## **Drainage Services Department**

## Agreement No. SPW 07/2019 Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1

## Monthly EM&A Report April 2021

(Version 1)

Certified By	Jac	
	(Environmental Team Leader: Mr. KS Lee)	

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

CINOTECH accepts no responsibility for changes made to this report by third parties

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



Ref.: DSDSWHS1EM00\_0\_0112E.21

14 May 2021

By E-mail and Fax (3922 9797)

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

Attention: Mr CHANG Ping Wah

Dear Mr CHANG,

#### Re: Contract No. SPW 08/2019 Independent Environmental Checker for Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1

#### Monthly EM&A Report for April 2021

Reference is made to the Environmental Team's submission of Monthly EM&A Report for April 2021 (Version 1) certified by the ET Leader and provided to us via e-mail on 14 May 2021.

Please be informed that we have no adverse comments on the captioned submission. We write to verify the captioned submission in accordance with Condition 3.4 of FEP-02/474/2013.

Thank you for your attention. Please do not hesitate to contact us should you have any queries.

Yours sincerely, For and on behalf of Ramboll Hong Kong Limited

Y H Hui Independent Environmental Checker

c.c.

DSD Cinotech Attn.: Ms Konica Cheung Attn.: Mr K. S. Lee (By Fax: 3104 6420) (By Fax: 3107 1388)

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## **EXECUTIVE SUMMARY**

## Introduction

1. This is the 16<sup>th</sup> EM&A Report prepared by the Environmental Team, Cinotech Consultants Ltd., for Agreement No. SPW 07/2019 "Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1". This report summarized the monitoring results and audits findings of the EM&A programme under the issued further EP No. FEP-02/474/2013 and in accordance with the Updated EM&A Manual during the reporting month of April 2021.

## Summary of Main Works Undertaken and Key Measures Implemented

2. The main works undertaken during the reporting period are as follows:

Contract No.	Contract Title	Site Activities
DC/2018/06	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sludge Treatment Facilities and 132kV Primary Substation	<ul> <li>ELS and excavation works</li> <li>Wall and slab construction</li> <li>RC works</li> <li>Pipe laying</li> <li>Pipe jacking work</li> </ul>
DC/2018/07	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sewage Treatment Facilities	<ul> <li>ELS and construction of inlet reception chamber</li> <li>Trench excavation</li> <li>Road and drainage works</li> <li>Diversion of inlet works</li> <li>Process pipe of CHR and CHS</li> <li>Pre-drilling work and foundation work</li> <li>Pre-bored H piles</li> <li>Cable diversion works</li> <li>Alternation of existing powerhouse</li> <li>Demolition work of existing main facilities</li> <li>Sheet pile installation</li> </ul>
DE/2018/03	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities	<ul> <li>Break concrete pavement and ramp</li> <li>Construct sump pit and curb</li> </ul>
DE/2018/04	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - E&M Works for Sewage Treatment Facilities	<ul> <li>Construction of temporary filtrate equalisation tank</li> <li>Installation of temporary primary sludge thickener and its accessories</li> <li>Retrofitting the existing primary sedimentation tank no. 4 and 6</li> </ul>

## Table I Summary Table for Major Site Activities in the Reporting Month

3. Implementation of the key mitigation measures during the reporting period are as follows:

### Air Quality

- Stockpiles were covered by impervious sheets.
- Water spraying on haul road was done to minimize dust generation.

#### Waste Management

- Chemicals were stored in drip trays properly.
- Unused waste and materials were removed to maintain the tidiness of the site.

## Summary of Exceedances, Investigation and Follow-up

4. Exceedance of Action/Limit levels during the reporting month (April 2021) and the investigation results and/or follow-up actions:

### Air Quality Monitoring

- No Action/Limit Level exceedance for 1-hour TSP was recorded.
- No Action/Limit Level exceedance for 24-hour TSP was recorded.

#### Construction Noise Monitoring

• No Action/Limit Level exceedance for day time construction noise monitoring was recorded in the reporting month.

#### Ecological Monitoring

• No Action and Limit Level exceedance was triggered.

## **Complaint Handling, Prosecution and Public Engagement**

## Table II Summary of Complaint/Summons/Prosecution in the Reporting Month

Event Details		vent Details	Follow-up/ Remedial Actions	Status/
Event	Number	<b>Brief Description</b>		Remarks
Complaints Received	0	-	-	-
Notification of Summons and Prosecutions Received	0	-	_	-
Public Engagement Activities	0	-	-	-

## **Reporting Changes**

5. There were no reporting changes during the reporting month.

## Future Key Issues

6. The key works or activities will be anticipated in the next reporting period are as follows:

Contract No.	Contract Title	Site Activities
DC/2018/06	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sludge Treatment Facilities and 132kV Primary Substation	<ul> <li>Excavation Works</li> <li>Wall and slab construction</li> <li>RC works</li> <li>Pipe laying</li> <li>Pipe jacking work</li> </ul>
DC/2018/07	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sewage Treatment Facilities	<ul> <li>ELS and construction of inlet reception chamber</li> <li>Trench excavation</li> <li>Road and drainage works</li> <li>Diversion of inlet works</li> <li>Process pipe of CHR and CHS</li> <li>Pre-drilling work and foundation work</li> <li>Cable diversion works</li> <li>Demolition work of existing main facilities</li> <li>Alternation of existing powerhouse</li> <li>Pre-bored H piles</li> <li>Sheet pile installation</li> </ul>
DE/2018/03	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities	<ul> <li>Relocate container includes, remove shrubs and laying blinding</li> <li>Trial pits excavation</li> <li>Construct wheel washing facilities</li> <li>Setup of piling works, mobilization of plant and equipment</li> <li>Socket H Pilling</li> <li>Installation of EOT crane (LA-05-02)</li> <li>Installation of F.S. equipment</li> </ul>
DE/2018/04	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - E&M Works for Sewage Treatment Facilities	<ul> <li>Installation of temporary filtrate equalisation tank</li> <li>Installation of temporary primary sludge thickener and its accessories.</li> <li>Retrofitting the existing primary sedimentation tank no. 4 and 6</li> </ul>

 Table III
 Summary Table for Site Activities in the Next Reporting Period

## 1 INTRODUCTION

## Background

- 1.1 The Further Expansion of Shek Wu Hui Effluent Polishing Plant (SWHEPP) is a designated Project (DP) under F.1 and F.2 of Part 1, Schedule 2 of Environmental Impact Assessment Ordinance (EIAO). The "North East New Territories New Development Areas" Environmental Impact Assessment (NENT NDAs EIA) Report (Registered No.: AEIAR-175/2013) covered the assessment for the Further Expansion of SWHSTW Phase 1A, 1B and 2, and the associated Environmental Monitoring and Audit (EM&A) Manual was approved on 18 October 2013.
- 1.2 The existing Shek Wu Hui Sewage Treatment Works (SWHSTW) is operated and maintained by the Drainage Services Department (DSD). It provides secondary level treatment to sewage collected from Sheung Shui, Fanling and adjacent areas, SWHSTW was completed in two stages and expanded progressively in the past year. In 2009, the expansion of SWHSTW was completed and its design capacity was 93,000m<sup>2</sup>/day at average dry weather flow (ADWF). After the Resource Allocation Exercise 2017, the existing SWHSTW is proposed to be upgraded from secondary to tertiary treatment level as the new SWHEPP at 3 stages: Main Works Stage 1, Stage 2 and Stage 3.
- 1.3 A Further Environmental Permit (EP) (Permit No. FEP-02/474/2013) was issued on 15 February 2018 to DSD as the Permit Holder to assume the responsibility for construction and operating the SWHEPP Project up to a capacity of 190,000m<sup>3</sup>/day. The updated Environmental Monitoring and Audit (EM&A) Manual was prepared in accordance with Condition 2.3 of the Further EP. The site layout plan for the Project is shown in **Figure 1.1**.
- 1.4 Cinotech Consultants Ltd. was designated as the Environmental Team (ET) to undertake the EM&A works for "Shek Wu Hui Effluent Polishing Plant Main Works Stage 1" (hereinafter called the "Project").

## **Purpose of the Report**

1.5 This is the 16<sup>th</sup> Monthly EM&A Report which summarises the impact monitoring results and audit findings for the EM&A programme during the reporting period in April 2021.

#### **Project Organizations**

- 1.6 Different Parties with different levels of involvement in the project organization include:
  - Permit Holder Drainage Services Department (DSD)
  - Supervisor Representative AECOM Asia Company Limited (AECOM)
  - Environmental Team (ET) Cinotech Consultants Limited (Cinotech)
  - Independent Environmental Checker (IEC) Ramboll Hong Kong Limited (Ramboll)
  - Contractors
    - o Contract No.: DC/2018/06 Kwan Lee Chun Wo Joint Venture (KLCWJV)
    - Contract No.: DC/2018/07 Kwan Lee Chun Wo Joint Venture (KLCWJV)
    - Contract No.: DE/2018/03 Jardine Engineering Corporation Limited (JEC)
    - Contract No.: DE/2018/04 Bestwise Envirotech Limited (Bestwise)

1.7 The key contacts of the Project are shown in **Table 1.1**.

1 abic 1.1	Key Hojeet Contacts		
Party	Role	Contact Person	Phone No.
DSD	Permit Holder	Ms. Konica Cheung	2594 7463
AECOM	Supervisor Representative	Ms. Bianca Choi	3907 6141
Cinotach	Environmental Team	Mr. KS Lee (ETL)	2151 2091
Cinotech	Environmental Team	Ms. Betty Choi	2151 2072
Ramboll	Independent Environmental Checker	Mr. YH Hui	3465 2850
KLCWJV	Contractor (DC/2018/06)	Ms. Ruby Hui	6218 6408
KLCWJV	Contractor (DC/2018/07)	Ms. Shirley Kong	5162 5933
JEC	Contractor (DE/2018/03)	Ms. Juliet Ting	6826 7319
Bestwise	Contractor (DE/2018/04)	Mr. Albus Cheung	9731 0831

## Table 1.1Key Project Contacts

1.8 The Organizational Structure for Environmental Management is shown in Figure 1.2.

## **Construction Activities undertaken during the Reporting Month**

1.9 The major site activities undertaken in the reporting month included:

 Table 1.2
 Summary Table for Major Site Activities in the Reporting Month

Contract No.	Contract Title	Site Activities
DC/2018/06	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sludge Treatment Facilities and 132kV Primary Substation	<ul> <li>ELS and excavation works</li> <li>Wall and slab construction</li> <li>RC works</li> <li>Pipe laying</li> <li>Pipe jacking work</li> </ul>
DC/2018/07	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sewage Treatment Facilities	<ul> <li>ELS and construction of inlet reception chamber</li> <li>Trench excavation</li> <li>Road and drainage works</li> <li>Diversion of inlet works</li> <li>Process pipe of CHR and CHS</li> <li>Pre-drilling work and foundation work</li> <li>Pre-bored H piles</li> <li>Cable diversion works</li> <li>Alternation of existing powerhouse</li> <li>Demolition work of existing main facilities</li> <li>Sheet pile installation</li> </ul>

Contract No.	Contract Title	Site Activities
DE/2018/03	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities	<ul> <li>Break concrete pavement and ramp</li> <li>Construct sump pit and curb</li> </ul>
DE/2018/04	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - E&M Works for Sewage Treatment Facilities	<ul> <li>Construction of temporary filtrate equalisation tank</li> <li>Installation of temporary primary sludge thickener and its accessories</li> <li>Retrofitting the existing primary sedimentation tank no. 4 and 6</li> </ul>

### Summary of EM&A Requirements

- 1.10 The EM&A programme requires construction noise monitoring, air quality monitoring, water quality monitoring, ecological monitoring and environmental site audit, etc. The EM&A requirements for each parameter are described in the following sections, including:
  - All monitoring parameters;
  - Action and Limit levels for all environmental parameters;
  - Event Action Plans;
  - Environmental mitigation measures, as recommended in the Project EIA Report.
- 1.11 The advice on the implementation status of environmental protection and pollution control/mitigation measures is summarized in Section 8 of this report.
- 1.12 This report presents the monitoring results, observations, locations, equipment, period, methodology and QA/QC procedures of the monitoring parameters of the required environmental monitoring works and audit works for the Project in April 2021.

#### **Statues of Environmental Licensing and Permitting**

1.13 All permits/licenses obtained for the Project are summarized in Table 1.3.

#### Table 1.3 Summary of Environmental License and Permit

Contract No.	Permit / License No.	Valid Period		Status	
Contract No.	Fernit / License No.	From	То	Status	
Environmenta	l Permit (EP)				
All	FEP-02/474/2013	15 Feb 2018	N/A	Valid	
Notification of	Notification of Construction Works under Air Pollution Control Ordinance (APCO)				
DC/2018/06	449210 (Portion A & C)	23 Sep 2019	N/A	Valid	
DC/2018/06	449211 (WM1)	23 Sep 2019	N/A	Valid	
DC/2018/07	449210	23 Sep 2019	N/A	Valid	
DE/2018/03	455843 (WA3)	6 May 2020	N/A	Valid	
DE/2018/03	457212 (WA1-B)	15 Jun 2020	N/A	Valid	

		Valid	Valid Period	
Contract No.	Permit / License No.	From	То	Status
DE/2018/03	460065 (Sidestream)	16 Sep 2020	N/A	Valid
DE/2018/04	460181	Notified EPD on 17 Sep 2020	N/A	Valid
Billing Accourt	nt for Construction Waste Disposa	1		
DC/2018/06	7035390	11 Oct 2019	N/A	Valid
DC/2018/07	7035985	9 Dec 2019	N/A	Valid
DE/2018/03	7035700	6 Nov 2019	N/A	Valid
DE/2018/04	703621912	2 Jan 2020	N/A	Valid
Registration o	f Chemical Waste Producer		·	
DC/2018/06	5213-624-K3371-01	14 Nov 2019	N/A	Valid
DC/2018/07	5213-624-K3371-02	6 Jan 2020	N/A	Valid
DE/2018/03	5213-624-T3861-01	14 Apr 2020	N/A	Valid
DE/2018/04	5213-624-B2592-01	7 Jul 2020	N/A	Valid
Effluent Disch	arge License		·	
DC/2018/06	WT00035431-2019 (Portion C)	27 Jul 2020	31 Jan 2025	Valid
DC/2018/06	WT00035718-2020 (Portion A)	2 Apr 2020	30 Apr 2025	Valid
DC/2018/07	WT00035727-2020	1 Apr 2020	30 Apr 2025	Valid
DE/2018/03	WT00037220-2020	16 Mar 2021	31 Jan 2026	Valid
Construction I	Noise Permit (Use of Powered Mec	hanical Equipmo	ent)	
DC/2018/06 & DC/2018/07	GW-RN0753-20	30 Oct 2020	11 Apr 2021	Expired on 11 Apr 2021
DC/2018/06 & DC/2018/07	GW-RN0181-21	12 Apr 2021	11 Jul 2021	Valid
DC/2018/06	GW-RN0223-21	1 Apr 2021	30 Apr 2021	Valid
DE/2018/03	GW-RN0274-21	28 Apr 2021	27 Jul 2021	Valid
DE/2018/04	GW-RN0231-21	1 Apr 2021	6 Apr 2021	Expired on 6 Apr 2021
Admission Tic	ket for Disposal of Special Waste			
DC/2018/07	16113	17 Feb 2021	16 Jun 2021	Valid

## 2 AIR QUALITY

## **Monitoring Requirement**

2.1 According to the Updated EM&A Manual of SWHEPP, 1-hour and 24-hour Total Suspended Particulates (TSP) monitoring were conducted to monitor the air quality for this Project. For regular impact monitoring, a sampling frequency of at least once in every six days at all of the monitoring stations for 24-hour TSP monitoring. For 1-hour TSP monitoring, the sampling frequency of at least three times in every six days shall be undertaken when the highest dust impact occurs. **Appendix A** shows the established Action/Limit Levels for the environmental monitoring works.

### **Monitoring Locations**

2.2 Four designated monitoring stations were selected for air quality monitoring programme. Table2.1 describes the air quality monitoring locations, which are also depicted in Figure 2.

Monitoring Stations	Location	Location of Measurement
AM1 <sup>(1)</sup>	Wai Loi Tsuen	Ground Level
AM2 <sup>(1)</sup>	Fu Tei Au	Ground Level
AM1a <sup>(2)</sup>	Site Boundary of the Shek Wu Hui STW (East)	Ground Level
AM2a <sup>(2)</sup>	Site Boundary of the Shek Wu Hui STW (North)	Ground Level

Table 2.1 Air Quality Monitoring Locations

Remarks: (1) For 1-hour TSP monitoring; (2) For 24-hour TSP monitoring

## **Monitoring Parameters and Frequency**

2.3 **Table 2.2** summarizes the monitoring parameters, monitoring period and frequencies of impact air quality monitoring. The monitoring schedule is shown in **Appendix B**.

 Table 2.2 Frequency and Parameters of Air Quality Monitoring

Monitoring Stations	Parameter	Period	Frequency
AM1 & AM2	1-hour TSP	0700 - 1900	3 times/day, once every 6 days
AM1a & AM2a	24-hour TSP	24 hours	Once every 6 days

## **Monitoring Equipment**

- 2.4 High Volume Samplers (HVS) in compliance with the specification stipulated in the EM&A Manual, Section 2.2.2, were used to carry out 24-hour TSP monitoring. Direct reading dust meter were also used to measure 1-hour average TSP levels. The 1-hour sampling was determined by HVS to check the validity and accuracy of the results measured by direct reading method.
- 2.5 Wind data monitoring equipment was set on rooftop (about 4/F) of the SWHSTW control room building for logging wind speed and wind direction such that the wind sensors were clear of obstructions or turbulence caused by building. The wind data monitoring equipment was recalibrated at least once every six months and the wind directions were divided into 16 sectors of 22.5 degrees each.

2.6 **Table 2.3** summarizes the equipment to be used for air quality monitoring. Copies of calibration certificates are attached in **Appendix C**.

Tuble 210 Thi Quality Monitoring Equipment					
Equipment	Model and Make	Quantity			
1-hour TSP Dust Meter	Sibata Model No.: LD-5R	2			
	GMW Model: GS 2310	1			
HVS Sampler	TISCH Model: TE 5170	1			
Calibrator	TISCH Model: TE-5025A	1			
Wind Anemometer	Global Water Instrumentation WE800	1			

## Table 2.3Air Quality Monitoring Equipment

## **Monitoring Methodology**

### 1-hour TSP Monitoring

### Measuring Procedures

2.7 The measuring procedures of the 1-hour dust meter are in accordance with the Manufacturer's Instruction Manual as follows:

(Sibata Model No.: LD-5R)

- The 1-hour dust meter is placed at least 1.3 meters above ground.
- Set POWER to "ON" and make sure that the battery level was not flash or in low level.
- Allow the instrument to stand for about 3 minutes and then the cap of the air sampling inlet has been released.
- Push the knob at MEASURE position.
- Set time/mode setting to [BG] by pushing the time setting switch. Then, start the background measurement by pushing the start/stop switch once. It will take 6 sec. to complete the background measurement.
- Push the time setting switch to change the time setting display to [MANUAL] at the bottom left of the liquid crystal display. Finally, push the start/stop switch to stop the measuring after 1 hour sampling.
- Information such as sampling date, time, count value and site condition were recorded during the monitoring period.

#### Maintenance/Calibration

- 2.8 The following maintenance/calibration is required for the 1-hour dust meter:
  - Check and calibrate the meter by HVS to check the validity and accuracy of the results measured by direct reading method at 2-month intervals throughout all stages of the air quality monitoring.

## 24-hour TSP Monitoring

## Instrumentation

- 2.9 High volume samplers (HVS) (TISCH Model: TE-5170) complete with appropriate sampling inlets was employed for 24-hour TSP monitoring. The sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complied with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50). Moreover, the HVS also met all the requirements in Section 2.2 of the Annex II Specification.
- 2.10 The positioning of the HVS samplers are as follows:
  - A horizontal platform with appropriate support to secure the samplers against gusty wind shall be provided;
  - No two samplers shall be placed less than 2 meter apart;
  - The distance between the sampler and an obstacle, such as buildings, must be at least twice the height that the obstacle protrudes above the sampler;
  - A minimum of 2 metres of separation from walls, parapets and penthouses is required for rooftop samplers;
  - A minimum of 2 metres of separation from any supporting structure, measured horizontally is required;
  - No furnace or incinerator flue is nearby;
  - Airflow around the sampler is unrestricted;
  - The sampler is more than 20 metres from the dripline;
  - Any wire fence and gate, to protect the sampler, shall not cause any obstruction during monitoring;
  - Permission must be obtained to set up the samplers and to obtain access to the monitoring stations; and
  - A secured supply of electricity is needed to operate the samplers.

## Operating/analytical procedures for the operation of HVS

- 2.11 Operating/analytical procedures for the air quality monitoring are highlighted as follows:
  - Prior to the commencement of the dust sampling, the flow rate of the high volume sampler was properly set (between 1.1 m<sup>3</sup>/min. and 1.4 m<sup>3</sup>/min.) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50.
  - For TSP sampling, fiberglass filters with a collection efficiency of > 99% for particles of  $0.3 \mu m$  diameter were used.
  - The power supply was checked to ensure the sampler worked properly. On sampling, the sampler was operated for 5 minutes to establish thermal equilibrium before placing any filter media at the designated air monitoring station.
  - The filter holding frame was then removed by loosening the four nuts and a weighted and conditioned filter was carefully centered with the stamped number upwards, on a supporting screen.
  - The filter was aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame was tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges.

- The shelter lid was closed and secured with the aluminum strip.
- The timer was then programmed. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).
- After sampling, the filter was removed and sent to the HOKLAS laboratory (High Precision Chemical Testing Limited) for weighing. The elapsed time was also recorded.
- Before weighing, all filters were equilibrated in a conditioning environment for 24 hours. The conditioning environment temperature should be between 25°C and 30°C and not vary by more than  $\pm 3$ °C; the relative humidity (RH) should be < 50% and not vary by more than  $\pm 5\%$ . A convenient working RH is 40%.

## Maintenance/Calibration

- 2.12 The following maintenance/calibration is required for the HVS:
  - The high volume motors and their accessories were properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking were made to ensure that the equipment and necessary power supply are in good working condition.
  - High volume samplers were calibrated at bi-monthly intervals using TE-5025A Calibration Kit throughout all stages of the air quality monitoring.

## **Results and Observations**

- 2.13 Impact air quality monitoring was conducted at four monitoring stations as scheduled. The monitoring schedule is shown in **Appendix B**.
- 2.14 No Action/Limit Level exceedance was recorded for all 1-hour TSP monitoring in the reporting month.
- 2.15 No Action/Limit Level exceedance was recorded for all 24-hour TSP monitoring in the reporting month.
- 2.16 The air temperature, precipitation and the relative humidity data was obtained from daily extract of Ta Kwu Ling Station in Hong Kong Observatory Climate Information Service, where the wind speed and wind direction were recorded by the installed Wind Anemometer at rooftop (about 4/F) of the SWHSTW control room building. This weather information for the reporting month is summarized in **Appendix D**.
- 2.17 The monitoring data and graphical presentations of 1-hour and 24-hour TSP monitoring results are shown in **Appendix E** and **Appendix F** respectively.
- 2.18 According to our field observations, the major dust source identified at the designated air quality monitoring stations are as follows:

Monitoring Stations	Major Dust Source
AM1 - Wai Loi Tsuen	Road Traffic at Sheung Shui Tung Hing Road
AM2 - Fu Tei Au	N/A
AM1a - Site Boundary of the Shek Wu Hui STW (East)	Vehicle Movement within SWHSTW
AM2a - Site Boundary of the Shek Wu Hui STW (North)	N/A

## Table 2.4 Major Dust Source during Air Quality Monitoring

## Comparison of EM&A Result with EIA Prediction

2.19 The air monitoring data was compared with the predictions in the EIA Report (as approved in 2013) as summarised in **Tables 2.5** and **Table 2.6**.

# Table 2.5Comparison of 1-hr TSP Monitoring Data with Predictions in EIA Report (As<br/>Approved in 2013)

Monitoring Stations	ASR ID	Predicted 1-hr TSP Concentration in EIA Report (as Approved in 2013), dB(A), μg/m <sup>3</sup>	Reporting Month (April 2021), μg/m <sup>3</sup>
AM1 - Wai Loi Tsuen	N/A	N/A <sup>(1)</sup>	26.4 - 72.6
AM2 - Fu Tei Au	FLN-E28	255	24.2 - 74.8

Remarks:

(1) No 1-hr TSP concentration was predicted in EIA Report (As Approved in 2013).

## Table 2.6Comparison of 24-hr TSP Monitoring Data with Predictions in EIA Report<br/>(As Approved in 2013)

Monitoring Stations	Predicted 24-hr TSP Concentration in EIA Report (as approved in 2013), dB(A), μg/m <sup>3</sup>	Reporting Month (April 2021), µg/m <sup>3</sup>
AM1a - Site Boundary of the Shek Wu Hui STW (East)	N/A <sup>(1)</sup>	11.9 - 84.8
AM2a - Site Boundary of the Shek Wu Hui STW (North)	N/A <sup>(1)</sup>	32.5 - 58.5

Remarks:

(1) No 24-hr TSP concentration was predicted in EIA Report (as approved in 2013).

2.20 The 1-hour TSP concentration at AM2 in the reporting month was lower than the prediction in the EIA Report (As Approved in 2013). The 1-hour TSP concentrations at AM1 as well as 24-hour TSP concentrations at AM1a and AM2a were not predicted in the EIA Report (As Approved in 2013).

## 3 NOISE

## **Monitoring Requirements**

3.1 According to the Updated EM&A Manual, construction noise monitoring was conducted to monitor the construction noise arising from the construction activities. The regular monitoring frequency for each monitoring station shall be on a weekly basis and conduct one set of measurements between 0700 and 1900 hours on normal weekdays. **Appendix A** shows the established Action and Limit Levels for the environmental monitoring works.

## **Monitoring Locations**

3.2 Noise monitoring was conducted at three designated monitoring stations in the reporting period. **Table 3.1** and **Figure 3** show the locations of these stations.

Monitoring Stations	Location	Location of Measurement
NM1	Wai Loi Tsuen	Ground Level
NM2	Fu Tei Au	Ground Level
NM3	Man Kok Village	Ground Level

 Table 3.1
 Noise Monitoring Stations

## Monitoring Parameters, Frequency and Duration

3.3 **Table 3.2** summarizes the monitoring parameters, frequency and total duration of monitoring. The noise monitoring schedule is shown in **Appendix B**.

Table 3.2Frequency and Parameters of Noise Monitoring

Monitoring Stations	Time Period	Duration	Frequency	Parameter	Measurement
NM1				L <sub>10</sub> (30 min.) dB(A)	Free Field
NM2	0700-1900 hrs on normal weekdays	30 minutes	Once per week	L <sub>90</sub> (30 min.) dB(A)	Free Field
NM3				L <sub>eq</sub> (30 min.) dB(A)	Free Field

## **Monitoring Equipment**

3.4 Integrating Sound Level Meter was used for impact noise monitoring. The meters were Type 1 sound level meter capable of giving a continuous readout of the noise level readings including equivalent continuous sound pressure level ( $L_{eq}$ ) and percentile sound pressure level ( $L_x$ ) that also complied with International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1) specifications. **Table 3.3** summarizes the noise monitoring equipment being used. Copies of calibration certificates are attached in **Appendix G**.

Table 5.5 Noise Monitoring E	quipment	
Equipment	Model and Make	Quantity
Integrating Sound Level Meter	BSWA 308	3
Calibrator	ST-120	2

## Table 3.3Noise Monitoring Equipment

## Monitoring Methodology and QA/QC Procedure

- 3.5 The monitoring procedures are as follows:
  - The monitoring station was normally be at a point 1m from the exterior of the sensitive receivers building façade and be at a position 1.2m above the ground.
  - For free field measurement, the meter was positioned away from any nearby reflective surfaces. All records for free field noise levels were adjusted with a correction of +3 dB(A).
  - The battery condition was checked to ensure the correct functioning of the meter.
  - Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
    - Frequency weighting: A
    - Time weighting: Fast
    - Time measurement: 30 minutes
  - Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1.0 dB, the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.
  - The wind speed was frequently checked with the portable wind meter.
  - At the end of the monitoring period, the L<sub>eq</sub>, L<sub>90</sub> and L<sub>10</sub> were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
  - Noise monitoring would be cancelled in the presence of fog, rain, and wind with a steady speed exceeding 5 m/s, or wind with gusts exceeding 10 m/s. Supplementary monitoring would be provided to ensure sufficient data would be obtained.

## Maintenance and Calibration

- 3.6 The microphone head of the sound level meter and calibrator were cleaned with a soft cloth at quarterly intervals.
- 3.7 The sound level meter and calibrator were checked and calibrated at yearly intervals.
- 3.8 Immediately prior to and following each noise measurement the accuracy of the sound level meter was checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements were accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.

## **Results and Observations**

- 3.9 No Action/Limit Level exceedance was recorded for all construction noise monitoring in the reporting month.
- 3.10 Noise monitoring results and graphical presentations are shown in Appendix H.

3.11 The major noise sources identified at the noise monitoring stations are shown in **Table 3.4**.

	6 6
Monitoring Stations	Major Noise Source
NM1	Railway Noise and Road Traffic at Sheung Shui Tung Hing Road
NM2	N/A
NM3	Road Traffic at Po Wan Road

 Table 3.4
 Other Noise Source Identified during Noise Monitoring

3.12 All the Construction Noise Levels (CNLs) reported in this report were adjusted with the corresponding baseline level (i.e. Measured Leq – Baseline Leq = CNL), in order to facilitate the interpretation of the noise exceedance. The baseline noise level and the Noise Limit Level at each designated noise monitoring station are presented in **Table 3.5**.

Table 3.5Baseline Noise Level and Noise Limit Level for Monitoring Stations

Monitoring Stations	Baseline Noise Level, dB (A) (at 0700 – 1900 hrs on normal weekdays)	Noise Limit Level, dB (A) (at 0700 – 1900 hrs on normal weekdays)
NM1	63.4	
NM2	58.0	75
NM3	63.4	

## Comparison of EM&A Result with EIA Prediction

3.13 The noise monitoring data was compared with the predictions in EIA Report (as approved in 2013) as summarised in **Table 3.6**.

# Table 3.6Comparison of Noise Monitoring Data with Predictions in EIA Report (As<br/>Approved in 2013)

Monitoring Stations	NSR ID	Predicted Mitigated Construction Noise Levels in EIA Report (as Approved in 2013), dB(A)	Reporting Month (April 2021), Leq (30min) dB(A)
NM1 - Wai Loi Tsuen	N/A	N/A <sup>(1)</sup>	53.2 –57.5
NM2 - Fu Tei Au	N/A	N/A <sup>(1)</sup>	55.8 –57.4
NM3 – Man Kok Village	FN-18	66-75	56.2 -60.4

Remarks:

(1) No construction noise level was predicted in EIA Report (As Approved in 2013).

3.14 The results at NM3 were lower than the range of the predicted mitigated construction noise levels in the EIA Report (As Approved in 2013). Construction noise levels at NM1 and NM2 were not predicted in the EIA Report (As Approved in 2013).

## 4 ECOLOGY

## **Monitoring Requirements**

4.1 According to the Updated EM&A Manual, waterbird species which use rivers near the Project Site were identified and recorded. The monitoring requirement in the EM&A Manual is shown in **Table 4.1**. Appendix A shows the established Action/Limit Levels for ecological monitoring works.

## Table 4.1Monitoring of Measures to Minimise Disturbance to Waterbirds on Ng Tung,<br/>Sheung Yue and Shek Sheung Rivers during Construction Phase

Phase	Methodology	
Construction	Weekly transect at both high and low tides to identify and enumerate all bird species utilising the river channels and identify any sources of actual or potential disturbance to birds due to construction activities throughout the construction period.	

4.2 The monitoring should be conducted by the ET and supervised by a qualified ecologist who will be a member of the ET.

### **Monitoring Locations**

4.3 Transect and point count surveys were proposed within the 500m boundary of Ng Tung River, Sheung Yue River and Shek Sheung River of the assessment area. Three transects and seven-point count locations during high and low tides were applied. These locations are shown in **Figure 4** and summarized in **Table 4.2**. The photo of each transect is provided in **Appendix J**.

Table 4.2	Ecological I	Monitoring S	tations
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Monitoring Stations	Descriptions	Influenced by Tidal Action	
Transect T1			
Point Count Location P1		No	
Point Count Location P2	Alara Na Tana Diara		
Transect T2	Along Ng Tung River		
Point Count Location P3		Yes	
Point Count Location P4			
Deint Count Leastian D5	At Shek Sheung River	No	
Point Count Location P5	(Low-flow Channel)	INO	
Transect T3	Along Shek Sheung River & Sheung Yue River	Yes	
Point Count Location P6	At Shek Sheung River	Yes	
Point Count Location P7	At Intersection between Sheung Yue River and Shek Sheung River	Yes	

## **Monitoring Parameters, Frequency and Duration**

4.4 Monitoring surveys were conducted on a weekly basis at both high and low tides (it is considered high tide when tidal levels are above 1.5m and low tide when tidal level are below 1.5m at Tsim Bei Tsui Station). The magnitude of how much above or below 1.5m was subject to tidal conditions of that week as it varied throughout different times of the year. Nonetheless, the high and low tide relative to that week's tidal condition were taken into consideration. The ecological monitoring schedule is shown in **Appendix B**.

## **Monitoring Methodology**

- 4.5 Transect survey was undertaken along the concerned rivers (Ng Tung River, Sheung Yue River and Shek Sheung River) adjacent to proposed construction activities. As the sensitive receivers (large waterbirds) are easily visible and the surveyor has used auxiliary equipment such as camera(s) and binoculars (magnification 7-10x). The transect route only follows one bank of these rivers.
- 4.6 At point count locations, surveyors identified and recorded bird species which were seen or heard along the river channel. For each point count, surveyors quantitatively recorded all species seen and heard for the duration of five minutes up to the distance where birds were still detectable. All avifauna along the walk transect were recorded. Noticeable behaviours (e.g. breeding behaviours such as nesting and presence of recently fledged juveniles, roosting and feeding activities, etc.) were recorded as well.
- 4.7 Ornithological nomenclature used in report should follow *The Avifauna of Hong Kong* (Carey et al. (2001)), *The Birds of Hong Kong and South China* (Viney et al. (2005)) and the most recent updated list from other sources (e.g. Hong Kong Bird Watching Society).
- 4.8 Weather conditions, tidal information at the time of the survey and other noticeable activities occurring within or in the vicinity of the survey areas (e.g. ongoing routine drainage channel maintenance works and other human activities that could create disturbances to birds) were recorded.

## **Analytical Methodology**

4.9 The number and species of waterbirds utilizing the rivers fluctuate every day naturally. Therefore, the survey data were collectively analysed on a monthly basis to increase the sample size and to reduce random error on one survey day. Since occurrence of waterbirds has distinctive seasonal pattern, the construction phase data for all waterbirds and representative waterbirds were compared with the baseline data for the respective month and season. The representatives of waterbirds are listed in **Table 4.3**.

Species Name	Common Name	Chinese Name
Egretta garzetta	Little Egret	小白鷺
Ardea cinerea	Grey Heron	蒼鷺
Ardeola bacchus	Chinese Pond Heron	池鷺
Phalacrocorax carbo	Great Cormorant	普通鸕鷀
Ardea alba	Great Egret	大白鷺
Bubulcus coromandus	Eastern Cattle Egret	牛背鷺

#### Table 4.3 Representative Waterbirds

- 4.10 When a decline in abundance of all or representative waterbird is identified, one-tailed Student t-test was adopted to statistically analyse whether the drop is significant. If the collected data for the reporting month fails to show no significant difference from that in the baseline phase at 95% confidence level, the action level will be triggered. Likewise, the limit level is set at 99% confidence level.
- 4.11 In addition, if important behaviours such as breeding, brooding, nesting and presence of recently fledged juveniles of species of conservation importance are observed, the Resident Engineer, Contractor and IEC should be notified immediately after the survey. The Contractor should review current construction programme and minimize disturbance due to construction activities.

#### Results

4.12 For this reporting month, the numbers of species and individuals recorded were provided in **Table 4.4**. The photo record of waterbirds can be found in **Appendix J**.

Table 4.4Total Bird Species and Abundance in the Reporting Month

Number of Species		Abundance
All Avifauna	42	519
Waterbirds	14	194

4.13 **Table 4.5** presents the abundance of representative species.

Table 4.5 Abundance of Kepresentative Water bir us in the Kepor ting month	Table 4.5	Abundance of Representative Waterbirds in the Reporting Month
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Species Name	Species Name Common Name Chinese Name		Abundance
Egretta garzetta	Little Egret	小白鷺	79
Ardea cinerea	Grey Heron	蒼鷺	2
Ardeola bacchus	Chinese Pond Heron	池鷺	48
Phalacrocorax carbo	Great Cormorant	普通鸕鷀	0
Ardea alba	Great Egret	大白鷺	15
Bubulcus coromandus	Eastern Cattle Egret	牛背鷺	25

## Analysis

4.14 The result of student t-tests for all waterbirds and representative waterbirds are compiled in **Table 4.6** and **4.7** respectively. Further details are provided in **Appendix I**.

Table 4.6T-test Result for All Waterbirds in the Reporting Month

T-values of Data in Reporting Month			Confidence Leve	l (Critical Value)
1-values (	n Data in Keporti		95% (-2.353)	99% (-4.541)
Ahundanaa	Monthly	0.068	$\checkmark$	$\checkmark$
Abundance	Seasonal	0.779	$\checkmark$	$\checkmark$

Remarks

✓ = T-value falls within the confidence level, the impact monitoring data shows no significant difference to the baseline data.

**\*** = T-value falls outside the confidence level, the impact monitoring data shows significant difference to the baseline data.

Table 4.7T-test Result for Representative Waterbirds in the Reporting Month

Common Name of	<b>T-value</b>	(Critical Value) (Critical Value)				Overall	
Representative Waterbird	Monthly	95% (-2.353)	99% (-4.541)	Seasonal	95% (-2.353)	99% (-4.541)	Overall
Little Egret	-1.100	$\checkmark$	$\checkmark$	-0.200	$\checkmark$	$\checkmark$	$\checkmark$
Grey Heron				N/A*		•	
Chinese Pond Heron	-1.529	$\checkmark$	$\checkmark$	-2.561	$\checkmark$	$\checkmark$	$\checkmark$
Great Cormorant				N/A*			
Great Egret	1.464	$\checkmark$	$\checkmark$	1.419	$\checkmark$	$\checkmark$	$\checkmark$
Eastern Cattle Egret	-0.626	$\checkmark$	$\checkmark$	1.680	$\checkmark$	$\checkmark$	$\checkmark$

Remarks

✓ = T-value falls within the confidence level, the impact monitoring data shows no significant difference to the baseline data.

★ = T-value falls outside the confidence level, the impact monitoring data shows significant difference to the baseline data. \* Great Cormorant (*Phalacrocorax carbo*) and Grey Heron (*Ardea cinerea*) were not recognised as representative waterbird species during Summer.

4.15 No Action Level and Limit Level was triggered for ecological monitoring in the reporting month.

4.16 The monitoring work will continue next month to evaluate any construction impact on waterbirds.

#### Observations

- 4.17 Waterbird behaviour observed during ecological monitoring are listed below:
  - Flying
  - Foraging
  - Soaring
  - Resting

4.18 The anthropogenic activities observed during ecological monitoring are listed in **Table 4.8**.

Londian	Obser	rvations
Location	Project Related	Non-project Related
T1 (PC1, PC2)	N/A	Fishing and jaywalking
T2 (PC3, PC4)	Excavation and crane	Fishing and jaywalking
PC5	Excavation and crane	N/A
T3 (PC6, PC7)	N/A	Fishing and jaywalking

	Table 4.8	<b>Observations during Ecological Monitoring in the Reporting Month</b>
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## 5 WATER QUALITY

### **Monitoring Requirement**

- 5.1 According to the Updated EM&A Manual, no water monitoring is required before the commencement of outfall construction at Ng Tung River.
- 5.2 Site audits were carried out on a weekly basis to monitor and audit the timely implementation of water quality mitigation measures within the site boundaries of this Project. The summaries of site audits are attached in **Appendix K**.

## **6 WASTE MANAGEMENT**

### **Monitoring Requirement**

6.1 According to the Updated EM&A Manual, waste management would be the contractor's responsibility to ensure that all wastes produced during the construction works for the Project are handled, stored and disposed of in accordance with good waste management practices, EPD's regulations and requirements. No monitoring for waste management is required for the Project. An environmental management plan (EMP) should be prepared and submitted to the Supervisor for approval. The monitoring and auditing requirements of the EMP should be followed with regard to the management of C&D material.

#### Waste Management Status

- 6.2 Site audits were carried out on a weekly basis to monitor and audit to ensure that proper storage, transportation and disposal practices of waste materials generated during construction activities, such as construction and demolition (C&D) materials and general refuse are being implemented. The summaries of site audits are attached in **Appendix K**.
- 6.3 The amount of wastes generated by the major site activities of this Project during the reporting month is shown in **Appendix L**.

## 7 LANDSCAPE AND VISUAL

#### **Audit Requirement**

- 7.1 According to the Updated EM&A Manual, site audits would be undertaken during the construction phase of the Project to check that the proposed landscape and visual mitigation measures are properly implemented and maintained as per their intended objectives. Particularly audits would be carried out during site clearance when proposed tree felling and transplantation may occur. Site inspections would be undertaken at least once every two weeks during the construction period.
- 7.2 Site audits were carried out on a weekly basis to monitor and audit the timely implementation of landscape and visual mitigation measures within the site boundaries of this Project. The summaries of site audits are attached in **Appendix K**.

## 8 ENVIRONMENTAL AUDIT

#### Site Audits

- 8.1 Site audits were carried out on a weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site. The summaries of site audits are attached in **Appendix K**.
- 8.2 Site audits for Contract No. DC/2018/06 and DC/2018/07 were conducted on 8, 14, 20 & 27 April 2021 in the reporting month, whereas that for Contract No. DE/2018/03 and DE/2018/04 were conducted on 7, 13, 20 & 27 April 2021 in the reporting month. Joint site inspection with the representative of IEC was conducted on 27 April 2021. No non-compliance was observed during the site audit.

#### **Implementation Status of Environmental Mitigation Measures**

- 8.3 According to Environmental Permits, the approved EIA Report (Register No.: AEIAR-175/2013), and the Updated EM&A Manual of the Project, the mitigation measures detailed in the documents are recommended to be implemented during the construction phase. An Environmental Mitigation Implementation Schedule (EMIS) is provided in **Appendix N**.
- 8.4 The ET weekly site inspections were carried out during the reporting month and the observations and recommendations are summarized in **Tables 8.1 8.4**. Refer to **Appendix K** for the site inspection summary reports in the reporting month.

Parameters	Date	Observations and RecommendationsFollow-up		
Water Quality	N/A	There was no observation in the reporting period.	N/A	
Air Quality	N/A	There was no observation in the reporting period.	N/A	
Noise	N/A	There was no observation in the reporting period.	N/A	
Waste / Chemical Management	27 Apr 2021	Chemicals should be stored in drip tray at Portion C.	Follow-up actions will be reported in the next month.	
Ecology and Fisheries	N/A	There was no observation in the reporting period.	N/A	
Visual and Landscape	N/A	There was no observation in the reporting period.	N/A	
Permits /Licences	N/A	There was no observation in the reporting period.	N/A	

 Table 8.1
 Observations and Recommendations of Site Audit of Contract No. DC/2018/06

Parameters	Date	Observations and Recommendations	Follow-up
Water Quality	N/A	There was no observation in the reporting period.	N/A
Air Quality	N/A	There was no observation in the reporting period.	N/A
Noise	N/A	There was no observation in the reporting period.	N/A
Waste / Chemical Management	N/A	There was no observation in the reporting period.	N/A
Ecology and Fisheries	N/A	There was no observation in the reporting period.	N/A
Visual and Landscape	N/A	There was no observation in the reporting period.	N/A
Permits /Licences	N/A	There was no observation in the reporting period.	N/A

1 able 0.2 Observations and Recommendations of Site Audit of Contract No. DC/2016/0	Table 8.2	<b>Observations and Recommendations of Site Audit of Contract No. DC/2018/07</b>
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Table 8.3 Observ	vations and Recomme	ndations of Site Audit	of Contract No	). DE/2018/03
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Parameters	Date	Observations and Recommendations	Follow-up
Water Quality	N/A	There was no observation in the reporting period.	N/A
Air Quality	N/A	There was no observation in the reporting period.	N/A
Noise	N/A	There was no observation in the reporting period.	N/A
Waste / Chemical Management	N/A	There was no observation in the reporting period.	N/A
Ecology and Fisheries	N/A	There was no observation in the reporting period.	N/A
Visual and Landscape	N/A	There was no observation in the reporting period.	N/A
Permits /Licences	N/A	There was no observation in the reporting period.	N/A

Parameters	Date	Observations and Recommendations	Follow-up
Water Quality	N/A	There was no observation in the reporting period.	N/A
Air Quality	N/A	There was no observation in the reporting period.	N/A
Noise	N/A	There was no observation in the reporting period.	N/A
Waste / Chemical Management	30 Mar 2021	Waste accumulated should be removed at Portion B-3-B.	The condition was observed to be improved/rectified by the contractor during the audit session on 7 Apr 2021.
Ecology and Fisheries	N/A	There was no observation in the reporting period. N/A	
Visual and Landscape	N/A	There was no observation in the reporting period. N/A	
Permits /Licences	N/A	There was no observation in the reporting period.	N/A

## Table 8.4 Observations and Recommendations of Site Audit of Contract No. DE/2018/04

## **Implementation Status of Event and Action Plans**

8.5 The Event and Action Plans for air quality, construction noise, ecological monitoring and landscape and visual are presented in **Appendix M**.

#### Air Quality Monitoring

- No Action/Limit Level exceedance for 1-hour TSP was recorded.
- No Action/Limit Level exceedance for 24-hour TSP was recorded.

#### Construction Noise Monitoring

- No documented complaint on construction noise was received; no Action Level exceedance for day time construction noise monitoring was recorded.
- No Limit Level exceedance for day time construction noise monitoring was recorded in the reporting month.

### Ecological Monitoring

• No Action and Limit Level was triggered.

### Landscape and Visual Monitoring

• No non-conformity for landscape and visual was recorded.

## 9 ENVIRONMENTAL NON-CONFORMANCE

Summary of Complaint, Warning, Notification of any Summons and Successful Prosecution

- 9.1 No environmental complaints, warning, notifications of summons and successful prosecutions were received in the reporting month.
- 9.2 The summary of environmental complaint, warning, summon and notification of successful prosecution for the Project is presented in **Appendix O**.

### **Summary of Exceedance**

9.3 The summary of exceedance record in reporting month is shown in Appendix P.

## **10 FUTURE KEY ISSUES**

- 10.1 Tentative construction programmes for the next three months are provided in Appendix Q.
- 10.2 Major site activities undertaken for the coming months are summarized in **Table 10.1**.

## Table 10.1 Summary Table for Site Activities in the Next Reporting Period

Contract No.	Contract Title	Site Activities
DC/2018/06	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sludge Treatment Facilities and 132kV Primary Substation	<ul> <li>Excavation Works</li> <li>Wall and slab construction</li> <li>RC works</li> <li>Pipe laying</li> <li>Pipe jacking work</li> </ul>
DC/2018/07	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sewage Treatment Facilities	<ul> <li>ELS and construction of inlet reception chamber</li> <li>Trench excavation</li> <li>Road and drainage works</li> <li>Diversion of inlet works</li> <li>Process pipe of CHR and CHS</li> <li>Pre-drilling work and foundation work</li> <li>Cable diversion works</li> <li>Demolition work of existing main facilities</li> <li>Alternation of existing powerhouse</li> <li>Pre-bored H piles</li> <li>Sheet pile installation</li> </ul>
DE/2018/03	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Sidestream Treatment Facilities and E&M Works for Sludge Treatment Facilities	<ul> <li>Relocate container includes, remove shrubs and laying blinding</li> <li>Trial pits excavation</li> <li>Construct wheel washing facilities</li> <li>Setup of piling works, mobilization of plant and equipment</li> <li>Socket H Pilling</li> <li>Installation of EOT crane (LA-05-02)</li> <li>Installation of F.S. equipment</li> </ul>
DE/2018/04	Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - E&M Works for Sewage Treatment Facilities	<ul> <li>Installation of temporary filtrate equalisation tank</li> <li>Installation of temporary primary sludge thickener and its accessories.</li> <li>Retrofitting the existing primary sedimentation tank no. 4 and 6</li> </ul>

10.3 Key environmental issues in the coming months include:

- Stockpile accumulation on-site;
- Water spraying for dust generating activities and on haul road;
- Wastewater and runoff discharge from site;
- No disposition of slurry at the existing Shek Wu Hui Sewage Treatment Works;
- Coverage of open manholes to avoid dirty runoff to drainage system;
- Noise from operation of the equipment, especially for excavation works and machinery onsite;
- Accumulation of general refuse and construction waste on-site;
- Proper storage of construction materials on-site; and
- Storage of chemicals/fuel and chemical waste/waste oil on-site.

### **Monitoring Schedule**

10.4 The tentative environmental monitoring schedule for the next month is shown in **Appendix B**.

## 11 CONCLUSIONS AND RECOMMENDATIONS

### Conclusions

11.1 This is the 16<sup>th</sup> Monthly EM&A Report which presents the EM&A works undertaken during the reporting month in accordance with the Updated EM&A Manual and the requirement under EP.

## Air Quality Monitoring

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

## Construction Noise Monitoring

11.3 No Action/Limit Level exceedance was recorded for all noise monitoring in the reporting month.

Ecology

11.4 No Action and Limit Level exceedance was triggered for all ecological monitoring in the reporting month.

Site Audit

11.5 4 ET joint weekly environmental site inspections were conducted in the reporting month.

#### Complaint, Notification of Summons and Successful Prosecution

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

## Recommendations

11.7 According to the environmental audit performed in the reporting month, the following recommendations were made:

Air Quality

- Regular water spraying on haul road and dry surfaces should be applied to minimize dust generation.
- Stockpiles should be covered by impervious materials.

