9.5.18	Be to a re-user of the waste, under approval from EPD.     Sewage     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	General Refuse 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> <b>209506/EMA/WQ/001</b> )	Contractor	Construction stage	<ul><li>TM-EIAO; and</li><li>WPCO</li></ul>

	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
		communities within Junk Bay				
S11.6.2.2	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>
S11.6.2.3	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	e and Visual	•				•
\$13.8.1.2	<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		Funded and implemented by CEDD. Maintained by CEDD and LCSD.	construction and operational	

	Main Concerns to Address		Implementation		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						
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 Recommended	Objectives of the		Implen	nentation	Requirements
EIA Ref		Recommended Measures & Main Concerns to Address	Location/ Timing	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.					
	<ul> <li>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</li> </ul>					
	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>						
\$14.7.6	<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> </ul> </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> <li>If methane (flammable gas) or carbon dioxide concentrations are in excess of the trigger levels or that of oxygen is below the level specified in the Emergency Management in the</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)	
S14.7.8-9	following section, then evacuation shall be initiated. Emergency management	Health and safety of the	Confined space of	Contractor	Construction	• Landfill Gas	
	In the event of the trigger levels specified in Table 14.6 of the EIA report being exceeded, a person, such as the Safety	workers	construction sites within 250m Consultation Zone		stage	Hazard Assessment	

		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	
	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.						
\$14.7.16	<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>	