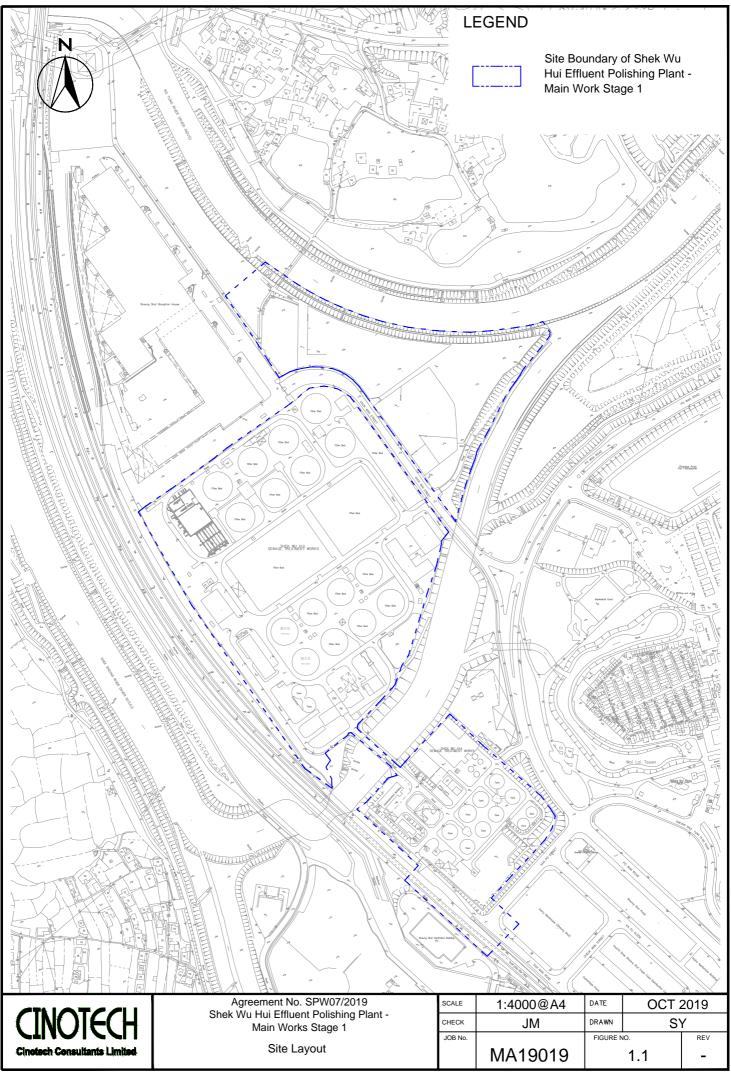
#### Water Quality

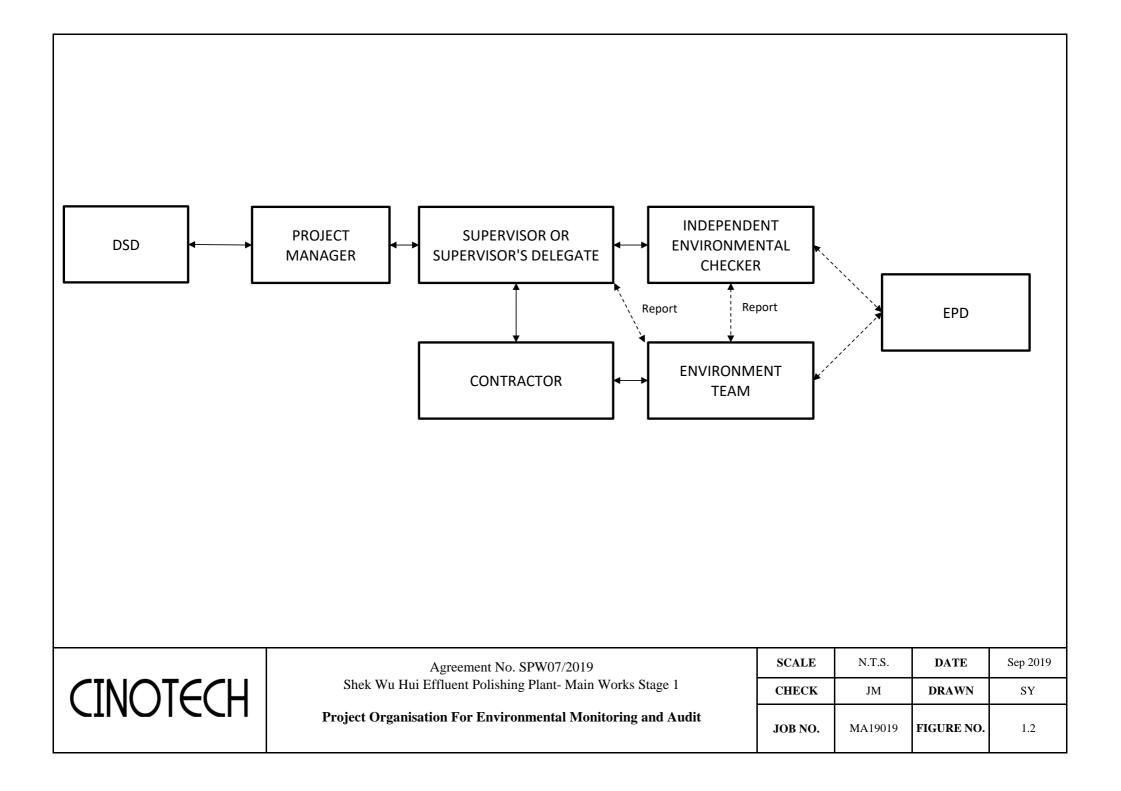
- Stagnant water should be removed and pumped through the sedimentation tank.
- Wastewater should be pumped and collected in the sedimentation tank before discharge.
- Muddy water should not be discharged into the surrounding rivers.
- No slurry should be disposed of at the existing Shek Wu Hui Sewage Treatment Works.

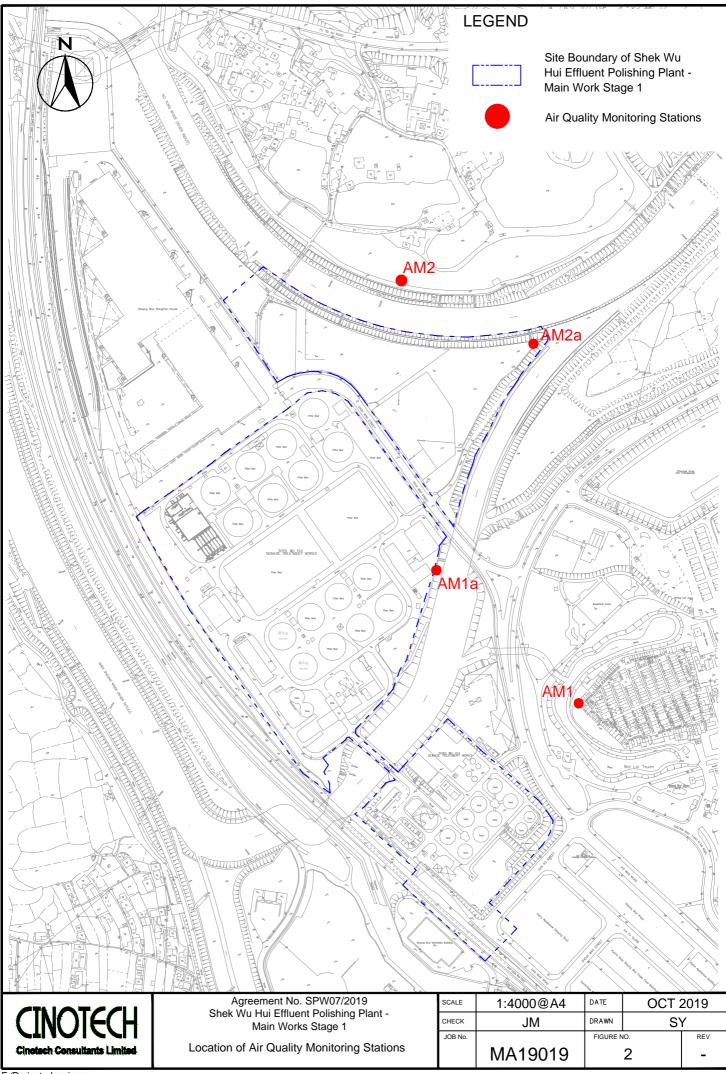
#### Waste Management

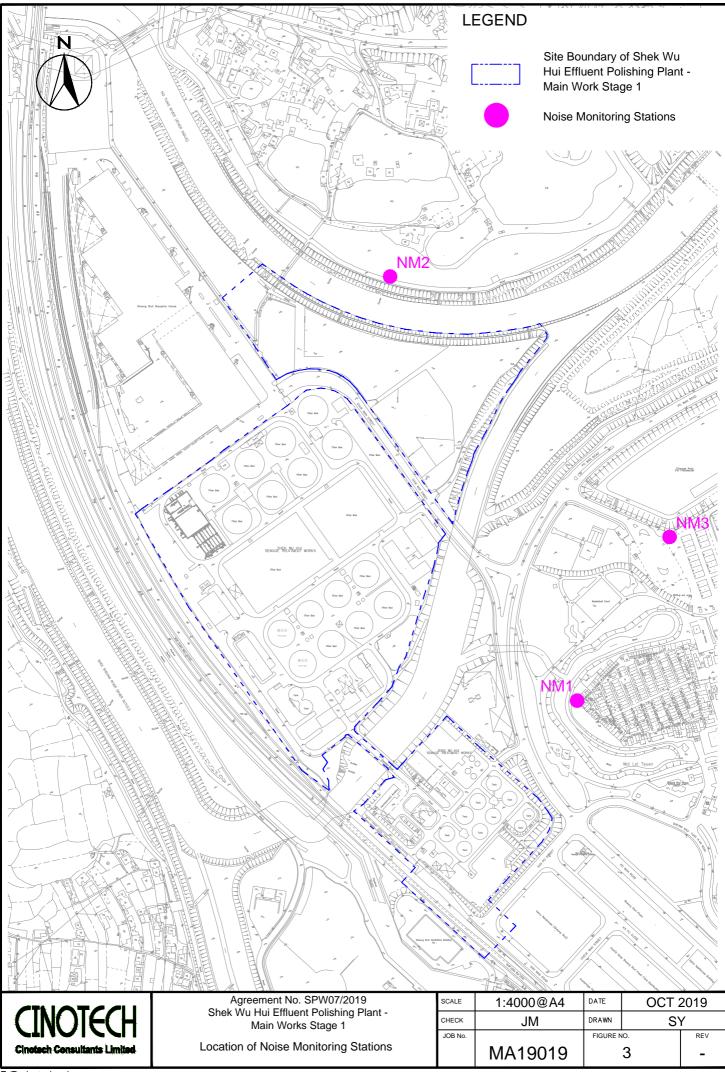
- General refuse and construction waste accumulation should be avoided.
- Chemicals should be stored in drip trays properly.

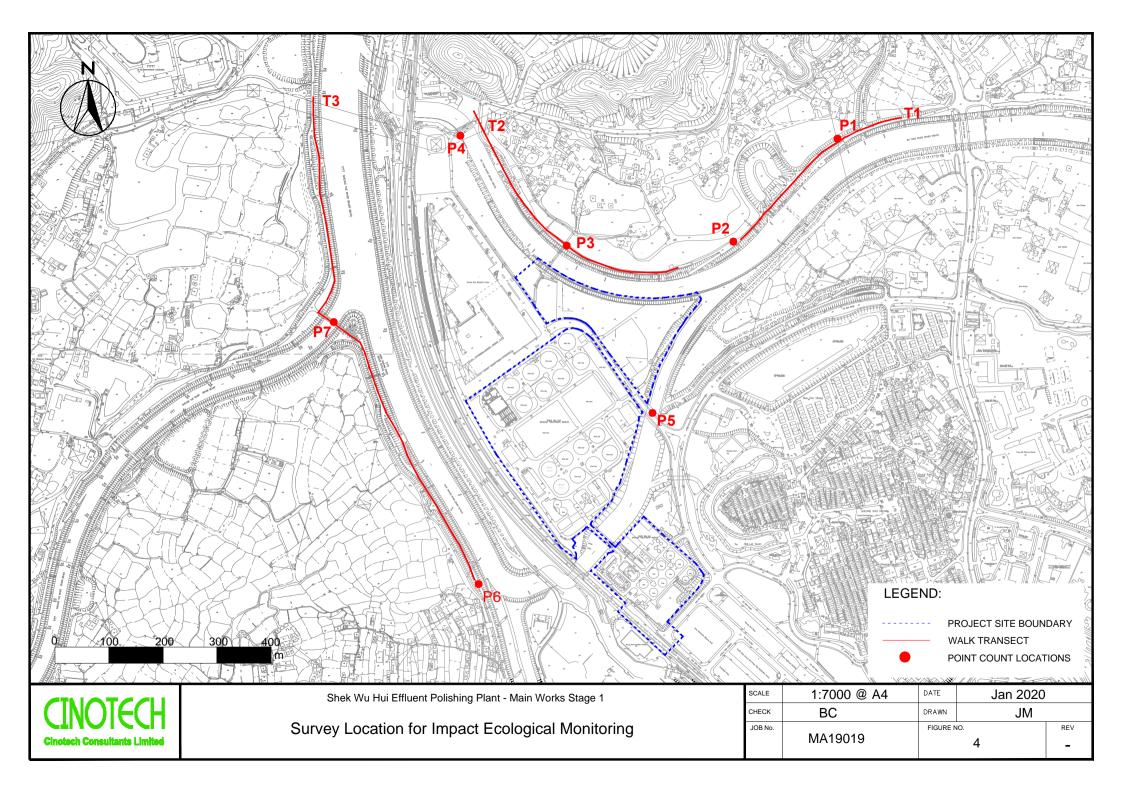
FIGURES











APPENDIX A ACTION AND LIMIT LEVELS

# **Appendix A - Action and Limit Levels**

Location	Action Level, μg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
AM1	320	500
AM2	322	300

#### Table A-1Action and Limit Levels for 1-hour TSP

#### Table A-2Action and Limit Levels for 24-hour TSP

Location	Action Level, µg/m <sup>3</sup>	Limit Level, µg/m <sup>3</sup>
AM1a	189	260
AM2a	187	200

Table A-3Action and	nd Limit Levels for [	Noise during	Construction Period
---------------------	-----------------------	--------------	---------------------

Time Period	Action Level	Limit Level
0700-1900 hrs on normal weekdays	When one documented complaint is received	$75 \text{ dB(A)}^*$

\*Remarks:

• If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) used by the Noise Control Authority have to be followed.

• Reduce to 70 dB(A) for schools and 65 dB(A) during school examination periods.

# Table A-4Action and Limit Levels of Disturbance to Waterbirds using Ng Tung,<br/>Sheung Yue and Shek Sheung Rivers during Construction Phase

Action Level	Limit Level
Decline in numbers of all waterbird species relative to numbers during Baseline Monitoring such that the Action Level response is triggered.	1
Decline in numbers of any one waterbird species occurring in significant numbers* during Baseline Monitoring such that the Action Level response is triggered.	•

Note: Whether numbers are significant depend on species and season after collection and evaluation of baseline survey data.

APPENDIX B ENVIRONMENTAL MONITORING SCHEDULES

#### Agreement No. SPW 07/2019 Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 Impact Air, Noise and Ecology Monitoring Schedule (April 2021)

Thurso	day Fri	day	Saturday
	1-Apr	2-Apr	3-Apr
1 hr TSI 24 hrs 7			
7-Apr	8-Apr	9-Apr	10-Ap
Ecolo	gy		
4-Apr	15-Apr	16-Apr	17-Ap
			24 hrs TSP
1-Apr	22-Apr	23-Apr	24-Ap
1 hr TSI	P x 3 Eco	ology	
8-Apr	29-Apr	30-Apr	

The schedule may be changed due to unforeseen circumstances (adverse weather, etc)

#### Air Quality Monitoring Station

*1-hr TSP* AM1 - Wai Loi Tsuen AM2 - Fu Tei Au

#### **Noise Monitoring Station**

NM1 - Wai Loi Tsuen NM2 - Fu Tei Au NM3 - Man kok Village

24-hr TSP AM1a - Site Boundary of the Shek Wu Hui STW (East) AM2a - Site Boundary of the Shek Wu Hui STW (North)

#### Agreement No. SPW 07/2019 Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 Tentative Impact Air, Noise and Ecology Monitoring Schedule (May 2021)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					- -	1-May
2-May	3-May	4-May	5-May	6-May	7-May	8-May
	24 hrs TSP	1 hr TSP x 3			<b>F</b> 1	24 hrs TSP
	24 nrs 15P	Noise			Ecology	24 nrs 15P
		TUISC				
9-May	10-May	11-May	12-May	13-May	14-May	15-May
	1 hr TSP x 3			24 hrs TSP	1 hr TSP x 3	
	Noise			24 113 151	1 11 151 × 5	
	Ecology					
16-May	17-May	18-May	19-May	20-May	21-May	22-May
10-1v1ay	17-May	10-1viay	19-1v1ay	20-1viay	21-Iviay	22-Way
	Ecology	24 hrs TSP		1 hr TSP x 3		
				Noise		
23-May	24-May	25-May	26-May	27-May	28-May	29-May
· ·			ý.		ý	
	24 hrs TSP	1 hr TSP x 3				24 hrs TSP
	Ecology	Noise				
30-May	31-May					
	11 500 0					
	1 hr TSP x 3					
	Noise					
Air Quality Monitoring	Station		Noise Moni	toring Station		

Air Quality Monitoring Station 1-hr TSP AM1 - Wai Loi Tsuen AM2 - Fu Tei Au Noise Monitoring Station

NM1 - Wai Loi Tsuen NM2 - Fu Tei Au NM3 - Man kok Village

APPENDIX C COPIES OF CALIBRATION CERTIFICATES FOR AIR QUALITY MONITORING

# CINOTECH CONSULTANTS LIMITED



## **Certificate of Calibration**

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description:	Digital Dust Indicator		Date	of Calibration	1-Apr-21
Manufacturer:	Sibata Scientific Technology LTD.		Validity of Calibration Record 1-J		1-Jun-21
Model No.:	LD-5R				
Serial No.:	8Y2374				
Equipment No.:	SA-01-04	Sensitivity	0.001 mg/m3	_	
High Volume Sa	ampler No.: <u>A-01-03</u>	Before Sensiti	vity Adjustment	652	
Tisch Calibratio	n Orifice No.: <u>3864</u>	After Sensitivi	ty Adjustment	652	
	Ca	libration of 1 h	r TSP		
Calibration	Laser Dust Monitor			HVS	
Point	Mass Concentration (µg/m3)		Mas	ss concentration ( $\mu$	$g/m^3$ )
	X-axis		Y-axis		
1	54.0		108.0		
2	49.0			103.0	
3	43.0			96.0	
Average	48.7		102.3		
By Linear Regi Slope , mw = Correlation co	ression of Y on X 		cept, bw =	49.1209	
	Se	t Correlation F	actor		
Particaulate Cor	ncentration by High Volume Sampler (	$(\mu g/m^3)$	102.3		
Particaulate Cor	ncentration by Dust Meter ( $\mu g/m^3$ )		48.7		
Measureing time	e, (min)			60.0	
Set Correlation	Factor, SCF				
SCF = [ K=Hig	h Volume Sampler / Dust Meter, (µ	g/m3) ]	2.1		

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

Those filter papers are weighted by HOKLAS laboratory (HPCT Litimed)

Calibrated by:	to/

Technical Officer (Wong Shing Kwai)

Approved by:	-lem	, Mor	<u> </u>
л · .			
Project	Manager (F	Henry Le	eung)

# CINOTECH CONSULTANTS LIMITED



## **Certificate of Calibration**

It is certified that the item under calibration has been calibrated by corresponding calibrated High Volume Sampler

Description:	Digital Dust Indicator		Date of Calibration		1-Apr-21	
Manufacturer:	Sibata Scientific Technology LTD.		Validity of Calibration Record 1-		1-Jun-21	
Model No.:	LD-5R					
Serial No.:	972778					
Equipment No.:	SA-01-07	Sensitivity	0.001 mg/m3			
High Volume Sa	mpler No.: <u>A-01-03</u>	Before Sensiti	vity Adjustment	735 CPM		
Tisch Calibration	n Orifice No.: <u>3864</u>	After Sensitivi	ty Adjustment	735 CPM		
	Ca	libration of 1 h	r TSP			
Calibration	Laser Dust Monitor	•		HVS		
Point	Mass Concentration (µg/m3) X-axis		Mass concentration (µg/m <sup>3</sup> ) <b>Y-axis</b>			
1	52.0			108.0		
2	48.0			103.0		
3	41.0			96.0		
Average	47.0			102.3		
•	By Linear Regression of Y on X					
-	1.0806	Intere	cept, bw =	51.5430		
Correlation co	Defficient* = 0.9982					
		t Correlation F	actor			
Particaulate Con	centration by High Volume Sampler (	(µg/m³)	102.3			
Particaulate Con	centration by Dust Meter ( $\mu g/m^3$ )		47.0			
Measureing time	e, (min)		60.0			

Set Correlation Factor, SCF

SCF = [ K=High Volume Sampler / Dust Meter, (µg/m3) ]

In-house method in according to the instruction manual:

The Dust Monitor was compared with a calibrated High Volume Sampler and The result was used to generate the Correlation Factor (CF) between the Dust Monitor and High Volume Sampler.

Those filter papers are weighted by HOKLAS laboratory (HPCT Litimed)

Calibrated by:	tol.	
	V *	

Technical Officer (Wong Shing Kwai)

Approved by:	-lem	, an	]
Projec	t Manager (Å	Ienry Le	eung)

2.2





Certificate of Calibration

			Calibration	Certificati	on Informat	tion		
Cal. Date:	January 11	, 2021	Roots	meter S/N:	438320	Ta:	<b>Ta:</b> 297	
Operator:	Jim Tisch					Pa:	750.1	mm Hg
Calibration	Model #:	TE-5025A	Calil	brator S/N:	3864			
	· · · · · · · · · · · · · · · · · · ·							1
		Vol. Init	Vol. Final	ΔVol.	ΔTime	ΔΡ	ΔΗ	
	Run	(m3)	(m3)	(m3)	(min)	(mm Hg)	(in H2O)	
	1	1	2	1	1.4470	3.2	2.00	
	2	3	4	1	1.0210	6.4	4.00	
	3	5	6	1	0.9140	8.0	5.00	
	4	, 7	8	1	0.8670	8.8	5.50	
	5	9	10	1	0.7140	12.9	8.00	
			[	Data Tabula	tion			]
			/ / Pa	V Tetd )				
	Vstd	Qstd	√ <sup>∆H</sup> (Pstd	)( <u>Tstd</u> )		Qa	√∆H( Ta/Pa )	
	(m3)	(x-axis)	y (y-ax		Va	(x-axis)	(y-axis)	
	0.9860	0.6814	1.40		0.9957	0.6881	0.8899	
	0.9818	0.9616	1.99	02	0.9915	0.9711	1.2585	1
	0.9797	1.0719	2.22	51	0.9893	1.0824	1.4071	1
	0.9786	1.1288	2.33	37	0.9883	1.1399	1.4757	1
	0.9732	1.3630	2.814	46	0.9828	1.3765	1.7798	
		m=	2.065	566		m=	1.29348	
		<b>STD</b> b= 0.		815	QA	b=	0.00199	
		r=	0.999	96		r=	0.99996	
				Calculatio				
	Vstd=	ΔVol((Pa-ΔP)	)/Pstd)(Tstd/Ta	a)	Va=	ΔVol((Pa-Δ	P)/Pa)	
	Qstd=	Vstd/∆Time			Qa= Va/ΔTime			
			For subsequ	ent flow ra	v rate calculations:			
	Qstd=	1/m (( \\ \[ \Delta H (	Pa <u>Tstd</u> Pstd Ta	-))-b)	Qa=	$1/m\left(\sqrt{\Delta H}\right)$	l(Ta/Pa))-b)	
	Standard	Conditions						
Tstd						RECA	LIBRATION	
Pstd	760	mm Hg						400
A 1 1 . 1+1		Key	1120)				nnual recalibratio	-
		ter reading (i					Regulations Part	
		eter reading perature (°K)					, Reference Meth	
		ressure (mm				1	ended Particulat	
b: intercept	the second s				tn tn	e Atmosphe	ere, 9.2.17, page	30
m: slope								

isch Environmental, Inc. 45 South Miami Avenue illage of Cleves, OH 45002 <u>www.tisch-env.com</u> TOLL FREE: (877)263-7610 FAX: (513)467-9009

# **High-Volume TSP Sampler** 5-POINT CALIBRATION DATA SHEET

293

Temperature, Ta (K)

File No. MA19019/17/0009

764.5

Project No.	Project No. AM1a - Site boundary of the Shek Wu Hui STW (East)						
Date:	6-Mar-21	Next Due Date:	6-May-21	Operator:	SK		
Equipment No.:	A-01-17	Model No.:	GS2310	Serial No.	3460		
Ambient Condition							

Pressure, Pa (mmHg)

Orifice Transfer Standard Information						
Serial No.	3864	Slope, mc	0.05846	Intercept, bc	-0.00313	
Last Calibration Date:	11-Jan-21	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$				
Next Calibration Date:	11-Jan-22		$Qstd = \{ [\Delta H x] \}$	(Pa/760) x (298/Ta)] <sup>1/2</sup> -bc} /	mc	

Calibration of TSP Sampler						
Calibration		Orfice			HVS	
Point	ΔH (orifice), in. of water	[ΔH x (Pa/760) x (298/Ta)] <sup>1/2</sup>	Qstd (CFM) X - axis	$\Delta W$ (HVS), in. of water		760) x (298/Ta)] <sup>1/2</sup> <b>Y-axis</b>
1	13.1	3.66	62.68	9.8		3.17
2	10.3	3.25	55.58	7.4		2.75
3	8.1	2.88	49.30	5.6		2.39
4	5.3	2.33	39.89	3.4		1.87
5	2.8	1.69	29.01	1.9		1.39
By Linear Regression of Y on X Slope , mw =0.0530 Intercept, bw =0.1932 Correlation coefficient =0.9980 *If Correlation Coefficient < 0.990, check and recalibrate.						
		Set Point C	alculation			
From the TSP Fi	eld Calibration Cu	urve, take Qstd = 43 CFM				
From the Regres	sion Equation, the	e "Y" value according to				
$mw \ x \ Qstd + bw = [\Delta W \ x \ (Pa/760) \ x \ (298/Ta)]^{1/2}$ Therefore, Set Point; W = (mw x Qstd + bw) <sup>2</sup> x (760 / Pa) x (Ta / 298) = 4.26						
Remarks:						
Conducted by:	SK Wong	Signature: 6			Date:	6 March 2021
Checked by:	Henry Leung	Signature:	Xozz		Date:	6 March 2021

# **High-Volume TSP Sampler** 5-POINT CALIBRATION DATA SHEET

File No. MA19019/24/0009

Project No. AM2a - Site Boundary of the Shek Wu Hui STW (North)						
Date:	6-N	far-21	Next Due Date:	6-May-21	Operator:	SK
Equipment No.:	A-	01-24	Model No.:	TE 5170	Serial No.	1659
Ambient Condition						
Temperatu	re, Ta (K)	293	Pressure, Pa (mml	Hg)	764.5	

Orifice Transfer Standard Information					
Serial No.	3864	Slope, mc	0.05846	Intercept, bc	-0.00313
Last Calibration Date:	11-Jan-21	mc x Qstd + bc = $[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$			
Next Calibration Date:	11-Jan-22		$Qstd = \{[\Delta H x ] \}$	(Pa/760) x (298/Ta)] <sup>1/2</sup> -bc} /	mc

		Calibration of	TSP Sampler		
Calibration		Orfice			HVS
Point	$\Delta H$ (orifice), in. of water	$[\Delta H x (Pa/760) x (298/Ta)]^{1/2}$	Qstd (CFM) X - axis	$\Delta W$ (HVS), in. of water	[ΔW x (Pa/760) x (298/Ta)] <sup>1/2</sup> <b>Y-axis</b>
1	13.2	3.67	62.91	10.3	3.25
2	10.8	3.32	56.91	8.3	2.91
3	8.3	2.91	49.90	5.9	2.46
4	6.1	2.50	42.79	4.0	2.02
5	3.0	1.75	30.02	1.8	1.36
	0.0581 coefficient* =	0.9990	Intercept, bw <sup>_</sup>	-0.418	4
		0, check and recalibrate.	-		
		Set Point C	alculation		
From the TSP F	ield Calibration C	urve, take Qstd = 43 CFM			
From the Regree	ssion Equation, the	e "Y" value according to			
		mw x Qstd + bw = $[\Delta W]$	v (Da/760) v ()	08/Ta)1 <sup>1/2</sup>	
		$\lim_{n \to \infty} x \operatorname{Qstu} + \lim_{n \to \infty} - [\Delta w]$	X (1 a/700) X (2)	70/1a)]	
Therefore, S	et Point; W = ( my	$(x = x + bw)^2 x (760 / Pa) x ($	Ta / 298 ) =	4.23	
Remarks:					
Remarks:					
Remarks:					
Remarks: Conducted by:	SK Wong	Signature: Signature:			Date: <u>6 March 2021</u>

F:\Cinotech Solutions\Equipment\Calibration Cert\HVS\new\MA19019\_20210306\_AM2a\_(A-01-24).xls



# **Certificate of Calibration - Wind Monitoring Station**

Description:	BM3 - Control Room at SWHSTW
Manufacturer:	Global Water Instrumentation
Model No.:	WE800 Weather Station
Serial No.:	<u>1517001963</u>
Equipment No.:	<u>SA-03-01</u>
Date of Calibration	<u>29-Oct-2020</u>
Next Due Date	<u>29-Apr-2021</u>

#### 1. Performance check of Wind Speed

Wind Sp	beed, m/s	Difference D (m/s)
Wind Speed Reading (V1)	Anemometer Value (V1)	D = V1 - V2
0.0	0.0	0.0
1.5	1.5	0.0
2.0	2.1	-0.1
3.5	3.5	0.0

#### 2. Performance check of Wind Direction

Wind Di	rection (°)	Difference D (°)
Wind Direction Reading (V1)	Marine Compass Value (V1)	$\mathbf{D} = \mathbf{W1} - \mathbf{W2}$
0	0	0.0
90	90	0.0
180	180	0.0
270	270	0.0

#### **Test Specification:**

1. Performance Wind Speed Test - The wind meter was on-site calibrated against the anemometer

2. Performance Wind Direction Test - The wind meter was on-site calibrated against the marine compass at four direction

Calibrated by: \_\_\_\_\_\_ Approved by: \_\_\_\_\_\_\_\_ Wong Shing Kwai Approved by: \_\_\_\_\_\_\_\_\_

APPENDIX D WEATHER INFORMATION

D (	Mean Air	Mean Relative	Precipitation
Date	Temperature (°C)	Humidity (%)	( <b>mm</b> )
1-Apr-21	26.7	79	Trace
2-Apr-21	26.9	79	0
3-Apr-21	26.9	74	0
4-Apr-21	24.7	86	0.8
5-Apr-21	22.4	84	0.7
6-Apr-21	23.9	77	0
7-Apr-21	23.1	76	0
8-Apr-21	23.2	74	0
9-Apr-21	21.0	82	7.5
10-Apr-21	22.4	65	0
11-Apr-21	23.1	73	0
12-Apr-21	24.6	80	0
13-Apr-21	25.9	77	0
14-Apr-21	24.6	84	Trace
15-Apr-21	22.2	91	8.3
16-Apr-21	22.8	88	1.5
17-Apr-21	22.8	88	2.5
18-Apr-21	23.2	67	Trace
19-Apr-21	22.5	67	0
20-Apr-21	23.4	73	0
21-Apr-21	24.5	74	0
22-Apr-21	25.2	74	0
23-Apr-21	27.3	75	0
24-Apr-21	25.4	82	Trace
25-Apr-21	24.7	85	0.9
26-Apr-21	23.4	80	0.3
27-Apr-21	23.2	90	5.7
28-Apr-21	24.4	88	4.2
29-Apr-21	24.1	74	0.1
30-Apr-21	25.6	77	0

# I. General Information from Hong Kong Observatory

\* The above information was extracted from the daily extract of Ta Kwu Ling Station in Hong Kong Observatory Climate Information Service.

Date	Time	Wind Direction	Wind Speed (m/s)
1-Apr-21	0:00	SW	0.1
1-Apr-21	1:00	ENE	0.1
1-Apr-21	2:00	SSW	0.1
1-Apr-21	3:00	S	0.1
1-Apr-21	4:00	SW	0.1
1-Apr-21	5:00	SSW	0.1
1-Apr-21	6:00	S	0.1
1-Apr-21	7:00	SW	0.1
1-Apr-21	8:00	W	0.5
1-Apr-21	9:00	SSW	2.3
1-Apr-21	10:00	SW	3.4
1-Apr-21	11:00	SW	0.2
1-Apr-21	12:00	SSE	0.5
1-Apr-21	13:00	SW	0.6
1-Apr-21	14:00	NW	0.7
1-Apr-21	15:00	SW	2.6
1-Apr-21	16:00	SSW	1.6
1-Apr-21	17:00	WSW	0.7
1-Apr-21	18:00	SSW	0.2
1-Apr-21	19:00	SSW	0.1
1-Apr-21	20:00	SSW	0.2
1-Apr-21	21:00	WSW	0.1
1-Apr-21	22:00	SW	0.1
1-Apr-21	23:00	Е	0.1
2-Apr-21	0:00	ENE	0.1
2-Apr-21	1:00	ENE	0.1
2-Apr-21	2:00	Е	0.1
2-Apr-21	3:00	Е	0.1
2-Apr-21	4:00	Е	0.1
2-Apr-21	5:00	NNW	0.1
2-Apr-21	6:00	E	0.1
2-Apr-21	7:00	ENE	0.1
2-Apr-21	8:00	SE	0.1
2-Apr-21	9:00	WSW	0.1
2-Apr-21	10:00	WSW	0.6

Date	Time	Wind Direction	Wind Speed (m/s)
2-Apr-21	11:00	ESE	0.8
2-Apr-21	12:00	W	1.5
2-Apr-21	13:00	W	0.6
2-Apr-21	14:00	WSW	2.7
2-Apr-21	15:00	W	1.1
2-Apr-21	16:00	WSW	0.3
2-Apr-21	17:00	SSW	0.6
2-Apr-21	18:00	WSW	0.4
2-Apr-21	19:00	SW	0.1
2-Apr-21	20:00	SSW	0.1
2-Apr-21	21:00	SW	0.1
2-Apr-21	22:00	SSW	0.1
2-Apr-21	23:00	Е	0.1
3-Apr-21	0:00	NNE	0.1
3-Apr-21	1:00	WNW	0.1
3-Apr-21	2:00	W	0.1
3-Apr-21	3:00	SW	0.1
3-Apr-21	4:00	WSW	0.1
3-Apr-21	5:00	NNE	0.1
3-Apr-21	6:00	W	0.1
3-Apr-21	7:00	NE	0.1
3-Apr-21	8:00	SW	0.1
3-Apr-21	9:00	SW	0.1
3-Apr-21	10:00	WSW	0.1
3-Apr-21	11:00	WNW	0.1
3-Apr-21	12:00	SSW	1.1
3-Apr-21	13:00	W	1.2
3-Apr-21	14:00	WNW	2.2
3-Apr-21	15:00	SW	2.2
3-Apr-21	16:00	W	3.6
3-Apr-21	17:00	WNW	0.2
3-Apr-21	18:00	WNW	0.1
3-Apr-21	19:00	W	0.1
3-Apr-21	20:00	W	0.1
3-Apr-21	21:00	SW	0.1

Date	Time	Wind Direction	Wind Speed (m/s)
3-Apr-21	22:00	SSW	0.1
3-Apr-21	23:00	SSW	0.1
4-Apr-21	0:00	SW	0.1
4-Apr-21	1:00	SW	0.1
4-Apr-21	2:00	SW	0.1
4-Apr-21	3:00	SW	0.1
4-Apr-21	4:00	SW	0.1
4-Apr-21	5:00	SW	0.1
4-Apr-21	6:00	WNW	0.1
4-Apr-21	7:00	NE	0.1
4-Apr-21	8:00	Е	0.2
4-Apr-21	9:00	NE	0.2
4-Apr-21	10:00	NNE	0.2
4-Apr-21	11:00	Е	0.1
4-Apr-21	12:00	NE	0.1
4-Apr-21	13:00	Е	0.1
4-Apr-21	14:00	ESE	0.1
4-Apr-21	15:00	ENE	0.1
4-Apr-21	16:00	Е	0.1
4-Apr-21	17:00	Е	0.1
4-Apr-21	18:00	ESE	0.1
4-Apr-21	19:00	Е	0.2
4-Apr-21	20:00	ESE	0.1
4-Apr-21	21:00	ENE	0.1
4-Apr-21	22:00	WNW	0.1
4-Apr-21	23:00	ENE	0.1
5-Apr-21	0:00	ESE	0.1
5-Apr-21	1:00	Е	0.1
5-Apr-21	2:00	ENE	0.1
5-Apr-21	3:00	NE	0.1
5-Apr-21	4:00	NE	0.1
5-Apr-21	5:00	Е	0.2
5-Apr-21	6:00	Е	0.1
5-Apr-21	7:00	Е	0.2
5-Apr-21	8:00	Е	0.2

Date	Time	Wind Direction	Wind Speed (m/s)
5-Apr-21	9:00	SE	0.2
5-Apr-21	10:00	ESE	0.2
5-Apr-21	11:00	Е	0.2
5-Apr-21	12:00	Е	0.2
5-Apr-21	13:00	SE	0.5
5-Apr-21	14:00	ENE	0.2
5-Apr-21	15:00	Е	0.1
5-Apr-21	16:00	Е	0.2
5-Apr-21	17:00	SE	0.1
5-Apr-21	18:00	ENE	0.1
5-Apr-21	19:00	ENE	0.1
5-Apr-21	20:00	Е	0.1
5-Apr-21	21:00	ESE	0.1
5-Apr-21	22:00	NE	0.1
5-Apr-21	23:00	Е	0.1
6-Apr-21	0:00	ENE	0.1
6-Apr-21	1:00	NE	0.1
6-Apr-21	2:00	SSE	0.1
6-Apr-21	3:00	ENE	0.1
6-Apr-21	4:00	Е	0.1
6-Apr-21	5:00	Е	0.1
6-Apr-21	6:00	ENE	0.1
6-Apr-21	7:00	ESE	0.1
6-Apr-21	8:00	ESE	0.1
6-Apr-21	9:00	ESE	0.1
6-Apr-21	10:00	SSE	0.1
6-Apr-21	11:00	ENE	0.1
6-Apr-21	12:00	ENE	0.1
6-Apr-21	13:00	SE	0.1
6-Apr-21	14:00	SSW	0.1
6-Apr-21	15:00	NNE	0.1
6-Apr-21	16:00	NE	0.1
6-Apr-21	17:00	SE	0.1
6-Apr-21	18:00	Е	0.1
6-Apr-21	19:00	Е	0.1

Date	Time	Wind Direction	Wind Speed (m/s)
6-Apr-21	20:00	SE	0.1
6-Apr-21	21:00	ESE	0.1
6-Apr-21	22:00	Е	0.2
6-Apr-21	23:00	Е	0.4
7-Apr-21	0:00	ESE	0.2
7-Apr-21	1:00	ENE	0.1
7-Apr-21	2:00	S	0.1
7-Apr-21	3:00	SE	0.1
7-Apr-21	4:00	NE	0.1
7-Apr-21	5:00	ENE	0.9
7-Apr-21	6:00	SE	0.1
7-Apr-21	7:00	Е	0.6
7-Apr-21	8:00	Е	0.8
7-Apr-21	9:00	ESE	0.1
7-Apr-21	10:00	S	0.1
7-Apr-21	11:00	SSE	0.1
7-Apr-21	12:00	ESE	0.7
7-Apr-21	13:00	S	0.1
7-Apr-21	14:00	Е	0.4
7-Apr-21	15:00	ESE	1.0
7-Apr-21	16:00	Е	0.1
7-Apr-21	17:00	Е	0.1
7-Apr-21	18:00	ESE	0.8
7-Apr-21	19:00	ENE	0.1
7-Apr-21	20:00	Е	0.2
7-Apr-21	21:00	S	0.1
7-Apr-21	22:00	SE	0.1
7-Apr-21	23:00	Е	0.1
8-Apr-21	0:00	Е	0.1
8-Apr-21	1:00	ESE	0.2
8-Apr-21	2:00	Е	0.1
8-Apr-21	3:00	ESE	0.1
8-Apr-21	4:00	NE	0.1
8-Apr-21	5:00	ESE	0.1
8-Apr-21	6:00	ENE	0.1

Date	Time	Wind Direction	Wind Speed (m/s)
8-Apr-21	7:00	ENE	0.1
8-Apr-21	8:00	ENE	0.1
8-Apr-21	9:00	SE	0.1
8-Apr-21	10:00	Е	0.1
8-Apr-21	11:00	Е	0.1
8-Apr-21	12:00	SSE	0.1
8-Apr-21	13:00	Е	0.4
8-Apr-21	14:00	ENE	0.1
8-Apr-21	15:00	Е	0.1
8-Apr-21	16:00	ESE	0.2
8-Apr-21	17:00	Е	0.1
8-Apr-21	18:00	NE	0.4
8-Apr-21	19:00	ESE	0.1
8-Apr-21	20:00	NE	0.3
8-Apr-21	21:00	NE	0.2
8-Apr-21	22:00	NE	0.2
8-Apr-21	23:00	ENE	0.2
9-Apr-21	0:00	W	0.1
9-Apr-21	1:00	ENE	0.1
9-Apr-21	2:00	ENE	0.4
9-Apr-21	3:00	NE	0.1
9-Apr-21	4:00	ENE	0.2
9-Apr-21	5:00	ENE	0.2
9-Apr-21	6:00	ENE	0.2
9-Apr-21	7:00	N	0.2
9-Apr-21	8:00	ENE	0.2
9-Apr-21	9:00	ENE	0.3
9-Apr-21	10:00	Е	0.4
9-Apr-21	11:00	Е	1.0
9-Apr-21	12:00	Е	0.4
9-Apr-21	13:00	NE	0.4
9-Apr-21	14:00	Е	0.3
9-Apr-21	15:00	Е	0.3
9-Apr-21	16:00	ESE	0.3
9-Apr-21	17:00	ESE	0.2

Date	Time	Wind Direction	Wind Speed (m/s)
9-Apr-21	18:00	ENE	0.2
9-Apr-21	19:00	ENE	0.1
9-Apr-21	20:00	Е	0.1
9-Apr-21	21:00	ESE	0.1
9-Apr-21	22:00	Е	0.1
9-Apr-21	23:00	Е	0.1
10-Apr-21	0:00	ENE	0.1
10-Apr-21	1:00	Е	0.1
10-Apr-21	2:00	ENE	0.1
10-Apr-21	3:00	ESE	0.1
10-Apr-21	4:00	SE	0.1
10-Apr-21	5:00	SE	0.2
10-Apr-21	6:00	Е	0.1
10-Apr-21	7:00	ESE	0.3
10-Apr-21	8:00	NE	0.1
10-Apr-21	9:00	SE	0.1
10-Apr-21	10:00	SSE	0.4
10-Apr-21	11:00	SSE	0.1
10-Apr-21	12:00	S	0.2
10-Apr-21	13:00	SSE	0.1
10-Apr-21	14:00	SSE	0.6
10-Apr-21	15:00	SSE	0.9
10-Apr-21	16:00	SE	0.3
10-Apr-21	17:00	ENE	0.1
10-Apr-21	18:00	S	0.5
10-Apr-21	19:00	ESE	0.1
10-Apr-21	20:00	Е	0.1
10-Apr-21	21:00	SE	0.8
10-Apr-21	22:00	ESE	0.1
10-Apr-21	23:00	SE	0.2
11-Apr-21	0:00	ENE	0.1
11-Apr-21	1:00	SSE	0.1
11-Apr-21	2:00	ENE	0.1
11-Apr-21	3:00	Е	0.1
11-Apr-21	4:00	ENE	0.2

Date	Time	Wind Direction	Wind Speed (m/s)
11-Apr-21	5:00	ESE	0.1
11-Apr-21	6:00	WSW	0.1
11-Apr-21	7:00	NE	0.1
11-Apr-21	8:00	ESE	0.1
11-Apr-21	9:00	Е	0.1
11-Apr-21	10:00	Е	2.9
11-Apr-21	11:00	ESE	0.1
11-Apr-21	12:00	Е	0.1
11-Apr-21	13:00	ESE	0.2
11-Apr-21	14:00	ENE	0.1
11-Apr-21	15:00	ENE	0.1
11-Apr-21	16:00	Е	0.1
11-Apr-21	17:00	ENE	0.2
11-Apr-21	18:00	NE	0.1
11-Apr-21	19:00	ENE	0.1
11-Apr-21	20:00	E	0.1
11-Apr-21	21:00	ESE	0.1
11-Apr-21	22:00	Е	0.1
11-Apr-21	23:00	ENE	0.1
12-Apr-21	0:00	NE	0.1
12-Apr-21	1:00	Е	0.1
12-Apr-21	2:00	NNE	0.1
12-Apr-21	3:00	ENE	0.1
12-Apr-21	4:00	ESE	0.1
12-Apr-21	5:00	NNE	0.1
12-Apr-21	6:00	NNW	0.1
12-Apr-21	7:00	Е	0.1
12-Apr-21	8:00	ENE	0.4
12-Apr-21	9:00	SE	0.1
12-Apr-21	10:00	SE	0.1
12-Apr-21	11:00	ESE	0.2
12-Apr-21	12:00	SE	0.5
12-Apr-21	13:00	Е	0.1
12-Apr-21	14:00	SSE	0.2
12-Apr-21	15:00	SSW	0.1

Date	Time	Wind Direction	Wind Speed (m/s)
12-Apr-21	16:00	SSE	0.1
12-Apr-21	17:00	ENE	0.2
12-Apr-21	18:00	SE	0.1
12-Apr-21	19:00	Е	0.1
12-Apr-21	20:00	Е	0.1
12-Apr-21	21:00	Е	0.1
12-Apr-21	22:00	SE	0.1
12-Apr-21	23:00	Е	0.1
13-Apr-21	0:00	NNE	0.1
13-Apr-21	1:00	SW	0.1
13-Apr-21	2:00	W	0.1
13-Apr-21	3:00	W	0.1
13-Apr-21	4:00	ENE	0.1
13-Apr-21	5:00	W	0.1
13-Apr-21	6:00	S	0.1
13-Apr-21	7:00	SW	0.1
13-Apr-21	8:00	ESE	0.1
13-Apr-21	9:00	WSW	0.1
13-Apr-21	10:00	SSE	0.1
13-Apr-21	11:00	WSW	0.9
13-Apr-21	12:00	WNW	0.2
13-Apr-21	13:00	W	0.2
13-Apr-21	14:00	NW	0.2
13-Apr-21	15:00	W	3.7
13-Apr-21	16:00	WNW	0.4
13-Apr-21	17:00	WSW	0.4
13-Apr-21	18:00	SW	0.1
13-Apr-21	19:00	WSW	0.1
13-Apr-21	20:00	ENE	0.1
13-Apr-21	21:00	ESE	0.1
13-Apr-21	22:00	WNW	0.1
13-Apr-21	23:00	WSW	0.1
14-Apr-21	0:00	SW	0.1
14-Apr-21	1:00	#N/A	0.1
14-Apr-21	2:00	Е	0.1

Date	Time	Wind Direction	Wind Speed (m/s)
14-Apr-21	3:00	SW	0.1
14-Apr-21	4:00	ENE	0.1
14-Apr-21	5:00	ENE	0.1
14-Apr-21	6:00	Е	0.1
14-Apr-21	7:00	Е	0.1
14-Apr-21	8:00	ENE	0.2
14-Apr-21	9:00	SE	0.1
14-Apr-21	10:00	SW	0.1
14-Apr-21	11:00	Е	0.5
14-Apr-21	12:00	ESE	0.1
14-Apr-21	13:00	ESE	0.5
14-Apr-21	14:00	S	0.1
14-Apr-21	15:00	NW	0.1
14-Apr-21	16:00	#N/A	0.2
14-Apr-21	17:00	Е	0.1
14-Apr-21	18:00	Е	0.1
14-Apr-21	19:00	Е	0.2
14-Apr-21	20:00	Е	0.1
14-Apr-21	21:00	N	0.1
14-Apr-21	22:00	E	0.1
14-Apr-21	23:00	ENE	0.2
15-Apr-21	0:00	ESE	1.0
15-Apr-21	1:00	SSE	0.1
15-Apr-21	2:00	ENE	0.1
15-Apr-21	3:00	ESE	0.1
15-Apr-21	4:00	ESE	0.6
15-Apr-21	5:00	NE	0.1
15-Apr-21	6:00	ENE	0.1
15-Apr-21	7:00	ENE	0.2
15-Apr-21	8:00	Е	0.1
15-Apr-21	9:00	Е	0.1
15-Apr-21	10:00	Е	0.2
15-Apr-21	11:00	ENE	0.2
15-Apr-21	12:00	ESE	0.7
15-Apr-21	13:00	SSE	0.1

Date	Time	Wind Direction	Wind Speed (m/s)
15-Apr-21	14:00	ESE	0.1
15-Apr-21	15:00	Е	0.4
15-Apr-21	16:00	Е	0.1
15-Apr-21	17:00	Е	0.1
15-Apr-21	18:00	Е	0.1
15-Apr-21	19:00	SE	0.1
15-Apr-21	20:00	Е	0.1
15-Apr-21	21:00	SE	0.1
15-Apr-21	22:00	ESE	0.1
15-Apr-21	23:00	ESE	0.1
16-Apr-21	0:00	Е	0.1
16-Apr-21	1:00	Е	0.1
16-Apr-21	2:00	ENE	0.1
16-Apr-21	3:00	ENE	0.3
16-Apr-21	4:00	Е	0.1
16-Apr-21	5:00	Е	0.1
16-Apr-21	6:00	ENE	0.1
16-Apr-21	7:00	Е	0.1
16-Apr-21	8:00	Е	0.1
16-Apr-21	9:00	ESE	0.1
16-Apr-21	10:00	ESE	0.1
16-Apr-21	11:00	ESE	0.1
16-Apr-21	12:00	Е	0.1
16-Apr-21	13:00	SE	0.4
16-Apr-21	14:00	SSE	0.2
16-Apr-21	15:00	ENE	0.1
16-Apr-21	16:00	Е	0.1
16-Apr-21	17:00	SSW	0.3
16-Apr-21	18:00	Е	0.1
16-Apr-21	19:00	Е	0.1
16-Apr-21	20:00	SE	0.1
16-Apr-21	21:00	ENE	0.1
16-Apr-21	22:00	ENE	0.1
16-Apr-21	23:00	ENE	0.1
17-Apr-21	0:00	SE	0.1

Date	Time	Wind Direction	Wind Speed (m/s)
17-Apr-21	1:00	Е	0.1
17-Apr-21	2:00	ESE	0.1
17-Apr-21	3:00	Е	0.1
17-Apr-21	4:00	NE	0.1
17-Apr-21	5:00	Е	0.1
17-Apr-21	6:00	Е	0.1
17-Apr-21	7:00	SSE	0.1
17-Apr-21	8:00	Е	0.1
17-Apr-21	9:00	ENE	0.1
17-Apr-21	10:00	ESE	0.1
17-Apr-21	11:00	SE	0.1
17-Apr-21	12:00	SSE	0.1
17-Apr-21	13:00	S	0.1
17-Apr-21	14:00	Е	0.1
17-Apr-21	15:00	SE	0.1
17-Apr-21	16:00	ENE	0.1
17-Apr-21	17:00	ENE	0.1
17-Apr-21	18:00	Е	0.1
17-Apr-21	19:00	ENE	0.1
17-Apr-21	20:00	Е	0.1
17-Apr-21	21:00	SSE	0.1
17-Apr-21	22:00	ENE	0.1
17-Apr-21	23:00	Е	0.1
18-Apr-21	0:00	ESE	0.1
18-Apr-21	1:00	Е	0.1
18-Apr-21	2:00	Е	0.1
18-Apr-21	3:00	WSW	0.1
18-Apr-21	4:00	ESE	0.1
18-Apr-21	5:00	Е	0.1
18-Apr-21	6:00	Е	0.1
18-Apr-21	7:00	NE	0.1
18-Apr-21	8:00	ENE	0.2
18-Apr-21	9:00	SSE	0.5
18-Apr-21	10:00	SSE	0.6
18-Apr-21	11:00	ESE	0.4

Date	Time	Wind Direction	Wind Speed (m/s)
18-Apr-21	12:00	SSE	0.5
18-Apr-21	13:00	Е	0.1
18-Apr-21	14:00	NNW	0.1
18-Apr-21	15:00	NNE	0.4
18-Apr-21	16:00	NNE	0.1
18-Apr-21	17:00	ESE	0.1
18-Apr-21	18:00	ESE	0.1
18-Apr-21	19:00	ENE	0.1
18-Apr-21	20:00	SE	0.1
18-Apr-21	21:00	Е	0.1
18-Apr-21	22:00	Е	0.5
18-Apr-21	23:00	Е	0.4
19-Apr-21	0:00	SE	0.1
19-Apr-21	1:00	SE	0.3
19-Apr-21	2:00	NE	0.1
19-Apr-21	3:00	ENE	0.5
19-Apr-21	4:00	ESE	0.1
19-Apr-21	5:00	ESE	1.2
19-Apr-21	6:00	ESE	0.3
19-Apr-21	7:00	Е	0.1
19-Apr-21	8:00	SE	0.1
19-Apr-21	9:00	ESE	0.9
19-Apr-21	10:00	NE	0.6
19-Apr-21	11:00	Е	0.1
19-Apr-21	12:00	SSE	0.1
19-Apr-21	13:00	Е	0.1
19-Apr-21	14:00	ENE	0.4
19-Apr-21	15:00	Е	0.1
19-Apr-21	16:00	Е	0.1
19-Apr-21	17:00	SE	0.1
19-Apr-21	18:00	NW	0.1
19-Apr-21	19:00	ESE	0.1
19-Apr-21	20:00	Е	0.7
19-Apr-21	21:00	ENE	0.1
19-Apr-21	22:00	ESE	0.9

Date	Time	Wind Direction	Wind Speed (m/s)
19-Apr-21	23:00	ESE	0.1
20-Apr-21	0:00	SSW	0.1
20-Apr-21	1:00	Е	0.1
20-Apr-21	2:00	ENE	0.1
20-Apr-21	3:00	ENE	1.1
20-Apr-21	4:00	Е	0.1
20-Apr-21	5:00	Е	0.1
20-Apr-21	6:00	Е	0.1
20-Apr-21	7:00	SE	0.2
20-Apr-21	8:00	Е	0.1
20-Apr-21	9:00	ESE	0.1
20-Apr-21	10:00	Е	3.1
20-Apr-21	11:00	ESE	0.4
20-Apr-21	12:00	ESE	0.2
20-Apr-21	13:00	ENE	0.2
20-Apr-21	14:00	Е	0.5
20-Apr-21	15:00	ESE	0.1
20-Apr-21	16:00	SE	0.1
20-Apr-21	17:00	SSE	0.1
20-Apr-21	18:00	S	0.1
20-Apr-21	19:00	ESE	0.1
20-Apr-21	20:00	ENE	0.1
20-Apr-21	21:00	NNW	0.1
20-Apr-21	22:00	Е	0.5
20-Apr-21	23:00	Е	0.1
21-Apr-21	0:00	NE	0.1
21-Apr-21	1:00	ENE	0.3
21-Apr-21	2:00	ESE	0.1
21-Apr-21	3:00	ENE	0.1
21-Apr-21	4:00	ESE	0.1
21-Apr-21	5:00	ESE	0.1
21-Apr-21	6:00	ENE	0.1
21-Apr-21	7:00	Е	0.1
21-Apr-21	8:00	S	0.1
21-Apr-21	9:00	Е	0.4

Date	Time	Wind Direction	Wind Speed (m/s)
21-Apr-21	10:00	SSE	0.3
21-Apr-21	11:00	S	0.9
21-Apr-21	12:00	SE	0.4
21-Apr-21	13:00	S	0.2
21-Apr-21	14:00	S	0.1
21-Apr-21	15:00	SSE	0.1
21-Apr-21	16:00	SE	0.2
21-Apr-21	17:00	S	0.9
21-Apr-21	18:00	Е	0.5
21-Apr-21	19:00	ESE	0.1
21-Apr-21	20:00	Е	0.1
21-Apr-21	21:00	Е	0.1
21-Apr-21	22:00	Е	0.1
21-Apr-21	23:00	Е	0.1
22-Apr-21	0:00	ESE	0.1
22-Apr-21	1:00	ESE	0.1
22-Apr-21	2:00	Е	0.1
22-Apr-21	3:00	ENE	0.1
22-Apr-21	4:00	Е	0.1
22-Apr-21	5:00	Е	0.1
22-Apr-21	6:00	Е	0.2
22-Apr-21	7:00	SE	0.6
22-Apr-21	8:00	Е	0.1
22-Apr-21	9:00	S	0.1
22-Apr-21	10:00	ESE	0.1
22-Apr-21	11:00	SSW	0.1
22-Apr-21	12:00	W	0.7
22-Apr-21	13:00	SW	1.9
22-Apr-21	14:00	WNW	3.1
22-Apr-21	15:00	W	2.7
22-Apr-21	16:00	SSW	0.3
22-Apr-21	17:00	WNW	1.5
22-Apr-21	18:00	W	0.4
22-Apr-21	19:00	WSW	0.2
22-Apr-21	20:00	SW	0.1

Date	Time	Wind Direction	Wind Speed (m/s)
22-Apr-21	21:00	W	0.1
22-Apr-21	22:00	SSW	0.1
22-Apr-21	23:00	W	0.1
23-Apr-21	0:00	WSW	0.1
23-Apr-21	1:00	SW	0.1
23-Apr-21	2:00	SW	0.1
23-Apr-21	3:00	SW	0.1
23-Apr-21	4:00	WSW	0.1
23-Apr-21	5:00	WSW	0.1
23-Apr-21	6:00	WSW	0.1
23-Apr-21	7:00	WSW	0.1
23-Apr-21	8:00	WNW	0.1
23-Apr-21	9:00	SW	0.2
23-Apr-21	10:00	SW	0.1
23-Apr-21	11:00	N	0.2
23-Apr-21	12:00	W	2.7
23-Apr-21	13:00	SW	1.5
23-Apr-21	14:00	SW	0.3
23-Apr-21	15:00	WSW	0.1
23-Apr-21	16:00	NW	0.1
23-Apr-21	17:00	WNW	0.1
23-Apr-21	18:00	ESE	0.1
23-Apr-21	19:00	Е	0.1
23-Apr-21	20:00	Е	0.1
23-Apr-21	21:00	E	0.1
23-Apr-21	22:00	ENE	0.1
23-Apr-21	23:00	SSE	0.1
24-Apr-21	0:00	Е	0.6
24-Apr-21	1:00	SE	0.1
24-Apr-21	2:00	SSE	0.1
24-Apr-21	3:00	Е	0.1
24-Apr-21	4:00	ENE	0.1
24-Apr-21	5:00	Е	0.1
24-Apr-21	6:00	ENE	0.1
24-Apr-21	7:00	Е	0.2

Date	Time	Wind Direction	Wind Speed (m/s)
24-Apr-21	8:00	ENE	0.1
24-Apr-21	9:00	NE	0.2
24-Apr-21	10:00	SE	2.2
24-Apr-21	11:00	SE	0.2
24-Apr-21	12:00	SE	0.5
24-Apr-21	13:00	ESE	0.1
24-Apr-21	14:00	ENE	0.2
24-Apr-21	15:00	#N/A	0.1
24-Apr-21	16:00	Е	0.7
24-Apr-21	17:00	ESE	0.7
24-Apr-21	18:00	SSE	0.1
24-Apr-21	19:00	Е	0.6
24-Apr-21	20:00	ENE	0.1
24-Apr-21	21:00	ENE	0.1
24-Apr-21	22:00	Е	0.1
24-Apr-21	23:00	Е	0.1
25-Apr-21	0:00	ENE	0.1
25-Apr-21	1:00	Е	0.1
25-Apr-21	2:00	Е	0.1
25-Apr-21	3:00	Е	0.1
25-Apr-21	4:00	NE	0.1
25-Apr-21	5:00	ENE	0.1
25-Apr-21	6:00	Е	0.1
25-Apr-21	7:00	ENE	0.1
25-Apr-21	8:00	ESE	0.1
25-Apr-21	9:00	Е	0.2
25-Apr-21	10:00	S	0.3
25-Apr-21	11:00	ESE	0.1
25-Apr-21	12:00	ENE	0.1
25-Apr-21	13:00	SE	0.1
25-Apr-21	14:00	S	0.1
25-Apr-21	15:00	ESE	0.1
25-Apr-21	16:00	SW	0.1
25-Apr-21	17:00	ESE	0.9
25-Apr-21	18:00	ESE	1.2

Date	Time	Wind Direction	Wind Speed (m/s)
25-Apr-21	19:00	Е	0.3
25-Apr-21	20:00	ESE	0.1
25-Apr-21	21:00	NNE	0.1
25-Apr-21	22:00	SE	0.1
25-Apr-21	23:00	NE	0.1
26-Apr-21	0:00	ESE	0.1
26-Apr-21	1:00	Е	0.1
26-Apr-21	2:00	ENE	0.2
26-Apr-21	3:00	ENE	0.2
26-Apr-21	4:00	NE	0.2
26-Apr-21	5:00	ESE	0.9
26-Apr-21	6:00	ENE	0.1
26-Apr-21	7:00	Е	0.1
26-Apr-21	8:00	ENE	1.0
26-Apr-21	9:00	NE	0.1
26-Apr-21	10:00	N	0.1
26-Apr-21	11:00	SE	0.2
26-Apr-21	12:00	S	0.1
26-Apr-21	13:00	SE	0.4
26-Apr-21	14:00	ESE	2.2
26-Apr-21	15:00	S	0.1
26-Apr-21	16:00	ESE	0.2
26-Apr-21	17:00	ENE	0.1
26-Apr-21	18:00	ENE	0.1
26-Apr-21	19:00	WNW	0.1
26-Apr-21	20:00	ESE	0.1
26-Apr-21	21:00	ESE	0.1
26-Apr-21	22:00	SE	0.1
26-Apr-21	23:00	ESE	0.1
27-Apr-21	0:00	ESE	0.1
27-Apr-21	1:00	Е	0.2
27-Apr-21	2:00	E	0.1
27-Apr-21	3:00	E	0.2
27-Apr-21	4:00	E	0.2
27-Apr-21	5:00	Е	0.2

Date	Time	Wind Direction	Wind Speed (m/s)
27-Apr-21	6:00	Е	0.3
27-Apr-21	7:00	ENE	0.3
27-Apr-21	8:00	ENE	0.5
27-Apr-21	9:00	NE	0.5
27-Apr-21	10:00	Е	0.4
27-Apr-21	11:00	ENE	0.4
27-Apr-21	12:00	ENE	0.6
27-Apr-21	13:00	ESE	0.5
27-Apr-21	14:00	ESE	0.6
27-Apr-21	15:00	ESE	0.5
27-Apr-21	16:00	NE	0.4
27-Apr-21	17:00	ESE	0.4
27-Apr-21	18:00	Е	0.3
27-Apr-21	19:00	Е	0.2
27-Apr-21	20:00	NE	0.2
27-Apr-21	21:00	SE	0.2
27-Apr-21	22:00	SSE	0.2
27-Apr-21	23:00	ENE	0.2
28-Apr-21	0:00	Е	0.1
28-Apr-21	1:00	ENE	0.2
28-Apr-21	2:00	ENE	0.1
28-Apr-21	3:00	ESE	0.1
28-Apr-21	4:00	NNE	0.1
28-Apr-21	5:00	Е	0.1
28-Apr-21	6:00	Е	0.1
28-Apr-21	7:00	E	0.1
28-Apr-21	8:00	ESE	0.1
28-Apr-21	9:00	SSE	0.1
28-Apr-21	10:00	Е	0.3
28-Apr-21	11:00	SSW	0.1
28-Apr-21	12:00	SE	0.6
28-Apr-21	13:00	S	0.1
28-Apr-21	14:00	SSE	0.1
28-Apr-21	15:00	SE	0.1
28-Apr-21	16:00	Е	0.1

Date	Time	Wind Direction	Wind Speed (m/s)
28-Apr-21	17:00	WSW	0.2
28-Apr-21	18:00	#N/A	0.3
28-Apr-21	19:00	SW	0.4
28-Apr-21	20:00	SW	0.4
28-Apr-21	21:00	NW	0.5
28-Apr-21	22:00	N	0.4
28-Apr-21	23:00	NNE	0.4
29-Apr-21	0:00	NNE	0.7
29-Apr-21	1:00	ESE	0.5
29-Apr-21	2:00	ENE	0.5
29-Apr-21	3:00	NE	0.4
29-Apr-21	4:00	#N/A	0.4
29-Apr-21	5:00	NE	0.3
29-Apr-21	6:00	NE	0.4
29-Apr-21	7:00	NE	0.3
29-Apr-21	8:00	NNE	0.4
29-Apr-21	9:00	NE	0.3
29-Apr-21	10:00	ENE	0.3
29-Apr-21	11:00	NNE	0.3
29-Apr-21	12:00	NE	0.9
29-Apr-21	13:00	#N/A	0.3
29-Apr-21	14:00	NNW	0.3
29-Apr-21	15:00	WNW	0.5
29-Apr-21	16:00	W	0.9
29-Apr-21	17:00	SSW	0.7
29-Apr-21	18:00	SW	0.1
29-Apr-21	19:00	WSW	0.1
29-Apr-21	20:00	ENE	0.1
29-Apr-21	21:00	ESE	0.2
29-Apr-21	22:00	SE	0.1
29-Apr-21	23:00	ENE	0.1
30-Apr-21	0:00	Е	0.1
30-Apr-21	1:00	ESE	0.1
30-Apr-21	2:00	ENE	0.1
30-Apr-21	3:00	Е	0.1

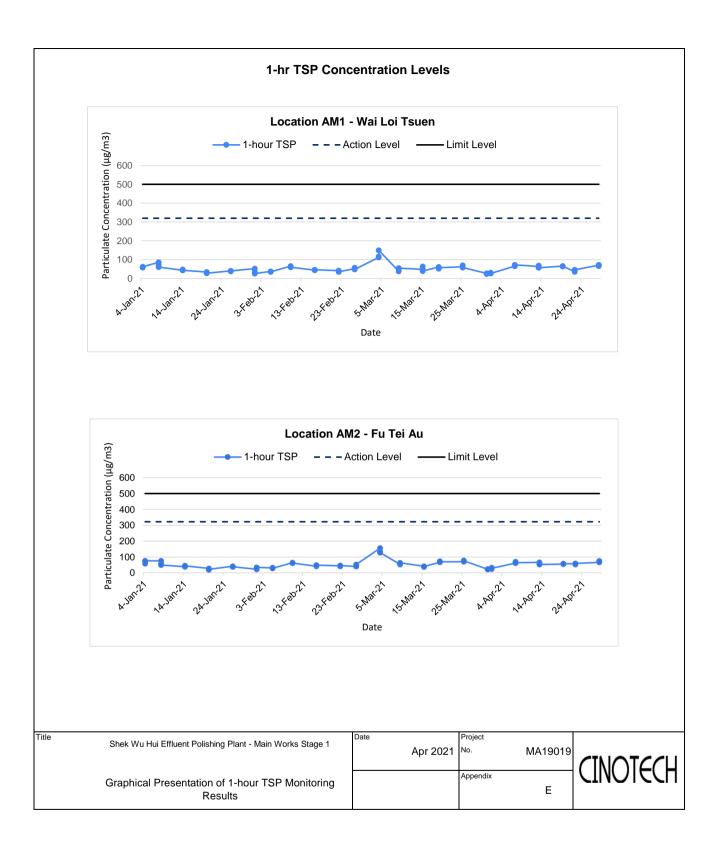
Date	Time	Wind Direction	Wind Speed (m/s)
30-Apr-21	4:00	W	0.1
30-Apr-21	5:00	SSW	0.1
30-Apr-21	6:00	S	0.1
30-Apr-21	7:00	W	0.1
30-Apr-21	8:00	WSW	0.1
30-Apr-21	9:00	ESE	0.1
30-Apr-21	10:00	ESE	0.1
30-Apr-21	11:00	WNW	0.1
30-Apr-21	12:00	WNW	1.0
30-Apr-21	13:00	W	0.1
30-Apr-21	14:00	WSW	1.6
30-Apr-21	15:00	W	1.9
30-Apr-21	16:00	WSW	1.3
30-Apr-21	17:00	W	0.6
30-Apr-21	18:00	SSW	0.1
30-Apr-21	19:00	SW	0.1
30-Apr-21	20:00	WNW	0.1
30-Apr-21	21:00	SSW	0.1
30-Apr-21	22:00	NNW 0.1	
30-Apr-21	23:00	WSW	0.1

APPENDIX E 1-HOUR TSP MONITORING RESULTS AND GRAPHICAL PRESENTATIONS

Location AM1 - Wai Loi Tsuen									
Date	Time	Weather	Particulate Concentration (µg/m <sup>3</sup> )						
1-Apr-21	9:05	Sunny	30.8						
1-Apr-21	10:05	Sunny	28.6						
1-Apr-21	11:05	Sunny	26.4						
7-Apr-21	9:30	Cloudy	66.0						
7-Apr-21	10:30	Cloudy	66.0						
7-Apr-21	11:30	Cloudy	72.6						
13-Apr-21	9:15	Sunny	63.8						
13-Apr-21	10:15	Sunny	68.2						
13-Apr-21	11:15	Sunny	57.2						
19-Apr-21	9:15	Sunny	66.0						
19-Apr-21	10:15	Sunny	63.8						
19-Apr-21	11:15	Sunny	66.0						
22-Apr-21	9:10	Sunny	35.2						
22-Apr-21	10:10	Sunny	41.8						
22-Apr-21	11:10	Sunny	46.2						
28-Apr-21	9:20	Cloudy	70.4						
28-Apr-21	10:20	Cloudy	66.0						
28-Apr-21	11:20	Cloudy	72.6						
		Average	56.0						
		Maximum	72.6						
		Minimum	26.4						

# Appendix E - 1-hour TSP Monitoring Results

Location AM2 - Fu Tei Au									
Date	Time	Weather	Particulate Concentration (µg/m <sup>3</sup> )						
1-Apr-21	13:00	Sunny	33.0						
1-Apr-21	14:00	Sunny	24.2						
1-Apr-21	15:00	Sunny	28.6						
7-Apr-21	13:15	Cloudy	61.6						
7-Apr-21	14:15	Cloudy	70.4						
7-Apr-21	15:15	Cloudy	63.8						
13-Apr-21	13:40	Sunny	66.0						
13-Apr-21	14:40	Sunny	59.4						
13-Apr-21	15:40	Sunny	52.8						
19-Apr-21	13:20	Sunny	55.0						
19-Apr-21	14:20	Sunny	57.2						
19-Apr-21	15:20	Sunny	57.2						
22-Apr-21	14:00	Sunny	57.2						
22-Apr-21	15:00	Sunny	52.8						
22-Apr-21	16:00	Sunny	59.4						
28-Apr-21	13:35	Cloudy	66.0						
28-Apr-21	14:35	Cloudy	74.8						
28-Apr-21	15:35	Cloudy	72.6						
		Average	56.2						
		Maximum	74.8						
		Minimum	24.2						



APPENDIX F 24-HOUR TSP MONITORING RESULTS AND GRAPHICAL PRESENTATIONS

# Appendix F - 24-hour TSP Monitoring Results

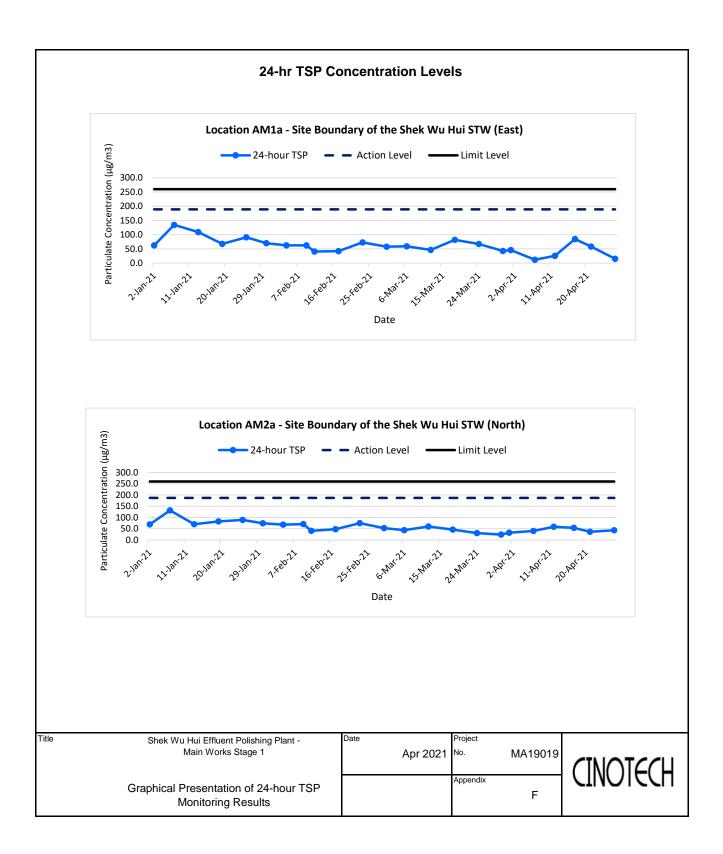
Start Date	Weather	Air Temp.	Atmospheric Pressure,	Filter W	eight (g)	Particulate	Elaps	e Time	Sampling	Flow Rate	e (m <sup>3</sup> /min.)	Av. Flow	Total vol.	Conc.
Start Date	Condition	(K)	Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m <sup>3</sup> /min)	(m <sup>3</sup> )	(µg/m <sup>3</sup> )
1-Apr-21	Cloudy	299.8	757.6	2.6827	2.7620	0.0793	10076.8	10100.8	24.0	1.20	1.20	1.20	1728.2	45.9
7-Apr-21	Sunny	296.2	762.3	2.6826	2.7034	0.0208	10100.8	10124.8	24.0	1.21	1.21	1.21	1742.9	11.9
12-Apr-21	Sunny	298.3	762.1	2.6826	2.7267	0.0441	10124.8	10148.8	24.0	1.21	1.20	1.21	1737.1	25.4
17-Apr-21	Sunny	296.0	762.6	2.6825	2.8304	0.1479	10148.8	10172.8	24.0	1.21	1.21	1.21	1743.7	84.8
21-Apr-21	Sunny	297.9	759.4	2.6651	2.7657	0.1006	10172.8	10196.8	24.0	1.21	1.20	1.21	1735.4	58.0
27-Apr-21	Cloudy	296.8	761.9	2.6535	2.6803	0.0268	10196.8	10220.8	24.0	1.21	1.21	1.21	1740.8	15.4
													Min	11.9
													Max	84.8
													Average	40.2

### Location AM1a - Site Boundary of the Shek Wu Hui STW (East)

### Location AM2a - Site Boundary of the Shek Wu Hui STW (North)

Start Date	Weather	Air Temp.	Atmospheric Pressure,	Filter W	eight (g)	Particulate	Elaps	e Time	Sampling	Flow Rate	e (m <sup>3</sup> /min.)	Av. Flow	Total vol.	Conc.
Start Date	Condition	(K)	Pa (mmHg)	Initial	Final	weight (g)	Initial	Final	Time (hrs.)	Initial	Final	(m <sup>3</sup> /min)	(m <sup>3</sup> )	(µg/m <sup>3</sup> )
1-Apr-21	Cloudy	299.8	757.6	2.6810	2.7373	0.0562	20295.5	20319.5	24.0	1.20	1.20	1.20	1729.4	32.5
7-Apr-21	Sunny	296.2	762.3	2.6762	2.7464	0.0702	20319.5	20343.5	24.0	1.21	1.21	1.21	1742.8	40.3
12-Apr-21	Sunny	298.3	762.1	2.6788	2.7804	0.1017	20343.3	20367.3	24.0	1.21	1.20	1.21	1737.5	58.5
17-Apr-21	Sunny	296.0	762.6	2.6377	2.7314	0.0937	20367.5	20391.5	24.0	1.21	1.21	1.21	1743.4	53.8
21-Apr-21	Sunny	297.9	759.4	2.6715	2.7348	0.0633	20391.5	20415.5	24.0	1.21	1.20	1.21	1735.9	36.4
27-Apr-21	Cloudy	296.8	761.9	2.6417	2.7163	0.0746	20415.5	20439.5	24.0	1.21	1.21	1.21	1740.8	42.9
													Min	32.5
													Max	58.5

Average 44.1



APPENDIX G COPIES OF CALIBRATION CERTIFICATES FOR NOISE MONITORING



0024993

Customer :		Object 1 :	BSWA 308 SLM	
Cinotech Consultants Limited		Serial No. /Ref. No. :	570183 / 550233	
RM 1710, Technology Park,		Object 2 :		
18 On Lai Street, Shatin, N.T.		Serial No. /Ref. No. :		
Hong Kong				
Customer Code : SVEC09005		Manufacturer : BSV	WAtech	
Date of calibration:	07/10/2020	Certificate No.:	0024993	
Date of the recommended re-calibration:	07/10/2021	Handle by:	E0002	

#### Measuring results

Reference value	Indication value	Deviation	Allowed deviation	Object
94.0dB	93.4dB	-0.6dB	+/- 1.5dB	1
114.0dB	113.2dB	-0.8dB	+/- 1.5dB	1

#### Measuring equipment

index	Calibrator / Master	Traceability
1	Master Sound Meter, SVAN949,sn:8571	IEC61672
2	Sound Calibrator, SV30A sn:32580	IEC60942

#### Ambient conditions

Temperature (20...26)°C

Humidity (20...60)%RH

#### Measuring procedure

Calibrated by Type 1 Sound Calibrator with Master Sound Level Meter under 1kHz Frequency.

#### **Uncertainty**

+/- 0.2 dB for probability not less than 95%.

Appleone Calibration Laboratory Ltd.

#### **Conformity**

1. The resulted values were those obtained at the time of test and applies only to the item calibrated.

2. The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains

the uncertainty of the measuring procedure and the uncertainty of the measuring system.

3. The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.

4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories. 5 The calibrations certificate may not be reproduced

5. The calibrations certificate may not be reproduced.

Measured value(s) within the allowable deviation.

Performed by
Calibration Technician Mr. K.L. Ng

Tel: +852 2370 4437 Fax: +852 2114 0393

Rm1309, 13/F, No.77 Wing Hong St, Kln, HKSAR



0024995

Customer : Cinotech Consultants Limited RM 1710, Technology Park, 18 On Lai Street, Shatin, N.T.		Object 1 :         BSWA 308 SLM           Serial No. /Ref. No. :         570187 / 550841           Object 2 :         Serial No. /Ref. No. :	
Hong Kong			
Customer Code : SVEC09005		Manufacturer : BSWAtech	
Date of calibration: Date of the recommended re-calibration:	07/10/2020 07/10/2021	Certificate No.:0024995Handle by:E0002	

### Measuring results

	Reference value	Indication value	Deviation	Allowed deviation	Object
Γ	94.0dB	93.1dB	-0.9dB	+/- 1.5dB	1
ſ	114.0dB	113.1dB	-0.9dB	+/- 1.5dB	1

### Measuring equipment

index	Calibrator / Master	Traceability	
1	Master Sound Meter, SVAN949, sn:8571	IEC61672	
2	Sound Calibrator, SV30A sn:32580	IEC60942	

#### **Ambient conditions**

Temperature (20...26)°C

Humidity (20...60)%RH

#### Measuring procedure

Calibrated by Type 1 Sound Calibrator with Master Sound Level Meter under 1kHz Frequency.

#### Uncertainty

+/- 0.2 dB for probability not less than 95%.

#### Conformity

1. The resulted values were those obtained at the time of test and applies only to the item calibrated.

2. The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains

the uncertainty of the measuring procedure and the uncertainty of the measuring system.

3. The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.

4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories. 5. The calibrations certificate may not be reproduced.

Measured value(s)

the allowable deviation.

Performed by

Approved by

Mr. K.S. Ng

**Calibration Technician** 

Mr. K.L. Ng

**Quality Manager** 

Rm1309, 13/F, No.77 Wing Hong St, KIn, HKSAR

Tel: +852 2370 4437 Fax: +852 2114 0393



0024996

Customer :		Object 1 : BSWA 308 SLM	
Cinotech Consultants Limited		Serial No. /Ref. No. : 570188 / 550850	
RM 1710, Technology Park,		Object 2 :	
18 On Lai Street, Shatin, N.T.		Serial No. /Ref. No. :	
Hong Kong			
Customer Code : SVEC09005		Manufacturer : BSWAtech	
Date of calibration:	07/10/2020	Certificate No.: 0024996	
Date of the recommended re-calibration:	07/10/2021	Handle by: E0002	

#### Measuring results

Reference value	Indication value	Deviation	Allowed deviation	Object
94.0dB	92.9dB	-1.1dB	+/- 1.5dB	1
114.0dB	112.8dB	-1.2dB	+/- 1.5dB	1

#### Measuring equipment

index	Calibrator / Master	Traceability
1	Master Sound Meter, SVAN949, sn:8571	IEC61672
2	Sound Calibrator, SV30A sn:32580	IEC60942

#### Ambient conditions

Temperature (20...26)°C

Humidity (20...60)%RH

#### Measuring procedure

Calibrated by Type 1 Sound Calibrator with Master Sound Level Meter under 1kHz Frequency.

#### Uncertainty

+/- 0.2 dB for probability not less than 95%.

#### **Conformity**

1. The resulted values were those obtained at the time of test and applies only to the item calibrated.

2. The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains

the uncertainty of the measuring procedure and the uncertainty of the measuring system.

3. The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.

4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories.

5. The calibrations certificate may not be	reproduced.		
Measured value(s) within	the allowable deviation.		
Performed by		Approved by	
las-		Мг. К	.S. Ng
Calibration Technician	Mr. K.L. Ng	Quality Manager	
Appleone Calibration Laboratory Ltd.	Rm1309, 13/F, No.77 Wing Hong St	St, KIn, HKSAR Tel: +852 2370 4437 Fax: +852 2114	0393



0025247

Customer :		Object 1 :	ST-120 sound calibrator
Cinotech Consultants Limited		Serial No. /Ref. No. :	181001608
RM 1710, Technology Park,		Object 2 :	
18 On Lai Street, Shatin, N.T.		Serial No. /Ref. No.	
Hong Kong			
Customer Code : SVEC09005		Manufacturer : Sour	ndtek
Date of calibration:	05/11/2020	Certificate No .:	0025247
Date of the recommended re-calibration:	05/11/2021	Handle by:	E0002

#### Measuring results

Reference value	Indication value	Deviation	Allowed deviation	Object
94.0dB	93.7dB	-0.3dB	+/- 0.3dB	1
114.0dB	113.6dB	-0.4dB	+/- 0.5dB	1

#### Measuring equipment

index	Calibrator / Master	Traceability
1	Master Sound Meter, SVAN949, sn:8571	IEC61672
2	Sound Calibrator, SV30A sn:32580	IEC60942

#### Ambient conditions

Temperature (20...26)°C Humidity (20...60)%RH

#### Measuring procedure

Calibrated by Type 1 Sound Level Meter and 1kHz Sound Source -

#### Uncertainty

+/- 0.2 dB for probability not less than 95%.

#### Conformity

1. The resulted values were those obtained at the time of test and applies only to the item calibrated.

2. The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains

the uncertainty of the measuring procedure and the uncertainty of the measuring system.

3. The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.

4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories.

5. The calibrations certificate may not be reproduced.

Measured value(s)	within the	e allowable deviation		
Performed by	1		Approved	ьу
	at		L	~ ``
Calibration Technicia	an	Mr. K.L. Ng	Quality Ma	nager
Appleone Calibration Lat	poratory Ltd. Rm	1309, 13/F, No.77 Wing Hor	ng St, Kln, HKSAR	Tel: +852 2370 4437 Fax: +852 2114 0393



0025249

Customer : Cinotech Consultants Limited RM 1710, Technology Park, 18 On Lai Street, Shatin, N.T. Hong Kong		Object 1 :ST-120 sound calibratorSerial No. /Ref. No. :181001636Object 2 :Serial No. /Ref. No. :	
Customer Code :     SVEC09005       Date of calibration:     0	)5/11/2020 )5/11/2021	Manufacturer : Sour Certificate No.: Handle by:	ndtek 0025249 E0002

#### Measuring results

Reference value	Indication value	Deviation	Allowed deviation	Object
94.0dB	93.7dB	-0.3dB	+/- 0.3dB	1
114.0dB	113.6dB	-0.4dB	+/- 0.5dB	1

### Measuring equipment

index	Calibrator / Master	Traceability
1	Master Sound Meter, SVAN949,sn:8571	IEC61672
2	Sound Calibrator, SV30A sn:32580	IEC60942

#### **Ambient conditions**

Temperature (20...26)°C

Humidity (20...60)%RH

#### Measuring procedure

Calibrated by Type 1 Sound Level Meter and 1kHz Sound Source ...

#### **Uncertainty**

+/- 0.2 dB for probability not less than 95%.

#### Conformity

1. The resulted values were those obtained at the time of test and applies only to the item calibrated.

2. The measurement uncertainty was calculated according to the regulations of GUM with the coverage factor k=2 and contains

the uncertainty of the measuring procedure and the uncertainty of the measuring system.

3. The equipment being used in this calibration are regularly calibrated by laboratory according to ISO/IEC17025.

4.HKAS has accredited this laboratory (HOKLAS 267) for specific calibration activities as listed in the HOKLAS directory of accredited laboratories.

5. The calibrations certificate may not be reproduced.

Measured value(s) within	the allowable deviation.	
Performed by		Approved by
lab		L
Calibration Technician	Mr. K.L. Ng	Quality Manager
Appleone Calibration Laboratory Ltd.	Rm1309, 13/F, No.77 Wing Hong S	t, KIn, HKSAR Tel: +852 2370 4437 Fax: +852 2114 0393

APPENDIX H NOISE MONITORING RESULTS AND GRAPHICAL PRESENTATIONS

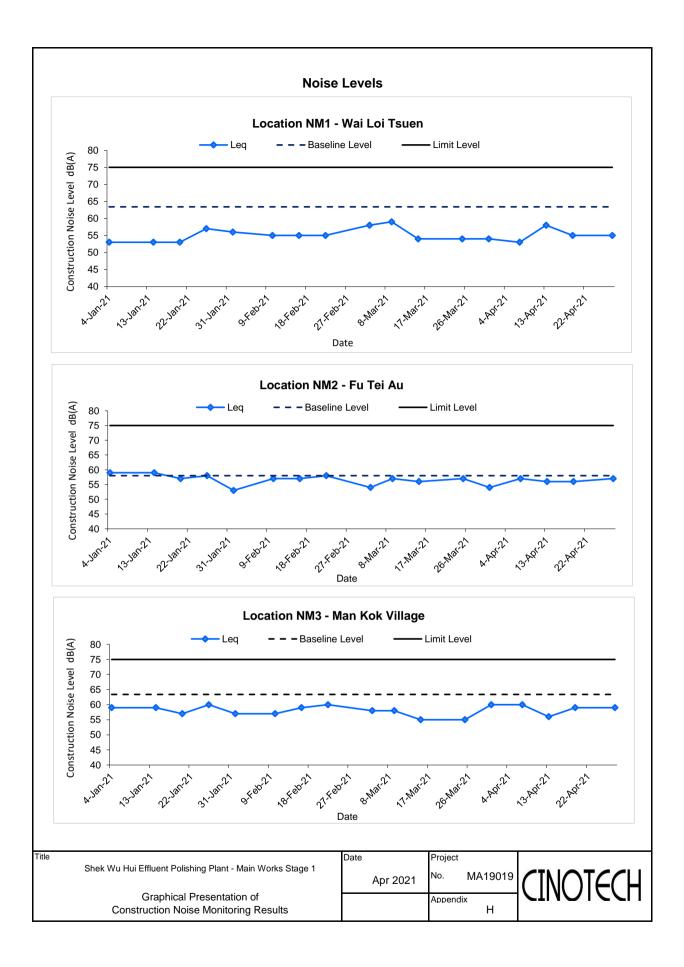
# Appendix H - Noise Monitoring Results

# (0700-1900 hrs on Normal Weekdays)

				Unit: dB (A) (30-min)				
Date	Time	Weather	Measured Noise Level		Baseline Level	Construction Noise Level		
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>eq</sub>	
7-Apr-21	11:30	Cloudy	53.2	55.1	50.8	63.4	53.2 Measured $\leq$ Baseline	
13-Apr-21	10:00	Sunny	57.5	59.8	54.3	63.4	57.5 Measured $\leq$ Baseline	
19-Apr-21	13:10	Sunny	54.8	56.7	51.9	63.4	54.8 Measured $\leq$ Baseline	
28-Apr-21	9:45	Cloudy	55.4	57.9	50.3	63.4	55.4 Measured $\leq$ Baseline	

Location NM2 - Fu Tei Au								
					Uni	t: dB (A) (30-min)		
Date	Time	Weather	Meas	sured Noise I	_evel	Baseline Level	Construction Noise Level	
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>eq</sub>	
7-Apr-21	13:45	Cloudy	57.4	60.4	51.4	58.0	57.4 Measured $\leq$ Baseline	
13-Apr-21	11:00	Sunny	55.8	58.5	53.2	58.0	55.8 Measured $\leq$ Baseline	
19-Apr-21	15:15	Sunny	55.9	58.6	51.6	58.0	55.9 Measured $\leq$ Baseline	
28-Apr-21	11:25	Cloudy	56.7	59.3	51.2	58.0	56.7 Measured $\leq$ Baseline	

Location NM3 - Man Kok Village									
					Uni	t: dB (A) (30-min)			
Date Time		Weather	Meas	sured Noise I	_evel	Baseline Level	Construction Noise Level		
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>eq</sub>		
7-Apr-21	14:45	Cloudy	60.4	63.7	51.5	63.4	60.4 Measured $\leq$ Baseline		
13-Apr-21	13:00	Sunny	56.2	59.2	53.7	63.4	56.2 Measured $\leq$ Baseline		
19-Apr-21	14:05	Sunny	59.0	60.5	55.6	63.4	59 Measured ≦ Baseline		
28-Apr-21	10:30	Cloudy	58.6	61.5	50.8	63.4	58.6 Measured $\leq$ Baseline		



APPENDIX I ECOLOGICAL MONITORING RESULTS AND ANALYSIS

### MA19019 - Ecological Monitoring Result and Analysis

Scientific Name	Common Name	Chinese Name	Waterbird	Point Count	Transect
				Abundance	Abundance
Acridotheres cristatellus	Crested Myna	八哥		111	+++++
Actitis hypoleucos	Common Sandpiper	磯鷸	*	7	+
Anthus hodgsoni	Olive Backed Pipit	樹鷚		11	+
Apus nipalensis	House Swift	小白腰雨燕		6	+
Ardea alba	Great Egret	大白鷺	*	15	+
Ardea cinerea	Grey Heron	蒼鷺	*	2	+
Ardeola bacchus	Chinese Pond Heron	池鷺	*	48	++++
Bubulcus coromandus	Eastern Cattle Egret	牛背鷺	*	25	+++
Buteo japonicus	Eastern Buzzard	普通鵟	*	0	+
Centropus sinensis	Greater Coucal	褐翅鴉鵑		2	+
Columba livia	Domestic Pigeon	原鴿		1	
Copsychus saularis	Magpie Robin	鵲鴝		0	+
Corvus macrorhynchus	Jungle Crow	大嘴烏鴉		1	+
Corvus torquatus	Collared Crow	白頸鴉	*	3	+
Dicrurus macrocercus	Black Drongo	黑卷尾		1	+
Egretta garzetta	Little Egret	小白鷺	*	79	++++
Egretta intermedia	Intermediate Egret	中白鷺	*	0	+
Eudynamys scolopacea	Common Koel	噪鵑		6	++
Gallinula chloropus	Common Moorhen	黑水雞	*	2	+
Garrulax perspicillatus	Masked Laughing Thrush	黑臉噪鶥		7	++
Hierococcyx sparverioides	Large Hawk Cuckoo	大鷹鵑		12	++
Himantopus himantopus	Black-winged Stilt	黑翅長腳鷸	*	9	+
Hirundo rustica	Barn Swallow	家燕		44	+++++
Lonchura striata	White-rumped Munia	白腰文鳥		8	+++++
Milvus migrans	Black Kite		*	4	+
Motacilla alba	White Wagtail	白鶺鴒		16	+
Myophonus caeruleus	Blue Whistling Thrush	紫嘯鶇		1	Τ
Nycticorax nycticorax	Black-crowned Night Heron	夜鷺	*	0	
Orthotomus sutorius	Common Tailorbird			16	+
		長尾縫葉鶯			+
Passer montanus	Eurasian Tree Sparrow	樹麻雀		0	+
Phylloscopus fuscatus	Dusky Warbler	褐柳鶯		4	+
Phylloscopus inornatus	Yellow-browed Warbler	黄眉柳鶯		4	+
Phylloscopus proregulus	Pallas's Leaf Warbler	<u>黄腰柳鶯</u>		6	+
Pica pica	Magpie	喜鹊		1	+
Prinia inornata	Plain Prinia	純色鷦鶯		1	+
Psittacula eupatria	Alexandrine Parakeet	亞歷山大鸚鵡		0	+
Pycnonotus jocosus	Crested bulbul	紅耳鵯		15	++
Pycnonotus sinensis	Chinese Bulbul	白頭鵯		11	++
Streptopelia chinensis	Spotted Dove	珠頸斑鳩		30	+++
Sturnus nigricollis	Black-necked Starling	黑領椋鳥		3	+
Tringa ochropus	Green Sandpiper	白腰草鷸	*	0	+
Zosterops japonicus	Japanese White-eye	暗綠繡眼鳥		7	+
			t Count Abundance	519	

\*For waterbird

For transect abundance, +: <10, ++: 11-20, +++: 21-30, ++++: 31-40, +++++: >40

Remarks: (1) According to S4.7 of the approved Baseline Monitoring Report (Ecology), "waterbirds" was defined as "waterbirds and wetland-depended species", which was referenced to Monthly Waterbird Monitoring Biannual Reports prepared by the Hong Kong Bird Watching Society (Anon, 2018) Also, S.13.11.3.2 of NENT NDA EIA Study requires "Monitoring of Measures to Mitigate for Impacts of the Project on Wetland-dependent Fauna usi the Ng Tung, Sheung Yue and Shek Sheung Rivers". Therefore, "wetland-dependent birds" should be considered as "waterbirds". As raptors and Collared Crow are "wetland-dependent species", they should be taken into consideration in data analysis and impact assessment on waterbirds.

Agreement No. SPW 07/2019 Shek Wu Hui Effluent Polishing Plant - Main Work Stage 1		Project No. MA19019	CINOTECH
Monthly Data Analysis for Ecological Monitoring	Date April 2021	Appendix I	

# MA19019 - Waterbird Ecological Monitoring Result

Monitoring Month Apr

Season Summer

Table II : Total Bird Abundance from Point Count							
	Survey	Informatio	n	Total Bird Abu	Total Bird Abundance from Point Count		
No.	Date	Time	Tide Level	Individuals Recorded	Total	<b>Species Recorded</b>	
#1	8 Apr 2021	15:00	High	61	145	13	
#1	8 Apr 2021	10:00	Low	84	145	17	
#2	12 Apr 2021	14:30	High	39	131	9	
# <i>L</i>	12 Api 2021	11:00	Low	92	131	12	
#3	23 Apr 2021	13:00	High	45	108	14	
#3	25 Api 2021	9:00	Low	63	108	17	
#4	26 Apr 2021	13:30	High	48	125	16	
#4	#4 26 Apr 2021	Apr 2021 10:30 Low 87		87	135	18	
			-	<b>Overall Total</b>	519		

	Table III: Total Waterbird Abundance from Point Count								
	Survey	Informatio	n	Numbers o	of Waterbirds				
No.	Date	Time	Tide Level	Individuals Recorded	Total				
#1	8 Apr 2021	15:00	High	13	49				
#1	8 Api 2021	10:00	Low	36	49				
#2	12 Apr 2021	14:30	High	23	61				
#2	#2 12 Apr 2021	11:00	Low	38	01				
#3	23 Apr 2021	13:00	High	10	34				
#3	23 Api 2021	9:00	Low	24	54				
#1	26 Apr 2021	13:30	High	17	50				
#4	#4 26 Apr 2021	10:30	Low	33	50				
_			-	Overall Total	194				
				Average	49				

Baseline Data

Monthly Average Abundance (Apr)48.13Seasonal Average Abundance (Summer)44.18

T-test

The following hypothesis was made and a one-tail t-test will be used to test the data collected from the monitoring:

 $H_0$  The data collected in the reporting month falls within the normal distrubution when compared to the baseline monitoring data.

 $H_1$  The data collected does not falls within the normal distrubution when compared to the baseline monitoring data.

If t-test value is smaller than the critical value, then rejects  $H_0$ .

For the data in the reporting month, the critical values are:

Crit. Value = -2.353 (95% Confidence Level) Crit. Value = -4.541 (99% Confidence Level)

			Confidence	ce Level
T-values of	Data in Repo	orting Month	95%	99%
Abundance	Monthly	0.068	$\checkmark$	$\checkmark$
	Season	0.779	$\checkmark$	$\checkmark$

# Overall: 🗸 🗸

Remarks:

 $\checkmark$  = T-value falls within the confidence level, the impact monitoring data shows no significant difference to the baseline data.

X = T-value falls outside the confidence level, the impact monitoring data shows significant difference to the baseline data.

Agreement No. SPW 07/2019		Project No.	
Shek Wu Hui Effluent Polishing Plant - Main Work Stage 1		MA19019	CINOTECH
Monthly Data Analysis for Ecological Monitoring	Date	Appendix	
Montiny Data Analysis for Ecological Monitoring	April 2021	Ι	

# MA19019 - Waterbird Ecological Monitoring Result

Monitoring Month Apr

Season Summer

	Table V: Abundance of Representative Waterbirds from Point Count										
]	Representative Species			Recorded Abundance						Baseline Data	
Species Name	Common Name	Chinese Name	8 Apr 2021	12 Apr 2021	23 Apr 2021	26 Apr 2021		Total	Average	Avg (Apr)	Avg (Summer)
Egretta garzetta	Little Egret	小白鷺	19	23	17	20		79	20	21	20
Ardea cinerea	Grey Heron	蒼鷺	1	1	0	0		2	1	0	1
Ardeola bacchus	Chinese Pond Heron	池鷺	12	15	8	13		48	12	14	16
Phalacrocorax carbo	Great Cormorant	普通鸕鷀	0	0	0	0		0	0	0	0
Ardea alba	Great Egret	大白鷺	3	6	2	4		15	4	3	3
Bubulcus coromandus	Eastern Cattle Egret	牛背鷺	4	11	7	3		25	6	7	3
	Table VI: T-test Analysis for Representative Waterbirds from Point Count										

The following hypothesis was made and a one-tail t-test will be used to test the data collected from the monitoring:

 $H_0$  The data collected in the reporting month falls within the normal distrubution when compare to the baseline monitoring data.

 $H_1$  The data collected does not falls within the normal distrubution when compare to the baseline monitoring data.

If t-test value for a specific representative is smaller than the critical value, then rejects H<sub>0</sub>.

For the data in the reporting month, the critical values are:

Crit. Value = -2.353 (95% Confidence Level)

Crit. Value = -4.541 (99% Confidence Level)

	Representative Species		<b>T-value</b>	Confide	nce Level	<b>T-value</b>	Confide	nce Level	Overall
Species Name	Common Name	Chinese Name	Monthly	95%	99%	Seasonal	95%	99%	
Egretta garzetta	Little Egret	小白鷺	-1.100	$\checkmark$	$\checkmark$	-0.200	$\checkmark$	<b>√</b>	√
Ardea cinerea	Grey Heron	蒼鷺				N/A*			
Ardeola bacchus	Chinese Pond Heron	池鷺	-1.529	$\checkmark$	$\checkmark$	-2.561	×	√	√
Phalacrocorax carbo	Great Cormorant	普通鸕鷀				N/A*			
Ardea alba	Great Egret	大白鷺	1.464	$\checkmark$	$\checkmark$	1.419	$\checkmark$	√	√
Bubulcus coromandus	Eastern Cattle Egret	牛背鷺	-0.626	$\checkmark$	$\checkmark$	1.680	$\checkmark$	✓	$\checkmark$

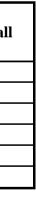
Remarks

\* Great Cormorant (Phalacrocorax carbo ) and Grey Heron (Ardea cinerea ) were not recognised as representative waterbird species during Summer.

 $\checkmark$  = T-value falls within the confidence level, the impact monitoring data shows no significant difference to the baseline data.

X = T-value falls outside the confidence level, the impact monitoring data shows significant difference to the baseline data.

Agreement No. SPW 07/2019		Project No.	
Shek Wu Hui Effluent Polishing Plant - Main Work Stage 1		Ν	MA190
Monthly Data Analysis for Feelogical Monitoring	Date	Appendix	
Monthly Data Analysis for Ecological Monitoring	April 2021		J





APPENDIX J PHOTO RECORDS OF ECOLOGICAL MONITORING

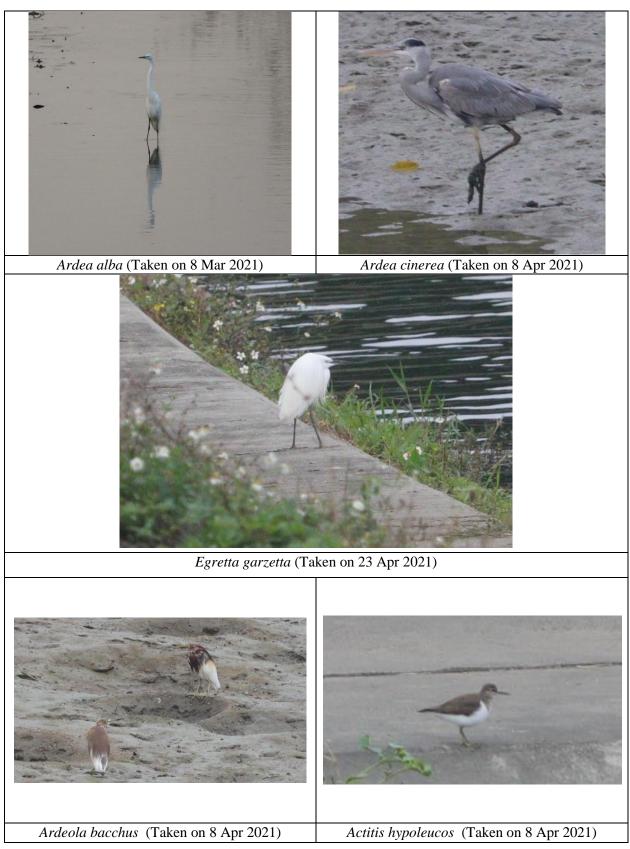
# **Appendix J - Photo Records of Ecological Monitoring**

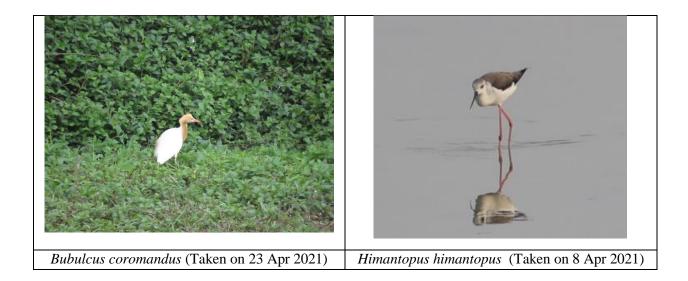
# **Part A - Conditions of Rivers**

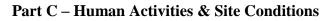


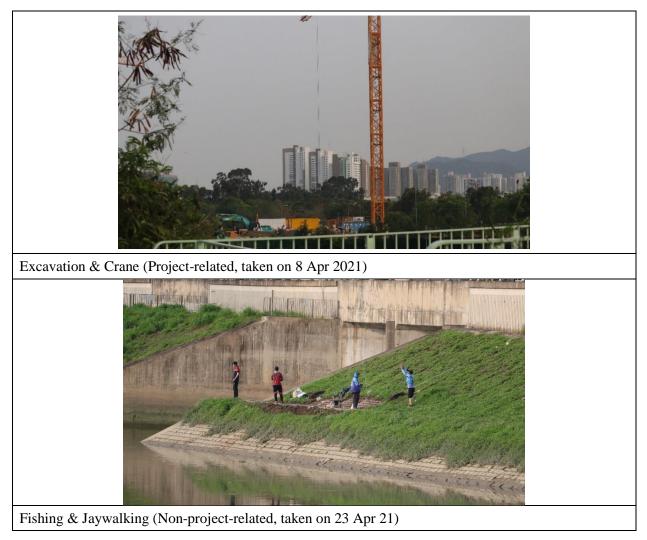












APPENDIX K SITE AUDIT SUMMARY

Checklist Reference Number	210408
Date	8 April 2021 (Thursday)
Time	9:30 - 11:45

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	• No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210330).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	hdro	8 April 2021
Checked by	Mr. Eric Yan	yty	9 April 2021

Checklist Reference Number	210414
Date	14 April 2021 (Wednesday)
Time	9:30 - 11:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	• No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210408).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	hdro	14 April 2021
Checked by	Mr. Eric Yan	nty	15 April 2021

Checklist Reference Number	210420
Date	20 April 2021 (Tuesday)
Time	9:30 - 11:00

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	• No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210414).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	Lang	20 April 2021
Checked by	Mr. Eric Yan	yty	21 April 2021

Checklist Reference Number	210427
Date	27 April 2021 (Tuesday)
Time	9:30 - 11:00

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
210427-R1	• Chemicals should be stored in drip tray at Portion C.	E6iv
	F. Ecology and Fisheries	
	No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210420).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	hdrog	27 April 2021
Checked by	Ms. Betty Choi	BC.	28 April 2021

Checklist Reference Number	210408
Date	8 April 2021 (Thursday)
Time	9:30 - 11:45

Ref. No.	Non-Compliance	<b>Related Item No.</b>
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	• No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210330).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	helno	8 April 2021
Checked by	Mr. Eric Yan	sty	9 April 2021

Checklist Reference Number	210414
Date	14 April 2021 (Wednesday)
Time	9:30 - 11:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210408).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	helno	14 April 2021
Checked by	Mr. Eric Yan	syty	15 April 2021

Checklist Reference Number	210420
Date	20 April 2021 (Tuesday)
Time	9:30 - 11:00

Ref. No.	Non-Compliance	<b>Related Item No.</b>
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	• No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210414).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	helno	20 April 2021
Checked by	Mr. Eric Yan	syty	21 April 2021

Checklist Reference Number	210427
Date	27 April 2021 (Tuesday)
Time	9:30 - 11:00

Ref. No.	Non-Compliance	<b>Related Item No.</b>
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	• No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210420).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	helno	27 April 2021
Checked by	Ms. Betty Choi	BC.	28 April 2021

Checklist Reference Number	210407
Date	7 April 2021 (Wednesday)
Time	10:00 - 11:00

Ref. No.	Non-Compliance	<b>Related Item No.</b>
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210330).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	hend	7 April 2021
Checked by	Mr. Eric Yan	yty	8 April 2021

Checklist Reference Number	210413
Date	13 April 2021 (Tuesday)
Time	10:00 - 11:00

Ref. No.	Non-Compliance	<b>Related Item No.</b>
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	No environmental deficiency was identified during the site inspection.	
	D. Noise	
	No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210407).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	hend	13 April 2021
Checked by	Mr. Eric Yan	yty	14 April 2021

Checklist Reference Number	210420
Date	20 April 2021 (Tuesday)
Time	10:30 - 11:30

Ref. No.	Non-Compliance	<b>Related Item No.</b>
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	• No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210413).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	heno	20 April 2021
Checked by	Mr. Eric Yan	yty	21 April 2021

Checklist Reference Number	210427
Date	27 April 2021 (Tuesday)
Time	10:30 - 11:30

Ref. No.	Non-Compliance	<b>Related Item No.</b>
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	• No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210420).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	hend	27 April 2021
Checked by	Ms. Betty Choi	BC.	28 April 2021

Checklist Reference Number	210407
Date	7 April 2021 (Wednesday)
Time	10:00 - 11:00

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	Following up on the previous site inspection (ref no.: 210330): Item 210330-R1 was rectified/improved by the Contractor.	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	heno	7 April 2021
Checked by	Mr. Eric Yan	yty	8 April 2021

Checklist Reference Number	210413
Date	13 April 2021 (Tuesday)
Time	10:00 - 11:00

Ref. No.	Non-Compliance	<b>Related Item No.</b>
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	• No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210407).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	heno	13 April 2021
Checked by	Mr. Eric Yan	yty	14 April 2021

Checklist Reference Number	210420
Date	20 April 2021 (Tuesday)
Time	10:30 - 11:30

Ref. No.	Non-Compliance	<b>Related Item No.</b>
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210413).	

	Name	Signature	Date
Recorded by	Ms. Echo Hung	heno	20 April 2021
Checked by	Mr. Eric Yan	yty	21 April 2021

Checklist Reference Number	210427
Date	27 April 2021 (Tuesday)
Time	10:30 - 11:30

Ref. No.	Non-Compliance	Related Item No.
-	None identified	-
Ref. No.	Remarks/Observations	Related Item No.
	B. Water Quality	
	• No environmental deficiency was identified during the site inspection.	
	C. Air Quality	
	• No environmental deficiency was identified during the site inspection.	
	D. Noise	
	• No environmental deficiency was identified during the site inspection.	
	E. Waste / Chemical Management	
	• No environmental deficiency was identified during the site inspection.	
	F. Ecology and Fisheries	
	• No environmental deficiency was identified during the site inspection.	
	G. Landscape and Visual	
	• No environmental deficiency was identified during the site inspection.	
	H. Permits /Licences	
	• No environmental deficiency was identified during the site inspection.	
	I. Others	
	No follow-up items from the previous site inspection (ref no.: 210420).	

	Name	Signature	Date	
Recorded by	Ms. Echo Hung	heno	27 April 2021	
Checked by	Ms. Betty Choi	BC.	28 April 2021	

APPENDIX L WASTE FLOW TABLE

#### Name of Department: DSD

### Monthly Summary Waste Flow Table for 2021

	Actua	<b> </b> Quantities	of Inert C&D	Materials G	enerated Mo	Actual Quantities of C&D Wastes Generated Monthly					
		Hard Rock									
	Total	and Large	Reused in	Reused in	Disposed			Paper/			Others, e.g.
Month	Quantity	Broken	the	other	as Public	Imported		cardboard		Chemical	general
	Generated	Concrete	Contract	Projects	Fill	Fill	Metals	packaging	Plastics	Waste	refuse
	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000m3)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m3)
Jan	10.034	0.000	0.000	8.257	1.777	0.606	0.000	0.000	0.002	0.000	0.038
Feb	3.703	0.000	0.000	2.871	0.833	0.071	2.120	0.000	0.000	0.000	0.024
Mar	4.644	0.000	0.000	2.190	2.454	0.037	0.000	0.000	0.006	0.000	0.044
Apr	0.211	0.000	0.023	0.000	0.188	0.160	0.000	0.000	0.008	0.000	0.042
May											
Jun											
Sub-total	18.592	0.000	0.023	13.317	5.252	0.874	2.120	0.000	0.016	0.000	0.148
Jul											
Aug											
Sep											
Oct											
Nov											
Dec											
Total	18.592	0.000	0.023	13.317	5.252	0.874	2.120	0.000	0.016	0.000	0.148

**Notes**: 1. Assume the density of soil fill is 2 ton/m3.

2. Assume the density of rock and broken concrete is 2.5 ton/m3.

3. Assume the density of general refuse is 0.9 ton/m3.

4. Assume density of waste oil is assued to be 0.8 kg/L.

5. The inert C&D materials except slurry and bentonite are disposed at Tuen Mun 38.

6. The slurry and bentonite are disposed at Tseung Kwun O 137.

7. The non-inert C&D wastes are disposed at NENT.

### Monthly Summary Waste Flow Table for 2021

	Actua	Quantities	of Inert C&D	Materials G	enerated Mo	Actual Quantities of C&D Wastes Generated Monthly					
		Hard Rock									
	Total	and Large	Reused in	<b>Reused in</b>	Disposed			Paper/			Others, e.g.
Month	Quantity	Broken	the	other	as Public	Imported		cardboard		Chemical	general
	Generated	Concrete	Contract	Projects	Fill	Fill	Metals	packaging	Plastics	Waste	refuse
	(in '000m <sup>3</sup> )	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m3)					
Jan	0.836	0.000	0.000	0.000	0.836	0.301	21.25	0.000	0.002	0.000	0.006
Feb	0.911	0.000	0.000	0.000	0.911	0.376	39.35	0.000	0.000	0.000	0.007
Mar	0.954	0.000	0.000	0.000	0.954	0.202	0.00	0.000	0.003	0.000	0.016
Apr	0.550	0.000	0.000	0.046	0.504	0.000	0.00	0.000	0.008	0.000	0.009
May											
Jun											
Sub-total	3.251	0.000	0.000	0.046	3.205	0.879	60.60	0.000	0.013	0.000	0.038
Jul											
Aug											
Sep											
Oct											
Nov											
Dec											
Total	3.251	0.000	0.000	0.046	3.205	0.879	60.60	0.000	0.013	0.000	0.038

Notes: 1. Assume the density of soil fill and special waste (i.e. sediment from DSD sedimentation tank) is 2 ton/m3.

2. Assume the density of rock and broken concrete is 2.5 ton/m3

3. Assume the density of general refuse is 0.9 ton/m3

4. Density of waste oil is assued to be 0.8 kg/L. Chemical waste includes waste oil.

5. The inert C&D materials except slurry and bentonite are disposed at Tuen Mun 38

6. The slurry and bentonite are disposed at Tseung Kwun O 137

7. The non-inert C&D wastes, including general refuse & special waste (i.e. sediment from DSD sedimentation tank) are disposed at NENT

#### Name of Department: ArchSD/CEDD/DSD/EMSD/HyD/WSD

Contract No.: <u>DE/2018/03</u>

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

		Actual Quanti	ties of Inert C&D	Materials Generate	ed Monthly		Actual Quantities of C&D Wastes Generated Monthly				
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 <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )
Jan	9.53 T	0	0	0	9.53 T	0	0	0	0	0	0
Feb	3.47T	0	0	0	3.47 T	0	0	0	0	0	0
Mar	14.79T	0	0	0	14.79T	0	0	0	0	0	0
Apr	7.21T	0	0	0	7.21T	0	0	0	0	0	0
May											
June											
Sub-total	35T	0	0	0	35T	0	0	0	0	0	0
July											
Aug											
Sept											
Oct											
Nov											
Dec											
Total	35T	0	0	0	35T	0	0	0	0	0	0

	Forecast of Total Quantities of C&D Materials to be Generated from the Contract*											
interview in the second se								Others, 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 '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m <sup>3</sup> )		
TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA	TBA		

Notes: (1) The performance targets are given in PS Clause 6A.27.8(14).

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

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

(4) The *Contractor* shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the Works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000 m<sup>3</sup>. (PS Clause 6.21.7(4)(b) refer

### Monthly Summary Waste Flow Table for 2021 (year)

		Actual Quanti	ties of Inert C&D	Materials Generate	ed Monthly			Actual Quantities of	C&D Wastes G	enerated Monthly	
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 2)	Chemical Waste	Others, e.g. general refuse
	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000 kg)
Jan	230.16	0	0	0	230.16	0	0	0	0	0	1.54
Feb	175.98	0	100	0	75.98	0	0	0	0	0	3.63
Mar	11.98	0	0	0	11.98	0	0	0	0	0	1.35
Apr	0	0	0	0	0	0	0	0	0	0	1.48
May											
June											
Sub-total	418.12	0	100	0	318.12	0	0	0	0	0	8.00
July											
Aug											
Sept											
Oct											
Nov											
Dec											
Total	418.12	0	100	0	318.12	0	0	0	0	0	8.00

APPENDIX M EVENT AND ACTION PLANS

T (		Act	tion	
Event	ET	IEC	ER	Contractor
Action level being exceeded by one sampling	<ol> <li>Identify source, investigate the causes of complaint and propose remedial measures;</li> <li>Inform IEC and ER;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method.</li> </ol>	1. Notify Contractor.	<ol> <li>Rectify any unacceptable practice;</li> <li>Amend working methods if appropriate.</li> </ol>
Action level being exceeded by two or more consecutive sampling	<ol> <li>Identify source;</li> <li>Inform IEC and ER;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Discuss with IEC and Contractor on remedial actions required;</li> <li>If exceedance continues,</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 three working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> </ol>

### Table M-1Event/Action Plan for Air Quality

E	Action									
Event	ET	IEC	ER	Contractor						
Limit level being exceeded by one sampling	<ul> <li>arrange meeting with IEC and ER;</li> <li>8. If exceedance stops, cease additional monitoring.</li> <li>1. Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>2. Inform Contractor, IEC, ER, and EPD;</li> <li>3. Repeat measurement to confirm finding;</li> <li>4. Increase monitoring frequency to daily;</li> <li>5. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER</li> </ul>	<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 ER on the effectiveness of the proposed remedial measures;</li> <li>Supervise implementation of remedial measures.</li> </ol>	•	<ol> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial actions to IEC within three working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Amend proposal if appropriate.</li> </ol>						
<b>.</b>	informed of the results.			1 10 1 1 1 4 4 4						
Limit level being	1. Notify IEC, ER, Contractor	1. Discuss amongst ER, ET, and 1.	. Confirm receipt of	1. Take immediate action to						
exceeded by two or	and EPD;	Contractor on the potential	notification of exceedance in	avoid further exceedance;						
more consecutive	2. Identify source;	remedial actions;	writing;	2. Submit proposals for remedial						
sampling	3. Repeat measurement to	2. Review Contractor's2.	. Notify Contractor;	actions to IEC within three						
	confirm findings;	remedial actions whenever 3.	. In consolidation with the	working days of notification;						

E-con4		Ad	tion	
Event	ET	IEC	Contractor	
	4. Increase monitoring	necessary to assure their	IEC, agree with the	3. Implement the agreed
	frequency to daily;	effectiveness and advise the	Contractor on the remedial	proposals;
	5. Carry out analysis of	ER accordingly;	measures to be implemented;	4. Resubmit proposals if
	Contractor's working	3. Supervise the	4. Ensure remedial measures	problem still not under
	procedures to determine	implementation of remedial	properly implemented;	control;
	possible mitigation to be	measures.	5. If exceedance continues,	5. Stop the relevant portion of
	implemented;		consider what portion of the	works as determined by the
	6. Arrange meeting with IEC		work is responsible and	ER until the exceedance is
	and ER to discuss the		instruct the Contractor to	abated.
	remedial actions to be taken;		stop that portion of work	
	7. Assess effectiveness of		until the exceedance is	
	Contractor's remedial actions		abated.	
	and keep IEC, EPD and ER			
	informed of the results;			
	8. If exceedance stops, cease			
	additional monitoring.			

T (	Action									
Event	ET	IEC ER	Contractor							
Action Level	1. Notify IEC and Contractor;	1. Review the analysed results 1. Confirm receipt of	1. Submit noise mitigation							
	2. Carry out investigation;	submitted by the ET; notification of failure in	proposals to IEC;							
	3. Report the results of	2. Review the proposed writing;	2. Implement noise mitigation							
	investigation to the IEC, ER	remedial measures by the 2. Notify Contractor;	proposals.							
	and Contractor;	Contractor and advise the ER 3. Require Contractor to propose								
	4. Discuss with the Contractor	accordingly; remedial measures for the								
	and formulate remedial	3. Supervise the analysed noise problem;								
	measures;	implementation of remedial 4. Ensure remedial measures are								
	5. Increase monitoring	measures. properly implemented.								
	frequency to check									
	mitigation effectiveness.									
Limit Level	1. Identify source;	1. Discuss amongst ER, ET, and 1. Confirm receipt of	1. Take immediate action to							
	2. Inform IEC, ER, EPD and	Contractor on the potential notification of failure in	avoid further exceedance;							
	Contractor;	remedial actions; writing;	2. Submit proposals for							
	3. Repeat measurements to	2. Review Contractors remedial 2. Notify Contractor;	remedial actions to IEC							
	confirm findings;	actions whenever necessary 3. Require Contractor to	within 3 working days of							
	4. Increase monitoring	to assure their effectiveness propose remedial measures	notification;							
	frequency;	and advise the ER for the analysed noise	3. Implement the agreed							
	5. Carry out analysis of	accordingly; problem;	proposals;							

### Table M-2Event/Action Plan for Construction Noise

Event		Act	tion	
Event	ЕТ	IEC	ER	Contractor
	Contractor's working	3. Supervise the	4. Ensure remedial measures	4. Resubmit proposals if
	procedures to determine	implementation of remedial	properly implemented;	problem still not under
	possible mitigation to be	measures.	5. If exceedance continues,	control;
	implemented;		consider what portion of the	5. Stop the relevant portion of
	6. Inform IEC, ER and EPD the		work is responsible and	works as determined by the
	causes and actions taken for		instruct the Contractor to stop	ER until the exceedance is
	the exceedances;		that portion of work until the	abated.
	7. Assess effectiveness of		exceedance is abated.	
	Contractor's remedial actions			
	and keep IEC, EPD and ER			
	informed of the results;			
	8. If exceedance stops, cease			
	additional monitoring.			

Action Level	Response	Limit Level	Response						
Construction Phase									
Decline in numbers of all waterbird species relative to numbers during Baseline Monitoring such that the Action Level response is triggered.	Investigate cause and if cause identified as related to the Project instigate remedial action to remove or reduce source of disturbance.	Decline in numbers of all waterbird species relative to numbers during Baseline Monitoring such that the Limit Level response is triggered.	Investigate cause and if caused identified as related to the Project instigate remedial action.						
Decline in numbers of any one waterbird species occurring in significant numbers* during Baseline Monitoring such that the Action Level response is triggered.	Investigate cause and if cause identified as related to the Project instigate remedial action to remove or reduce source of disturbance.	Decline in numbers of any one waterbird species occurring in significant numbers* during Baseline Monitoring such that the Limit Level response is triggered.	Investigate cause and if caused identified as related to the Project instigate remedial action.						

### Table M-3Event/Action Plan for Ecology

Event			Action			
	ET	IEC	ER	Contractor		
Non-conformity	1. Inform the Contractor, IEC and	1. Check inspection report;	1. Confirm receipt of	1. Identify source and investigate		
on one occasion	ER;	2. Check Contractor's working	notification of	the non-conformity;		
	2. Discuss remedial actions with	method;	non-conformity in writing;	2. Implement remedial measures;		
	IEC, ER and Contractor	3. Discuss with ET, ER and	2. Review and agree on the	3. Amend working methods		
	3. Monitor remedial actions until	Contractor on possible	remedial measures	agreed with ER as appropriate;		
	rectification has been	remedial measures;	proposed by the	4. Rectify damage and undertake		
	completed.	4. Advise ER on effectiveness	Contractor;	any necessary replacement.		
		of proposed remedial	3. Supervise implementation			
		measures.	of remedial measures.			

Table M-4Event/Action Plan for Landscape and Visual

Event	Action						
	ET	IEC	ER	Contractor			
Repeated	1. Identify source;	1. Check inspection report;	1. Notify the Contractor;	1. Identify source and investigate			
Non-conformity	2. Inform the Contractor, IEC and	2. Check Contractor's working	2. In consultation with the ET	the non-conformity;			
	ER;	method;	and IEC, agree with the	2. Implement remedial measures;			
	3. Discuss inspection frequency;	3. Discuss with ET, ER and	Contractor on the remedial	3. Amend working methods			
	4. Discuss remedial actions with	Contractor on possible	measures to be	agreed with ER as appropriate;			
	IEC, ER and Contractor;	remedial measures;	implemented;	4. Rectify damage and undertake			
	5. Monitor remedial actions until	4. Advise ER on effectiveness	3. Supervise implementation	any necessary replacement.			
	rectification has been	of proposed remedial	of remedial measures.	Stop relevant portion of works			
	completed;	measures.		as determined by ER until the			
	6. If non-conformity stops, cease			non-conformity is abated.			
	additional monitoring.						

APPENDIX N ENVIRONMENTAL MITIGATION IMPLEMENTATION SCHEDULE (EMIS)

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
Air Quality Imp	act						
S2.3.1.3	Dust suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation and good site practices:	To minimize the dust impact	Contractor	Work Sites	Construction phase of Main Works Stage 1,	Air Pollution Control Ordinance (APCO) and Air Pollution	٨
	Any excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet and then removed or backfilled or reinstated where practicable within 24 hours of the excavation or unloading;				Stage 2 and Stage 3	Control (Construction Dust) Regulation	٨
	Any dusty material remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads;						۸
	A stockpile of dusty material should not be extended beyond the pedestrian barriers, fencing or traffic cones;	-					٨
	The load of dusty materials on a vehicle leaving a construction site should be covered entirely by impervious sheeting to ensure that the dusty materials do not leak from the vehicle;						۸
	Where practicable, vehicle washing facilities with high pressure water jet should be provided at every discernible or designated vehicle exit point. The area where vehicle washing takes place and the road section between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores;						۸
	When there are open excavation and reinstatement works, hoarding of not less than 2.4m high should 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 period.						۸
	The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials;						۸

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
S2.3.1.3	Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously;		Contractor	Work Sites	Works Stage 1,	Air Pollution Control Ordinance (APCO) and Air Pollution	۸
	Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities so as to maintain the entire surface wet;				Stage 2 and Stage 3	Control (Construction Dust) Regulation	۸
	Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding;		N/A				
	Any skip hoist for material transport should be totally enclosed by impervious sheeting;						N/A
	Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides;					-	N/A
	Cement or dry PFA delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed;						N/A
	Loading, unloading, transfer, handling or storage of bulk cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system; and	carried out in a totally enclosed system or facility, and any should be fitted with an effective fabric filter or equivalent		N/A			
	Exposed earth should 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						۸

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
Noise Impact				T			
\$3.2.1.1	Use of movable barrier, enclosure, acoustic mat and quiet plant. Use of wooden frames barrier with a small-cantilevered upper portion of superficial density not less than 14kg/m <sup>2</sup> on a skid footing with 25mm thick internal sound absorptive lining.	To minimize construction noise impact arising from the Project at the affected noise sensitive receivers (NSRs)	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM, Noise Control Ordinance (NCO)	^
\$3.2.1.2	Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction program.	To minimize construction noise impact arising from	Contractor	Work Sites	Construction phase of Main Works Stage 1,	EIAO-TM, NCO	۸
	Silencers or mufflers on construction equipment should be utilized and should be properly maintained during the construction program.	the Project at the affected NSRs			Stage 2 and Stage 3		۸
	Mobile plant, if any, should be sited as far away from NSRs as possible.						٨
	Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum.						۸
	Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.						۸
	Material stockpiles and other structures should be effectively utilized, wherever practicable, in screening noise from on-site construction activities.						N/A

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
<b>Ecological Impa</b>							
S4.2.1.1	Solid dull green noise/visual barriers of at least 2m high shall be erected and maintained between active works area and all areas of ecological importance.	Minimize noise and human disturbances during construction phase.	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	Λ
\$4.2.1.2	Avoid unnecessary lighting.	Minimize mortality impacts on birds.	Design / Contractor/ Plant Operator	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	۸
\$4.2.1.3	Good construction site practice to minimise dust generation should be followed on all construction sites. Measures to avoid, minimise and mitigate impacts on air quality are detailed in this schedule	Minimize dust generation from construction sites.	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	۸
\$4.2.1.4	Temporary sewerage and drainage to be designed and installed to collect wastewater and prevent it from entering water bodies;	Avoid, minimise and mitigate impact on water quality	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM	۸
	Proper locations well away from nearby water bodies should be used for temporary storage of materials (i.e. equipment, filling materials, chemicals and fuel) and temporary stockpiles of construction debris and spoil, and these should be identified before commencement of works;				Suge 5		۸
	To prevent muddy water entering nearby water bodies, work sites close to nearby water bodies should be isolated, using such items as sandbags or silt curtains with lead edge at bottom and properly supported props. Other protective measures should also be taken to ensure that no pollution or siltation occurs to the water gathering grounds of the work sites;						۸
	Construction debris and spoil should be covered and/or properly disposed of as soon as possible to avoid these being washed into nearby water bodies;						۸

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status							
S4.2.1.4	Proper locations for discharge outlets of temporary wastewater treatment facilities well away from sensitive receivers should be identified;	Avoid, minimise and mitigate impact on water quality	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and	EIAO-TM	^							
	Adequate lateral support should be erected where necessary in order to prevent soil/mud from slipping into water bodies;				Stage 3		^							
	Site boundaries should be clearly marked and any works beyond the boundary strictly prohibited;	-					٨							
	Regular water monitoring and site audit should be carried out at adequate points along any watercourses where construction works are underway upstream within their catchments and also on the Ng Tung, Sheung Yue and Shek Sheung Rivers. If the monitoring and audit results show that pollution occurs, adequate measures including temporarily cessation of works should be considered;													۸
	Excavation profiles should be properly designed and executed with attention to the relevant requirements for environment, health and safety;						۸							
	Where soil to be excavated is situated beneath the groundwater table, it may be necessary to lower the groundwater table by installing well points or similar means;				-	N/A								
	Stockpiling sites should be lined with impermeable sheeting and bunded. Stockpiles should be properly covered by impermeable sheeting to reduce dust emission during dry season or contaminated run-off during rainy season. Watering should be avoided on stockpiles of contaminated soil to minimize contaminated runoff and construction materials should be properly covered and located away from nearby water bodies; and	ling sites should be lined with impermeable sheeting and bunded. les should be properly covered by impermeable sheeting to reduce ission during dry season or contaminated run-off during rainy Watering should be avoided on stockpiles of contaminated soil to ze contaminated runoff and construction materials should be			۸									
	Supply of suitable clean backfill material after excavation, if required.	-					N/A							
	Vehicles containing any excavated materials should be suitably covered to limit potential dust emissions or contaminated run-off, and truck bodies and tailgates should be sealed to prevent discharge during transport or during wet season;	ons or contaminated run-off, and truck bodies led to prevent discharge during transport or as carrying contaminated materials should be cilities at construction sites' exit points should					۸							
	Speed control for the trucks carrying contaminated materials should be enforced;							٨						
	Vehicle wheel washing facilities at construction sites' exit points should be established and used, where necessary				۸									

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
Water Quality In	mpact						
\$5.2.2.1	Construction Site Runoff Practices and measures provided in the Practice Note for Professional Persons on Construction Site Drainage, (PROPECC PN1/94) should be followed where applicable.	Control construction runoff	Contractors	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM, WPCO, EIAO	۸
\$5.2.2.2 – \$5.2.2.3	Contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	Handling of site sewage	Contractors	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	EIAO-TM, WPCO, EIAO	۸
	Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project. Regular environmental audit on construction site should be conducted in order to provide an effective control of any malpractices and achieve continual improvement of environmental performance on site. It is anticipated that sewage generation during the construction phase of the Project would not cause water quality impact after undertaking all required measures						Λ

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
Waste Managen				I	I		
\$6.2.2.1	Nomination of an approved person, such as a site manager, to be responsible for the implementation of good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site;	Minimize waste generation during construction	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Waste Disposal Ordinance (WDO)	^
	Training of site personnel in site cleanliness, appropriate waste management procedures and concepts of waste reduction, reuse and recycling;						۸
	Provision of sufficient waste disposal points and regular collection for disposal;						٨
	Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers;	nsportation of waste by either covering trucks or by transporting wastes enclosed containers; gular cleaning and maintenance programme for drainage systems, nps and oil interceptors; Environmental Management Plan (EMP) should be prepared by the			-	۸	
	Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;					WDO	۸
	An Environmental Management Plan (EMP) should be prepared by the contractor and submitted to the Supervisor for approval.						٨
\$6.2.3.1	Segregate and store different types of waste in different containers, skip or stockpiles to enhance reuse or recycling of materials and their proper disposal;	generation	Contractor	Work Sites	Prior to the commencement of construction of Main Works Stage 1, Stage 2 and Stage 3		۸
	Proper storage and site practices to minimize the potential for damage and contamination of construction materials;						٨
	Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste;						٨
	Sort out demolition debris and excavated materials from demolition works to recover reusable/recyclable portions (i.e. soil, broken concrete, metal etc.); and						۸
	Provide training to workers on the importance of appropriate waste management procedures, including waste reduction, reuse and recycling.						۸

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
6.2.4.1	Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimizing the potential of pollution;	Minimize waste impacts arising from waste storage	Contractor		Construction phase of Main Works Stage 1, Stage 2 and Stage 3	WDO -	٨
	Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; and						۸
	Different locations should be designated to stockpile each material to enhance reuse.						٨
S6.2.4.2	Remove waste in timely manner;	Minimize waste impacts arising from waste storage	Contractor		Construction phase of Main Works Stage 1, Stage 2 and Stage 3	WDO	*
	Employ the trucks with cover or enclosed containers for waste transportation						۸
	Obtain relevant waste disposal permits from the appropriate authorities						^
	Disposal of waste should be done at licensed waste disposal facilities.						٨
\$6.2.5.2	Maintain temporary stockpiles and reuse excavated fill material for backfilling;	Minimize waste impacts from excavated and C&D materials	Contractor		Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Land (Miscellaneous Provisions) Ordinance, WDO, ETWB TCW No. 19/2005	٨
	Carry out on-site sorting;						۸
	Make provisions in the Contract documents to allow and promote the use of recycled aggregates where appropriate;						^
	Adopt "selective demolition" technique to demolish the existing structure and facilities with a view to recovering broken concrete effectively for recycling purpose, where possible; and						N/A
	Implement a trip-ticket system for each works contract to ensure that the disposal of C&D materials are properly documented and verified.						۸
\$6.2.5.3	The Contractor should recycle as much as possible of the C&DM on-site. Public fill and C&DM waste should be segregated and stored in different containers or skips to enhance reuse or recycling of materials and their proper disposal. For example, concrete and masonry can be crushed and used as fill, and steel reinforcing bar can be used by scrap steel mills. Different areas of the work sites should be designated for such segregation and storage.	Minimize waste impacts from building demolition and new building construction	Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Land (Miscellaneous Provisions) Ordinance, WDO, ETWB TCW No. 19/2005	٨

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
\$6.2.5.3	The use of wooden hoardings shall not be allowed. An alternative material, such as metal, aluminium or alloy etc, could be used.		Contractor	Work Sites	Construction phase of Main Works Stage 1, Stage 2 and Stage 3	Land (Miscellaneous Provisions) Ordinance, WDO, ETWB TCW No. 19/2005	۸
	Government has developed a charging policy for the disposal of waste to landfill at present. It will provide additional incentive to reduce the volume of generated waste and ensure proper segregation to allow reuse of the inert material on site when implemented.						۸
	In order to minimize the impacts of the demolition works, the generated wastes must be cleared as quickly as possible after demolition. Therefore, the demolition and clearance works should be undertaken simultaneously. To facilitate proper segregation of inert and non-inert C&D material arising from demolition works, selective demolition method should be adopted.						۸
\$6.2.5.4	If chemical wastes are produced at the construction site, the Contractors should register with EPD as chemical waste producers.	Control the chemical waste and	Contractor	Work Sites	phase of Main(Chemical WasteWorks Stage 1,General) RegulatioStage 2 andCode of Practice orStage 3the Packaging,Labelling and Store	(Chemical Waste	٨
	Chemical wastes should be stored in appropriate containers and collected by a licensed chemical waste contractor. Chemical wastes (e.g. spent lubricant oil) should be recycled at an appropriate facility as far as possible, while the chemical waste that cannot be recycled should be disposed of at either the Chemical Waste Treatment Centre, or another licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	ensure proper storage, handling and disposal				Code of Practice on	#
S6.2.5.5	General refuse should be stored in enclosed bins separately from construction and chemical wastes.	Minimize production of the general refuse and avoid odour, pest and litter impacts	Contractor	Work Sites	phase of Main	Waste Disposal (Chemical Waste General) Regulation	٨
	Recycling bins should also be placed to encourage recycling.						٨
	Preferably enclosed and covered areas should be provided for general refuse collection and routine cleaning for these areas should also be implemented to keep areas clean.						٨
	A reputable waste collector should be employed to remove general refuse on a daily basis.						۸

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
Landscape and V		1		1	1	1	
	For areas unavoidably disturbed by the Project on a short term basis e.g. works areas, the general principle to try and restore these to their former state to suit future land use, should be adhered to.	Minimize the impact to the landscape and visual	Contractor	Work Sites	Prior to construction and construction phase		N/A
	With regard to topsoil, where identified, it should be stripped, treated appropriately, and where suitable and practical stored for re-use in the construction of the soft landscape works such as roadside amenity strips, and open space sites.	visual			phase		N/A
	MM4 – Tree Protection & Preservation Existing trees to be retained within the Project Site should be carefully protected during construction. In particular Old and Valuable Trees (OVTs) will be preserved according to ETWB TC (Works) No. 29/2004. 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. A detailed tree survey will be carried out for the Tree Removal Application (TRA) process which will be carried out at the later detailed design stage of the Project. The detailed tree survey will propose which trees should be retained, transplanted or felled and will include details of tree protection measures for those trees to be retained.	Protect and Preserve Trees	Designer / Contractor	Work Sites	construction and	ETWB TCW No. 29/2004 and DEVB TC(W) No.7/2015	Λ

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
\$7.3.2.1	MM5 - Tree Transplantation Trees unavoidably affected by the Project works should be transplanted where practical. Trees should be transplanted straight to their final receptor site and not held in a temporary nursery as far as possible. A detailed Tree Transplanting Specification shall be provided in the Contract Specification, where applicable. Sufficient time for necessary tree root and crown preparation periods shall be allowed in the project programme. A detailed transplanting proposal will be submitted to relevant government departments for approval in accordance with ETWBTC No. 2/2004 and DEVB TC(W) No. 7/2015 and final locations of transplanted trees should be agreed prior to commencement of the work. For trees associated with highways e.g. roadside planting along highways, that are unavoidably affected and should be transplanted, HyD HQ/GN/13 'Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit' should be referred to.	Transplant Trees where suitable for transplantation	Designer / Contractor	Work Sites where possible. Otherwise consider offsite locations	Prior to construction, construction phase and operation phase	DEVB TC(W) No. 7/2015 and ETWB TCW No.2/2004 HyD HQ/GN/13 Interim Guidelines for Tree Transplanting Works under Highways Department's Vegetation Maintenance Ambit	٨
\$7.3.2.1	MM6 - Slope Landscaping Site formation should be reduced as far as possible. Hydroseeding of modified slopes should be done as soon as grading works are completed to prevent erosion and subsequent loss of landscape recourses and charter. Woodland tree seedings and/or shrubs should be planted where slope gradient and site conditions allow. In addition, landscape planting should be provided for the retaining structures associated with modified slopes where conditions allow. All slope landscaping works should comply with GWO Publication No. 1/2011-Technical Guidelines on Landscape Treatment for Slopes.	To avoid substantial slope cutting and fill slopes. To prevent erosion and subsequent loss of landscape resources and character. To ensure man- made slopes are as visually amenable as possible.	Designer / Contractor	Work Sites	Prior to construction, construction phase and operation phase	GEO Publication (1999) - Use of Vegetation as Surface Protection on Slope; GEO Publication No. 1/2011-Technical Guidelines on Landscape Treatment for Slopes	N/A N/A

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
\$7.3.2.1	MM7 - Compensatory Planting Compensatory tree planting for 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 Removal Application process under DEVB TC(W) No. 7/2015.	Compensate for trees and shrubs lost due to the Project	Designer / Contractor	Work Sites where possible. Otherwise consider offsite locations	Prior to construction, construction phase and operation phase	DEVB TC(W) No. 7/2015 and ETWB TCW No. 2/2004	N/A
	Compensatory planting is proposed at the potential open areas such as open spaces, amenity areas, open areas of the streetscapes, as well as the open areas within development lots.	-					N/A
	Compensatory planting for shrubs should be considered in suitable locations. Native species such as <i>Melastoma malabathricum</i> , <i>Diospyros</i> vaccinioides, Gardenia jasminoides, Ixora chinensis, Ligustrum sinense, Litsea rotundifolia, Melastoma dodecandrum, Atalantia buxifolia, Rhodomyrtus tomentosa, Rhaphiolepis indica, and Rhododendron simsii are suggested.						N/A
\$7.3.2.1	MM9 - Vertical Greening Planting of climbers to grow up vertical surfaces were appropriate.	Soften hard surfaces and facilities	Designer / Contractor	On appropriate structures	Prior to construction, construction phase and operation phase	ETWB TCW No.11/2004 – Cyber Manual for Greening	N/A
\$7.3.2.1	MM10 - Green Roof Roof greening where appropriate should be established on proposed buildings as per the guidelines stated. These guidelines provide further details including information regarding structural loading, design, maintenance, etc. considerations as well as providing information on what types of plants might be suitable.	Reduce exposure to untreated concrete surfaces and particularly mitigate visual impact to visually sensitive receivers (VSRs) at high levels. Provide greening.	Designer / Contractor	On appropriate buildings	Prior to construction, construction phase and operation phase	CIBSE HK Branch, Technical Guidelines for Green Roof Systems in Hong Kong (2011); ArchSD/Urbis Study on Green Roof Application in HK (2007)	N/A

EM&A Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	Status
\$7.3.2.1		To screen proposed structures such as roads and buildings. Improve compatibility with the surrounding environment and create a pleasant pedestrian environment	Designer / Contractor	Along roads, around suitable built structures, or around VSRs to contain their view out to the structures.	Prior to construction, construction phase and operation phase	ETWB TCW No. 10/2013 and 3/2006	N/A
\$7.3.2.1	MM16 - Screen Hoarding Screen hoarding shall be erected along areas of the construction works site boundary where the works site borders publically accessible routes and/or is close to visually sensitive receivers (VSRs). It is proposed that the screening be compatible with the surrounding environment and where possible, non-reflective, recessive colours be used. Any works areas near the ecological sensitive areas should erect 2m high dull green site boundary fence.		Designer	Work Sites	Construction phase		٨
\$7.3.2.1	MM17 - Light Control Construction day and night time lighting should be controlled to minimize glare impact to adjacent VSRs during the Construction phase. Street and night time lighting shall also be controlled to minimize glare impact to adjacent VSRs during the operation phase.	To minimize glare impact to adjacent VSRs.	Designer / Contractor	Work Sites and/or the Plant	Construction phase and operation phase		۸

Remarks: EM	I&A Programme under FEP-02/474/2013
^	Compliance of mitigation measure;
N/A N/A(1)	Not applicable at this stage; Not observed;
*	Recommendation was made during site audit but improved/retified by the contractor;
#	Recommendation was made during site audit but not yet improved/retified by the contractor;
Х	Non-compliance of mitigation measure;
•	Non-compliance but rectified by the contractor.

APPENDIX O SUMMARIES OF ENVIRONMENTAL COMPLAINT, WARNING, SUMMON AND NOTIFICATION OF SUCCESSFUL PROSECUTION

# Agreement No. SPW 07/2019 Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1

# Appendix O – Summary of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

# **Reporting Month**: April 2021

Log Ref.	Location	Received Date	Details of Complaint/Warning/Summon and Prosecution	Investigation/Mitigation Action	Status
1	Expansion Site of SWHSTP (Portion C)	18 March 2020	Muddy water was suspected to be discharged from the expansion site of SWHSTP to Shek Sheung River, manholes and foul drains nearby	<ul> <li>Employed suction truck and dump truck to clear the silt and mud at Shek Sheung River</li> <li>Arranged to repair the wastewater treatment system</li> <li>Installed additional sedimentation tanks and wastewater treatment system to increase the on-site treatment capacity</li> <li>Clean the slurry sediment released from the outlet regularly by suction trucks</li> <li>Avoid damage of underground drains and pipes caused by existing construction works</li> <li>Avoid illegal discharge from the Site into foul drains and manholes</li> </ul>	Complaint Investigation Report (CIR) was submitted in April 2020

# Agreement No. SPW 07/2019 Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1

Log Ref.	Location	Received Date	Details of Complaint/Warning/Summon and Prosecution	Investigation/Mitigation Action	Status
2	SWHEPP	19 February 2021	Significant odour nuisance was suspected to be emitted from the construction activities of SWHEPP	<ul> <li>Ensured only PMEs with valid NRMM label were used on-site</li> <li>Conducted regular visual checking against emission quality of exhaust pipe of equipment by using the Ringlemann Chart</li> <li>Used ULSD for diesel-powered equipment</li> <li>Provided water spraying and water sprinklers system for haul road access and demolition works</li> <li>Used battery powered solution to provide power to the tower crane</li> <li>Provided cover for all rubbish bins on-site</li> <li>Separated general refuse from construction waste</li> </ul>	CIR was submitted in March 2021

		C INT APP A	C C C L D (*
Appendix O – Summary of Environmental C	Complaint, warning,	Summon and Notification of	I Successful Prosecution

**Remarks**: No environmental complaint/warning/summon and prosecution was received in the reporting period.

APPENDIX P SUMMARY OF EXCEEDANCE

# Agreement No. SPW 07/2019 Shek Wu Hui Effluent Polishing Plant – Main Works Stage 1

# **Appendix P – Summary of Exceedance**

Reporting Month: April 2021

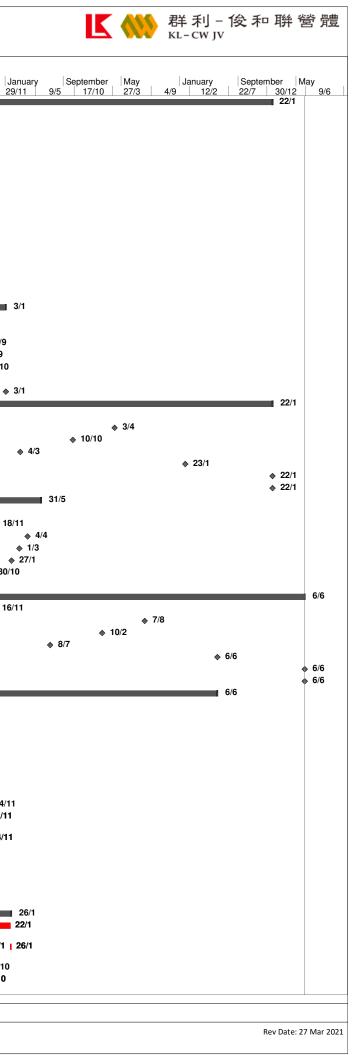
- (A) Exceedance Report for Air Quality (NIL in the reporting month)
- (B) Exceedance Report for Construction Noise (NIL in the reporting month)
- (C) Exceedance Report for Ecology (NIL in the reporting month)

APPENDIX Q TENTATIVE CONSTRUCTION PROGRAMME

KD	Task Name	Duratior	Start	Finish	Actual Start	Actual Finish	Total Slack	Predecessors	Successors	Comple	Mov	larur	0	mbor Mari
												January 5/9 24/2	Septer 3/8	mber May 11/1 21/6
1 2	Contract Dates Starting Date	1956 day 0 days	s Mon 16/9/19 Mon 16/9/19	Wed 22/1/25 Mon 16/9/19	Mon 16/9/19 Mon 16/9/19		<b>0 days</b> 0 days		4,5FS+181 days,6,7,8,9,	<b>36%</b> 1 100%	16/9 • 16/	a	0	0
3	Access Date (cal. dav)	180 days		Sat 14/3/20	Mon 16/9/19		0 days		4,5F3+101 uays,0,7,0,9,	100%	T	14/3		
4	Portion A-1	0 days	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19		0 days	2		100%	16/	9		
5	Portion A-2	0 days	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19	0 days	2FS+181 days		100%	 16/			
6	Portion C-1A	0 days	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19		0 days	2		100%	 16/			
7	Portion C-1B	0 days	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19		0 days	2		100%	 16/			
3 9	Portion C-2A Portion C-2B	0 days 0 days	Mon 16/9/19 Mon 16/9/19	Mon 16/9/19 Mon 16/9/19	Mon 16/9/19 Mon 16/9/19		0 days 0 days	2		100% 100%	 ♦ 16/ ♦ 16/			
0	Portion C-2C	0 days 0 days	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19		0 days	2		100 %	 16/ 16/			
1	Portion C-2D	0 days	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19		0 days	2		100%	 16/			
2	Portion C-3	0 days	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19		0 days	2		100%	16/	9		
3	Portion C-4	0 days	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19	0 days	2		100%	16/			
4	Portion C-5	0 days	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19		0 days	2		100%	 16/			
5	Portion C-6	0 days	Sat 14/3/20	Sat 14/3/20	Sat 14/3/20		0 days	2FS+181 days	436,411	100%	 40/0 40/	14/3		
6 7	Works Area WA1 Works Area WA2-A	1 day	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19		0 days	2		100% 100%	 16/9 16/9 16/9 16/9			
7 8	Key Date (cal. day)	1 day	Mon 16/9/19 Tue 17/9/19	Mon 16/9/19 Mon 3/1/22	Mon 16/9/19 Tue 17/9/19		0 days <b>0 days</b>	2		100% 45%	 17/9	,	<b>A</b>	]
9	KD1A (525 days after starting date)		Tue 17/9/19	Mon 22/2/21	Tue 17/9/19		0 days	2FS+1 day	55	63%	 17/5			
0	KD2A (660 days after starting date)	,	Tue 17/9/19	Wed 7/7/21	Tue 17/9/19		0 days	2FS+1 day	61	50%			•	↓ -=/-
1	KD3A (740 days after starting date)		Tue 17/9/19	Sat 25/9/21	Tue 17/9/19		-119.5 days		67	42%			$\mathbf{O}$	♦ 2
2	KD3B (725 days after starting date)		Tue 17/9/19	Fri 10/9/21	Tue 17/9/19	) NA	-111.5 days	2FS+1 day	73	42%			•	♦ 10
3	KD3C (750 days after starting date)		Tue 17/9/19	Tue 5/10/21	Tue 17/9/19		,		78	41%			•	• !
4	KD3D (660 days after starting date)	,	Tue 17/9/19	Wed 7/7/21	Tue 17/9/19		-118.5 days		83	47%			•	♦ 7/7
5	KD3E (840 days after starting date)		Tue 17/9/19	Mon 3/1/22	Tue 17/9/19		,	2FS+1 day	88	37%	17/0		•	4
6 7	Completion Date (cal. day) Section 1 of Works (675 days after starting date)		s Tue 17/9/19 Tue 17/9/19	Wed 22/1/25 Thu 22/7/21	Tue 17/9/19 Tue 17/9/19		<b>0 days</b> 0 days	2FS+1 day	93	<b>29%</b> 82%	17/9		•	• 22/7
8	Section 2 of Works (1,295 days after starting date)		Tue 17/9/19	Mon 3/4/23	Tue 17/9/19		0 days 0 days	2FS+1 day	99	25%				ĭ ▼ 22/1
9	Section 3 of Works (1,120 days after starting date)		5 Tue 17/9/19	Mon 10/10/22	Tue 17/9/19		-121.5 days		105	28%				1
0	Section 4 of Works (900 days after starting date)		Tue 17/9/19	Fri 4/3/22	Tue 17/9/19	) NA	,	2FS+1 day	111	35%			•	4
1	Section 5 of Works (1,590 days after starting date)	1590 days	s Tue 17/9/19	Tue 23/1/24	Tue 17/9/19	) NA	-123.5 days	2FS+1 day	32,33,117	20%			•	1
2	Defect Liability Period		Wed 24/1/24	Wed 22/1/25	NA		0 days	31		0%				
3	Soft Landscape Establishment Works		Wed 24/1/24	Wed 22/1/25	NA		0 days	31		0%				0/0
4 <mark>*</mark> 5 KD1A	Planned Completion - Key Date (cal. day) KD1A (525 days after starting date)	0 days	Wed 8/9/21 Wed 8/9/21	Tue 31/5/22 Wed 8/9/21	NA NA		-198 days	53FF,246FF,460FF		<b>0%</b>				8/9
6 KD2A		0 days 0 days	Thu 18/11/21	Thu 18/11/21	NA NA		-130 days			0%				0,0
7 KD3A		0 days	Mon 4/4/22	Mon 4/4/22	NA			65FF,267FF		0%				
8 KD3B		0 days	Tue 1/3/22	Tue 1/3/22	NA			71FF,288FF		0%				
9 KD3C	KD3C (750 days after starting date)	0 days	Thu 27/1/22	Thu 27/1/22	NA	NA NA	-113.5 days	76FF,301FF		0%				
0 KD3D	· · · · · · · · · · · · · · · · · · ·	0 days	Sat 30/10/21	Sat 30/10/21	NA		-115 days	81FF,329FF		0%				•
1 KD3E	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0 days	Tue 31/5/22	Tue 31/5/22	NA			86FF,314FF,342FF,348FF,354	F	0%				10/11
2 <mark>*</mark> 3 SW1	Planned Completion - Section of the Works (cal. day)	_	s Tue 16/11/21	Fri 6/6/25	NA NA		-116.5 days			<b>0%</b>				16/11
4 SW2	Section 1 of Works (675 days after starting date) Section 2 of Works (1,295 days after starting date)	0 days 0 days	Tue 16/11/21 Mon 7/8/23	Tue 16/11/21 Mon 7/8/23	NA NA			91FF,433FF 97FF,520FF,532FF		0%				
5 SW3	Section 3 of Works (1,120 days after starting date)	0 days	Fri 10/2/23	Fri 10/2/23	NA		,	103FF,170FF,303FF,315FF,33	1	0%				
6 SW4	Section 4 of Works (900 days after starting date)		Fri 8/7/22	Fri 8/7/22	NA		,	109FF,367FF,372FF,376FF,41		0%				
7 SW5	Section 5 of Works (1,590 days after starting date)	0 days	Thu 6/6/24	Thu 6/6/24	NA			115FF,248FF,271FF,291FF,30		0%				
8	Defect Liability Period	365 days	Thu 6/6/24	Fri 6/6/25	NA	NA NA	0 days	47		0%				
9	Soft Landscape Establishment Works		Thu 6/6/24	Fri 6/6/25	NA		0 days			0%				
0	Delaying Events Other than Change of Works Information		rs Tue 23/2/21	Thu 6/6/24	NA		-99.5 days			0%				/2
1 2	Inclement Weather to KD1A		Sat 6/3/21	Thu 24/6/21	NA		-97.5 days		53	0%				6/3 24/6 6/3 21/6
2 3 KD1A	Delay and Disruption of Works before Feb 2021 Delay and Disruption of Works for the month of Feb 2021 (NCE no.165)		Sat 6/3/21 Mon 21/6/21	Mon 21/6/21 Thu 24/6/21	NA NA		-97.5 days		35 35FF	0% 0%				21/6 24/6
		5 days	WOT 2 1/0/2 1	1110 24/0/21	1.		-01.0 uuyo	52	0011	070				21/0 24/0
4	Other Events affected to KD1A	10 days	Tue 23/2/21	Fri 5/3/21	NA		-97.5 days			0%				/2 🛯 5/3
5	Unforeseen Social Activities in Hong Kong in November 2019 (NCE no.	6 days	Tue 23/2/21	Mon 1/3/21	NA	NA NA	-97.5 days	19	56	0%			23	3/2 🛯 1/3
6	0003) Special Arrangement for Work After CNY due to Spread of Novel	4 days	Tue 2/3/21	Fri 5/3/21	NA	NA	-97.5 days	55	52	0%				2/3 5/3
	Coronavirus (PMI no.005)	. aayo					55 days			0 /0			-	
7	Inclement Weather to KD2A		Tue 20/7/21	Thu 4/11/21	NA		-99.5 days			0%				20/7
8	Delay and Disruption of Works before Feb 2021	86.5 days	Tue 20/7/21	Mon 1/11/21	NA	NA NA	-99.5 days	62	59	0%				20/7
9 KD2A	Delay and Disruption of Works for the month of Feb 2021 (NCE no.165)	3 dave	Mon 1/11/21	Thu 4/11/21	NA	NIA	-99.5 days	58	36FF	0%				1/11
	Longy and Disruption of Works for the month of Feb 2021 (NOE 110, 105)	o uays	MOI: 1/11/21	1110 4/11/21	INF		-55.5 uays		0011	0 /0				
0	Other Events affected to KD2A	10 days	Thu 8/7/21	Mon 19/7/21	NA		-99.5 days			0%				8/7 📗 19/7
1	Unforeseen Social Activities in Hong Kong in November 2019 (NCE no.	6 days	Thu 8/7/21	Wed 14/7/21	NA	NA NA	-99.5 days	20	62	0%				8/7 🛯 14/7
2	0003) Special Arrangement for Work After CNY due to Spread of Novel	4 days	Thu 15/7/21	Mon 19/7/21	NA	NA	-99.5 days	61	58	0%				15/7   19/7
	Coronavirus (PMI no.005)	, uuyo	110 10/1/21	MOIT TOTTLE	INF		00.0 uayo	•		0 /0				
3	Inclement Weather to KD3A	89.5 days	Sat 9/10/21	Wed 26/1/22	NA		-99.5 days			0%				9/10
4	Delay and Disruption of Works before Feb 2021	86.5 days	Sat 9/10/21	Sat 22/1/22	NA	NA NA	-99.5 days	68	65	0%				9/10 📕
5 KD3A	Delay and Disruption of Works for the month of Feb 2021 (NCE no.165)	3 days	Sat 22/1/22	Wed 26/1/22	NA	NIA.	-99.5 days	64	37FF	0%				2
USA	Deray and Disruption of Works for the month of Feb 2021 (NGE N0. 105)	o uays	Jai 22/ 1/22	WEU 20/1/22	IN/	NA NA	-33.0 days	τu	orti	U 70				2
6	Other Events affected to KD3A	10 days	Mon 27/9/21	Fri 8/10/21	NA		-99.5 days			0%				27/9 📗 8
7	Unforeseen Social Activities in Hong Kong in November 2019 (NCE no.	6 days	Mon 27/9/21	Mon 4/10/21	NA	NA NA	-99.5 days	21	68	0%				27/9 🛚 4/
	0003)													1

## Executive Summary (Status Date: 20/03/2021)

Status Date: 20 Mar 21



### Comple Bisk Allowan May 68 Fri 8/10/21 Special Arrangement for Work After CNY due to Spread of Novel Tue 5/10/21 NA -99.5 days 67 4 davs NA 64 0% Coronavirus (PMI no.005) 69 89.5 days Thu 16/9/21 Wed 5/1/22 NA -93.5 days 16/9 5/1 Inclement Weather to KD3B NA 0% 70 Delay and Disruption of Works before Feb 2021 86.5 days Thu 16/9/21 Fri 31/12/21 NA NA -93.5 days 73 71 0% 16/9 71 KD3B Delay and Disruption of Works for the month of Feb 2021 (NCE no.165) Fri 31/12/21 Wed 5/1/22 NA NA -93.5 days 70 38FF 0% 3 davs 72 11/9 🛚 15/9 Other Events affected to KD3B 4 days Sat 11/9/21 Wed 15/9/21 NA NA -93.5 davs 0% Special Arrangement for Work After CNY due to Spread of Novel Coronavirus (PMI no.005) 73 Sat 11/9/21 Wed 15/9/21 NA NA -93.5 days 22 70 0% 11/9 15/9 4 days 74 11/10 27/1 89.5 days Mon 11/10/21 NA Inclement Weather to KD3C Thu 27/1/22 NA -93.5 days 0% 11/10 24/1 76 75 Delay and Disruption of Works before Feb 2021 86.5 days Mon 11/10/21 Mon 24/1/22 NA NA -93.5 days 78 0% 76 KD3C Delay and Disruption of Works for the month of Feb 2021 (NCE no. 165) Mon 24/1/22 Thu 27/1/22 NA NA -93.5 days 75 39FF 0% 3 days 6/10 **m** 9/10 77 Other Events affected to KD3C Wed 6/10/21 Sat 9/10/21 NA NA -93.5 days 4 days 0% 78 75 6/10 9/10 Special Arrangement for Work After CNY due to Spread of Novel Wed 6/10/21 Sat 9/10/21 NA NA -93.5 days 23 0% 4 days Coronavirus (PMI no.005) 79 Inclement Weather to KD3D 89.5 days Tue 13/7/21 Thu 28/10/21 NA NA -93.5 days 0% 13/7 28/10 Delay and Disruption of Works before Feb 2021 80 86.5 days Tue 13/7/21 Mon 25/10/21 NA NA -93.5 days 83 81 0% 13/7 25/10 81 KD3D 25/10 | 28/10 NA Delay and Disruption of Works for the month of Feb 2021 (NCE no 165) 3 davs Mon 25/10/21 Thu 28/10/21 NA -93.5 days 80 40FF 0% 82 8/7 🛚 12/7 Other Events affected to KD3D Thu 8/7/21 Mon 12/7/21 4 davs NA NA -93.5 days 0% 83 Special Arrangement for Work After CNY due to Spread of Novel 80 8/7 12/7 4 days Thu 8/7/21 Mon 12/7/21 NA NA -93.5 days 24 0% Coronavirus (PMI no.005) 84 Inclement Weather to KD3E 89.5 days Sat 8/1/22 Sat 30/4/22 NA NA -93.5 days 0% 85 Delay and Disruption of Works before Feb 2021 NA 86 86.5 days Sat 8/1/22 Wed 27/4/22 NA -93.5 days 88 0% 86 KD3E Delay and Disruption of Works for the month of Feb 2021 (NCE no.165) 3 days Wed 27/4/22 Sat 30/4/22 NA NA -93.5 days 85 41FF 0% 87 Other Events affected to KD3E 4 days Tue 4/1/22 Fri 7/1/22 NA NA -93.5 days ٥% 88 Special Arrangement for Work After CNY due to Spread of Novel Fri 7/1/22 NA NA -93.5 days 25 85 0% 4 days Tue 4/1/22 Coronavirus (PMI no.005) 89 4/8 16/11 Inclement Weather to Section 1 of the Works 86.5 days Wed 4/8/21 Tue 16/11/21 NA NA -96.5 days 0% 90 Delay and Disruption of Works before Feb 2021 83.5 days Wed 4/8/21 Fri 12/11/21 NA NA -96.5 days 94 91 0% 4/8 12/11 91 SW1 43FF 12/11 | 16/11 Delay and Disruption of Works for the month of Feb 2021 (NCE no 165) Tue 16/11/21 NA NA -96.5 days 90 3 days Fri 12/11/21 0% 92 Other Events affected to Section 1 of the Works Fri 23/7/21 Tue 3/8/21 23/7 1 3/8 10 days NA NA -96.5 days 0% 93 Unforeseen Social Activities in Hong Kong in November 2019 (NCE no. Fri 23/7/21 Thu 29/7/21 NA NA -96.5 days 27 94 23/7 29/7 6 davs 0% 0003) 94 Special Arrangement for Work After CNY due to Spread of Novel 4 days Fri 30/7/21 Tue 3/8/21 NA NA -96.5 days 93 90 0% 30/7 3/8 Coronavirus (PMI no.005) 95 Inclement Weather to Section 2 of the Works 89.5 days Thu 20/4/23 Mon 7/8/23 NA NA -99.5 days 0% 96 Delay and Disruption of Works before Feb 2021 86.5 days Thu 20/4/23 Thu 3/8/23 NA NA -99.5 days 100 97 0% 97 SW2 NA 44FF Delay and Disruption of Works for the month of Feb 2021 (NCE no. 165) Mon 7/8/23 NA -99.5 days 96 3 days Thu 3/8/23 0% 98 Tue 4/4/23 Wed 19/4/23 NA Other Events affected to Section 2 of the Works 10 days NA -99.5 days 0% 100 99 Unforeseen Social Activities in Hong Kong in November 2019 (NCE no. 6 days Tue 4/4/23 Fri 14/4/23 NA NA -99.5 days 28 0% 0003) 100 Special Arrangement for Work After CNY due to Spread of Novel Sat 15/4/23 Wed 19/4/23 NA NA -99.5 days 99 96 0% 4 davs Coronavirus (PMI no.005) 101 Inclement Weather to Section 3 of the Works 89.5 days Sat 22/10/22 Fri 10/2/23 NA NA -99.5 days 0% 103 102 Delay and Disruption of Works before Feb 2021 86.5 days Sat 22/10/22 Tue 7/2/23 NA NA -99.5 days 106 0% 103 SW3 NA 45FF Delay and Disruption of Works for the month of Feb 2021 (NCE no.165) 3 davs Tue 7/2/23 Fri 10/2/23 NA -99.5 days 102 0% 104 Other Events affected to Section 3 of the Works Tue 11/10/22 Fri 21/10/22 NA -99.5 days 10 days NA 0% 105 Mon 17/10/22 106 Unforeseen Social Activities in Hong Kong in November 2019 (NCE no. Tue 11/10/22 NA 6 days NA -99.5 days 29 0% 0003) 106 Special Arrangement for Work After CNY due to Spread of Novel Tue 18/10/22 Fri 21/10/22 NA NA -99.5 days 105 102 0% 4 days Coronavirus (PMI no.005) 107 Fri 8/7/22 Inclement Weather to Section 4 of the Works 89.5 days Thu 17/3/22 NΔ NA -99.5 days ٥% 108 Delay and Disruption of Works before Feb 2021 86.5 days Thu 17/3/22 Tue 5/7/22 NA NA -99.5 days 112 109 0% 109 SW4 Delay and Disruption of Works for the month of Feb 2021 (NCE no.165) Fri 8/7/22 46FF Tue 5/7/22 NA NA -99.5 days 108 3 days 0% 110 Other Events affected to Section 4 of the Works 10 days Sat 5/3/22 Wed 16/3/22 NA NA -99.5 days 0% 111 112 Unforeseen Social Activities in Hong Kong in November 2019 (NCE no. Sat 5/3/22 Fri 11/3/22 6 days NA NA -99.5 days 30 0% 0003 112 Special Arrangement for Work After CNY due to Spread of Novel Sat 12/3/22 Wed 16/3/22 NA NA -99.5 days 111 108 0% 4 days Coronavirus (PMI no.005) 113 Inclement Weather to Section 5 of the Works 89.5 days Mon 5/2/24 Thu 6/6/24 NA NA -99.5 days 0% 114 Delay and Disruption of Works before Feb 2021 86.5 days Mon 5/2/24 Mon 3/6/24 NA NA -99.5 days 118 115 0% 115 SW5 47FF Delay and Disruption of Works for the month of Feb 2021 (NCE no.165) Thu 6/6/24 NA NA -99.5 days 114 0% 3 davs Mon 3/6/24 116 Other Events affected to Section 5 of the Works 10 days Wed 24/1/24 Sat 3/2/24 NA -99.5 days 0% 117 Unforeseen Social Activities in Hong Kong in November 2019 (NCE no. 6 days Wed 24/1/24 Tue 30/1/24 NA NA -99.5 days 31 118 0% 0003)

Actual Start

Actual Finish

Finish

Duration Start

### Contract No.: DC/2018/06 Contract Title: Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 - Civil Works for Sludge Treatment Facilities and 132kV Primary Substation

ID

KD Task Name

## Executive Summary (Status Date: 20/03/2021)

Successors

Time

Total Slack Predecessors

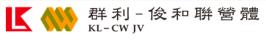
Status Date: 20 Mar 21

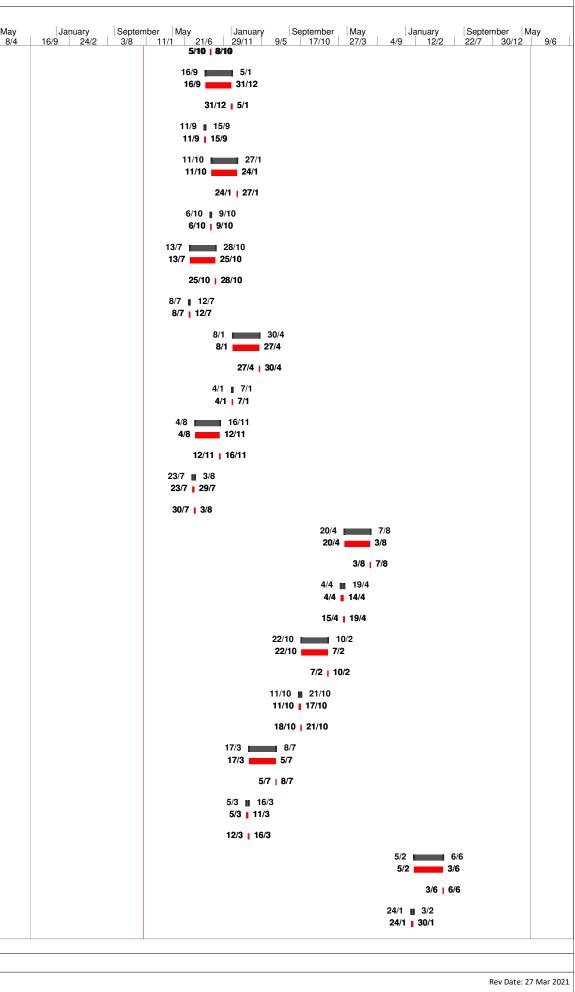
Critical Split Task

Milestone 🔶

Summary

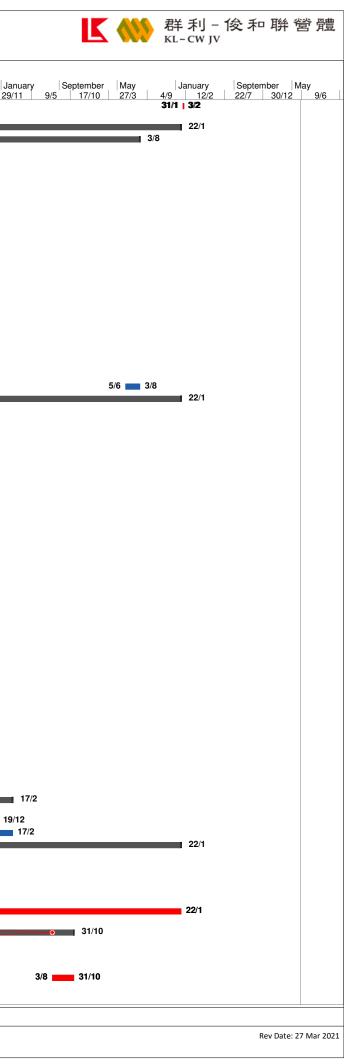
Critical





## Executive Summary (Status Date: 20/03/2021)

									Allowan	May 8/4		eptember May 3/8 11/1	y 21/
Coronavirus (PMI no.005)	4 days	Wed 31/1/24	Sat 3/2/24	NA	NA	,.	117	114	0%				
		Mon 16/9/19 Mon 16/9/19	Mon 22/1/24 Thu 3/8/23	Mon 16/9/19 Mon 16/9/19	NA NA				68% 68%	16/9 16/9		$\leq$	
		Mon 16/9/19	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19		2	122	100%	16/9			-
	,	Mon 16/9/19	Mon 7/10/19	Mon 16/9/19	Mon 7/10/19	,	121	124,126,123,125,133,13			7/10		
1 0	,	Mon 7/10/19	Wed 6/11/19	Mon 7/10/19	Wed 6/11/19	,	122	121,120,120,120,120,100,10	100%		6/11		
	,	Tue 8/10/19	Wed 20/11/19	Tue 8/10/19	Wed 20/11/19	,	122	429	100%	8/10	20/11		
Pumping Station No.1 (NCE no. 3)													
		Tue 22/10/19	Wed 12/2/20	Tue 22/10/19	Wed 12/2/20	,	122	213	100%		0 12/2		
5 0 ( )		Tue 8/10/19	Thu 28/11/19	Tue 8/10/19	Thu 28/11/19		122	127SS+15 days,128SS+		-	28/11		
•		Fri 13/12/19	Fri 3/1/20	Fri 13/12/19	Fri 3/1/20		126SS+15 days	494,257,279,297,310,32		-	3/12   3/1		
	,	Fri 25/10/19	Wed 27/11/19	Fri 25/10/19	Wed 27/11/19		126SS+15 days	131,130,144,136	100%	-	0  27/11		
	,	Wed 30/10/19	Mon 25/11/19 Fri 20/3/20	Wed 30/10/19 Wed 8/1/20	Mon 25/11/19 Fri 20/3/20	,	122 128	231,261,282,299,313,32		30/1	0 25/11 8/1 20/3		
	58 days 60 days	Wed 8/1/20 Mon 1/6/20	Thu 30/7/20	NA	FII 20/3/20 NA	,	128	231,261,282,299,313,32 283,300,314,502,371,34		1	1/6 • 30/	7	
	,	Mon 6/7/20	Thu 3/9/20	NA	NA	,	2	236,239,242,262,315,35		<sup> </sup>	6/7 • 3		
	60 days	Mon 4/1/21	Thu 4/3/21	NA	NA	,	122	247,270,290,303,315,33				4/1 4/3	
	12 days	Thu 20/2/20	Mon 2/3/20	Thu 20/2/20	Mon 2/3/20	,	122	429,135	100%		20/2 2/3		
System no.1 (Diversion)	_ 3090			1110 2012120	10017 210/20	5 days		0,100		1			
	22 days	Wed 15/4/20	Wed 6/5/20	Wed 15/4/20	Wed 6/5/20	0 days	134		100%		15/4 🔳 6/5		
	,	Wed 15/4/20	Wed 6/5/20	Wed 15/4/20	Wed 6/5/20	,	128	472,469,470,471,468	100%	1	15/4 🔳 6/5		
	7 days	Wed 22/4/20	Tue 28/4/20	Wed 22/4/20	Tue 28/4/20		122	436	100%	1	22/4 28/4		
	,	Thu 9/1/20	Thu 20/2/20	Thu 9/1/20	Thu 20/2/20		122	151	100%	1	9/1 20/2		
	,	Mon 5/6/23	Thu 3/8/23	NA	NA	,	122	483	0%	1.0.0			_
		Mon 16/9/19	Mon 22/1/24	Mon 16/9/19	NA	•		0.50	62%	16/9			_
	1 day	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19	Mon 16/9/19	,	2	253	100%	16/9			
	,	Mon 16/9/19	Thu 6/8/20	Mon 16/9/19	NA	,	2	253	90%	16/9 20/9			
Prepare, submit & approve the layout plan of the Temporary Site accommodation	51 days	Fri 20/9/19	Thu 6/8/20	Fri 20/9/19	NA	0 days	2	213	90%	20/9	<b>●</b>	,	
	207 days	Thu 24/10/19	Sun 21/6/20	Thu 24/10/19	Sun 21/6/20	0 days	128	231,261,282,299,313,32	4 100%	24/1	0 21/6		
	,	Tue 21/4/20	Tue 16/6/20	Tue 21/4/20	Tue 16/6/20		2	146,429	100%		21/4 16/6		
	13 days	Wed 17/6/20	Mon 29/6/20	Wed 17/6/20	Mon 29/6/20	0 days	145	429	100%		17/6 🛯 29/6		
TTA Management	348 davs	Mon 16/9/19	Fri 28/8/20	Mon 16/9/19	NA	439 days			85%	16/9	<u>⊘</u> =⊂2	28/8	
	,	Mon 16/9/19	Mon 29/6/20	Mon 16/9/19	NA			521	99%	16/9			
	,	Mon 7/10/19	Thu 16/7/20	Mon 7/10/19	NA		2FS+21 days		80%	7/10	<u>○ 16/7</u>		
Prepare TTA Plan, submit & approve for footpath for Stage 1 - Drainage Diversion	67 days	Mon 16/9/19	Thu 21/11/19	Mon 16/9/19	Thu 21/11/19		2	429	100%	16/9	21/11		
Prepare TTA Plan, submit & approve for carriageway at San Wan Road for CLP 13kV substation	45 days	Wed 15/7/20	Fri 28/8/20	Wed 15/7/20	NA	439 days	138	523	0%		15/7 🗨 2	8/8	
Environmental Aspect Submissions	332 days	Mon 16/9/19	Wed 12/8/20	Mon 16/9/19	NA	0 days	2		98%	16/9		2/8	
	1 day	Wed 18/9/19	Wed 18/9/19	Wed 18/9/19	Wed 18/9/19	,	2	253	100%	18/9			
	1 day	Wed 18/9/19	Wed 18/9/19	Wed 18/9/19	Wed 18/9/19	,	2	253	100%	18/9			
Apply & approve for a Billing Account for Disposal of Construction Waste		Wed 18/9/19	Wed 18/9/19	Wed 18/9/19	Wed 18/9/19	,	2	253	100%	18/9			
		Thu 9/1/20	Mon 3/8/20	Thu 9/1/20	NA		2	253	90%		9/1 📕 💮 🛞 3/8	$\sim$	
		Fri 20/9/19	Fri 20/9/19	Fri 20/9/19	Fri 20/9/19	,	2	253	100%		20/9		
•	,	Mon 16/9/19	Tue 14/1/20	Mon 16/9/19	Tue 14/1/20		2	159	100%	16/9	14/1	10	
	,	Tue 14/1/20	Wed 12/8/20	Tue 14/1/20 Mon 16/9/19	NA		158	253	80% 100%	16/0	14/1 <b></b> ⊛ <mark>⊲12</mark> ∎ 24/9	<u>, u</u>	
	9 days	Mon 16/9/19 Tue 24/9/19	Tue 24/9/19 Fri 29/5/20	Mon 16/9/19 Tue 24/9/19	Tue 24/9/19 Fri 29/5/20		2	253	100%	24/9			
	249 days 9 days	Mon 16/9/19	Tue 24/9/19	Mon 16/9/19	Tue 24/9/19		2	163	100%		29/5		
		Tue 24/9/19	Tue 21/1/20	Tue 24/9/19	Tue 24/3/19 Tue 21/1/20		162	253	100%		21/1		
		Mon 16/9/19	Mon 30/9/19	Mon 16/9/19	Mon 30/9/19		2	165	100%	-	30/9		
		Mon 30/9/19	Wed 6/11/19	Mon 30/9/19	Wed 6/11/19		164	253	100%	-	6/11		
		Mon 16/9/19	Fri 3/4/20	Mon 16/9/19	Fri 3/4/20		2	167	100%	16/9			
		Fri 20/12/19	Mon 3/8/20	Fri 20/12/19	NA		166	429	90%	2	0/12	$\leq$	
Prepare, submit & approve for the FSD submissions for CLP 132kV Substation	90 days	Sat 20/11/21	Thu 17/2/22	NA	NA	357.5 days			0%				20
	30 days	Sat 20/11/21	Sun 19/12/21	NA	NA	357.5 days		170	0%	1			20
		Mon 20/12/21	Thu 17/2/22	NA	NA	,	169	45FF	0%	1			
		Mon 16/9/19	Mon 22/1/24	Mon 16/9/19	NA	,			36%	16/9	<b>●</b>		
		Fri 4/10/19	Tue 14/4/20	Fri 4/10/19	Tue 14/4/20	-	2	210	100%	4/10	14/4		
Prepare and submit and approve the Method Statement of Erection of the	26 days	Mon 16/9/19	Fri 11/10/19	Mon 16/9/19	Fri 11/10/19	0 days	2	210	100%	16/9	11/10		
protective fencing Prepare and submit and approve the Method Statement of Tree felling,	74 days	Fri 11/10/19	Mon 23/12/19	Fri 11/10/19	Mon 23/12/19	0 days	2	210,252	100%	11/10	23/12		
Preservation, Prunning works & Transplanting	,	Mon 16/9/19	Mon 22/1/24	Mon 16/9/19	NA	•	2		20%	16/9			
						5 00,0							
	-	Fri 20/9/19	Mon 31/10/22	Fri 20/9/19	NA	0 days			64%	20/9			
		Thu 26/9/19	Fri 17/1/20	Thu 26/9/19	Fri 17/1/20		2	223	100%	26/9			
Prepare, submit & approve for commencement of Works near MTRCL	43 days	Fri 20/9/19	Fri 1/11/19	Fri 20/9/19	Fri 1/11/19	0 days	2	491	100%	20/9	1/11		
protection zone at Sun Wan Road from MTRCL	00 day-	Mod 2/0/00	Mon 21/10/00	A1A	<b>K</b> 1A	0 daur		170 170 101 10000 101	00/	1			
Prepare, submit & approve for commencement Works along the riverbank by DSD	90 days	Wed 3/8/22	Mon 31/10/22	NA	NA	0 days		478,479,481,480FS+124 days	0%	1			
	506 days	Mon 16/9/19	Tue 2/2/21	Mon 16/9/19	NA	198 days			81%	16/9	•	2/2	
													ŝ

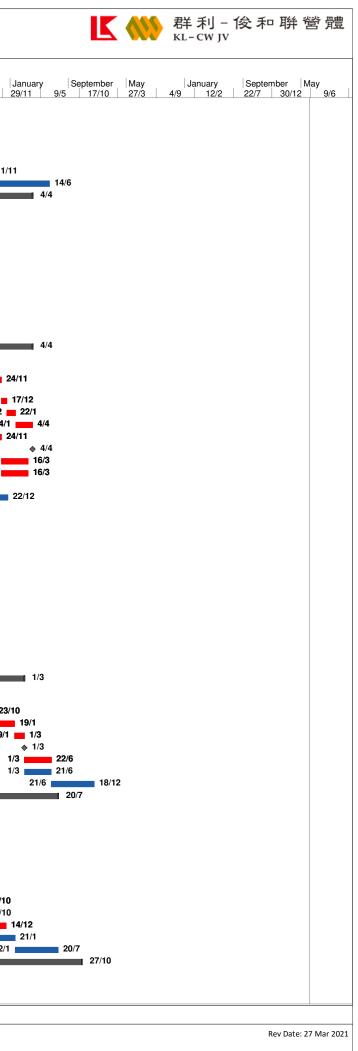


WORKS IOF	Sludge Treatment Facilities and 132kV Primary Substation										
KD Ta	ask Name	Duration	Start	Finish	Actual Start A	ctual Finish	Total Slack	Predecessors		% Time Comple Risk Allowan	an May January September May January September May January September
	Prepare and submit the Procurement Procedure	34 days	Mon 16/9/19	Sat 19/10/19	Mon 16/9/19	Sat 19/10/19	0 days	2	182	100%	8/4 16/9 24/2 3/8 11/1 21/6 29/11 9/5 17/10 27/3 4/9 12/2 22/7 30/ 16/9 19/10
	•	,	Sat 19/10/19	Sat 19/10/19	Sat 19/10/19	Sat 19/10/19	0 days	181	183,200,204,205,206,207	100%	♦ 19/10
	Pipe works material	408 days	Fri 8/11/19	Sat 19/12/20	Fri 8/11/19	NA		182		78%	8/11 19/12
			Tue 12/11/19	Thu 28/5/20	Tue 12/11/19	Thu 28/5/20	)-	2	185	100%	
			Thu 28/5/20 Fri 8/11/19	Sat 19/12/20 Mon 25/11/19	Thu 28/5/20 Fri 8/11/19	Sat 19/12/20 Mon 25/11/19		184 185	186 428.429	100% 100%	28/5 19/12
			Mon 16/12/19	Tue 18/8/20	Mon 16/12/19	NOI 25/11/19	0 days 127 days	00	428,429	29%	
			Thu 19/12/19	Tue 17/3/20	Thu 19/12/19	Tue 17/3/20	0 days	2	189	100%	19/12 17/3
			Tue 17/3/20	Tue 14/4/20	Tue 17/3/20	Tue 14/4/20	0 days	188	190	100%	17/3 14/4
			Wed 18/12/19	Tue 21/1/20	Wed 18/12/19	Tue 21/1/20		189	471	100%	♦ 21/1
			Tue 21/1/20	Tue 26/5/20	Tue 21/1/20	Tue 26/5/20		2FS+120 days	192	100%	21/1 26/5
			Tue 26/5/20 Fri 8/5/20	Tue 16/6/20 Mon 8/6/20	Tue 26/5/20 Fri 8/5/20	Tue 16/6/20 Mon 8/6/20	0 days 0 days	191 192	193 470,471	100% 100%	26/5 <b>■</b> 16/6
			Fri 1/5/20	Fri 8/5/20	Fri 1/5/20	Fri 8/5/20		2	195	100%	1/5 8/5
			Sat 9/5/20	Wed 5/8/20	Sat 9/5/20	Wed 5/8/20		194	196	100%	9/5 5/8
		90 days	Wed 5/8/20	Tue 3/11/20	NA	NA	-	195	468	0%	5/8 🛛 3/11
	Prepare & submit mild steel steel pipe material particular	1 day	Thu 19/12/19	Thu 19/12/19	Thu 19/12/19	Thu 19/12/19	0 days	2	198	100%	19/12   19/12
			Thu 19/12/19	Sat 18/1/20	Thu 19/12/19	Sat 18/1/20	0 days	197	199	100%	19/12 18/1
	· · · · · · · · · · · · · · · · · · ·		Mon 9/12/19	Sat 30/5/20	Mon 9/12/19	Sat 30/5/20	0 days	198	468	100%	9/12 30/5
			Wed 16/10/19	Mon 3/8/20	Wed 16/10/19	Mon 3/8/20 Sat 1/8/20	0 days	182 255+60 days	202	100% 100%	16/10 3/8 16/10 1/8
	•	,	Wed 16/10/19 Fri 6/12/19	Sat 1/8/20 Sat 1/8/20	Wed 16/10/19 Fri 6/12/19	Sat 1/8/20 Sat 1/8/20		2FS+60 days 201	202 203	100% 100%	
			Tue 4/2/20	Mon 3/8/20	Tue 4/2/20	Mon 3/8/20		202	502,412,376,371,366,360	100%	4/2 3/8
	material										
			Fri 5/6/20	Mon 15/6/20	Fri 5/6/20	Mon 15/6/20	0 days	182	283,300,314,502	100%	5/6 15/6
			Fri 6/12/19	Tue 2/6/20	Fri 6/12/19	Tue 2/6/20	0 days	182	283,300,314,502	100%	6/12 2/6 11/5
	1 2 11		Mon 11/5/20 Mon 4/1/21	Tue 9/6/20 Tue 2/2/21	NA	NA NA	,	206,182	207,283,300,314,502 247,270,290,303,315,331	0% 0%	4/1 2/2
S			s Mon 16/9/19	Thu 8/10/20	Mon 16/9/19	Thu 8/10/20	,	200,102	241,210,200,000,010,001	100%	16/9 8/10
	•		Thu 21/11/19	Tue 26/11/19	Thu 21/11/19	Tue 26/11/19		2	210	100%	21/11   26/11
	Hoarding Erection at Portion C	0 days	Wed 27/11/19	Sat 29/2/20	Wed 27/11/19	Sat 29/2/20	0 days	209,172,173,174,211,129		100%	♦ 29/2
			Sun 15/12/19	Mon 30/12/19	Sun 15/12/19	Mon 30/12/19	,	182	210	100%	15/12 🛛 30/12
			Mon 16/9/19	Mon 30/12/19	Mon 16/9/19	Mon 30/12/19		2	213FF	100%	16/9 30/12
* 0			Thu 6/8/20	Thu 8/10/20	Thu 6/8/20	Thu 8/10/20		143,212FF,125		100%	6/8 8/10 16/9 16/9 16/1
*			Mon 16/9/19 Mon 16/9/19	Sat 16/11/24 Tue 14/6/22	Mon 16/9/19 Mon 16/9/19		0 days 480 days			16% 58%	16/9
	, ,		Mon 16/9/19	Tue 4/2/20	Mon 16/9/19	Tue 4/2/20				100%	16/9 4/2
			Mon 16/9/19	Mon 14/10/19	Mon 16/9/19	Mon 14/10/19	-	2	218	100%	16/9 14/10
		6 days	Tue 15/10/19	Sun 20/10/19	Tue 15/10/19	Sun 20/10/19		217	219	100%	15/10 20/10
			Tue 15/10/19	Sat 19/10/19	Tue 15/10/19	Sat 19/10/19	0 days	218	220	100%	15/10 I 19/10
			Mon 14/10/19		Mon 14/10/19	Tue 5/11/19		219	221,224	100%	
			Tue 10/12/19		Tue 10/12/19	Tue 10/12/19			223,222	100%	10/12   10/12 30/11 <b>4</b> /1
	Additional Liaison and diversion of HyD Street Light Cables (NCE no. 0007)	28 days	Sat 30/11/19	Sat 4/1/20	Sat 30/11/19	Sat 4/1/20	0 days	221	223	100%	3011 41
	Removal of Existing Street light and Provision of Temporary Street light	8 days	Thu 23/1/20	Tue 4/2/20	Thu 23/1/20	Tue 4/2/20	0 days	177,221,222	428	100%	23/1 4/2
	(PMI no.005, NCE no. 0022)	10.1		T 10/10/10				000	005	10001	
			Wed 27/11/19 Thu 19/12/19	Tue 10/12/19 Thu 19/12/19	Wed 27/11/19 Thu 19/12/19	Tue 10/12/19	0 days	220	225 227,226	100% 100%	27/11 10/12 19/12 19/12
	Sheetpile Installation (FSP IV, 2200sq.m, 1 Rig)- stage 1 (NCE no. 18A, 22 &		Sat 4/1/20	Wed 6/5/20	Sat 4/1/20	Thu 19/12/19 Wed 6/5/20	,	225	228,230	100% 6.5,2.5,8	
	25, 27)	57 uays	Jal 4/ 1/20	Wed 0/5/20	Sat 4/ 1/20	Wed 0/5/20	0 uays	225	220,230	100 /0 0.0,2.0,0	
	Setting up plant for pre-bored socked H-pile Installation	0 days	Mon 4/5/20	Thu 7/5/20	Mon 4/5/20	Thu 7/5/20	0 days	225,228SS-5 days		100%	♦ 7/5
	Pre-bored Socketed H-Pile Installation (34 Nos, 1 Rig, 3days/rig/pile) (NCE	57 days	Thu 7/5/20	Tue 14/7/20	Thu 7/5/20	Tue 14/7/20	0 days	127,431,226	229,321,227SS-5	100% 40	7/5 14/7
	no. 32, 41, 49) Pile Loading Test	26 dave	Wed 15/7/20	Thu 13/8/20	Wed 15/7/20	Thu 13/8/20	0 days	228,311FS+5 days	days,462 340FS+5 days,230	100%	15/7 🔳 13/8
			Fri 14/8/20	Tue 8/9/20	Fri 14/8/20	Tue 8/9/20		229,226	231FS-10 days	100% 17	14/8 8/9
								,	,		
	ELS Works (incl. Strut (4-layers) Installation & Excavation (3,700 cu.m) (NCE no.69)	48 days	Fri 28/8/20	Sat 24/10/20	Fri 28/8/20	Sat 24/10/20	0 days	144,130,129,230FS-10 days	232	100% 8	28/8 24/10
	,	17 days	Mon 26/10/20	Sat 14/11/20	Mon 26/10/20	NA	0 days	231	235	94% 15,2	26/10 💽 14/11
			Mon 16/11/20		Mon 16/11/20		-23 days			58%	16/11 15/7
	• •		Mon 16/11/20		Mon 16/11/20		-23 days	222	000	58% 5	
			Mon 16/11/20	Wed 2/12/20	Mon 16/11/20	Wed 2/12/20		232	236	100%	16/11 = 2/12 3/12 = -27/1
	Walls and Slabs Construction @-1.10mPD to +2.50mPD [CHAX puddle (DN 1200 -> DN1600) (NCE no.0038)] (NCE no. 46, 100)	40 days	Thu 3/12/20	Wed 27/1/21	Thu 3/12/20	Wed 27/1/21	0 days	235,132	238SS+30 days	100%	3/12 👩 27/1
	· · ·		Mon 11/1/21	Wed 24/3/21	Mon 11/1/21	Wed 24/3/21		00000.00.1	000	100% 5	
			Mon 11/1/21	Wed 27/1/21	Mon 11/1/21	Wed 27/1/21		236SS+30 days	239 24155±14 days 432.466	100% 100% 33	11/1 27/1 28/1 22/3
	Walls and Slabs Construction @+1.5mPD to +4.9mPD [Additional CHA & CHL puddle (DN350), Additional CHLA puddle (DN150)	+o days	111u 20/1/21	Wed 24/3/21	Thu 28/1/21	Wed 24/3/21	0 days	238,132	241SS+14 days,432,466	100% 33	201 2413
	NCE no.0038], (NCE no. 46, 100, 108, 115,120,165)										
	Below Ground Level Stage no.3 @ +3.80mPD	97 days	Wed 17/2/21	Thu 17/6/21	Wed 17/2/21	NA	0 days			28% 5	17/2 17/6
	Base slab Construction (15 sq.m + 40 sq.m) (NCE no. 0083,114)			Fri 19/3/21	Wed 17/2/21	Fri 19/3/21		239SS+14 days	242	100% 14	17/2 🔳 19/3
		50 d	0-1-00/0/01				140 1	120.044	042.045	00/ 04	20/2 2/6
	Walls and Slabs Construction @+3.80mPD to +7.4mPD [CHAW puddle (DN1200-> DN1400), CHBA puddle (DN300), CHAY puddle (DN700 -> DN800) (NCE no.0038)], (NCE no. 46, 100, 120, 130)	oð days	Sat 20/3/21	Wed 2/6/21	NA	NA	-116 days	132,241	243,245	0% 21	20/3 2/6
	Critical Split		Milestone	•	Summary	C	itical	I			

										Comple Risk Allowan	h May January September 8/4 16/9 24/2 3/8 11/1	May
	•	12 days	Thu 3/6/21	Thu 17/6/21	NA	NA	0 days	242		0%	3/	6 📕 17/
	Ŭ,	35 days	Thu 3/6/21	Thu 15/7/21	NA	NA	-116 days			0% 4		
KD1A	Walls, Slabs and staircase Construction @+7.4mPD to 16.4mPD [Additional SP1-3 puddle (DN100 x 2 & DN80) (NCE.0038)], [NCE no. 46], [NCE no.100]	35 days	Thu 3/6/21	Thu 15/7/21	NA	NA	-116 days	242	246,247	0%	3/	6 💻 1
KD1A		0 days	Thu 15/7/21	Thu 15/7/21	NA	NA	47 days	245	35FF	0%		٠ 🔶
SW1 SW5	ABWF Works & BS Works & Apply Internal Anti-corrosion Protective Lining		Fri 16/7/21	Mon 1/11/21	NA	NA		207,133,245	248	0%	1	16/7
SW5			Tue 2/11/21	Tue 14/6/22	NA	NA		247	47FF	0%	7/10	2
*			Sat 7/12/19	Mon 4/4/22 Fri 13/12/19	Sat 7/12/19	NA	534 days	25105		<b>38%</b> 100%	7/12	
	· · ·		Sat 7/12/19 Sat 14/12/19	Fri 20/12/19	Sat 7/12/19 Sat 14/12/19	Fri 13/12/19 Fri 20/12/19	0 days 0 days	251SF 253SF	250SF	100%	14/12 20/12	
			Fri 24/4/20	Tue 15/9/20	Fri 24/4/20	Tue 15/9/20	0 days	174	261FS-8 days	100%	24/4 15/9	
			Sat 28/12/19	Thu 9/1/20	Sat 28/12/19	Thu 9/1/20	0 days	126,141,142,153,154,155,157		100%	28/12 9/1	
			Thu 19/12/19	Thu 19/12/19	Thu 19/12/19	Thu 19/12/19	0 days	253	257	100%	♦ 19/12	
	Sheetpile Installation- stage 1	24 days	Wed 15/1/20	Fri 7/2/20	Wed 15/1/20	Fri 7/2/20	0 days			100%	15/1 🔳 7/2	
		6 days	Mon 3/2/20	Sat 8/2/20	Mon 3/2/20	Sat 8/2/20	0 days		257	100%	3/2 8/2	
	Pre-bored Sockedted H-Pile Installation (127nos, 3rig, 3days/rig/pile) (NCE	69 days	Sat 8/2/20	Fri 5/6/20	Sat 8/2/20	Fri 5/6/20	0 days	127,254,259SS+20 days,256	258,411	100% 6	8/2 5/6	
_	no. 18A,25) Pile Loading Test	26 days	Fri 7/8/20	Sat 5/9/20	Fri 7/8/20	Sat 5/9/20	0 days	257,340SS+10 days	261	100%	7/8 🗾 5/9	
	Sheetpile Installation- stage 2 (NCE no. 10, 24, 27, 32, 33, 40, 41, 49, 55, 69)			Mon 7/12/20	Mon 4/5/20	Mon 7/12/20	0 days	253	257SS+20 days,312FS+8 days,261	100%	4/5	
	Construction of Digestors	421 days	Tue 3/11/20	Mon 4/4/22	Tue 3/11/20	NA	0 days			16%	3/11	
	ELS Works (incl. Strut (4-layers) Installation & Excavation (17,600 cu.m)) (NCE no.92,131,165)			Thu 11/3/21	Tue 3/11/20	Thu 11/3/21	0 days	144,130,258,129,252FS-8 days,259	262	100% 2,3	3/11 • 11	1/3
	Construction of Digesters Tank no.1,2,3,4 & external waterproofing works (NCE no. 110)			Wed 24/11/21	NA	NA	0 days	261,203,132	263,266SS+180 days	0% 30	12/3 💻	_
-			Thu 25/11/21	Fri 17/12/21	NA	NA	0 days	262	264	0%	-	2
KD3A		28 days 58 days	Sat 18/12/21 Mon 24/1/22	Sat 22/1/22 Mon 4/4/22	NA	NA NA	0 days 0 days	263 264	265 267	0% 0%		
NUJA		58 days 78 days	Wed 8/9/21	Wed 24/11/21	NA	NA	0 days 0 days	262SS+180 days	268,269	0%	-	8/9
KD3A		0 days	Mon 4/4/22	Mon 4/4/22	NA	NA	0 days	265	37FF	0%		
			Thu 25/11/21	Wed 16/3/22	NA	NA	0 days	266		0%		:
		90 days	Thu 25/11/21	Wed 16/3/22	NA	NA	0 days	266		0%		
SW3	ABWF Works & BS Works, incl. External Linning	90 days	Fri 5/3/21	Fri 25/6/21	NA	NA	382 days	207,133	271	0%		2
SW5			Sat 26/6/21	Wed 22/12/21	NA	NA	762 days	270	47FF	0%	26	6/6
*			Tue 26/11/19	Wed 9/11/22	Tue 26/11/19	NA Map 2/12/10	357 days	2	074	<b>47%</b>	26/11 2/12	
	Site Clearance & Site Set Up Predrilling Works (39no.4rig, 3days/drillhole/rig)(additional length NCE no.10)	6 days 20 days	Tue 26/11/19 Thu 28/11/19	Mon 2/12/19 Fri 20/12/19	Tue 26/11/19 Thu 28/11/19	Mon 2/12/19 Fri 20/12/19	0 days 0 days	2 126,273	274 276,275	100% 100%	28/11 22/12	
	Additional Predrilling Works (11no.)	8 days	Mon 23/12/19	Mon 30/12/19	Mon 23/12/19	Mon 30/12/19	0 days	274	276	100%	23/12   30/12	
		4 days	Fri 10/1/20	Tue 14/1/20	Fri 10/1/20	Tue 14/1/20	0 days	274,275	281FS-3 days,277	100%	10/1   14/1	
	<b>3</b> ( ) , , , , , , , , , , , , , , , , , ,	52 days	Wed 15/1/20	Fri 6/3/20	Wed 15/1/20	Fri 6/3/20	0 days	276	279,278	100%	15/1 6/3	
	• • • • •	5 days	Sat 7/3/20	Thu 12/3/20	Sat 7/3/20	Thu 12/3/20	0 days	277	279,409SS-14 days	100%	7/3   12/3	
	Pre-bored Socketed H-Pile Installation (202 Nos, 4 Rig, 3days/rig/pile) (NCE no. 18A, 25, 27 & 32) Pile Loading Test		Fri 13/3/20 Tue 30/6/20	Fri 5/6/20 Thu 23/7/20	Fri 13/3/20 Tue 30/6/20	Fri 5/6/20 Thu 23/7/20	0 days 0 days	127,278,277 279	309,280 282	100% 24 100%	13/3 5/6 30/6 23/7	
			Tue 3/12/19	Mon 30/11/20	Tue 3/12/19	Mon 30/11/20	0 days	276FS-3 days	411,282	100% 56	3/12	
	ELS Works (incl. Strut (3-layers) Installation & Excavation (25,000 cu.m)) (NCE no. 165)	62 days	Fri 30/10/20	Wed 24/3/21	Fri 30/10/20	Wed 24/3/21	0 days	144,130,280,129,281	283,284,468,469,470,472	100% 10,2	30/10 🗨 📃 2	.4/3
		276 days	Wed 24/3/21	Tue 1/3/22	Wed 24/3/21	NA	-118.5 days	204,205,206,131,282,203	290,289	4% 10	24/3	
	Basement Consturction & external waterproofing works (NCE no. 110)	100 days	Wed 24/3/21	Wed 28/7/21	Wed 24/3/21	NA	-118.5 days	282	285	10% 30	24/3 💻	
	<b>e</b> .		Wed 28/7/21	Sat 23/10/21	NA		-118.5 days		286	0%		28/7
VDCT			Sat 23/10/21	Wed 19/1/22	NA		-118.5 days		287	0%		23
KD3B KD3B	ů,		Wed 19/1/22 Tue 1/3/22	Tue 1/3/22	NA NA	NA	-118.5 days	286 287	389,288 38FF	0%		
UD3R			Tue 1/3/22 Tue 1/3/22	Tue 1/3/22 Wed 22/6/22	NA	NA NA	0 days 0 days	287	JOFF	0%	-	
SW3			Tue 1/3/22	Tue 21/6/22	NA	NA		283,207,133	291	0%		
SW5			Tue 21/6/22	Sun 18/12/22	NA	NA	401.5 days		47FF	0%	-	
*			Tue 10/12/19	Wed 20/7/22	Tue 10/12/19	NA	450 days			14%	10/12	
	· ·		Tue 10/12/19	Mon 16/12/19	Tue 10/12/19	Mon 16/12/19	0 days	2,294SF		100%	10/12   16/12	
			Tue 10/12/19	Sat 28/12/19	Tue 10/12/19	Sat 28/12/19	0 days	126FS+28 days	295,293SF	100%		
	,	4 days	Fri 3/1/20	Tue 7/1/20	Fri 3/1/20	Tue 7/1/20	0 days	294	297	100%	3/1   7/1	
		6 days 77 days	Wed 8/1/20 Wed 15/1/20	Tue 14/1/20 Tue 21/4/20	Wed 8/1/20 Wed 15/1/20	Tue 14/1/20 Tue 21/4/20	0 days 0 days	127,295,296,494	297 298	100% 100% 6	8/1 14/1 15/1 21/4	
	Pile Loading Test	4 days 85 days	Wed 29/7/20 Mon 3/8/20	Sat 1/8/20 Thu 12/11/20	Wed 29/7/20 NA	Sat 1/8/20 NA	0 days 0 days	297 144,130,298,129	299 300	100% 0% 10	29/7   1/8 3/8 • 12/11	
KD3C			Fri 13/11/20	Mon 4/10/21	NA	NA	0 days	204,205,206,131,299,203	302,303,301,379	0% 10	13/11	
KD3C		1 day	Tue 5/10/21	Tue 5/10/21	NA	NA	93.5 days	300	39FF	0%		5/
	Drainage System (within Bldg/ Structure) Installation	60 days	Tue 5/10/21	Tue 14/12/21	NA	NA	0 days	300		0%		5/
SW3	ABWF Works & BS Works & Apply Internal Anti-corrosion Protective Lining		Tue 5/10/21	Fri 21/1/22	NA	NA	209 days	300,207,133	304,45FF	0%		5/
SW5	, i i i i i i i i i i i i i i i i i i i		Sat 22/1/22	Wed 20/7/22	NA	NA	552 days	303	47FF	0%	15/11	
×			Fri 15/11/19	Thu 27/10/22	Fri 15/11/19	NA	368 days	2	207	<b>27%</b>		
	·	14 days 0 days	Fri 15/11/19 Mon 2/12/19	Sat 30/11/19 Mon 30/12/19	Fri 15/11/19 Mon 2/12/19	Sat 30/11/19 Mon 30/12/19	0 days 0 days	2 126FS+14 days,306	307 308	100% 100%	15/11 <b>3</b> 0/11 <b>3</b> 0/12	
			Fri 17/4/20	Tue 21/4/20	Fri 17/4/20	Tue 21/4/20	0 days 0 days		000	100%		
'									308		17/4 21/4	

## Executive Summary (Status Date: 20/03/2021)

Status Date: 20 Mar 21



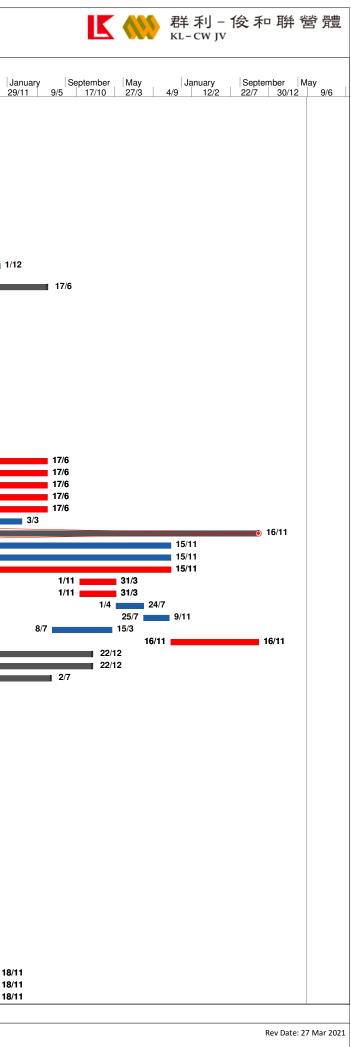
KD											
	Task Name	Duratio	n Start	Finish	Actual Start	Actual Finish	Total Slack	Predecessors		% Time Comple Risk	
										Allowan	h May January September May January September May January September M 8/4 16/9 24/2 3/8 11/1 21/6 29/11 9/5 17/10 27/3 4/9 12/2 22/7 30/12
	Setting up plant for pre-bored socked H-pile Installation	5 days	Tue 21/4/20	Sun 26/4/20	Tue 21/4/20	Sun 26/4/20	,	279	310	100%	21/4 26/4
_	Pre-bored Socketed H-Pile Installation (22 Nos, 1 Rig, 3days/rig/pile)	27 days		Fri 29/5/20	Mon 27/4/20	Fri 29/5/20		127,309	311 312 220ES (E dave 212	100% 6	27/4  29/5 27/6  10/7
-	Pile Loading Test Sheet Pile Installation	11 days 30 days		Fri 10/7/20 Sat 23/1/21	Sat 27/6/20 Thu 17/12/20	Fri 10/7/20 Sat 23/1/21		310,323FS+5 days 311,259FS+8 days	313,229FS+5 days,312 313	100%	17/12 💽 23/1
	ELS Works (incl. Strut (3-layers) Installation & Excavation (1,440 cu.m))	80 days		Thu 6/5/21	Mon 25/1/21	Thu 6/5/21	0 days	144,130,311,129,312	314	100% 10	25/1 6/5
KD3			Fri 7/5/21	Wed 5/1/22	NA	NA		204,205,206,131,342,313,2		0% 10	7/5 5/1
SW3	/3 ABWF Works & BS Works & Apply Internal Anti-corrosion Protective Linin			Sat 30/4/22	NA	NA	,	207,133,314,132	316,45FF	0% 3	6/1 30/4
SW5	(NCE no. 165) /5 Surrounding Site formation works and road works	180 days	Sun 1/5/22	Thu 27/10/22	NA	NA	453 days	315	47FF	0%	1/5 27/10
*	Workshop No. 2		5 Tue 24/12/19	Thu 18/8/22	Tue 24/12/19	NA				20%	24/12 18/8
	Site Clearance & Site Set Up	3 days	Tue 24/12/19	Sat 28/12/19	Tue 24/12/19	Sat 28/12/19	0 days	2	319	100%	24/12   28/12
	Predrilling Works (10no.1rig, 3days/drillhole/rig) (NCE no. 10)	8 days	Thu 2/1/20	Fri 10/1/20	Thu 2/1/20	Fri 10/1/20		126,318	320	100%	2/1 10/1
	Installation of Monitoring Points	4 days	Tue 25/2/20	Fri 28/2/20	Tue 25/2/20	Fri 28/2/20	-	319	322,321	100%	25/2   28/2
	Setting up plant for pre-bored socked H-pile Installation	0 days	Tue 10/3/20	Tue 17/3/20	Tue 10/3/20	Tue 17/3/20	0 days	320,228	322	100%	♦ 17/3 18/3 6/6
	Pre-bored Socketed H-Pile Installation (36 Nos, 2 Rig, 3days/rig/pile) Pile Loading Test	64 days 16 days		Sat 6/6/20 Fri 26/6/20	Wed 18/3/20 Sun 7/6/20	Sat 6/6/20 Fri 26/6/20	0 days 0 days	127,320,321 322,495FS+5 days	323,339 324,311FS+5 days	100% 6 100%	7/6 26/6
	Excavation for Pile Cap (1,800 cu.m) (NCE no. 85,165)	,	Wed 30/12/20	Mon 12/4/21	Wed 30/12/20	NA	-	144,130,323,129	326,468,469,470,472,47		30/12 30/12 30/12
	R.C. Structure		5 Tue 13/4/21	Sat 30/10/21	NA	NA	,	,	020,100,100,110,112,11	0% 10	13/4 30/10
	Ground Floor Construction @ +6.30mpD	64 days		Tue 29/6/21	NA	NA		324,203	327	0%	13/4 29/6
	First Floor Construction @ +13.50mpD	62 days	Wed 30/6/21	Fri 10/9/21	NA	NA	0 days	326	328	0%	30/6 🗾 10/9
KD3		40 days		Sat 30/10/21	NA	NA	,	327	330,331,329	0%	11/9 🗾 30/10
KD3		0 days	Sat 30/10/21	Sat 30/10/21	NA	NA	-	328	40FF	0%	♦ 30/10
SW3	Drainage System (within Bldg/ Structure) Installation	60 days		Wed 12/1/22 Sat 19/2/22	NA	NA NA		328	332.45FF	0% 0%	1/11 <b>1</b> /11 <b>1</b> /1 1/11 <b>1</b> /2
SWS			Mon 1/11/21 Sun 20/2/22	Thu 18/8/22	NA	NA	,	207,133,328 331	47FF	0%	20/2 18/8
*	Thermal Hydrolysis Pretreatment		5 Thu 19/12/19	Wed 15/9/21	Thu 19/12/19	NA				39%	19/12
	Site Clearance & Site Set Up	-	Thu 19/12/19	Sat 11/1/20	Thu 19/12/19	Sat 11/1/20	-	2	335,336	100%	19/12 11/1
	Predrilling Works (3no.1rig, 3days/drillhole/rig) (NCE no. 10)	1 day	Fri 10/1/20	Mon 13/1/20	Fri 10/1/20	Mon 13/1/20	0 days	126FS+24 days,334	337	100%	10/1   13/1
	Additional Predrilling Works (4no.) (NCE no. 12)	1 day	Fri 10/1/20	Mon 13/1/20	Fri 10/1/20	Mon 13/1/20	0 days	334	337	100%	10/1   13/1
	Installation of Monitoring Points	6 days	Fri 1/5/20	Fri 8/5/20	Fri 1/5/20	Fri 8/5/20		335,336	339	100%	1/5    8/5
	Setting up plant for pre-bored socked H-pile Installation	5 days	Tue 12/5/20	Sat 16/5/20	Tue 12/5/20	Sat 16/5/20	0 days	407 007 000 000	339	100%	
	Pre-bored Socketed H-Pile Installation (15 Nos, 1 Rig, 3days/rig/pile) Pile Loading Test	0 days 25 days	Mon 18/5/20 Mon 27/7/20	Sat 20/6/20 Fri 11/9/20	Mon 18/5/20 Mon 27/7/20	Sat 20/6/20 Fri 11/9/20	0 days 0 days	127,337,338,322 339,229FS+5 days	340 341,258SS+10 days	100% 6 100%	18/5 <b>2</b> 0/6 27/7 <b>1</b> 1/9
	Excavation for Pile Cap (160 cu.m)	20 days		Thu 28/1/21	Wed 6/1/21	Thu 28/1/21	0 days	144,130,340,324	342	100%	6/1 28/1
KD3			Fri 29/1/21	Fri 19/3/21	Fri 29/1/21	Fri 19/3/21		341	314,343,41FF	100%	29/1 🗾 19/3
SW5			Sat 20/3/21	Wed 15/9/21	NA	NA	860 days		47FF	0%	20/3 15/9
*	Ferric Chloride Dosing Facilities	374 days	Tue 25/5/21	Thu 25/8/22	NA	NA	0 days			0%	25/5 25/8
	Excavation for Raft Footing (105 cu.m)		Tue 25/5/21	Mon 5/7/21	NA	NA	,-	2	346	0%	25/5 🗾 5/7
	Plate Load Test	18 days		Mon 26/7/21	NA	NA		345	347	0%	6/7 26/7
KD3	R.C. Structure 3E Steel Roof Structure (On-site Fabrication)	66 days	Tue 27/7/21 Fri 15/10/21	Wed 13/10/21 Fri 31/12/21	NA	NA NA		346,131,203 347	348 349,41FF	0% 5 0%	27/7 <b>13</b> /10 15/10 <b>15</b> /12
SW3			Mon 3/1/22	Sat 26/2/22	NA		181 days		350,45FF	0%	3/1 26/2
SW5			Sun 27/2/22	Thu 25/8/22	NA		516 days		47FF	0%	27/2 25/8
ł	Fire Hydrant and Booster Pump Room	329 days	Mon 19/7/21	Thu 25/8/22	NA		50 days			0%	19/7 25/8
	Excavation for Raft Footing (160 cu.m)	10 days	Mon 19/7/21	Thu 29/7/21	NA	NA	50 days	2,358	353,399	0%	19/7 29/7
	Plate Load Test		Fri 30/7/21	Thu 19/8/21	NA			352	354	0%	30/7 19/8
KD3	1 0	60 days		Fri 31/12/21	NA	NA		353,131,360,203,132	355,41FF	0% 5	21/10 31/12
SW3		,	Mon 3/1/22	Sat 26/2/22	NA			354,207,133	356,45FF	0%	3/1 26/2
SW5	/5 Surrounding Site formation works and road works Transformer and Switchroom	,	Sun 27/2/22 Thu 6/5/21	Thu 25/8/22 Thu 9/6/22	NA NA		516 days 40 days	000	47FF	0%	27/2 25/8
	Excavation for Raft Footing (310 cu.m)		Thu 6/5/21	Sat 29/5/21	NA	NA	•	2,384	359,352	0%	6/5 29/5
	Plate Load Test		Mon 31/5/21	Mon 21/6/21	NA			358	360	0%	31/5 21/6
<d3< td=""><td></td><td>60 days</td><td></td><td>Wed 20/10/21</td><td>NA</td><td>NA</td><td>,</td><td>359,131,386,203</td><td>361,354,41FF</td><td>0% 5</td><td>9/8 20/10</td></d3<>		60 days		Wed 20/10/21	NA	NA	,	359,131,386,203	361,354,41FF	0% 5	9/8 20/10
SW3			Thu 21/10/21	Sat 11/12/21	NA			360,207,133	362,45FF	0%	21/10 📩 11/12
SW5	÷	,	Sun 12/12/21	Thu 9/6/22	NA		593 days	361	47FF	0%	12/12 9/6
	Water Meter Cabinet	-	Tue 3/8/21	Wed 27/4/22	NA		35 days	0	0.05	0%	3/8 27/4
	Excavation for Raft Footing (6 cu.m)		Tue 3/8/21	Fri 13/8/21	NA			2	365 366	0% 0%	3/8 13/8 14/8 3/9
	Plate Load Test R.C. Structure	18 days 30 days		Fri 3/9/21 Mon 11/10/21	NA	NA	•	364 365,131,203	367,370	0%	4/9 11/10
SW4			Tue 12/10/21	Fri 29/10/21	NA		101 days		368,46FF	0%3	12/10 29/10
SW5			Sat 30/10/21	Wed 27/4/22	NA		636 days		47FF	0%	30/10 27/4
'	Guard House		Tue 12/10/21	Sun 17/7/22	NA	NA	35 days			0%	12/10 17/7
	Excavation to Formation		Tue 12/10/21	Fri 5/11/21	NA		•	2,366	371	0%	12/10 🔳 5/11
	R.C. Structure		Sat 6/11/21	Fri 10/12/21	NA			131,370,203	372	0% 3	6/11 10/12
SW4 SW5			Sat 11/12/21	Tue 18/1/22 Sun 17/7/22	NA		35 days 555 days	371,207,133	373,46FF 47FF	0% 0%	11/12 <b>1</b> 8/1 19/1 <b>1</b> 7/7
5445	Coolers Pumping Station		Wed 19/1/22 ay Mon 16/9/19	Mon 12/4/21	NA NA		555 days 526 days	012	9/1 F	0%	16/9
	Excavation for Raft Footing (185 cu.m)		Mon 16/9/19	Sat 2/11/19	NA		526 days	2	376,394	0%	16/9 <b>— 2/11</b>
SW4			Mon 3/8/20	Wed 14/10/20	NA		305.39 days		396,377,46FF	0% 5	3/8 • 14/10
SW5			Wed 14/10/20		NA		1016.39 days		47FF	0%	14/10 • 12/4
'	Waste Gas Buner	195 days	5 Tue 5/10/21	Sat 4/6/22	NA	NA	0 days			0%	5/10 4/6
	Excavation for Raft Rooting (75cu.m)		Tue 5/10/21	Fri 22/10/21	NA		,	2,300	380,404	0%	5/10 22/10
	Plate Load Test		Sat 23/10/21	Fri 12/11/21	NA	NA	,	379	381	0%	23/10 12/11
KD3 SW5			Sat 13/11/21 Tue 7/12/21	Mon 6/12/21 Sat 4/6/22	NA		0 days 598 days	380,131 381	406,382,41FF 47FF	0% 0%	13/11 <b>6</b> /12 7/12 4/6
2440		100 uays		Jai 4/0/22	NA	INA	Job udys	001	4/11	U /0	1/16 7/0

	k Wu Hui Effluent Polishing Plant - Main Works Stage 1 Idge Treatment Facilities and 132kV Primary Substation						<u>Exec</u>	utive Summary (Stat	us Date: 20/03:	<u>/2021)</u>	
(D Tas	k Name	Duration	Start	Finish	Actual Start Ac	ctual Finish	Total Slac	Predecessors	Successors	% Time Comple Risk Allowan	n May January September May January September May January September N
F	Plant Services Water System	243 days	Mon 12/4/21	Thu 3/2/22	NA	NA	0 days			0%	8/4 16/9 24/2 3/8 11/1 21/6 29/11 9/5 17/10 27/3 4/9 12/2 22/7 30/12
			Mon 12/4/21	Wed 5/5/21	NA	NA	-	2	385,358	0%	12/4 5/5
	<b>3</b> ( )		Thu 6/5/21	Thu 27/5/21	NA	NA		384	386	0%	6/5 27/5
03E	Basement Construction @+1.20mPD	60 days	Fri 28/5/21	Sat 7/8/21	NA	NA	0 days	385,131	360,387,41FF	0%	28/5 🚃 7/8
V5		180 days	Sun 8/8/21	Thu 3/2/22	NA	NA	719 days	386	47FF	0%	8/8 3/2
0	•		s Tue 1/3/22	Sun 27/11/22	NA		-118.5 days			0%	1/3 27/11
			Tue 1/3/22	Thu 24/3/22	NA		-118.5 days		390	0%	1/3 <b>2</b> /3
3E		,	Thu 24/3/22	Tue 19/4/22 Tue 31/5/22	NA		-118.5 days		391 392,41FF	0%	24/3 <b>1</b> 9/4 19/4 <b>1</b> 31/5
V5			Tue 19/4/22 Tue 31/5/22	Sun 27/11/22	NA		-118.5 days 422.5 days		47FF	0%	31/5 27/11
			Mon 30/8/21	Thu 16/6/22	NA		9 days	001		0%	30/8 16/6
	•		Mon 30/8/21	Tue 21/9/21	NA	NA		2,375	395	0%	30/8 21/9
	• • • •		Thu 23/9/21	Fri 15/10/21	NA	NA		394	396	0%	23/9 🔳 15/10
03E	R.C. Plinth	55 days	Sat 16/10/21	Sat 18/12/21	NA	NA	9 days	395,131,376	397,41FF	0%	16/10 18/12
N5			Sun 19/12/21	Thu 16/6/22	NA	NA	,	396	47FF	0%	19/12 16/6
ŀ	•		Mon 27/9/21	Thu 16/6/22	NA		9 days			0%	27/9
			Mon 27/9/21	Fri 8/10/21	NA	N/		2,352	400	0%	27/9 8/10
135			Sat 9/10/21	Tue 2/11/21	NA	N/	,	399	401 402 41EE	0%	9/10 <b>2</b> /11 3/11 <b>1</b> 8/12
03E V5			Wed 3/11/21 Sun 19/12/21	Sat 18/12/21 Thu 16/6/22	NA	N/ N/		400 401	402,41FF 47FF	0%	19/12 16/6
			Sun 19/12/21 Sat 23/10/21	Wed 29/6/22	NA	N/ N/		101	471 F	0%	23/10 29/6
	•		Sat 23/10/21	Mon 15/11/21	NA	N/		2,379	405	0%	23/10 15/11
			Tue 16/11/21	Mon 6/12/21	NA	N/		404	406	0%	16/11 <b>6</b> /12
3E			Tue 7/12/21	Fri 31/12/21	NA	NA	0 days	405,131,381	407,41FF	0%	7/12 🗧 31/12
V5			Sat 1/1/22	Wed 29/6/22	NA	NA	,	406	47FF	0%	1/1 29/6
ι	· ·		Thu 20/2/20	Sat 16/7/22	Thu 20/2/20	NA	453 days			13%	20/2 16/7
			Thu 20/2/20	Fri 21/8/20	Thu 20/2/20	NA		278SS-14 days	411	85%	20/2 21/8
			Mon 4/1/21	Sat 16/7/22	NA	NA		45 004 057 400	440	0%	
	Sheet Pile Installation + ELS Works (incl. Strut (2-layers) Installation & Excavation	50 days	Mon 4/1/21	Fri 5/3/21	NA	NA	-9 days	15,281,257,409	412	0%	4/1 5/3
		80 days	Sat 6/3/21	Tue 15/6/21	NA	NA	-9 days	411,131,203	413	0% 10	6/3 15/6
V4			Wed 16/6/21	Wed 21/7/21	NA	NA	-9 days	412	417,414,46FF	0%	16/6 💻 21/7
	Surrounding Site formation works and road works	180 days	Thu 22/7/21	Mon 17/1/22	NA	NA	556 days	413	415	0%	22/7 17/1
V5	ABWF & BS Works	180 days	Tue 18/1/22	Sat 16/7/22	NA	NA	556 days	414	47FF	0%	18/1 16/7
			Thu 22/7/21	Mon 13/6/22	NA	NA				0%	22/7 13/6
			Thu 22/7/21	Fri 23/7/21	NA	N/		413	418	0%	22/7   23/7
	Sheet Pile Installation + ELS Works (incl. Strut (2-layers) Installation & Excavation (300 cu.m))	30 days	Sat 24/7/21	Fri 27/8/21	NA	NA	-9 days	417	419	0%	24/7 💼 27/8
		45 davs	Sat 28/8/21	Fri 22/10/21	NA	NA	-9 days	418	420	0%	28/8 👥 22/10
		,	Sat 23/10/21	Mon 15/11/21	NA	NA		419	421	0%	23/10 15/11
	TTA Implementation at Chuk Wan Street northwest bound	2 days	Tue 16/11/21	Wed 17/11/21	NA	NA	-	420	422	0%	16/11 17/11
	Sheet Pile Installation + ELS Works (incl. Strut (2-layers) Installation &	20 days	Thu 18/11/21	Fri 10/12/21	NA	NA	-9 days	421	423	0%	18/11 🗧 10/12
	Excavation	45 . 1	0.144/40/04	T . 0/0/00			0.1	100	404	00/	11/12 - 8/2
V4			Sat 11/12/21 Wed 9/2/22	Tue 8/2/22 Tue 15/3/22	NA	N/ N/		422 423	424 425.46FF	0%	11/12
V4 V5			Wed 9/2/22 Wed 16/3/22	Mon 13/6/22	NA		-9 days 589 days		425,40FF 47FF	0%	16/3 13/6
			s Fri 22/11/19	Sat 16/11/24	Fri 22/11/19		0 days	727	7/11	6%	22/11 16/11
			Fri 22/11/19	Wed 1/12/21	Fri 22/11/19		634 days			37%	22/11 1/12
	•		Fri 22/11/19	Fri 20/8/21	Fri 22/11/19		71.5 days	223,186		47%	22/11 20/8
	Stage 1 - Drainage Diversion of Drainage btw Reconstructed Storm Water Manhole SMH1003177A and Reconstructed Storm Water Manhole MHD33 - A	7 days	Fri 22/11/19	Fri 29/11/19	Fri 22/11/19	Fri 29/11/19	0 days	124,145,150,146,134,167,18	36 430	100%	22/11 <del>• 29/11</del>
	Water Manhole SMH1003177A and Reconstructed Storm Water Manhole MHD33 - A and Additional concrete surround at MH18, MH16		Mon 6/1/20	Mon 27/4/20	Mon 6/1/20	Mon 27/4/20	0 days	429	431	100%	6/1 27/4
D1A	and additional manhole (Type 1) (NCE no. 8, 17) Stage 1 - Backfilling Works for Drainage Diversion	9 days	Tue 28/4/20	Wed 6/5/20	Tue 28/4/20	Wed 6/5/20	0 days	430	228	100%	28/4 6/5
01A	Stage 2 - Drainage Diversion of Drainage b/w MHD26 and	,	Thu 25/3/21	Wed 9/6/21	NA		71.5 days		433	0%	25/3 9/6
V1		60 days	Thu 10/6/21	Fri 20/8/21	NA	NA	71.5 days	432	43FF	0%	10/6 20/8
V4	SMHH1003177A, to Abandon of Exisiting Drainage Culvert (1 Cell, 1000mm x 1150mm) outside Portion C-1A & C-1B Trenchless Work for Pipe Installation	438 days	Sat 13/6/20	Wed 1/12/21	Sat 13/6/20	NA	634 days		46FF	33%	13/6 1/12
	•		Sat 13/6/20	Wed 17/6/20	Sat 13/6/20	Wed 17/6/20			437	100%	13/6   17/6
	•		Thu 18/6/20	Sat 10/10/20	Thu 18/6/20	NA		15,137		31%	18/6 10/10
			Thu 18/6/20	Thu 18/6/20	Thu 18/6/20	Thu 18/6/20		2,435	438	100%	♦ 18/6
			Fri 26/6/20	Sat 10/10/20	Fri 26/6/20	NA		437	441	31%	26/6 26/10/10
			Mon 12/10/20		Mon 12/10/20		253 days			65%	
	Twin DN900 DI pipe (CHAT & CHAU)		Mon 12/10/20		Mon 12/10/20	N/		100	440	89%	
		24 days	Mon 12/10/20	Mon 9/11/20	Mon 12/10/20	Mon 9/11/20	0 days	438	442	100%	12/10 🔳 9/11
	Equipment (NCE no.55,69) Pipe Jacking Operation for CHAT DN900 DI pipe (30m, 3m/day)	26 days	Mon 9/11/20	Wed 9/12/20	Mon 9/11/20	Wed 9/12/20	0 days	441	445,444,443	100% 6	9/11 🔲 9/12
	(NCE no.92)				mon 0/11/20	.100 0/12/20	0 0030			100780	
		7 days	Wed 9/12/20	Wed 16/12/20	Wed 9/12/20	Wed 16/12/20	0 days	442	444	100%	9/12   16/12
	Equipment Pipe Jacking Operation for CHAU DN900 DI pipe (30m, 3m/day)	16 days	Wed 16/12/20	Fri 1/1/21	Wed 16/12/20	Fri 1/1/21	0 days	442,443	445	100%	16/12 🔞 1/1
	<i>u</i>									· · ·	

KE	DT	ask Name	Duration	Start	Finish	Actual Start	Actual Finish	Total Slack	Predecessors		% Time Comple Risk		
											Allowan	n May January Septen 8/4 16/9 24/2 3/8	nber May 11/1 21/6
145		Installation of grouting pipe and rail	7 days	Sat 2/1/21	Sat 9/1/21	Sat 2/1/21	Sat 9/1/21	0 days	442,444	446	100%	2/1	9/1
46		Pipe Laying Works	25 days	Mon 11/1/21	Mon 8/2/21	Mon 11/1/21	Mon 8/2/21	0 days	445	447	100%		8/2
17		Formwork Erection and grouting works	7 days	Tue 9/2/21	Fri 19/2/21	Tue 9/2/21	Fri 19/2/21	0 days	446		100%	9/	2 🛯 19/2
18		Backfilling works	14 days	Tue 13/4/21	Wed 28/4/21	NA			455SS		0%		13/4 28/4
9		Pipe Jacking Operation for DN2200 MS pipe (CHAV)	80 days	Mon 18/1/21	Wed 28/4/21	Mon 18/1/21	NA				27%		28/4
0		Setting Up of Entrance Ring & Gantry, and Trenchless Equipment	7 days	Mon 18/1/21	Mon 25/1/21	Mon 18/1/21	Mon 25/1/21	0 days		451	100%	18/1	25/1
51		Pipe Jacking Operation for twin DN2200 DI pipe	30 days	Tue 26/1/21	Thu 4/3/21	Tue 26/1/21	NA	0 days	450	452	10% 6	26/1	<b>4</b> /3
2		Installation of grouting pipe and rail	7 days	Fri 5/3/21	Fri 12/3/21	Fri 5/3/21	Fri 12/3/21	0 days	451	453	100%		5/3 🛯 12/3
3		Pipe Laying Works	18 days	Sat 13/3/21	Wed 7/4/21	Sat 13/3/21	NA	253 days	452	454	25%	1	3/3 🔳 7/4
4		Formwork Erection and grouting works	4 days	Thu 8/4/21	Mon 12/4/21	NA	NA	253 days	453	456,455	0%	-	8/4   12/4
5		Backfilling works	14 days	Tue 13/4/21	Wed 28/4/21	NA	NA	253 days	454	456,448SS	0%		13/4 🔳 28/4
6		Reinstatement of Temporary Launching Pit	30 days	Thu 29/4/21	Fri 4/6/21	NA		635 days	454,455	457	0%		29/4 📩 4/6
7 SW	N5	Surrounding Site formation works and road works	180 days	Sat 5/6/21	Wed 1/12/21	NA	NA	783 days	456	47FF	0%		5/6
8		Process Pipeworks, All Sewerage, Utilities & Roadworks in Portion C of	f 570 days	Wed 15/7/20	Fri 17/6/22	Wed 15/7/20	NA	-83 days			7%	15/7	•
9		the Site	244 daya	Wed 15/7/20	Wed 9/0/21	Wed 45/7/20	NA	0 dava			35%	15/7	8/9
60 KD	D1A	Process Pipeworks Connection pipe at UV System no.1 & Effluent Pumping Stataion		Wed 15/7/20 Wed 15/7/20	Wed 8/9/21 Wed 8/9/21	Wed 15/7/20 Wed 15/7/20	NA NA			35FF	35%	15/7	8/9
		no.1	-					-					
51		Effluent Pipe(approx. 70m, dia 300-1600)		sWed 15/7/20		Wed 15/7/20	NA		000	101.105==	35%	15/7	8/9
62		Twin DN900 +DN2200 (CHAT, CHAU, CHAV) (+0.2mPD) (NCE. 60.62.66)	220 days	Wed 15/7/20	Mon 12/4/21	Wed 15/7/20	NA	0 days	228	464,463FF	65%	15/7	12/4
63		DN150,350 (CHA, CHL, CHLA) Pipe Laying (+4.8mPD)	40 days	Sat 20/2/21	Mon 12/4/21	Sat 20/2/21	NA	-39 days	462FF		35%	20	/2 💼 12/4
64		CHAM, CHAN Pipe Laying (+2.0mPD)	25 days	Tue 13/4/21	Wed 12/5/21	NA	NA	69 days	462	465	0%	-	13/4 🔳 12/5
65		Chain, Chain Pipe Laying (+2.0mPD) Concrete Pipe between MHD26 and SMH1003177A (+3.6mPD)		Tue 13/4/21 Thu 13/5/21	Fri 18/6/21	NA	NA	,	462		0%	-	13/5 18/6
													_
66		DN800(CHAY), DN1600 (CHAX), DN350 (CHBA) Pipe Laying (NCE no. 84)	86 days	Thu 25/3/21	Mon 12/7/21	NA	NA	0 days	239	467	0%		25/3 12/7
67		DN1400(CHAW)	50 days	Tue 13/7/21	Wed 8/9/21	NA	NA	0 days	466		0%	-	13/7 🗾 8/9
68 SW	N4	Remaining Effluent Pipes & testing works	350 days	Tue 13/4/21	Fri 17/6/22	NA	NA	-83 days	136,282,324,196,199	46FF	0%	-	13/4
69 SW	N4	Stormdrain Pipeworks & testing works	350 days	Tue 13/4/21	Fri 17/6/22	NA	NA	-84 days	136,282,324,187	46FF	0%		13/4
70 SW		Sewerage Pipeworks, manhole, protective lining & testing works	350 days	Tue 13/4/21	Fri 17/6/22	NA	NA	-84 days	136,282,324,193	46FF	0%		13/4
71 SW		Watermain Pipeworks & testing works	350 days	Tue 13/4/21	Fri 17/6/22	NA			136,282,324,190,193	46FF	0%		13/4
72 SW		Cable & Other Underground Utility Pipeworks		Tue 13/4/21	Fri 17/6/22	NA			136,282,324	46FF	0%		13/4
73 SW	N4	Pipe Bridge No.1		Mon 2/8/21	Thu 3/3/22	NA	NA		2	46FF	0%	8/8 <b></b>	2/8
74 * 75 SW	NE	Remaining Works & Landscape Works		s Sat 8/8/20	Sat 16/11/24 Wed 15/11/23	NA NA	NA NA		2EC - 26E dave	47FF	<b>0%</b> 0%	8/8	
76 SW		Irrigation System Hard Landscape Works		Sat 8/8/20 Sat 8/8/20	Wed 15/11/23 Wed 15/11/23	NA			2FS+265 days 2FS+265 days	47FF 47FF	0%	8/8	1
77 SW		Soft Landscape Works		Sat 8/8/20	Wed 15/11/23 Wed 15/11/23	NA			2FS+265 days	483,47FF	0%	8/8	
78		Outfall for Effluent Pipes		Tue 1/11/22	Fri 31/3/23	NA			179	100,1111	0%		
79		Slope Formation Works near Outfall		Tue 1/11/22	Fri 31/3/23	NA			179		0%	-	
80		Removal of invasive trees along River Embankment (NCE no. 37)		Sat 1/4/23	Mon 24/7/23	NA	NA		179FS+124 days	481	0%	-	
81 SW	N5	Retaining Wall along River Embankment, street furniture & road works	90 days	Tue 25/7/23	Thu 9/11/23	NA	NA	61 days	179,480	47FF	0%		
82 SN	N5	Remaining Site formation works, road works and boundary fence wall	250 days	Fri 8/7/22	Wed 15/3/23	NA		314.5 days	46	47FF	0%		
83		Establishment Works (365 Calendar Days)	201 dave	Thu 16/11/23	Sat 16/11/24	NA	NA	0 days	477,139		0%		
84 *								,			26%	27/11	
85 *	C	Construction of Portion A of the Site	911 days	Wed 27/11/19		Wed 27/11/19	NA	180.5 days					
	C	Construction of Portion A of the Site CLP 132kV Substation	911 days 911 days	Wed 27/11/19 Wed 27/11/19	Thu 22/12/22	Wed 27/11/19 Wed 27/11/19	NA NA	180.5 days 180.5 days			26%	27/11	
86	C	Construction of Portion A of the Site CLP 132kV Substation Internal Works	911 days 911 days 766 days	Wed 27/11/19 Wed 27/11/19 Wed 27/11/19	Thu 22/12/22 Sat 2/7/22	Wed 27/11/19 Wed 27/11/19 Wed 27/11/19	NA NA NA	180.5 days 180.5 days 200.5 days		499	34%	27/11	
86 87	C	Construction of Portion A of the Site CLP 132kV Substation Internal Works Site Clearance & Site Set Up	<b>911 days</b> <b>911 days</b> <b>766 days</b> 4 days	Wed 27/11/19 Wed 27/11/19 Wed 27/11/19 Tue 10/12/19	Thu 22/12/22 Sat 2/7/22 Fri 13/12/19	Wed 27/11/19 Wed 27/11/19 Wed 27/11/19 Tue 10/12/19	NA NA NA Fri 13/12/19	<b>180.5 days</b> <b>180.5 days</b> <b>200.5 days</b> 0 days	2	488	<b>34%</b> 100%	27/11 10/12   13/12	•
86 87 88	C	Construction of Portion A of the Site CLP 132kV Substation Internal Works Site Clearance & Site Set Up Additional Tree Felling Works (NCE no.29)	911 days           911 days           911 days           766 days           4 days           4 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19	Wed 27/11/19 Wed 27/11/19 Wed 27/11/19 Tue 10/12/19 Fri 20/12/19	NA NA Fri 13/12/19 Mon 23/12/19	<b>180.5 days</b> <b>180.5 days</b> <b>200.5 days</b> 0 days 0 days	2 487	490	<b>34%</b> 100% 100%	27/11 10/12 13/12 20/12 12/12 20/12 12/12	5 5
86 87 88 89	C	Construction of Portion A of the Site CLP 132kV Substation Internal Works Site Clearance & Site Set Up	<b>911 days</b> <b>911 days</b> <b>766 days</b> 4 days	Wed 27/11/19 Wed 27/11/19 Wed 27/11/19 Tue 10/12/19 Fri 20/12/19 Mon 2/12/19	Thu 22/12/22 Sat 2/7/22 Fri 13/12/19	Wed 27/11/19 Wed 27/11/19 Wed 27/11/19 Tue 10/12/19	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19	180.5 days           180.5 days           200.5 days           0 days           0 days           0 days           0 days           0 days	2		<b>34%</b> 100%	27/11 10/12   13/12	
86 87 88 89 90	C	Construction of Portion A of the Site CLP 132kV Substation Internal Works Site Clearance & Site Set Up Additional Tree Felling Works (NCE no.29) Trial Pit Excavation & UU Detection Works	911 days           911 days           911 days           766 days           4 days           4 days           0 days	Wed 27/11/19 Wed 27/11/19 Wed 27/11/19 Tue 10/12/19 Fri 20/12/19 Mon 2/12/19	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19	Wed 27/11/19 Wed 27/11/19 Wed 27/11/19 Tue 10/12/19 Fri 20/12/19 Mon 2/12/19	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19	180.5 days           180.5 days           200.5 days           0 days	2 487 2	490 491	34% 100% 100% 100%	27/11 10/12   13/12 20/12   23/12 2/12   22/12 2/12   12/12	
86 87 88 89 90 91	C	Construction of Portion A of the Site CLP 132kV Substation Internal Works Site Clearance & Site Set Up Additional Tree Felling Works (NCE no.29) Trial Pit Excavation & UU Detection Works Additional Demolition of existing warehouse structure (NCE no.002)	911 days           911 days           911 days           766 days           4 days           4 days           0 days           28 days	Wed 27/11/19 Wed 27/11/19 Wed 27/11/19 Tue 10/12/19 Fri 20/12/19 Mon 2/12/19 Wed 27/11/19	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Tue 31/12/19	Wed 27/11/49 Wed 27/11/49 Wed 27/11/19 Tue 10/12/19 Fri 20/12/19 Mon 2/12/19 Wed 27/11/19	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Tue 31/12/19	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488	490 491 491	34% 100% 100% 100%	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12	
86 87 88 89 90 91 92	C	Construction of Portion A of the Site CLP 132kV Substation Internal Works Site Clearance & Site Set Up Additional Tree Felling Works (NCE no.29) Trial Pit Excavation & UU Detection Works Additional Demolition of existing warehouse structure (NCE no.002) Predrilling Works (1 no., 1rig, 3days/drillhole/rig) (NCE no. 10) Installation of Monitoring Points Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE	<b>911 days</b> <b>911 days</b> <b>766 days</b> 4 days 4 days 0 days 28 days 11 days 4 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Tue 31/12/19           Thu 16/1/20	Wed 27/11/49 Wed 27/11/49 Wed 27/11/19 Tue 10/12/19 Fri 20/12/19 Mon 2/12/19 Wed 27/11/19 Sat 4/1/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Tue 31/12/19 Thu 16/1/20	180.5 days180.5 days200.5 days0 days	2 487 2 488 126,489,178,490	490 491 491 492	34% 100% 100% 100% 100%	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1	
86 87 88 89 90 91 92 93	C	Construction of Portion A of the Site CLP 132kV Substation Internal Works Site Clearance & Site Set Up Additional Tree Felling Works (NCE no.29) Trial Pit Excavation & UU Detection Works Additional Demolition of existing warehouse structure (NCE no.002) Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10) Installation of Monitoring Points	<b>911 days</b> <b>911 days</b> <b>766 days</b> 4 days 4 days 0 days 28 days 11 days 4 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 31/12/19           Mon 23/12/20	Wed 27/11/49           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Tue 31/12/19 Thu 16/1/20 Mon 20/1/20	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488 126,489,178,490 491	490 491 491 492 493	34% 100% 100% 100% 100% 100%	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1	
86       87       88       89       90       91       92       93       94	C	Construction of Portion A of the Site CLP 132kV Substation Internal Works Site Clearance & Site Set Up Additional Tree Felling Works (NCE no.29) Trial Pit Excavation & UU Detection Works Additional Demolition of existing warehouse structure (NCE no.002) Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10) Installation of Monitoring Points Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022) Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))	911 days           911 days           766 days           4 days           0 days           28 days           11 days           4 days           5 days           61 days           61 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/1/19           Thu 31/12/19           Thu 12/1/19           Thu 16/1/20           Mon 20/1/20           Sat 29/2/20           Mon 18/5/20	Wed 27/11/49           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 12/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488 126,489,178,490 491 492 127,493	490 491 491 492 493 494 495,297,497	34% 100% 100% 100% 100% 100% 100% 100% 6	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5	
86       87       88       89       90       91       92       93       94       95		Construction of Portion A of the Site CLP 132kV Substation Internal Works Site Clearance & Site Set Up Additional Tree Felling Works (NCE no.29) Trial Pit Excavation & UU Detection Works Additional Demolition of existing warehouse structure (NCE no.002) Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10) Installation of Monitoring Points Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022) Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27)) Pile Load Test	911 days           911 days           766 days           4 days           4 days           0 days           28 days           11 days           4 days           61 days           61 days           22 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 31/12/19           Thu 61/120           Mon 20/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 31/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488 126,489,178,490 491 492 127,493 494	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498	34% 100% 100% 100% 100% 100% 100% 100% 6 100%	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6	
86         87           88         90           90         91           92         93           94         95           96         96		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., frig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)	911 days           911 days           916 days           4 days           4 days           0 days           28 days           11 days           4 days           61 days           61 days           61 days           22 days           18 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 3/7/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 31/12/19           Thu 61/120           Mon 20/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Thu 23/7/20	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 3/7/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 31/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488 126,489,178,490 491 492 127,493 494 495,129	490 491 491 492 493 494 495,297,497	34% 100% 100% 100% 100% 100% 100% 100% 6	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   8/5 19/5   12/6 3/7   23/7	
86 87 88 90 91 92 93 94 95 95 96 97		Construction of Portion A of the Site CLP 132kV Substation Internal Works Site Clearance & Site Set Up Additional Tree Felling Works (NCE no.29) Trial Pit Excavation & UU Detection Works Additional Demolition of existing warehouse structure (NCE no.002) Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10) Installation of Monitoring Points Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022) Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27)) Pile Load Test Sheetpile Installation Stage 1 (NCE no. 10, 23, 36) CHP Cable Diversion Works (NCE no.23, 36, 32, 41)	911 days           911 days           766 days           4 days           0 days           28 days           11 days           28 days           11 days           4 days           61 days           22 days           18 days           101 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 3/7/20           Fri 29/5/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 12/12/19           Thu 16/1/20           Mon 20/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 2012/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 3/7/20           Fri 3/7/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 21/12/19 Thu 12/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20 Fri 25/9/20	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488 126,489,178,490 491 492 127,493 494 495,129 494	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498	34% 100% 100% 100% 100% 100% 100% 100% 6 100% 6 100% 6	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   25/9	
36       37       38       39       90       91       92       93       94       95       96       97       98		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion Works (NCE no.23, 36, 32, 41)           Watermain diversion and relocation of water meter (NCE no. 15, 36)	911 days           911 days           766 days           4 days           4 days           0 days           28 days           11 days           24 days           5 days           61 days           22 days           18 days           101 days           60 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 29/5/20           Sat 13/6/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 31/12/19           Thu 16/1/20           Mon 20/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20           Mon 24/8/20	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/20           Fri 32/5/20           Sat 13/6/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20 Fri 25/9/20 Mon 24/8/20	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488 126,489,178,490 491 492 127,493 494 495,129 494 495	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498 499	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   25/9 13/6   24/8	
86 87 88 89 90 91 92 93 93 94 95 96 97 98 99		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion Works (NCE no.23, 36, 32, 41)           Watermain diversion and relocation of water meter (NCE no. 15, 36)           Excavation Works Stage 1 (NCE no.16, 49, 55)	911 days           911 days           766 days           4 days           4 days           0 days           28 days           11 days           4 days           5 days           61 days           22 days           18 days           101 days           60 days           66 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/20           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Tue 31/12/19           Tue 31/12/19           Mon 20/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20           Mon 24/8/20           Sat 10/10/20	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 2012/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 3/7/20           Fri 3/7/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 16/1/20 Mon 21/12/19 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20 Fri 25/9/20 Mon 24/8/20 Sat 10/10/20	180.5 days180.5 days200.5 days0 days	2 487 2 488 126,489,178,490 491 492 127,493 494 495,129 494 495 496	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498 499 502,503	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   25/9	
36       37       38       39       90       91       92       93       94       95       96       97       98       99       90		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion Works (NCE no.23, 36, 32, 41)           Watermain diversion and relocation of water meter (NCE no. 15, 36)	911 days           911 days           766 days           4 days           4 days           0 days           28 days           11 days           4 days           5 days           61 days           22 days           18 days           101 days           60 days           66 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 29/5/20           Sat 13/6/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Tue 31/12/19           Mon 20/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20           Mon 24/8/20	Wed 27/11/49           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 21/2/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Tue 31/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20 Fri 25/9/20 Mon 24/8/20 Sat 10/10/20 NA	180.5 days           180.5 days           200.5 days           0 days           1 day	2 487 2 488 126,489,178,490 491 492 127,493 494 495,129 494 495	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498 499	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   25/9 13/6   24/8	10
86         87           88         89           90         91           92         93           94         95           96         97           98         99           00         00		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion Works (NCE no.23, 36, 32, 41)           Watermain diversion and relocation of water meter (NCE no. 15, 36)           Excavation Works Stage 1 (NCE no.16, 49, 55)           Sheetpile Installation Stage 2	911 days           911 days           766 days           4 days           4 days           0 days           28 days           11 days           2 days           5 days           61 days           22 days           61 days           22 days           18 days           101 days           60 days           20 days           20 days           20 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/20           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20           Fri 9/4/21	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 31/12/19           Thu 12/12/19           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20           Mon 24/8/20           Sat 10/10/20           Wed 28/4/21	Wed 27/11/49           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Won 21/2/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/20           Sat 13/6/20           Fri 24/7/20           NA	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 12/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Fri 12/6/20 Fri 25/9/20 Mon 24/8/20 Sat 10/10/20 NA	180.5 days           180.5 days           200.5 days           0 days           1 day	2 487 2 488 126,489,178,490 491 492 127,493 494 495,129 494 495 496 506	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498 499 502,503 501	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   25/9 13/6   24/8	10 9/4 ∎ 28/4 29/4 ∎ 18/5
86     87       88     89       90     91       91     92       93     93       94     95       96     97       98     99       90     91		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UD Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no.0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion and relocation of water meter (NCE no. 15, 36)           Excavation Works Stage 1 (NCE no.16, 49, 55)           Sheetpile Installation Stage 2	911 days           911 days           766 days           4 days           0 days           28 days           11 days           4 days           0 days           28 days           11 days           4 days           61 days           61 days           22 days           18 days           101 days           60 days           60 days           60 days           20 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Fri 3/7/20           Fri 29/5/20           Sat 13/6/20           Fri 29/5/20           Sat 13/6/20           Fri 29/4/21	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 31/12/19           Thu 12/12/19           Thu 12/12/19           Sat 29/2/20           Mon 20/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Fri 25/9/20           Mon 24/8/20           Sat 10/10/20           Wed 28/4/21           Tue 18/5/21	Wed 27/11/49           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/5/20           Fri 37/5/20           Fri 24/7/20           NA	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 12/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Fri 12/6/20 Fri 25/9/20 Mon 24/8/20 Sat 10/10/20 NA	180.5 days           180.5 days           200.5 days           0 days           1 day           -50 days	2 487 2 488 126,489,178,490 491 492 127,493 494 495,129 494 495,129 494 495 506 500	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498 499 502,503 501	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   22/9 13/6   24/8 24/7   10/1	10 9/4 28/4 29/4 18/5 19/8
86         87           88         89           90         91           92         93           94         95           96         97           98         99           00         00           01         02           03         04		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion Works (NCE no.23, 36, 32, 41)           Watermain diversion and relocation of water meter (NCE no. 15, 36)           Excavation Works Stage 1 (NCE no.16, 49, 55)           Sheetpile Installation Stage 2           Excavation Works Stage 2           R.C. Structure (880 sq.m)	911 days           911 days           766 days           4 days           0 days           28 days           11 days           4 days           0 days           28 days           11 days           4 days           61 days           61 days           22 days           18 days           101 days           60 days           60 days           60 days           20 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 3/7/20           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20           Fri 24/7/20           Fri 24/7/20           Fri 24/21           Mon 12/10/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 31/12/19           Thu 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 12/12/19           Thu 21/19/17           Thu 31/12/19           Thu 20/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20           Mon 24/8/20           Sat 10/10/20           Wed 28/4/21           Tue 18/5/21           Thu 19/8/21	Wed 27/11/49           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/20           Fri 24/7/20           NA           Mon 12/10/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 31/12/19 Thu 12/12/19 Thu 12/12/19 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20 Fri 25/9/20 Mon 24/8/20 Sat 10/10/20 NA NA NA	180.5 days           180.5 days           200.5 days           0 days           1 day           -50 days           0 days	2 487 2 488 126,489,178,490 491 492 127,493 127,493 494 495,129 494 495,129 494 495 506 500 204,205,206,131,203,499	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498 499 502,503 501 504	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11 31/12 4/1 16/1 16/1   20/1 25/2   29/2 2/3 18/5 19/5 12/6 3/7 23/7 29/5 25/9 13/6 24/8 24/7 10/1 12/10	10 9/4 28/4 29/4 18/5 19/8
886         887           888         899           900         911           922         933           934         990           995         996           997         998           999         000           001         101           002         03           004         905		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., frig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion Works (NCE no.23, 36, 32, 41)           Watermain diversion and relocation of water meter (NCE no. 15, 36)           Excavation Works Stage 1 (NCE no.16, 49, 55)           Sheetpile Installation Stage 2           Excavation Works Stage 2           R.C. Structure (880 sq.m)           Installation of earthmat (Bay 1)           Installation of earthmat (Bay 2)           Basement (NCE no.79, 86)	911 days           911 days           911 days           766 days           4 days           0 days           28 days           11 days           4 days           28 days           5 days           61 days           22 days           18 days           101 days           60 days           66 days           20 days           20 days           253 days           14 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fir 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20           Fri 29/5/21           Thu 29/4/21           Mon 12/10/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 31/12/19           Thu 16/1/20           Mon 20/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20           Mon 24/8/20           Sat 10/10/20           Wed 28/4/21           Tue 18/5/21           Tue 19/8/21           Tue 10/11/20           Mon 31/5/21           Wed 20/1/21	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 2012/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Mon 2/3/20           Fri 3/1/20           Fri 3/1/20           Fri 3/1/20           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20           NA           Mon 12/10/20           Mon 12/10/20           NA           Wed 11/11/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 21/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20 Fri 12/6/20 Mon 24/8/20 Sat 10/10/20 NA NA NA Tue 10/11/20 NA	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488 126,489,178,490 491 492 127,493 494 495,129 494 495,129 494 495 506 506 500 204,205,206,131,203,499 499	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498 499 502,503 501 502 501 504 505 505	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   25/9 13/6   24/8 24/7   10/1 12/10   10 11/11   1	0 9/4 28/4 29/4 18/5 9/11 20/5 31/5 9 20/1
886         887           888         899           900         911           992         933           994         95           996         977           998         999           000         01           002         003           004         005		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., frig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion Works (NCE no.23, 36, 32, 41)           Watermain diversion and relocation of water meter (NCE no. 15, 36)           Excavation Works Stage 1 (NCE no.16, 49, 55)           Sheetpile Installation Stage 2           Excavation Works Stage 2           R.C. Structure (880 sq.m)           Installation of earthmat (Bay 1)           Installation of earthmat (Bay 2)           Basement (NCE no.79, 86)           Ground Floor	911 days           911 days           766 days           4 days           0 days           28 days           11 days           28 days           11 days           5 days           61 days           22 days           18 days           101 days           60 days           20 days           20 days           20 days           14 days           10 days           66 days           20 days           14 days           10 days           10 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fir 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/20           Fri 29/5/20           Sat 13/6/20           Fri 9/4/21           Thu 29/4/21           Mon 12/10/20           Thu 20/4/21           Mon 12/10/20           Thu 20/5/21           Wed 11/11/20	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Tue 31/12/19           Thu 16/1/20           Mon 20/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20           Mon 24/8/20           Sat 10/10/20           Wed 28/4/21           Tue 18/5/21           Tue 10/11/20           Mon 31/5/21           Wed 20/1/21           Thu 8/4/21	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Mon 2/3/20           Fri 3/7/20           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20           NA           Mon 12/10/20           Mon 12/10/20           NA           Wed 11/11/20           NA           Wed 11/11/20	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 12/12/19 Thu 12/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20 Fri 25/9/20 Mon 24/8/20 Sat 10/10/20 NA NA NA Tue 10/11/20 NA	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488 126,489,178,490 491 492 127,493 492 127,493 495 127,493 495 495 495 495 495 495 495 495 506 500 204,205,206,131,203,499 499 501 503 505	490 491 491 492 493 493 494 495,297,497 496,323FS+5 days,498 499 502,503 501 504 505	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   25/9 13/6   24/8 24/7   10/1 12/10   10 11/11   1	0 9/4 28/4 29/4 18/5 19/8 0/11 20/5 31/5 20/1 8/4
886         987           887         989           90         91           91         922           933         94           955         966           977         988           999         900           01         102           933         94           955         966           977         938           999         900           01         102           933         944           955         966           977         938           999         900           00         00           01         102           933         944           935         904           936         907		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., frig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion Works (NCE no.23, 36, 32, 41)           Watermain diversion and relocation of water meter (NCE no. 15, 36)           Excavation Works Stage 1 (NCE no.16, 49, 55)           Sheetpile Installation Stage 2           Excavation Works Stage 2           R.C. Structure (880 sq.m)           Installation of earthmat (Bay 1)           Installation of earthmat (Bay 2)           Basement (NCE no.79, 86)           Ground Floor	911 days           911 days           766 days           4 days           4 days           2 days           28 days           11 days           28 days           11 days           61 days           22 days           18 days           101 days           66 days           20 days           20 days           20 days           14 days           10 days           66 days           20 days           20 days           26 days           20 days           20 days           20 days           58 days           60 days           58 days           60 days           60 days           58 days           60 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fir 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/20           Fri 29/5/20           Sat 13/6/20           Fri 9/4/21           Thu 12/10/20           Thu 29/4/21           Mon 12/10/20           Thu 20/5/21           Wed 11/11/20           Thu 21/1/21	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 31/12/19           Thu 12/12/19           Thu 12/12/19           Thu 12/12/19           Thu 12/12/19           Thu 31/12/19           Thu 16/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20           Mon 24/8/20           Sat 10/10/20           Wed 28/4/21           Tue 18/5/21           Thu 19/8/21           Tue 10/11/20           Mon 31/5/21           Wed 20/1/21           Thu 8/4/21           Mon 21/6/21	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Tue 15/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/20           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20           Mon 12/10/20           Mon 12/10/20           Mon 12/10/20           Mon 12/10/20           Mon 12/10/20           Mon 12/10/20           Mage 11/11/20           Thu 21/1/21           Fri 9/4/21	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20 Fri 25/9/20 Mon 24/8/20 Sat 10/10/20 NA NA NA Tue 10/11/20 NA Wed 20/1/21 Thu 8/4/21 NA	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488 126,489,178,490 491 492 127,493 492 127,493 495 127,493 495 127,493 495 495 495 495 506 506 506 500 204,205,206,131,203,499 499 501 503 505 505 506	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498 499 502,503 501 504 505 506 507,500 508	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   25/9 13/6   24/8 24/7   10/1 12/10   10 11/11   1	0 9/4 28/4 29/4 18/5 19/8 19/8 20/5 31/5 20/1 8/4 9/4 21/6
386         387           387         388           399         300           301         322           303         333           304         355           305         300           307         303           308         300           309         300           301         300           303         300           303         300           303         300           303         300           303         300           303         300           304         305           305         300           303         300           303         300           304         300           305         300           306         300           307         300		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion Works (NCE no.23, 36, 32, 41)           Watermain diversion and relocation of water meter (NCE no. 15, 36)           Excavation Works Stage 1 (NCE no.16, 49, 55)           Sheetpile Installation Stage 2           Excavation Works Stage 2           R.C. Structure (880 sq.m)           Installation of earthmat (Bay 1)           Installation of earthmat (Bay 2)           Basement (NCE no.79, 86)           Ground Floor           First Floor           Roof Floor (461sq.m)	911 days           911 days           766 days           4 days           4 days           0 days           28 days           11 days           28 days           11 days           5 days           61 days           22 days           18 days           101 days           60 days           20 days           60 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/120           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20           Thu 20/5/21           Wed 11/11/20           Thu 21/1/21           Fri 9/4/21           Tue 22/6/21	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Tu 31/12/19           Tu 31/12/10           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20           Mon 24/8/20           Sat 10/10/20           Wed 28/4/21           Tu 18/5/21           Tu 19/8/21           Tu 20/11/20           Mon 31/5/21           Wed 20/1/21           Thu 8/4/21           Mon 21/6/21           Thu 9/8/21	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/1/20           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20           NA           Mon 12/10/20           Mon 12/10/20           Mon 12/10/20           Tue 11/1/1/21           Fri 9/4/21	NA NA Fri 13/12/19 Mon 23/12/19 Thu 12/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20 Fri 25/9/20 Mon 24/8/20 Sat 10/10/20 NA NA NA Tue 10/11/20 NA Wed 20/1/21 Thu 8/4/21 NA NA	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488 126,489,178,490 491 492 127,493 492 127,493 494 495,129 494 495,129 494 495 506 506 500 204,205,206,131,203,499 499 501 503 505 506 505 506 507	490 491 491 492 493 494 494 495,297,497 496,323FS+5 days,498 499 502,503 501 504 505 506 506 507,500	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   25/9 13/6   24/8 24/7   10/1 12/10   10 11/11   1	0 9/4 28/4 29/4 18/5 19/8 0/11 20/5 31/5 20/1 8/4 9/4 21/6 22/6 19/8
86         87           88         89           90         91           92         93           94         95           96         97           98         99           00         01           02         03           04         05           06         07           08         09		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion Works (NCE no.23, 36, 32, 41)           Watermain diversion and relocation of water meter (NCE no. 15, 36)           Excavation Works Stage 1 (NCE no.16, 49, 55)           Sheetpile Installation Stage 2           Excavation Works Stage 2           R.C. Structure (880 sq.m)           Installation of earthmat (Bay 1)           Installation of earthmat (Bay 2)           Basement (NCE no.79, 86)           Ground Floor           First Floor           Roof Floor (461sq.m)           ABWF Works	911 days           911 days           766 days           4 days           0 days           28 days           11 days           4 days           0 days           28 days           11 days           4 days           61 days           61 days           22 days           18 days           101 days           60 days           20 days           50 days           50 days           50 days           50 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fir 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 3/7/20           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20           Thu 29/4/21           Mon 12/10/20           Thu 20/5/21           Wed 11/11/20           Thu 21/1/21           Fri 24/21           Tue 22/6/21           Fri 20/8/21	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Thu 31/12/19           Thu 12/12/19           Tue 31/12/19           Thu 16/1/20           Sat 29/2/20           Mon 18/5/20           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20           Mon 24/8/20           Sat 10/10/20           Wed 28/4/21           Tue 18/5/21           Thu 19/8/21           Tue 10/11/20           Mon 31/5/21           Wed 20/1/21           Thu 8/4/21           Mon 21/6/21           Thu 8/4/21           Mon 21/6/21           Thu 19/8/21           Thu 19/8/21           Thu 19/8/21           Thu 18/11/21	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/20           Fri 37/20           Fri 24/7/20           NA           Mon 12/10/20           Mon 12/10/20           NA           Wed 11/11/20           Thu 21/1/21           Fri 94/21           NA	NA NA NA Fri 13/12/19 Thu 12/12/19 Thu 2/12/19 Thu 31/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20 Fri 25/9/20 Mon 24/8/20 Sat 10/10/20 NA NA NA Tue 10/11/20 NA Wed 20/1/21 Thu 8/4/21 NA NA	180.5 days           180.5 days           200.5 days           0 days           -113 days           0 days	2 487 2 487 2 488 126,489,178,490 491 492 127,493 492 127,493 494 495,129 494 495,129 494 495 506 506 500 204,205,206,131,203,499 499 501 503 505 501 503 505 506 507 507 508,207,133	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498 499 502,503 501 504 505 506 507,500 508	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   25/9 13/6   24/8 24/7   10/1 12/10   10 11/11   1	0 9/4 28/4 29/4 18/5 19/8 0/11 20/5 31/5 20/1 8/4 9/4 21/6 22/6 19/8 20/8 11/8
86         87           88         89           90         91           92         93           94         95           96         97           98         99           900         93           94         95           96         97           98         99           900         93           901         93           905         96           97         98           99         90           900         901           901         901           905         906           907         998           909         900           901         901           902         903           903         904           905         906           907         908           909         900           903         904           905         906           907         908           908         909           9000         900           9000         900           9000         900     <		Construction of Portion A of the Site           CLP 132kV Substation           Internal Works           Site Clearance & Site Set Up           Additional Tree Felling Works (NCE no.29)           Trial Pit Excavation & UU Detection Works           Additional Demolition of existing warehouse structure (NCE no.002)           Predrilling Works (11no., 1rig, 3days/drillhole/rig) (NCE no. 10)           Installation of Monitoring Points           Setting up plant for pre-bored socked H-pile Installation (PMI no.005, NCE no. 0022)           Pre-bored Socketed H-Pile Installation (41 Nos, 2 Rig, 3days/rig/pile) (NCE no. 18A, 19, 25 & 27))           Pile Load Test           Sheetpile Installation Stage 1 (NCE no. 10, 23, 36)           CHP Cable Diversion Works (NCE no.23, 36, 32, 41)           Watermain diversion and relocation of water meter (NCE no. 15, 36)           Excavation Works Stage 1 (NCE no.16, 49, 55)           Sheetpile Installation Stage 2           Excavation Works Stage 2           R.C. Structure (880 sq.m)           Installation of earthmat (Bay 1)           Installation of earthmat (Bay 2)           Basement (NCE no.79, 86)           Ground Floor           First Floor           Roof Floor (461sq.m)	911 days           911 days           766 days           4 days           0 days           28 days           11 days           4 days           0 days           28 days           11 days           4 days           61 days           61 days           22 days           18 days           101 days           60 days           66 days           20 days           20 days           20 days           20 days           58 days           10 days           58 days           60 days           60 days           50 days           50 days           75 days	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/120           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20           Thu 20/5/21           Wed 11/11/20           Thu 21/1/21           Fri 9/4/21           Tue 22/6/21	Thu 22/12/22           Sat 2/7/22           Fri 13/12/19           Mon 23/12/19           Thu 12/12/19           Thu 12/12/19           Tu 31/12/19           Tu 31/12/10           Fri 12/6/20           Thu 23/7/20           Fri 25/9/20           Mon 24/8/20           Sat 10/10/20           Wed 28/4/21           Tu 18/5/21           Tu 19/8/21           Tu 20/11/20           Mon 31/5/21           Wed 20/1/21           Thu 8/4/21           Mon 21/6/21           Thu 9/8/21	Wed 27/11/19           Wed 27/11/19           Wed 27/11/19           Tue 10/12/19           Fri 20/12/19           Mon 2/12/19           Wed 27/11/19           Sat 4/1/20           Thu 16/1/20           Tue 25/2/20           Mon 2/3/20           Tue 19/5/20           Fri 37/1/20           Fri 29/5/20           Sat 13/6/20           Fri 24/7/20           NA           Mon 12/10/20           Mon 12/10/20           Mon 12/10/20           Tue 11/1/1/21           Fri 9/4/21	NA NA NA Fri 13/12/19 Thu 12/12/19 Thu 21/12/19 Thu 21/12/19 Thu 16/1/20 Mon 20/1/20 Sat 29/2/20 Mon 18/5/20 Fri 12/6/20 Thu 23/7/20 Fri 25/9/20 Mon 24/8/20 Sat 10/10/20 Sat 10/10/20 NA NA NA NA Tue 10/11/20 NA NA NA NA NA NA NA NA NA NA	180.5 days           180.5 days           200.5 days           0 days	2 487 2 488 126,489,178,490 491 492 127,493 492 127,493 494 495,129 494 495,129 494 495 506 506 500 204,205,206,131,203,499 499 501 503 505 506 505 506 507	490 491 491 492 493 494 495,297,497 496,323FS+5 days,498 499 502,503 501 504 505 506 507,500 508	34% 100% 100% 100% 100% 100% 100% 100% 10	27/11 10/12   13/12 20/12   23/12 2/12   12/12 27/11   31/12 4/1   16/1 16/1   20/1 25/2   29/2 2/3   18/5 19/5   12/6 3/7   23/7 29/5   25/9 13/6   24/8 24/7   10/1 12/10   10 11/11   1	0 9/4 28/4 29/4 18/5 19/8 /11 20/5 31/5 20/1 8/4 9/4 21/6

## Executive Summary (Status Date: 20/03/2021)

Status Date: 20 Mar 21



### ID KD Task Name Duration Start Finish Actual Start Actual Finish Total Slack Predecessors Successors Time May January September May January <thJanuary</th> <thJanuary</th> <thJanuary Comple Risk Allowan 512 75 days Fri 20/8/21 Installation of telephone line/ direct link for FSD Inspection Thu 18/11/21 508 NA NA 0 days 0% 20/8 \_\_\_\_\_ 18/ 513 Building Services Installation Works (incl. Fire Services, Plumbing, 75 days Fri 20/8/21 Thu 18/11/21 NA NA 508 0% 0 days Drainage, etc.) & FSD Inspection 20/8 **20/8** 18/ 5/11 18/ 514 KD2A Architectual Works 75 days Fri 20/8/21 Thu 18/11/21 NA NA -113 days 508 516,517,36FF 0% 515 KD2A 508FS+63 days Prehandover to CLP 12 days Fri 5/11/21 Thu 18/11/21 NA NA 0 davs 36FF 0% 19/11 📕 516 Handover to CLP for Electrical System Installation 30 days Fri 19/11/21 Thu 23/12/21 NA NA 0 days 514 519.518 0% 517 E&M Installation, Testing & Commissioning by CLP 180 days Fri 19/11/21 Sat 2/7/22 NA NA 0 days 514 0% 19/11 518 Testing & Commissioning of the E&M Works 90 days Fri 24/12/21 Tue 19/4/22 NA 0 days 516 24/12 NA 0% 519 ABWF Works - External Finishing 90 days Fri 24/12/21 Tue 19/4/22 NA NA 230.5 days 516,207,133 520 0% 24/12 520 SW2 Inspection and Handover to CLP 532 44FF 30 days Wed 20/4/22 Thu 26/5/22 NA NA 230.5 days 519 0% 521 NA External Works 513 days Thu 1/4/21 Thu 22/12/22 NA 180.5 days 148 0% 1/4 522 Road Widening Works (NCE no. 20) 388 days Thu 1/4/21 Tue 26/7/22 NA NA 180.5 days 0% 1/4 523 7 days Thu 1/4/21 524 1/4 🛯 13/4 Trial Pit Excavation & UU Detection Works Tue 13/4/21 NA NA 181 days 151 0% 14/4 25/6 26/6 25/7 524 NA NA 181 days 523 525 Diversion of existing UU (i.e. 3no. Street light) Fri 25/6/21 60 days Wed 14/4/21 0% 525 NA Temporary Site Access 30 days Sat 26/6/21 Sun 25/7/21 NA 220.5 days 524 527 0% 26/7 26/7 5/10 526 Drainage Works 150 days Mon 26/7/21 Sat 22/1/22 NA NA 180.5 days 0% 527 Trench Excavation and ELS works 60 days Mon 26/7/21 Tue 5/10/21 NA NA 180.5 days 525 528 0% 528 Pipe Laying Works 60 days Wed 6/10/21 Wed 15/12/21 NA NA 180.5 days 527 529 6/10 0% 529 16/12 💼 Backfilling and Reinstatement Works NA NA 180.5 days 528 531,530 30 days Thu 16/12/21 Sat 22/1/22 0% 530 Cable & Other Underground Utility Pipeworks 42 days Mon 24/1/22 Wed 16/3/22 NA NA 180.5 days 529 531 0% 24/1 531 Road Works 105 days Thu 17/3/22 Tue 26/7/22 NA NA 180.5 days 529,530 532 0% 1 NA 180.5 days 520,531 532 SW2 Construction of New Boundary Wall NA 44FF 125 days Wed 27/7/22 Thu 22/12/22 0%

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Status Date: 20 Mar 21

Contract No · DC/2018/06

Contract Title: Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1

- Civil Works for Sludge Treatment Facilities and 132kV Primary Substation

Milestone

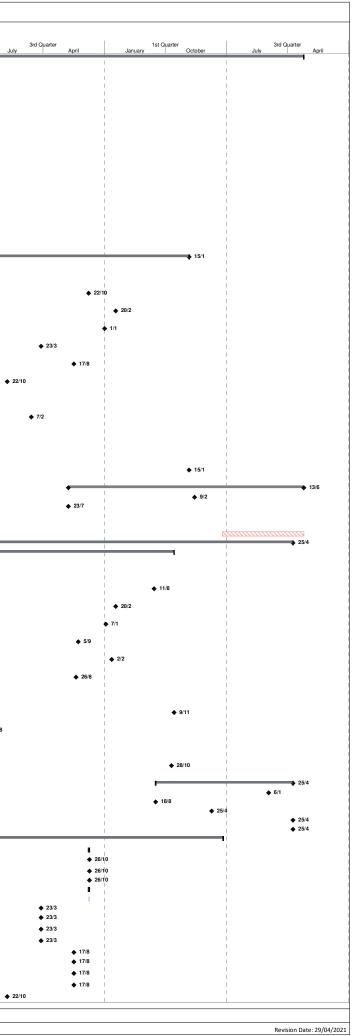
Page 9

Executive Summary (Status Date: 20/03/2021)

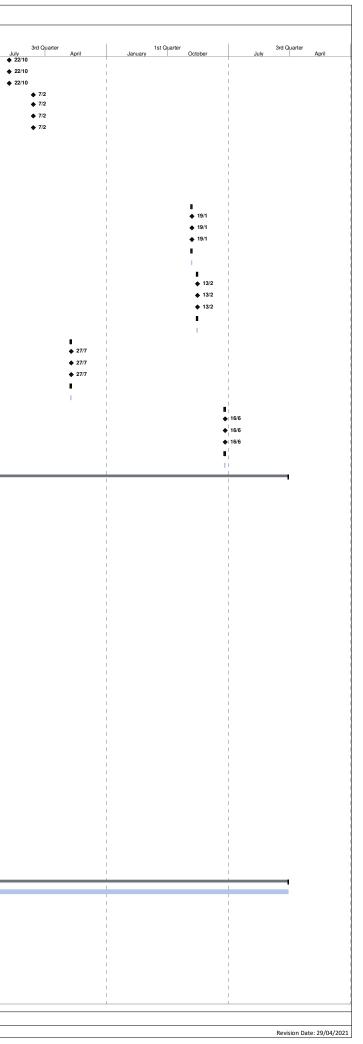


January September May	January	Septem	ber Ma	
29/11 9/5 17/10 27/3	4/9 12/2	22/7	30/12	9/6
8/11				
8/11				
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26/7				
27/7 22/12				

Activity ID Key Date	hing Plant - Main Works Stage 1 Task Name	CE for NCE/E PMI/CE no. Duration	Start	Finish A	Actual Start	Actual Finish	Predecessors	Successors	Total Slack Risk Allowar	nce % Complete Individual Critical Path		
		Weather									uarter	1st Quarter
CD-1000	Contract Dates	1651.5 day:		Fri 13/6/25	Mon 18/11/19			0.0.4050.000.1	0 days	0%	• • • • • • • • • • • • • • • • • • •	January Octob
CD-1010 CAD-1000	Starting Date Access Dates (cal. day)	0 day: 289 day:		Mon 18/11/19 Wed 2/9/20	Mon 18/11/19 Mon 18/11/19			8,9,13FS+290 days,14FS+3	0 days	100% 100%	♦ 18/11	
CAD-1010 CAD-1020	Portion B-1 (Access Road AR3) Portion B-1A (Area for the works for Sidestream Treatment Facilities by	0 day		Fri 10/1/20 Fri 10/1/20	Fri 10/1/20 Fri 10/1/20			191	0 days 0 days	100%	♦ 10/1	
	Others	0 day							0 days			
6 CAD-1030 7 CAD-1040	Portion B-2 (Inlet Works No.1) Portion B-2A (Area for the pipe-jacking works by others)	0 day: 0 day:		Fri 10/1/20 Fri 10/1/20	Fri 10/1/20 Fri 10/1/20			286,297	0 days 0 days	100%	♦ 10/1	
8 CAD-1050	Portion B-3 (Primary Sedimentation Tanks No. 1-4)	0 day.		Mon 18/11/19	Mon 18/11/19			323	0 days	100%	♦ 18/11	
9 CAD-1060 10 CAD-1070	Portion B-4 (Bioreactor No. 2A & 2B) Portion B-5 (Membrane Facilities Building No.2)	0 day		Mon 18/11/19 Tue 17/3/20	Mon 18/11/19 Tue 17/3/20			338 373,390,395	0 days	100%	♦ 18/11	17/2
10 CAD-1070	Portion B-5 (Memorane Pacifices Building No.2) Portion B-6 (SAS Pumping Station)	0 day: 0 day:		Mon 18/11/19	Mon 18/11/19			404	0 days 0 days	100%	♦ 18/11	17/3
12 CAD-1090 13 CAD-1100	Portion B-7 (Ancillary structures)	0 day		Mon 18/11/19	Mon 18/11/19			427	0 days	100%	♦ 18/11	♦ 2/9
14 CAD-1110	Portion B-7A (Alternation works for existing Power House) Portion B-8 (Alternation for existing Membrane Facilities Building No.1)	0 day: 0 day:		Wed 2/9/20 Wed 26/8/20	Wed 2/9/20 Wed 26/8/20		0 2FS+290 days 0 2FS+311 days	490FS-1 day 492FS-1 day	0 days 0 days	100%		<ul> <li>◆ 26/8</li> </ul>
15 CAD-1020	Portion B-8A (Alternation of air supply main for existing Air Blower House No.2)	0 day	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	92	483	0 days	100%	♦ 18/11	
16 CAD-1130	Portion B-9 (remainder works in Zone B)	0 day	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	92	493,508	0 days	100%	♦ 18/11	
17 CAD-1140	Portion B-9A (Area for the pipe-jacking works by others)	0 day		Mon 18/11/19	Mon 18/11/19				0 days	100%	♦ 18/11	
18 CAD-1150	Portion B-9B (Area for underground pipework modification and connection works by others)	0 day	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	Mon 18/11/19	92		0 days	100%	♦ 18/11	
19 CAD-1160	Portion B-9C (Area for the works for pipeworks)	0 day		Fri 24/7/20	Fri 24/7/20		0 2FS+151 days		0 days	100%		♦ 24/7
20 CKD-1000 21 CKD-1010	Key Dates (cal. day)           KD1A completion of AR3 in Portion B-1 (375 days after starting date)	1339.5 day: 0 day:		Mon 15/1/24 Fri 27/11/20	Sat 16/5/20 Fri 27/11/20		A 0 2FS+376 days		514.5 days 0 days	0% 100% IW		♦ 27/11
22 CKD-1020	KD1B completion of utilities diversion for commencement of Inlet Works No.1 in Portion B-2 (438.5 days after starting date)	0 day		Sat 30/1/21	Sat 30/1/21		1 2FS+439.5 days		0 days	100% IW		÷ ۹
23 CKD-1030	KD1C completion of civil and structural works of Inlet Works No.1 in Portion	0 days	Sat 22/10/22	Sat 22/10/22	NA	NA	A 2FS+1069.5 days	67	961 days	0% IW		
	B-2 (1068.5 days after starting date)					-	A 258 - 1101					
24 CKD-1040	KD1D completion of civil and structural works of Primary Sedimentation Tanks in Portion B-3 (1190days after starting date)	0 day	Mon 20/2/23	Mon 20/2/23	NA	NA	A 2FS+1191 days		843.5 days	0% IW		
25 CKD-1050	KD1E completion of civil and structural works of Bioreactor in Portion B-4 (1,140days after starting date)	0 day	Sun 1/1/23	Sun 1/1/23	NA	NA	A 2FS+1141 days		893.5 days	0% IW		
26 CKD-1060	KD1F completion of civil and structural works of MFB from B2 floor to 1st	0 day	Wed 23/3/22	Wed 23/3/22	NA	NA	A 2FS+856.5 days	70	1178 days	0% MFB, IW		
27 CKD-1070	floor level in Portion B-5 (855.5 days after starting date)				•			74				
21 UNU-10/0	KD1G completion of civil and structural works of MFB in Portion B-5 (1002.5 days after starting date)	i 0 day	Wed 17/8/22	Wed 17/8/22	NA	NA	A 2FS+1003.5 days	14	1031 days	0% MFB, IW		
28 CKD-1080	KD1H completion of civil and structural works of SAS Pumping Station in Portion B-6 (703.5 days after starting date)	0 day	Fri 22/10/21	Fri 22/10/21	NA	NA	A 2FS+704.5 days	78	1330 days	0% IW		
29 CKD-1090	KD1I completion alternation works for existing Power House in Portion B-7A	0 day	Sat 16/5/20	Sat 16/5/20	Sat 16/5/20	Sat 16/5/20	0 2FS+180.5 days		0 days	100% IW		
30 CKD-1100	(179.5days after access date of B-7A) KD1J completion of auxiliary facilites in Portion B-7 (811.5 days after	0 day	Mon 7/2/22	Mon 7/2/22	NA		A 2FS+812.5 days	82	1222 days	0% IW		
	starting date)	Uday						v£				
31 CKD-1110	KD2A completion of effluent pipes to UV system and connection to its downstream in Portion B-9 (574.5 days after starting date)	0 day	Tue 15/6/21	Tue 15/6/21	NA	NA	A 2FS+575.5 days	89	1455 days	0% IW		
32 CKD-1120	KD2B completion of air supply main alternation to existing air blower house	0 day	Fri 26/3/21	Fri 26/3/21	Fri 26/3/21	Fri 26/3/21	1 2FS+495 days		0 days	100% IW		
33 CKD-1130	No.2 in Portion B-8A (494 days after starting date)	0 day	Mon 15/1/24	Mon 15/1/24	NA	NA	A 2FS+1520 days	95	510.5 days	0% IW		
	KD3A completion of all utilities and road works (1519 days after starting date)	0 day	WOT 13/1/24		NA.	4/1	5. 1020 days		- 10.0 Guyo	070100		
34 CCD-1000 35 CCD-1010	Completion Date (cal. Day) Section 1 of the Works (1,543.5 after starting date)	<b>1056 day:</b> 0 day:		Fri 13/6/25 Fri 9/2/24	NA NA		4 A2FS+1544.5 days	101	0 days	0% 0% MFB, IW		
36 CCD-1020	Section 1 of the Works (1,543.5 after starting date) Section 2 of the Works (977.5 after starting date)	0 day: 0 day:		Sat 23/7/22	NA	NA	A 2FS+978.5 days	107	0 days	0% MFB, IW		
37 CCD-1030	Section 3 of the Works (1,667.5 after starting date)	0 day		Wed 12/6/24	NA		A 2FS+1668.5 days	39FS+1 day,113,38FS+1 da		0% IW		
38 CCD-1040 39 CCD-1050	Defects Liability Period Landscape Establishment Works	365 day 365 day		Fri 13/6/25 Fri 13/6/25	NA		A 37FS+1 day A 37FS+1 day		0 days 0 days	0% IW 0% IW		
40 PD-1000 *	Planned Completion	1668 day	Wed 30/9/20	Fri 25/4/25	Wed 30/9/20	NA	4		48.5 days	9%		-
41 PCD-1000 * 42 PKD-1010 KD1A	Planned Completion - Key Dates (cal. day)           A         KD1A completion of AR3 in Portion B-1 (300days after starting date)	1135 day: 0 day:		Thu 9/11/23 Wed 30/9/20	Wed 30/9/20 Wed 30/9/20				67 days	99%		♦ 30/9
43 PCD-1020 KD18		0.5 day		Fri 22/1/21	Fri 22/1/21		1 202FF,285FF,275FF,282FF,240FF,238F	F	0 days	100%		↓ 50/3
44 PCD-1030 KD10		0 day	Fri 11/8/23	Fri 11/8/23	NA	NA	A 320FF,319FF,311FF,315FF		-294 days	0%	-	
	B-2 (990days after starting date)											
45 PCD-1040 KD1E	D KD1D completion of civil and structural works of Primary Sedimentation Tanks in Portion B-3 (1190days after starting date)	0 day	Mon 20/2/23	Mon 20/2/23	NA	NA	A 334FF,333FF		0 days	0%	1	
46 PCD-1050 KD18	E KD1E completion of civil and structural works of Bioreactor in Portion B-4 (1 140days after starting date)	0 day	Sat 7/1/23	Sat 7/1/23	NA	NA	A 362FF,365FF,363FF,364FF		-6 days	0%	1	
47 PCD-1060 KD1F	(1,140days after starting date) KD1F completion of civil and structural works of MFB from B2 floor to 1st	0 day	Mon 5/9/22	Mon 5/9/22	NA	NA	400FF		-167 days	0% MFB	-	
	floor level in Portion B-5 (800days after starting date)	0 day										
48 PCD-1070 KD10	G KD1G completion of civil and structural works of MFB in Portion B-5 (950days after starting date)	0 day	5 Thu 2/2/23	Thu 2/2/23	NA	NA	401FF		-170 days	0% MFB		
49 PCD-1080 KD1H	<ul> <li>KD1H completion of civil and structural works of SAS Pumping Station in Portion 8-6 (630/days after starting date)</li> </ul>	0 day	Fri 26/8/22	Fri 26/8/22	NA	NA	425FF,424FF		-309 days	0%		
50 PCD-1090 KD1I	Portion B-6 (630days after starting date) KD1I completion alternation works for existing Power House in Portion B-7A	1 da	Fri 29/1/21	Fri 29/1/21	Fri 29/1/21	Fri 29/1/21	1 490FF		0 days	100%		♦:
	(150days after access date of B-7A)											•
51 PCD-1100 KD1J	KD1J completion of auxiliary facilities in Portion B-7 (800days after starting date)	0 day	5 Thu 9/11/23	Thu 9/11/23	NA	NA	A 464FF,463FF,442FF,441FF,475FF,474F	F	-641 days	0%		
52 PCD-1110 KD24	A KD2A completion of effluent pipes to UV system and connection to its downetcoam in Partice B-9 (495days after starting data)	0 day	Wed 4/8/21	Wed 4/8/21	NA	NA	A 494FF,496FF		-47.8 days	0%		
53 PCD-1120 KD2E	downstream in Portion B-9 (495days after starting date) KD2B completion of air supply main alternation to existing air blower bouse	1 da;	Fri 26/3/21	Fri 26/3/21	Fri 26/3/21	Fri 26/2/24	1 483FF,487FF,488FF,489FF		0 days	100%		
	No.2 in Portion B-8A (420days after starting date)											
54 PCD-1130 KD34	A KD3A completion of all utilities and road works (1440days after starting date)	0 day	Sat 28/10/23	Sat 28/10/23	NA	NA	A 507FF		79 days	0%		
55 PCD-1000 *	Planned Completion Date (cal. Day)	616 day:	Fri 18/8/23	Fri 25/4/25	NA	NA	A		-392 days	0%		
56 PCD-1010 SW1		0 day		Mon 6/1/25	NA		443FF,476FF,470FF,437FF,458FF,452F		-333 days	0% MFB		
57 PCD-1020 SW2 58 PCD-1030 SW3		0 day: 0 day:		Fri 18/8/23 Thu 25/4/24	NA		A 502FF,505FF,506FF,504FF,503FF,322F A 492FF,509FF,510FF,511FF	-r	-392 days 47 days	0% MFB 0%		
59 PCD-1040 DLP	Defects Liability Period	0 day	Fri 25/4/25	Fri 25/4/25	NA	NA	A 512FF,149FF		48.5 days	0%		
60 PCD-1050 61 ET-1000	Landscape Establishment Works Effects from Inclement Weather and Other Time Affected Events	0 day: 1097 day:		Fri 25/4/25 Sun 16/6/24	NA NA		A 512FF		48.5 days 362 days	0% 0% IW		
62 ET1C-1000	Effects to KD1C	4 day:			NA				961 days	0% IW		
63 ET1C-1100	Inclement Weather to KD1C (cal. Day)	0 day:		Wed 26/10/22	NA				961 days	0% IW		
64 ET1C-1110 65 ET1C-1120	Delay and Disruption of Works before March 2021	0 day		Wed 26/10/22 Wed 26/10/22	NA		A 67 A 64	65	961 days	0% IW 0% IW		
65 ET1C-1120 66 ET1C-1200	Delay and Disruption of Works in March 2021 Other Events to KD1C (not all)	0 day: 4 day:		Wed 26/10/22 Wed 26/10/22	NA NA				961 days 961 days	0% IW		
67 ET1C-1210	Special working arrangement due to COVID-19 in January 2020	4 day		Wed 26/10/22	NA		A 23	64	961 days	0% IW		
68 ET1F-1000 69 ET1F-1100	Effects to KD1F Inclement Weather to KD1F (cal. Day)	0 day: 0 day:		Wed 23/3/22 Wed 23/3/22	NA				1178 days 1178 days	0% IW 0% IW		
<sup>70</sup> ET1F-1100	Delay and Disruption of Works before March 2021	0 day.		Wed 23/3/22	NA		A 26	71	1178 days	0% IW		
71 ET1F-1120	Delay and Disruption of Works in March 2021	0 day		Wed 23/3/22	NA		A 70		1178 days	0% IW		
72 ET1G-1000	Effects to KD1G	0 day		Wed 17/8/22	NA				1031 days	0% IW		
73 ET1G-1100	Inclement Weather to KD1G (cal. Day)	0 day:		Wed 17/8/22	NA				1031 days	0% IW		
74 ET1G-1110	Delay and Disruption of Works before March 2021	0 day		Wed 17/8/22	NA		A 27	75	1031 days	0% IW		
75 ET1G-1120	Delay and Disruption of Works in March 2021	0 day:	Wed 17/8/22	Wed 17/8/22	NA		A 74		1031 days	0% IW		
76 ET1H-1000	Effects to KD1H	0 day	Fri 22/10/21	Fri 22/10/21	NA	. NA			1330 days	0% IW		



Hui Effluent Polish	ing Plant - Main Works Stage 1 Task Name	CE for NCE/E PMI/CE no.	Duration	Start	Finish A	Actual Start A	Actual Finish Predecessors	Revised Works Programme	Total Slack Risk Allowa	ance % Complete Individual Critical Path		
Date	Task Name	Inclement Weather	Duration	Start	rinsi P	Actual Start P	riedecessors	Successors	TOTAL SIGCK HISK Allowa	ance % complete intrividual citical Patri		
			0 4949	E-1 00/40/04	E-1 00/40/04	NA	NA		1000 daus	00/ 11//	uarter April	1st Quarter January October
IH-1100 IH-1110	Inclement Weather to KD1H (cal. Day) Delay and Disruption of Works before March 2021		0 days 0 days	Fri 22/10/21 Fri 22/10/21	Fri 22/10/21 Fri 22/10/21	NA	NA NA 28	79	1330 days 1330 days	0% IW	-	
H-1120	Delay and Disruption of Works in March 2021		0 days	Fri 22/10/21	Fri 22/10/21	NA	NA 78		1330 days	0% IW	-	
H-1000	Effects to KD1J		0 days	Mon 7/2/22	Mon 7/2/22	NA	NA		1222 days	0% IW		
H-1100	Inclement Weather to KD1J (cal. Day)		0 days	Mon 7/2/22	Mon 7/2/22	NA	NA		1222 days	0% IW		
H-1110	Delay and Disruption of Works before March 2021		0 days	Mon 7/2/22	Mon 7/2/22 Mon 7/2/22	NA	NA 30 NA 82	83	1222 days	0% IW	_	
H-1120 A-1000	Delay and Disruption of Works in March 2021 Effects to KD2A		0 days 4 days	Mon 7/2/22 Tue 15/6/21	Sat 19/6/21	NA	NA 62		1222 days 1455 days	0% IW 0% IW	-	
2A-1100	Inclement Weather to KD2A (cal. Day)		0 days	Sat 19/6/21	Sat 19/6/21	NA	NA		1455 days	0% IW		
A-1110	Delay and Disruption of Works before March 2021		0 days	Sat 19/6/21	Sat 19/6/21	NA	NA 89	87	1455 days	0% IW	-	
2A-1120	Delay and Disruption of Works in March 2021		0 days	Sat 19/6/21	Sat 19/6/21	NA	NA 86		1455 days	0% IW		
2A-1200	Other Events to KD2A (not all)		4 days	Tue 15/6/21	Sat 19/6/21	NA	NA 31		1455 days	0% IW		
2A-1210	Special working arrangement due to COVID-19 in January 2020 Effects to KD3A		4 days 4 days	Tue 15/6/21 Tue 16/1/24	Sat 19/6/21 Fri 19/1/24	NA NA	NA 31 NA	86	1455 days 510.5 days	0% IW		
A-1100	Inclement Weather to KD3A (cal. Day)		0 days	Fri 19/1/24	Fri 19/1/24	NA	NA		510.5 days	0% IW	-	
A-1110	Delay and Disruption of Works before March 2021		0 days	Fri 19/1/24	Fri 19/1/24	NA	NA 95	93	510.5 days	0% IW	-	
BA-1120	Delay and Disruption of Works in March 2021		0 days	Fri 19/1/24	Fri 19/1/24	NA	NA 92		510.5 days	0% IW		
3A-1200	Other Events to KD3A (not all)		4 days	Tue 16/1/24	Fri 19/1/24	NA	NA		510.5 days	0% IW		
3A-1210	Special working arrangement due to COVID-19 in January 2020 Effects to Section 1 of the Works		4 days	Tue 16/1/24 Fri 9/2/24	Fri 19/1/24 Tue 13/2/24	NA NA	NA 33 NA	92	510.5 days	0% IW 0% IW	-	
51-1000 51-1100	Inclement Weather to Section 1 of the Works (cal. Day)		4 days 0 days	Tue 13/2/24	Tue 13/2/24 Tue 13/2/24	NA	NA		486 days 486 days	0% IW	-	
\$1-1110	Delay and Disruption of Works before March 2021		0 days	Tue 13/2/24	Tue 13/2/24	NA	NA 101	99	486 days	0% IW	1	
1-1120	Delay and Disruption of Works in March 2021		0 days	Tue 13/2/24	Tue 13/2/24	NA	NA 98		486 days	0% IW	¦	
1-1200	Other Events to Section 1 of the Works (not all)		4 days	Fri 9/2/24	Tue 13/2/24	NA	NA		486 days	0% IW	- 1	
1-1210 2-1000	Special working arrangement due to COVID-19 in January 2020 Effects to Section 2 of the Works		4 days	Fri 9/2/24 Sat 23/7/22	Tue 13/2/24 Wed 27/7/22	NA NA	NA 35 NA	98	486 days 1052 days	0% IW 0% IW	-	
2-1000	Inclement Weather to Section 2 of the Works (cal. Day)		4 days 0 days	Sat 23/7/22 Wed 27/7/22	Wed 27/7/22 Wed 27/7/22	NA	NA		1052 days	0% IW	1	
52-1110	Delay and Disruption of Works before March 2021		0 days	Wed 27/7/22	Wed 27/7/22	NA	NA 107	105	1052 days	0% IW	1	
2-1120	Delay and Disruption of Works in March 2021		0 days	Wed 27/7/22	Wed 27/7/22	NA	NA 104		1052 days	0% IW		
2-1200	Other Events to Section 2 of the Works (not all)		4 days	Sat 23/7/22	Wed 27/7/22	NA	NA		1052 days	0% IW		
52-1210 53-1000	Special working arrangement due to COVID-19 in January 2020 Effects to Section 3 of the Works		4 days	Sat 23/7/22 Wed 12/6/24	Wed 27/7/22 Sun 16/6/24	NA NA	NA 36	104	1052 days 362 days	0% IW 0% IW		
53-1000 53-1100	Inclement Weather to Section 3 of the Works (cal. Day)		4 days 0 days	Sun 16/6/24	Sun 16/6/24 Sun 16/6/24	NA	NA		362 days 362 days	0% IW	-	
53-1110	Delay and Disruption of Works before March 2021		0 days	Sun 16/6/24	Sun 16/6/24	NA	NA 113	111	362 days	0% IW	-	
3-1120	Delay and Disruption of Works in March 2021		0 days	Sun 16/6/24	Sun 16/6/24	NA	NA 110		362 days	0% IW		
3-1200	Other Events to Section 3 of the Works (not all)		4 days	Wed 12/6/24	Sun 16/6/24	NA	NA		362 days	0% IW		
3-1210 3-1000	Special working arrangement due to COVID-19 in January 2020		4 days	Wed 12/6/24 Mon 18/11/19	Sun 16/6/24 Wed 26/3/25	NA Mon 18/11/19	NA 37 NA	110	362 days 78.5 days	0% IW		
3S-1000	Submissions (cal.day) Subletting Package		1956 days 562 days	Mon 18/11/19 Mon 18/11/19	Tue 1/6/21	Mon 18/11/19 Mon 18/11/19	NA		638 days	50% 76%		
BS-1010 BS-1020	Prepare & submit subletting procedure PM review and accept subletting procedure		12 days 12 days	Mon 18/11/19 Sat 30/11/19	Fri 29/11/19 Wed 11/12/19	Mon 18/11/19 Sat 30/11/19	Fri 29/11/19 2 Wed 11/12/19 116	117 138,118,121,120,119	0 days 0 days	100%		٦
BS-1020 BS-1030	Subletting for demolition works		12 days 93 days	Sat 30/11/19 Tue 17/12/19	Wed 11/12/19 Wed 18/3/20	Tue 17/12/19	Wed 18/3/20 117,150	327,428,286,373,490,346		100%	-	
BS-1040	Subletting for UU diversion for Inlet Works No.1		78 days	Fri 10/1/20	Fri 27/3/20	Fri 10/1/20	Fri 27/3/20 117	202	0 days	100%		
3S-1050 3S-1060	Subletting for Inspection pit excavation Subletting for Preliminary Works (topographic surveying)		56 days 54 days	Thu 19/12/19 Fri 20/12/19	Wed 12/2/20 Tue 11/2/20	Thu 19/12/19 Fri 20/12/19	Wed 12/2/20 117,150 Tue 11/2/20 117,150	204,122 155,188,125,126,127,123	0 days 0 days	100%	_	
IS-1070	Subletting for AR3 access road		0 days	Fri 13/12/19	Tue 11/2/20	Fri 13/12/19	Tue 11/2/20 120	123,200	0 days	100%		
3S-1080 3S-1090	Subletting for pre-drilling works Subletting for Contractor designer for temporary works and ICE		38 days 71 days	Thu 6/2/20 Mon 16/12/19	Fri 20/3/20 Mon 24/2/20	Thu 6/2/20 Mon 16/12/19	Fri 20/3/20 121,122 Mon 24/2/20 123	419,328,385,124 332,361,423,445,454,433,4	0 days 6(0 days	100%	-	4
BS-1100	Subletting for independent BIM consultant		0 days	Wed 11/12/19	Thu 23/1/20	Wed 11/12/19	Thu 23/1/20 121	183	0 days	100%		
BS-1110 BS-1120	Subletting for independent BIM services Subletting for Design, Supply & Install of Temporary Activated Carbon		15 days 0 days	Tue 14/1/20 Fri 13/12/19	Wed 26/2/20 Tue 11/2/20	Tue 14/1/20 Fri 13/12/19	Wed 26/2/20 121 Tue 11/2/20 121	183 128,129	0 days 0 days	100%		
	Deodorization Units (E&M Works)											
BS-1130 BS-1140	Subletting for pre-bored H pile works Subletting for Sheetpile installation works		45 days 45 days	Sun 5/7/20 Tue 1/9/20	Tue 18/8/20 Thu 15/10/20	Sun 5/7/20 Tue 1/9/20	Tue 18/8/20 127 Thu 15/10/20 127	299,329,357,386,420 302,330,359,422,130,131	0 days 0 days	100%	-	_
BS-1150	Subletting for ELS works for Inlet Works No.1		85 days	Fri 16/10/20	Fri 8/1/21	Fri 16/10/20	Fri 8/1/21 129	304	0 days	100%		
3S-1160	Subletting for ELS works for Membrance Facilities Building and other buildings		85 days	Fri 16/10/20	Fri 8/1/21	Fri 16/10/20	Fri 8/1/21 129	332,361,423,132,133,134,1	3:0 days	100%		
BS-1170	Subletting for structural works for Inlet Works Building		48 days	Sat 9/1/21	Thu 25/2/21	NA	NA 131	307	42 days	0%		•
BS-1180 BS-1190	Subletting for structural works for Primary Sedimentation Tanks Subletting for structural works for Bioreactors		48 days 48 days	Sat 9/1/21 Sat 9/1/21	Thu 25/2/21 Thu 25/2/21	NA	NA 131 NA 131	333 362	610 days 39 days	0%	-	
BS-1200	Subletting for structural works for Membrance Facilities Building		48 days	Sat 9/1/21	Thu 25/2/21	NA	NA 131	396	203 days	0%		
3S-1210	Subletting for structural works for SAS pumping house and ancillary structures		48 days	Sat 9/1/21	Thu 25/2/21	NA	NA 131	424,137	10 days	0%		•
BS-1220	Subletting for ABWF works		48 days	Fri 26/2/21	Wed 14/4/21	NA	NA 136	321,335,369,426,452,458,4		0%		e e
BS-1230 BS-1240	Subletting for Process Pipeworks, Utilities and Roadworks Subletting for Landscape Hardworks and Softworks		150 days 48 days	Fri 22/5/20 Thu 15/4/21	Sun 18/10/20 Tue 1/6/21	Fri 22/5/20 NA	Sun 18/10/20 117 NA 137	483,494,502,503,504,505,5 510,511,512	0 0 days 638 days	100%	-  i	
3S-1250	Subletting for Trial dewatering works and solitions subletting for Trial dewatering works and installation of additional stop logs at BR2 connon channel due to malfucnitioned of existing penstock at FST		15 days	Tue 15/9/20	Tue 29/9/20	Tue 15/9/20	Tue 29/9/20	340	0 days	100%		
	no. 5 and 7 (EWN 055)											
BS-1260	Subletting for Diversion of Power supply for existing Slaghter House pump station (CE 034)		14 days	Mon 21/9/20	Sun 4/10/20	Mon 21/9/20	Sun 4/10/20		0 days	100%		
3S-1270	Subletting for Decommission of exisiting power and signal systems in		14 days	Mon 21/9/20	Sun 4/10/20	Mon 21/9/20	Sun 4/10/20	407	0 days	100%	-  -	
	leachate Pump station switch room (PMI 039)											-
IS-1280	Subletting for Diversion of Existing DN250 Leachate Raising Main (PPMI 025)		31 days	Mon 21/9/20	Wed 21/10/20	Mon 21/9/20	Wed 21/10/20		0 days	100%		-
BS-1290	Subletting for Construction of Cable trough for CLP 11kv Cable Diversion (PPMI 041)		31 days	Mon 21/9/20	Wed 21/10/20	Mon 21/9/20	Wed 21/10/20	408,420	0 days	100%	1	-
BS-1300	(PPMI 041) Subletting for Demolition of Existing Pillar box and its concrete plinth (CE		31 days	Mon 21/9/20	Wed 21/10/20	Mon 21/9/20	Wed 21/10/20	409	0 days	100%	-  :	
	030)											
3S-1310	Subletting for Excavation to locate existing underground cable near SAS Pump Station (PPMI 038)		31 days	Mon 21/9/20	Wed 21/10/20	Mon 21/9/20	Wed 21/10/20	410	0 days	100%	1	-
S-1320	Subletting for Diversion of pumping system sewerage (PPMI 083)		31 days	Mon 21/9/20	Wed 21/10/20	Mon 21/9/20	Wed 21/10/20	414	0 days	100%	1	
A-1000	Statutory Submission, Submission and Approval Liaison with operator of SWHSTW and obtain their consent of associated		1956 days 1584 days	Mon 18/11/19 Mon 18/11/19	Wed 26/3/25 Wed 26/3/25	Mon 18/11/19 Mon 18/11/19	NA 2	59FF	78.5 days 67.5 days	43%	4 ====	
	method statement of major activities											
A-1020 A-1030	Prepare and submit Subcontractor Management Plan (SMP) Prepare and submit Interface Management Plan		24 days 36 days	Mon 18/11/19 Mon 18/11/19	Wed 11/12/19 Mon 23/12/19	Mon 18/11/19 Mon 18/11/19	Wed 11/12/19 2 Mon 23/12/19 2	118,121,120	0 days 0 days	100%		J
3A-1030 3A-1040	Prepare and submit the TTA plans inside Treatment Plant for UU diversion		24 days	Mon 18/11/19 Mon 18/11/19	Wed 11/12/19	Mon 18/11/19 Mon 18/11/19	Wed 11/12/19 2	191	0 days	100%		
BA-1050	and buildings construction Prepare and submit method statement for UU diversion for Inlet Works No. <sup>1</sup>		12 days	Mon 18/11/19	Fri 29/11/19	Mon 18/11/19	Fri 29/11/19 2	154	0 days	100%		
	opure and examine institud statement for OU urversion for inlinet WORKS NO.		12 days						- 0490	100 /0		
A-1060	PM review and accept the method statement Prepare and submit combine underground services drawing for PM's review		0 days 23 days	Sat 30/11/19 Thu 26/12/19	Wed 11/12/19 Sat 18/1/20	Sat 30/11/19 Thu 26/12/19	Wed 11/12/19 153 Sat 18/1/20 121	203,204	0 days 0 days	100%	-l • <u>i</u>	
	Prepare and submit combine underground services drawing for PM's review the alignment		∠3 days	mu 20/12/19								
A-1070							Ward 00/4/00 0	070 007 100 000 100 010				
A-1070 A-1080 A-1090	Prepare and submit method statement for demolition existing structures Prepare and submit method statement for structural works for buildings		66 days 197 days	Mon 18/11/19 Mon 18/11/19	Wed 22/1/20 Mon 1/6/20	Mon 18/11/19 Mon 18/11/19	Wed 22/1/20 2 Mon 1/6/20 2	373,327,428,286,490,346	0 days 0 days	100%		

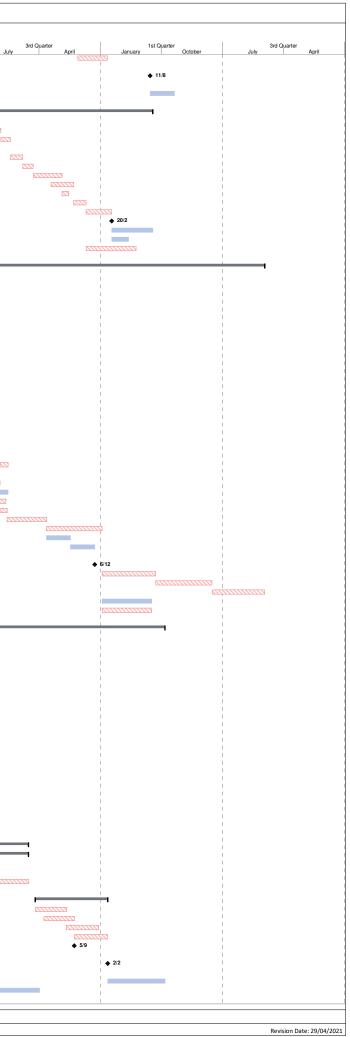


	ing Plant - Main Works Stage 1							Revised Works Program			1			
ctivity ID Key Date		CE for NCE/E PMI/CE no.	Duration	Start	Finish Act	tual Start Ac	tual Finish Predecessors	Successors	Total Slack	Risk Allowance % Complete Individual Critical Path				
		Weather									uarter 1st Quarter April January October	3rd Quarter	1st Quarter January October	3rd Quarter July
BA-1100	Prepare and submit method statements to MTRC regarding the works within railing protection boundary.		92 days	Sat 1/2/20	Mon 25/5/20	Sat 1/2/20	Mon 25/5/20 2	327,428,490,286,346	0 days	100%	April January October	July April	January October	July
A-1110	railing protection boundary Prepare and submit & approve Safety Management Plan		3 days	Mon 18/11/19	Wed 20/11/19	Mon 18/11/19	Wed 20/11/19 2		0 days	100%			r I	1
A-1120	Prepare and submit Excavation and lateral support (ELS) proposal		128 days	Mon 10/2/20		Mon 10/2/20	Tue 16/6/20 2		0 days	100%			1	
A-1130	Prepare and submit Dewatering proposal for basement construction		165 days	Mon 10/2/20		Mon 10/2/20	Thu 23/7/20 2		0 days	100%			1	· 
-1140	Prepare and submit Pre-construction condition survey of existing structures/ services		0 days	Mon 18/11/19	Fri 6/3/20	Mon 18/11/19	Fri 6/3/20 188		0 days	100%			1	
A-1150	Prepare and submit Settlement and movement monitoring proposal of		110 days	Mon 18/11/19	Fri 6/3/20	Mon 18/11/19	Fri 6/3/20 188		0 days	100%			1	1
	existing structures/ services												1	
A-1160	Prepare and submit design of structure elements of the temporary activated carbon deodourization unit		60 days	Mon 18/11/19	Mon 16/3/20	Mon 18/11/19	Mon 16/3/20 2FS+60 days		0 days	100%	· · · · · · · · · · · · · · · · · · ·		1	1
A-1170	Prepare of RSE and structural design for alternation and additional (A&A)		180 days	Mon 18/10/21	Fri 15/4/22	NA	NA	492	332 days	0%			1	
	works at Membrane Facilities Building No.1										1		1	1
BA-1180	Prepare of RSE and structural design for alternation and additional (A&A) works at Main Power House		60 days	Mon 6/7/20	Thu 3/9/20	Mon 6/7/20	Thu 3/9/20	490	0 days	100%			1	
BE-1000	Environmental Aspect Submissions		81 davs	Mon 18/11/19	Thu 6/2/20	Mon 18/11/19	Thu 6/2/20		0 days	100%			i.	I
BE-1010	Prepare, submit & approve Site Management Plan for Trip Tricket		66 days	Mon 18/11/19	Wed 22/1/20	Mon 18/11/19	Wed 22/1/20 2		0 days	100%			1	l I
	System										i i		i I	l
BE-1020	Prepare, submit & approve Waste Management Plan		81 days	Mon 18/11/19		Mon 18/11/19	Thu 6/2/20 2		0 days	100%			1	l I
BE-1030 BP-1000	Prepare, submit & approve Environmental Management Plan  Procurement		66 days 648 days	Mon 18/11/19 Mon 18/11/19		Mon 18/11/19 Mon 18/11/19	Wed 22/1/20 2		0 days 642 days	100% 81%			i I	1
P-1010	Prepare and submit the Procurement Procedure		2 days	Mon 18/11/19		Mon 18/11/19	Tue 19/11/19 2	173	0 days	100%		•	1	
BP-1020	PM Review & Accept Procurement Procedure		21 days	Tue 19/11/19		Tue 19/11/19	Tue 10/12/19 172	174,175,176,177,178,17		100%			i I	
BP-1030	Prepare, submit and approve the pipe works material		34 days	Thu 6/2/20		Thu 6/2/20	Tue 10/3/20 173	202,483,503,504,506,50		100%			1	
BP-1040 BP-1050	Prepare, submit and approve the water proofing material Prepare, submit and approve the concrete mix material		25 days	Mon 2/8/21		NA Mon 3/2/20	NA 173 Sat 2/5/20 173	314,318 307,362,424,396	-73 days	0%			1	1
3P-1050 3P-1060	Prepare, submit and approve the concrete mix material Prepare, submit and approve the rebar material		90 days 49 days	Mon 3/2/20 Sat 23/5/20		Sat 23/5/20	Fri 10/7/20 173	307,362,424,396	0 days 0 days	100%			1	1
BP-1070	Prepare, submit and approve the metal works material		48 days	Tue 1/9/20				307,362,424,396	0 days	100%			1	1
BP-1080	Prepare, submit and approve the ABWF works material		48 days	Mon 1/3/21		NA	NA 173	321,335,369,426,452,45		0%			1	1
P-1090	Prepare, submit and approve the protective lining to concrete		48 days	Tue 1/9/20		Tue 1/9/20	Sun 18/10/20 173	307,362,424,396	0 days	100%			l I	1
P-1100 B-1000	Prepare, submit and approve the multi-part covers		21 days 1562 days	Tue 5/5/20 Mon 18/11/19		Tue 5/5/20 Mon 18/11/19	Mon 25/5/20 173		0 days 89.5 days	100%			I	·
BB-1000 BB-1010	Prepare, submit and approve the proposal of details of Common data		37 days	Mon 18/11/19 Mon 18/11/19		Mon 18/11/19 Mon 18/11/19	Wed 1/4/20 125,126	184	0 days	10%			1	<b></b>
	environment (CDE)							-					1	l
	Prepare and submit BIM submission		1451 days	Thu 2/4/20		Thu 2/4/20	NA 183		89.5 days	14%			·	· · · · · · · · · · · · · · · · · · ·
000 *	Construction Works (Working day)		1986 days	Mon 18/11/19	Fri 25/4/25	Mon 18/11/19	NA Tuo 17/2/20		48.5 days	37%			I.	
V-1000 V-1000	Preliminary Works Initial Survey		121 days 10 days	Mon 18/11/19 Mon 18/11/19		Mon 18/11/19 Mon 18/11/19	Tue 17/3/20 Thu 28/11/19 2	188	0 days 0 days	100% 100%			1	1
W-1000 W-2000	Condition Survey		10 days 89 days	Mon 18/11/19 Mon 18/11/19		Mon 18/11/19 Mon 18/11/19	Fri 6/3/20 121,187	188 189,162,163,190	0 days 0 days	100%			r I	1
W-3000	Installation of Monitoring Markers		78 days	Fri 29/11/19		Fri 29/11/19	Thu 5/3/20 188		0 days	100%			l.	l
W-4000	Tree Felling Works	22, 235	9 days	Sat 7/3/20		Sat 7/3/20	Tue 17/3/20 188		0 days	100%			1	1
R-0000 *	Access Road (AR3), B-1		238 days	Thu 12/12/19		Thu 12/12/19	Wed 30/9/20 4,152		0 days	100%			I	· 
8-1000	Site setup and clearance wroks	05	38 days	Mon 20/1/20		Mon 20/1/20	Fri 6/3/20	193	0 days	100%	- ! ! ! ! ! ! !		1	
R-1001	Awaiting for AECOM instruction for alignment confirmation for road works	055	5 days	Mon 17/2/20	Thu 12/3/20	Mon 17/2/20	Thu 12/3/20 192	194	0 days	100%			i Î	1
R-1002	Additional Works in Access Road AR3 to Settle Left-in Material by Contract	031 215-1	4 days	Thu 21/5/20	Mon 25/5/20	Thu 21/5/20	Mon 25/5/20 193	195	0 days	100%			1	1
	DC/2016/07												r I	1
R-2000	Drainage and Utilities Works		75 days			Sat 7/3/20	Tue 9/6/20 194	196	0 days	100%			Î.	I
AR-2000a AR-2000b	Trimming of Existing Sheet Piles in Access Road AR3 Installation of Multi-part Cover and Manhole Cover of Chamber RP6 and	215-2 215	20 days 7 days	Tue 14/7/20 Fri 28/8/20		Tue 14/7/20 Fri 28/8/20	Wed 5/8/20 195 Fri 4/9/20 196	197	0 days 0 days	100%			1	
A11-20000	Associated Concreting Works in Portion B-1	215	/ days	11120/0/20	1114/3/20	11120/0/20	114/3/20130	150	0 days	10078			l.	1
AR-2001	Diversion of Existing Underground Cables in Portion B-1A	036	172 days	Thu 5/3/20	Wed 30/9/20	Thu 5/3/20	Wed 30/9/20 197	200	0 days	100%			1	1
CAR-2002	Additional U-channel, beam barrier and footway concrete pavement	055	60 days	Thu 12/12/19		Thu 12/12/19	Wed 26/2/20	200	0 days	100%			1	1
CAR-3000 KD1A			133 days	Fri 24/4/20		Fri 24/4/20	Wed 30/9/20 122,199,198	42FF	0 days	100%			Í.	I
IW-0000 * IW-1000	Inlet Works No.1, B-2 Diversion Works (1. Inlet Trunk Sewer, Leachate Rising Mains, Sludge		1188 days 459 days	Tue 26/11/19 Tue 26/11/19		Tue 26/11/19 Tue 26/11/19	NA 174,119	43FF	59 days 36 days	47%				
	Pipes, Tank Drains and Pipelines near Primary Sludge Thinkeners)		400 days	100 2011110	100 10021	100 20 11/10			oo uuyo		i i		Î.	i
													1	1
CIW-1100	Utilities scanning to idenify existing UU arrangement		0 days	Fri 13/12/19		Fri 13/12/19	Sat 18/1/20 154	204SS,206	0 days	100%	i		i.	I
IW-1200 IW-1300	Trial pits to locate the collection points Installation and Commissioning of Temporary Activated Carbon		0 days 98 days	Mon 6/1/20 Wed 11/3/20	Tue 10/3/20 Sat 11/7/20	Mon 6/1/20 Wed 11/3/20	Tue 10/3/20 154,203SS,120 Sat 11/7/20	222,241	0 days 0 days	100%			1	1
	Deodorization Unit for the Existing Inlet Works		oo dayo	1100 1110 20	04 11/120	1100 1110/20			o dayo	100,0	i i i i i i		i l	l
V-1310	Construction of concrete plinth		24 days	Wed 11/3/20	Wed 8/4/20	Wed 11/3/20	Wed 8/4/20 203	207	0 days	100%			1	
W-1320	Installation of Deodorizer		40 days	Thu 9/4/20	Sat 30/5/20	Thu 9/4/20	Sat 30/5/20 206	208	0 days	100%			1	l
W-1330	Testing & commissioning		15 days	Mon 1/6/20		Mon 1/6/20	Wed 17/6/20 207	209FS-1 day	0 days	100%			1	1
W-1340 W-1400	Demolishment of the existing carbon deodorization unit Diversion of Inlet Trunk Sewer (approx. 40m 1800mm dia concrete		20 days 374 days?	Wed 17/6/20 Mon 9/3/20		Wed 17/6/20 Mon 9/3/20	Sat 11/7/20 208FS-1 day		0 days 2 days?	100% 63%			1	
	pipe, 4 deep manholes and Inlet Reception Chamber)		or a days (	mon 9/3/20	50( 12/0/21				- aayo f	0070			I	I
													1	1
-1405	Joint Initial Survey arrangement with MTRCL		24 days	Thu 19/11/20		Thu 19/11/20	Wed 16/12/20	212	0 days	100%			1	1
-1410	Remedial Works for uncharted sludge Pipe leakage	008 41	8 days	Mon 9/3/20		Mon 9/3/20	Tue 17/3/20 211	213	0 days	100%			1	1
V-1420	Diversion of uncharted DN250 sludge pipe Diversion of uncharted 2' water pipe	008 41 024	27 days 9 days	Tue 31/3/20 Wed 15/4/20		Tue 31/3/20 Wed 15/4/20	Thu 7/5/20 212 Fri 24/4/20 213	220,214,215 220	0 days 0 days	100%			r I	1
-1421	Additional Underground Utility Scanning for existing sludge pipe	32	9 days 1 day	Sat 18/4/20		Sat 18/4/20	Sat 18/4/20 213	220	0 days 0 days	100%	-  ! <b> </b>   i		1	1
	HV Cable Diversion for Inlet Works	84	135 days			Sat 10/10/20	Wed 24/3/21	299,217	0 days	100%			r I	1
W-1422 W-1423		236	268 days?	Mon 4/5/20	Wed 24/3/21	Mon 4/5/20	Wed 24/3/21 216		0 days?	100%			1	l
-1422 -1423	Exposing, Removal and Diversion of Existing Cables near Inlet Works			Mag 00 0 00	0.100////01	Mon 28/9/20	NA		47 dour	00/			1	1
-1422 -1423 -1423a	No. 1	01	400 1			Mon 28/9/20	NA		47 days	0%			1	I
/-1422 /-1423 /-1423a /-1424	No. 1 Diversion of Existing Sludge Rising Main and Sewerage System	81	102 days	Mon 28/9/20 Fri 28/8/20				298,299,252,268,269		100%			Í.	1
W-1421 W-1422 W-1423 W-1423a W-1423a W-1424 W-1425	No. 1	81 037	102 days 1 day	Fri 28/8/20		Fri 28/8/20	Fri 28/8/20	298,299,252,268,269	0 days	100%				1
N-1422 N-1423 N-1423a N-1424 N-1424 N-1425 N-1430	No. 1 Diversion of Existing Sludge Rising Main and Sewerage System Demolition of Deodorization System and Facilities between Existing Primary Sludge Thickeners and Primary Sludge Pump Pit Removal of concrete surround and uncharted sludge pipe	037	1 day 20 days	Fri 28/8/20 Fri 24/4/20	Fri 28/8/20 Tue 19/5/20	Fri 28/8/20 Fri 24/4/20	Fri 28/8/20 Tue 19/5/20 213,214	221	0 days 0 days	100%			1	I
N-1422 N-1423 N-1423a N-1424 N-1424 N-1425 N-1430	No. 1 Diversion of Existing Sludge Rising Main and Sewerage System Demotion of Deodorization System and Facilities between Existing Primary Sludge Thickeners and Primary Sludge Pump Pit	037	1 day	Fri 28/8/20	Fri 28/8/20 Tue 19/5/20	Fri 28/8/20	Fri 28/8/20		0 days					1
N-1422 N-1423 N-1423a N-1424 N-1425 N-1425 N-1430 N-1440	No. 1 Diversion of Existing Studge Rising Main and Sewerage System Demolition of Deodorization System and Facilities between Existing Primary Studge Thickeners and Primary Studge Pump Pit Removal of concrete surround and uncharted studge pipe Remedial works for uncharted pipe and unforeseen water seepage	037	1 day 20 days 10 days	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20	Fri 28/8/20 Tue 19/5/20 213,214 Tue 19/5/20 220	221	0 days 0 days 0 days	100%				
1-1422 1-1423 1-1423a 1-1423a 1-1424 1-1425 1-1430 1-1430 1-1450	No. 1 Diversion of Existing Sludge Rising Main and Sewerage System Demolition of Deodorization System and Facilities between Existing Primary Sludge Thickeners and Primary Sludge Pump Pit Removal of concrete surround and uncharted sludge pipe Remedial works for uncharted pipe and unforeseen water seepage Trench Excavation for 1800mm dia pipeline and manholes	037 030 021 273	1 day 20 days	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 <b>Tue 26/1/21</b>	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20	Fri 28/8/20 Tue 19/5/20 213,214 Tue 19/5/20 220 NA 204,221	221	0 days 0 days 0 days 52 days	100% 100% 88%			1 1 1 1	     
J-1422 J-1423 J-1423 J-1423 J-1423 J-1423 J-1424 J-1425 J-1430 J-1440 J-1440 J-1440 J-1450 J-	No. 1 Diversion of Existing Studge Rising Main and Sewerage System Demolition of Deodorization System and Facilities between Existing Primary Studge Thickeners and Primary Studge Pump Pit Removal of concrete surround and uncharted studge pipe Remedial works for uncharted pipe and unforeseen water seepage	037	1 day 20 days 10 days 262 days	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 <b>Tue 26/1/21</b>	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20	Fri 28/8/20 Tue 19/5/20 213,214 Tue 19/5/20 220	221 222,223	0 days 0 days 0 days	100%				
/-1422 /-1423 /-1423a /-1424 /-1424 /-1425 /-1430 /-1440 /-1450a /-1450b	No. 1 Diversion of Existing Sludge Rising Main and Sewerage System Demolition of Deodorization System and Facilities between Existing Primary Sludge Thickeners and Primary Sludge Pump Pit Removal of concrete surround and uncharted sludge pipe Remedial works for uncharted pipe and unforeseen water seepage Trench Excavation for 1800mm dia pipeline and manholes Sheetpile installation (on hold due to identification of uncharted obstruction) Trench Excavation for 1800mm dia pipeline and manholes	037 030 021 273 045 028	1 day           20 days           10 days           262 days           80 days           22 days	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 <b>Tue 26/1/21</b> Thu 18/6/20 Wed 15/7/20	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20	Fri 28/8/20 Tue 19/5/20 213,214 Tue 19/5/20 220 NA 204,221 Thu 18/6/20 221 Wed 15/7/20 223	221 222,223 224 225,237	0 days 0 days 0 days 52 days 0 days 0 days	100% 100% 88% 100%			1 1 1 1 1 1 1	
-1422 -1423 -1423 -1424 -1425 -1430 -1430 -1450 -1450a -1450b	No. 1 Diversion of Existing Studge Rising Main and Sewerage System Demolition of Deodorization System and Facilities between Existing Primary Studge Thickeners and Primary Studge Pump Pit Removal of concrete surround and uncharted studge pipe Remedial works for uncharted pipe and unforeseen water seepage Trench Excavation for 1800mm dia pipeline and manholes Sheetpile installation (on hold due to identification of uncharted obstruction)	037 030 021 273	1 day 20 days 10 days 262 days 80 days	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 <b>Tue 26/1/21</b> Thu 18/6/20 Wed 15/7/20	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20	Fri 28/8/20 Tue 19/5/20/213,214 Tue 19/5/20/220 NA/204,221 Thu 18/6/20/221	221 222,223 224	0 days 0 days 0 days 52 days 0 days	100% 100% 88% 100%	1			
-1422 -1423 -1423a -1424 -1425 -1430 -1440 -1450 -1450b -1450c	No. 1 Diversion of Existing Sludge Rising Main and Sewerage System Demolition of Deodorization System and Facilities between Existing Primary Sludge Thickeners and Primary Sludge Pump Pit Removal of concrete surround and uncharted sludge pipe Remedial works for uncharted pipe and unforeseen water seepage Trench Excavation for 1800mm dia pipeline and manholes Sheetpile instaliation (on hold due to identification of uncharted obstruction) Trench Excavation for 1800mm dia pipeline and manholes Identification of uncharted concrete surround and pipes near MHA01	037 030 021 273 045 028 045 028	1 day           20 days           10 days           262 days           80 days           22 days           29 days	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 <b>Tue 26/1/21</b> Thu 18/6/20 Wed 15/7/20 Tue 18/8/20	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20	Fri 28/8/20 Tue 19/5/20 213,214 Tue 19/5/20 220 NA 204,221 Thu 18/6/20 221 Wed 15/7/20 223 Tue 18/8/20 224	221 222,223 224 225,237	0 days 0 days 0 days 52 days 0 days 0 days 0 days 0 days	100% 100% 88% 100% 100% 100% 100%	1			
1422 1423 1423 1423 1424 1425 1430 1440 1450 1450 1450	No. 1 Diversion of Existing Sludge Rising Main and Sewerage System Demolition of Deodorization System and Facilities between Existing Primary Sludge Thickeners and Primary Sludge Pump Pit Removal of concrete surround and uncharted sludge pipe Remotal works for uncharted pipe and unforeseen water seepage <b>Trench Excavation for 1800mm dia pipeline and manholes</b> Sheetpile installation (on hold due to identification of uncharted obstruction) Trench Excavation for 1800mm dia pipeline and manholes Identification of uncharted concrete surround and pipes near	037 030 021 273 045 028	1 day           20 days           10 days           262 days           80 days           22 days	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 <b>Tue 26/1/21</b> Thu 18/6/20 Wed 15/7/20 Tue 18/8/20	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20	Fri 28/8/20 Tue 19/5/20 213,214 Tue 19/5/20 220 NA 204,221 Thu 18/6/20 221 Wed 15/7/20 223	221 222,223 224 225,237	0 days 0 days 0 days 52 days 0 days 0 days	100% 100% 88% 100%	1			
-1422 -1423 -1423a -1424 -1425 -1430 -1450 -1450b -1450b -1450c -	No. 1 Diversion of Existing Studge Rising Main and Sewerage System Demolition of Deodorization System and Facilities between Existing Primary Studge Thickeners and Primary Studge Pump Pit Removal of concrete surround and uncharted studge pipe Remedial works for uncharted pipe and unforeseen water seepage Trench Excavation for 1800mm dia pipeline and manholes Sheetpile installation (on hold due to identification of uncharted obstruction) Trench Excavation for 1800mm dia pipeline and manholes Identification of uncharted concrete surround and pipes near MHA01 Removal of uncharted concrete surround and pipes near MHA01 Removal of uncharted concrete surround and pipes near MHA01	037 030 021 273 045 028 045 028	1 day           20 days           10 days           262 days           80 days           22 days           29 days	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 Tue 26/1/21 Thu 18/6/20 Wed 15/7/20 Tue 18/8/20 Fri 14/8/20	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20	Fri 28/8/20 Tue 19/5/20 213,214 Tue 19/5/20 220 NA 204,221 Thu 18/6/20 221 Wed 15/7/20 223 Tue 18/8/20 224	221 222,223 224 225,237	0 days 0 days 0 days 52 days 0 days 0 days 0 days 0 days	100% 100% 88% 100% 100% 100% 100%	1			
/-1422 /-1423 /-1423 /-1424 /-1424 /-1424 /-1425 /-1425 /-1450a /-1450a /-1450a /-1450a	No. 1     Diversion of Existing Sludge Rising Main and Sewerage System     Demolition of Deodorization System and Facilities between Existing     Primary Sludge Thickners and Primary Sludge Pump Pit     Removal of concrete surround and uncharted sludge pipe     Remedial works for uncharted pipe and unforeseen water seepage     Trench Excavation for 1800mm dia pipeline and manholes     Shestpite installation (on hold due to identification of uncharted     obstruction)     Trench Excavation for 1800mm dia pipeline and manholes     Identification of uncharted concrete surround and pipes near     MHA01     Removal of existing DSD drawpits near IRC & exposure of CLP     cables with installation of additional temporary support     Removal of existing CDSD drawpits near IRC & exposure of MHA01	037 030 021 273 045 028 045 028 051 045	1 day           20 days           10 days           262 days           80 days           22 days           29 days           26 days           10 days	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 18/7/20 Thu 16/7/20 Fri 7/8/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 Tue 26/1/21 Thu 18/6/20 Wed 15/7/20 Tue 18/8/20 Fri 14/8/20 Tue 18/8/20	Fri 28/8/20           Fri 24/4/20           Fri 8/5/20           Wed 11/3/20           Wed 11/3/20           Thu 18/6/20           Thu 16/7/20           Thu 16/7/20           Fri 7/8/20	Fri 28/8/20 Tue 19/5/20 213.214 Tue 19/5/20 220 NA 204.221 Thu 18/6/20 221 Wed 15/7/20 223 Tue 18/8/20 224 Fri 14/8/20 Tue 18/8/20	221 222,223 224 225,237 228,233,237 228,233	0 days	100% 100% 88% 100% 100% 100% 100% 100% 1				
N-1422 N-1423 N-1423a N-1424 N-1424 N-1425 N-1424 N-1425 N-1450a N-1450a N-1450a N-1450a	No. 1 Diversion of Existing Studge Rising Main and Sewerage System Demolition of Deodorization System and Facilities between Existing Primary Studge Thickeners and Primary Studge Pump Pit Removal of concrete surround and uncharted studge pipe Remedial works for uncharted pipe and unforeseen water seepage Trench Excavation for 1800mm dia pipeline and manholes Sheetpile installation (on hold due to identification of uncharted obstruction) Trench Excavation for 1800mm dia pipeline and manholes Identification of uncharted concrete surround and pipes near MHA01 Removal of uncharted concrete surround and pipes near MHA01 Removal of uncharted concrete surround and pipes near MHA01	037 030 021 273 045 028 045 028 045 028	1 day           20 days           10 days           262 days           80 days           22 days           22 days           20 days           26 days           26 days	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 Tue 26/1/21 Thu 18/6/20 Wed 15/7/20 Tue 18/8/20 Fri 14/8/20 Tue 18/8/20	Fri 28/8/20           Fri 24/4/20           Fri 8/5/20           Wed 11/3/20           Wed 11/3/20           Thu 18/6/20           Thu 18/6/20           Thu 16/7/20	Fri 28/8/20 Tue 19/5/20 213,214 Tue 19/5/20 220 NA 204,221 Thu 18/6/20 221 Wed 15/7/20 223 Tue 18/8/20 224 Fri 14/8/20	221 222,223 224 225,237 228,233,237	0 days 0 days 0 days 52 days 0 days 0 days 0 days 0 days 0 days	100% 100% 88% 100% 100% 100% 100% 100% 1				
N-1422 N-1423 N-1423 N-1424 N-1424 N-1425 N-1430 N-14500 N-14500 N-14500 N-14500 N-14500	No. 1         Diversion of Existing Sludge Rising Main and Sewerage System         Demolition of Deodorization System and Facilities between Existing         Primary Sludge Thickners and Primary Sludge Pump Pit         Removal of concrete surround and uncharted sludge pipe         Remedial works for uncharted pipe and unforeseen water seepage         Trench Excavation for 1800mm dia pipeline and manholes         Sheepipe installation (on hold due to identification of uncharted obstruction)         Trench Excavation for 1800mm dia pipeline and manholes         Identification of uncharted concrete surround and pipes near MHA01         Removal of existing DSD drawpits near IRC & exposure of CLP cables with installation         Removal of uncharted concrete surround and pipes near MHA01 and Sheepipe installation         Removal of uncharted concrete surround and pipes near MHA01         Removal of uncharted concrete surround and pipes near MHA01         And Sheepipe installation	037           021         273           045         028           045         028           051         045           045         045           045         045	1 day           20 days           10 days           262 days           80 days           22 days           28 days           26 days           26 days           10 days           26 days           26 days           10 days           7 days	Fri 28/8/20 Fri 28/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20 Thu 16/7/20 Fri 7/8/20 Mon 28/9/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 Tue 26/1/21 Thu 18/6/20 Wed 15/7/20 Tue 18/8/20 Fri 14/8/20 Tue 18/8/20 Wed 7/10/20	Fri 28/8/20           Fri 24/4/20           Fri 8/5/20           Wed 11/3/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/7/20           Thu 18/7/20           Thu 28/9/20	Fri 28/8/20           Tue 19/5/20 213.214           Tue 19/5/20 220           NA 204.221           Thu 18/6/20 221           Wed 15/7/20 223           Tue 18/8/20 224           Fri 14/8/20           Tue 18/8/20           Wed 7/10/20 227,225	221 222,223 224 225,237 228,233,237 228,233 228,233 229	0 days	100% 100% 88% 100% 100% 100% 100% 100% 1				
/-1422 /-1423 /-1423a /-1424 /-1424 /-1425 /-1430 /-1450 /-1450a /-1450a /-1450a /-1450a	No. 1     Diversion of Existing Sludge Rising Main and Sewerage System     Demotion of Deodorization System and Facilities between Existing     Primary Sludge Thickeners and Primary Sludge Pump Pit     Removal of concrete surround and uncharted sludge pipe     Remedial works for uncharted pipe and unforeseen water seepage     Trench Excavation for 1800mm dia pipeline and manholes     Sheetplie installation (on hold due to identification of uncharted     obstruction)     Trench Excavation for 1800mm dia pipeline and manholes     Identification of uncharted concrete surround and pipes near     MHA01     Removal of existing DSD drawpits near IRC & exposure of CLP     cabes with installation of additional temporary support     Removal of uncharted concrete surround and pipes near MHA01     and Sheetplie installation     Revised type of pipe bedding between Manholes no. MHA01 and	037 030 021 273 045 028 045 028 051 045	1 day           20 days           10 days           262 days           80 days           22 days           29 days           26 days           10 days	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 18/7/20 Thu 16/7/20 Fri 7/8/20	Fri 28/8/20           Tue 19/5/20           Tue 19/5/20           Tue 26/1/21           Thu 18/6/20           Wed 15/7/20           Tue 18/8/20           Fri 14/8/20           Tue 18/8/20           Wed 7/10/20	Fri 28/8/20           Fri 24/4/20           Fri 8/5/20           Wed 11/3/20           Wed 11/3/20           Thu 18/6/20           Thu 16/7/20           Thu 16/7/20           Fri 7/8/20	Fri 28/8/20 Tue 19/5/20 213.214 Tue 19/5/20 220 NA 204.221 Thu 18/6/20 221 Wed 15/7/20 223 Tue 18/8/20 224 Fri 14/8/20 Tue 18/8/20	221 222,223 224 225,237 228,233,237 228,233	0 days	100% 100% 88% 100% 100% 100% 100% 100% 1				
N-1422	No. 1     Diversion of Existing Sludge Rising Main and Sewerage System     Demolition of Deodorization System and Facilities between Existing     Primary Sludge Thickeners and Primary Sludge Pump Pit     Removal of concrete surround and uncharted sludge pipe     Remedial works for uncharted pipe and unforeseen water seepage     Trench Excavation for 1800mm dia pipeline and manholes     Sheetpile installation (on hold due to identification of uncharted     obstruction)     Trench Excavation for 1800mm dia pipeline and manholes     Identification of uncharted pipeline and pipes near     MHA01     Removal of existing DSD drawpits near IRC & exposure of CLP     calbes with installation of additional temporary support     Removal of uncharted concrete surround and pipes near MHA01     and Sheetpile installation     Revised type of pipe bedding between Manholes no. MHA01 and     MHA02     Replace top solit with Grade 200 Rockfill below Formation level of	037           021         273           045         028           045         028           051         045           045         045           045         045	1 day           20 days           10 days           262 days           80 days           22 days           28 days           26 days           26 days           10 days           26 days           26 days           10 days           7 days	Fri 28/8/20 Fri 28/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20 Thu 16/7/20 Fri 7/8/20 Mon 28/9/20	Fri 28/8/20           Tue 19/5/20           Tue 19/5/20           Tue 26/1/21           Thu 18/6/20           Wed 15/7/20           Tue 18/8/20           Fri 14/8/20           Tue 18/8/20           Fri 14/8/20           Fri 11/9/20           Fri 11/9/20	Fri 28/8/20           Fri 24/4/20           Fri 8/5/20           Wed 11/3/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/7/20           Thu 18/7/20           Thu 28/9/20	Fri 28/8/20           Tue 19/5/20 213.214           Tue 19/5/20 220           NA 204.221           Thu 18/6/20 221           Wed 15/7/20 223           Tue 18/8/20 224           Fri 14/8/20           Tue 18/8/20           Wed 7/10/20 227,225	221 222,223 224 225,237 228,233,237 228,233 228,233 229	0 days	100% 100% 88% 100% 100% 100% 100% 100% 1				
-1422 -1423 -1423 -1423 -1423 -1424 -1425 -1430 -1450 -1450 -1450c -1450	No. 1         Diversion of Existing Sludge Rising Main and Sewerage System         Demolition of Deodorization System and Facilities between Existing         Primary Sludge Thickners and Primary Sludge Pump Pit         Removal of concrete surround and uncharted sludge pipe         Removal of concrete surround and uncharted sludge pipe         Removal of concrete surround and uncharted sludge pipe         Removal of concrete surround and pipe and unforeseen water seepage         Trench Excavation for 1800mm dia pipeline and manholes         Sheetpile installation (on hold due to identification of uncharted obstruction)         Trench Excavation for 1800mm dia pipeline and manholes         Identification of uncharted concrete surround and pipes near MHA01         Removal of existing DSD drawpits near IRC & exposure of CLP calbes with installation of additional temporary support         Removal of uncharted concrete surround and pipes near MHA01 and Sheetpile installation         Revised type of pipe bedding between Manholes no. MHA01 and MHA02         Replace top soil with Grade 200 Rockill below Formation level of the proposed pipe between MHA01 and MHA02	037 030 021 273 045 028 045 028 051 045 045 045 045 045 078 096	1 day           20 days           10 days           262 days           80 days           22 days           22 days           26 days           10 days           26 days           26 days           26 days           26 days           28 days           28 days	Fri 28/8/20 Fri 28/8/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20 Thu 16/7/20 Fri 7/8/20 Mon 28/9/20 Tue 11/8/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 Tue 26/1/21 Thu 18/6/20 Wed 15/7/20 Tue 18/8/20 Fri 14/8/20 Tue 18/8/20 Wed 7/10/20 Fri 11/9/20 Tue 26/1/21	Fri 28/8/20           Fri 24/4/20           Fri 8/5/20           Wed 11/3/20           Wed 11/3/20           Thu 18/6/20           Thu 18/6/20           Thu 16/7/20           Fri 7/8/20           Mon 28/9/20           Tue 11/8/20	Fri 28/8/20           Tue 19/5/20 213,214           Tue 19/5/20 220           NA 204,221           Thu 18/6/20 221           Wed 15/7/20 223           Tue 18/8/20           Fri 14/8/20           Tue 18/8/20           Fri 11/9/20	221 222,223 224 225,237 228,233,237 228,233 228,233 229 231	0 days	100% 100% 88% 100% 100% 100% 100% 100% 1				
-1422 -1423 -1423 -1424 -1423 -1424 -1425 -1430 -145 -145 -145 -145 -145 -145 -145 -145	No. 1         Diversion of Existing Sludge Rising Main and Sewerage System         Demolition of Deodorization System and Facilities between Existing         Primary Sludge Thickners and Primary Sludge Pump Pit         Removal of concrete surround and uncharted sludge pipe         Trench Excavation for 1800mm dia pipeline and manholes         Sheetpile installation (on hold due to identification of uncharted obstruction)         Trench Excavation for 1800mm dia pipeline and manholes         Identification of uncharted concrete surround and pipes near MHA01         Removal of existing DSD drawpits near IRC & exposure of CLP calbes with installation of additional temporary support         Removal of uncharted concrete surround and pipes near MHA01 and Sheetpile installation         Revised type of pipe bedding between Manholes no. MHA01 and MHA02         Replace top soil with Grade 200 Rockill below Formation level of the proposed pipe between MHA01 and MHA02         Grade 200 Rockill In ELS colferdam of IRC         Construct MiH MHA01, MHA02, MHA04 and Inlet Reception Chamber	037           030           021         273           045         028           045         028           045         028           051         045           045         028           045         028           045         028           045         028           045         028           045         029           045         096           072,07         079           161         01	1 day           20 days           10 days           262 days           80 days           22 days           26 days           10 days           26 days           26 days           28 days           28 days           28 days           88 days	Fri 28/8/20 Fri 28/8/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20 Thu 16/7/20 Fri 7/8/20 Mon 28/9/20 Tue 11/8/20 Tue 22/12/20 Tue 22/10/20	Fri 28/8/20           Tue 19/5/20           Tue 19/5/20           Tue 26/1/21           Thu 18/6/20           Wed 15/7/20           Tue 18/8/20           Fri 14/8/20           Tue 18/8/20           Wed 7/10/20           Fri 11/9/20           Tue 26/1/21	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 18/6/20 Thu 16/7/20 Fri 7/8/20 Mon 28/9/20 Tue 11/8/20 NA Tue 27/10/20	Fri 28/8/20           Tue 19/5/20 213,214           Tue 19/5/20 220           NA 204,221           Thu 18/6/20 221           Wed 15/7/20 223           Tue 18/8/20           Fri 14/8/20           Tue 18/8/20           Wed 7/10/20 227,225           Fri 11/9/20 228           NA           NA           NA	221 222,223 224 225,237 228,233,237 228,233 229 231 231 272	0 days           52 days           -58 days	100% 100% 88% 100% 100% 100% 100% 100% 1				
-1422 -1423 -1423 -1423 -1423 -1423 -1424 -1424 -1425 -1440 -1450	No. 1         Diversion of Existing Sludge Rising Main and Sewerage System         Demolition of Deodorization System and Facilities between Existing         Primary Sludge Thickners and Primary Sludge Pump Pit         Removal of concrete surround and uncharted sludge pipe         Remedial works for uncharted pipe and unforeseen water seepage         Trench Excavation for 1800mm dia pipeline and manholes         Sheetpile installation (on hold due to identification of uncharted obstruction)         Trench Excavation for 1800mm dia pipeline and manholes         Identification of uncharted concrete surround and pipes near MHA01         Removal of existing OSD drawpits near IRC & exposure of CLP cabes with installation of additional temporary support         Removal of uncharted concrete surround and pipes near MHA01 and Sheetpile installation         Revised type of pipe bedding between Manholes no. MHA01 and MHA02         Grade 200 Rocktill in ELS cofferdam of IRC         Construct MH MHA01, MHA02	037           030           021         273           045         028           045         028           045         028           051         045           078         096           072,07         079           161         022	1 day           20 days           10 days           262 days           80 days           22 days           22 days           28 days           28 days           28 days           28 days           28 days           6 days	Fri 28/9/20 Fri 28/9/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20 Thu 16/7/20 Fri 7/8/20 Mon 28/9/20 Tue 11/8/20 Tue 22/12/20 Tue 27/10/20 Tue 1/9/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 Tue 26/1/21 Thu 18/6/20 Wed 15/7/20 Tue 18/8/20 Fri 14/8/20 Tue 18/8/20 Wed 7/10/20 Fri 11/9/20 Tue 26/1/21 Sat 12/6/21 Mon 7/9/20	Fri 28/8/20           Fri 24/4/20           Fri 8/5/20           Wed 11/3/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 16/7/20           Thu 16/7/20           Thu 16/7/20           Thu 16/7/20           Non 28/9/20           Tue 11/8/20           NA           Tue 27/10/20           Tue 19/20	Fri 28/8/20           Tue 19/5/20 213.214           Tue 19/5/20 220           NA 204,221           Thu 18/6/20 221           Wed 15/7/20 223           Tue 18/8/20 224           Fri 14/8/20           Tue 18/8/20 227,225           Fri 11/9/20 228           NA           NA 229,233,232,234,230           Mon 7/9/20	221 222,223 224 225,237 228,233,237 228,233 229 231 231 231 272 231	0 days           0 days           0 days           52 days           0 days           - 52 days           -58 days           0 days	100%           100%           88%           100%           100%           100%           100%           100%           100%           100%           100%           100%           34%           100%				
W-1422 W-1423 W-1423 W-1424 W-1425 W-1425 W-1425 W-1426 W-1450 W-1450 W-14500 W-14500 W-14500 W-14500 W-14500 W-14501 W-14501 W-1452	No. 1         Diversion of Existing Sludge Rising Main and Sewerage System         Demolition of Deodorization System and Facilities between Existing         Primary Sludge Thickners and Primary Sludge Pump Pit         Removal of concrete surround and uncharted sludge pipe         Trench Excavation for 1800mm dia pipeline and manholes         Sheetpile installation (on hold due to identification of uncharted obstruction)         Trench Excavation for 1800mm dia pipeline and manholes         Identification of uncharted concrete surround and pipes near MHA01         Removal of existing DSD drawpits near IRC & exposure of CLP calbes with installation of additional temporary support         Removal of uncharted concrete surround and pipes near MHA01 and Sheetpile installation         Revised type of pipe bedding between Manholes no. MHA01 and MHA02         Replace top soil with Grade 200 Rockill below Formation level of the proposed pipe between MHA01 and MHA02         Grade 200 Rockill In ELS colferdam of IRC         Construct MiH MHA01, MHA02, MHA04 and Inlet Reception Chamber	037           030           021         273           045         028           045         028           045         028           051         045           045         028           045         028           045         028           045         028           045         028           045         029           045         096           072,07         079           161         01	1 day           20 days           10 days           262 days           80 days           22 days           26 days           10 days           26 days           26 days           28 days           28 days           28 days           88 days	Fri 28/8/20 Fri 28/8/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20 Thu 16/7/20 Fri 7/8/20 Mon 28/9/20 Tue 11/8/20 Tue 22/12/20 Tue 22/10/20	Fri 28/8/20 Tue 19/5/20 Tue 19/5/20 Tue 26/1/21 Thu 18/6/20 Wed 15/7/20 Tue 18/8/20 Fri 14/8/20 Tue 18/8/20 Wed 7/10/20 Fri 11/9/20 Tue 26/1/21 Sat 12/6/21 Mon 7/9/20	Fri 28/8/20 Fri 24/4/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 18/6/20 Thu 16/7/20 Fri 7/8/20 Mon 28/9/20 Tue 11/8/20 NA Tue 27/10/20	Fri 28/8/20           Tue 19/5/20 213,214           Tue 19/5/20 220           NA 204,221           Thu 18/6/20 221           Wed 15/7/20 223           Tue 18/8/20           Fri 14/8/20           Tue 18/8/20           Wed 7/10/20 227,225           Fri 11/9/20 228           NA           NA           NA	221 222,223 224 225,237 228,233,237 228,233 229 231 231 272	0 days           52 days           -58 days	100% 100% 88% 100% 100% 100% 100% 100% 1				
W-1422 W-1423 W-1423a W-1424	No. 1         Diversion of Existing Sludge Rising Main and Sewerage System         Demolition of Deodorization System and Facilities between Existing         Primary Sludge Thickners and Primary Sludge Pump Pit         Removal of concrete surround and uncharted sludge pipe         Remodial works for uncharted pipe and undroseen water seepage         Trench Excavation for 1800mm dia pipeline and manholes         Sheetpile installation (on hold due to identification of uncharted obstruction)         Trench Excavation for 1800mm dia pipeline and manholes         Identification of uncharted pipe and manholes         Identification of uncharted concrete surround and pipes near MHA01         Removal of existing DSD drawpits near IRC & exposure of CLP cabes with installation of additional temporary support         Removal of existing DSD drawpits near IRC & exposure of CLP cabes with installation         Revised type of pipe bedding between Manholes no. MHA01 and MHA02         Replace top soil with Grade 200 Rockfill below Formation level of the proposed pipe between MHA01 and MHA02         Grade 200 Rockfill in ELS ooffrectam of IRC         Construct MH MHA01, MHA02, MHA04 and Inlet Reception Chamber         Enlarged size of Manhole MHA01       Construct Manhoe         Enlarged size of Manhole MHA01       Construct num Pipe         Additional Works for IRC and Pipe Connection to IRC from Existing         Additional Works for IRC and Pipe Connection to IRC fro	037           030           021         273           045         028           045         028           045         028           051         045           078         096           072,07         079           161         022	1 day           20 days           10 days           262 days           80 days           22 days           22 days           28 days           28 days           28 days           28 days           28 days           6 days	Fri 28/9/20 Fri 28/9/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20 Thu 16/7/20 Fri 7/8/20 Mon 28/9/20 Tue 11/8/20 Tue 22/12/20 Tue 27/10/20 Tue 1/9/20	Fri 28/8/20           Tue 19/5/20           Tue 19/5/20           Tue 26/1/21           Thu 18/6/20           Wed 15/7/20           Tue 18/8/20           Fri 14/8/20           Tue 18/8/20           Wed 7/10/20           Fri 11/9/20           Tue 26/1/21           Sat 12/6/21           Mon 7/9/20           Wed 31/3/21	Fri 28/8/20           Fri 24/4/20           Fri 8/5/20           Wed 11/3/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 18/6/20           Thu 16/7/20           Thu 16/7/20           Thu 16/7/20           Thu 16/7/20           Non 28/9/20           Tue 11/8/20           NA           Tue 27/10/20           Tue 19/20	Fri 28/8/20           Tue 19/5/20 213.214           Tue 19/5/20 220           NA 204,221           Thu 18/6/20 221           Wed 15/7/20 223           Tue 18/8/20 224           Fri 14/8/20           Tue 18/8/20 227,225           Fri 11/9/20 228           NA           NA 229,233,232,234,230           Mon 7/9/20	221 222,223 224 225,237 228,233,237 228,233 229 231 231 231 272 231	0 days           0 days           0 days           52 days           0 days           - 52 days           -58 days           0 days	100%           100%           88%           100%           100%           100%           100%           100%           100%           100%           100%           100%           34%           100%				
1422           1423           1423a           1424           1424           1425           14140           1440           1450a           1450b           1450c           1450c           1450c           1450d	No. 1         Diversion of Existing Sludge Rising Main and Sewerage System         Demolition of Deodorization System and Facilities between Existing         Primary Sludge Thickners and Primary Sludge Pump Pit         Removal of concrete surround and uncharted sludge pipe         Removal of concrete surround and uncharted sludge pipe         Removal of concrete surround and uncharted sludge pipe         Trench Excavation for 1800mm dia pipeline and manholes         Sheetpile installation (on hold due to identification of uncharted obstruction)         Trench Excavation for 1800mm dia pipeline and manholes         Identification of uncharted concrete surround and pipes near MHA01         Memoval of existing DSD drawpits near IRC & exposure of CLP calbes with installation of additional temporary support         Removal of uncharted concrete surround and pipes near MHA01 and Sheetpile installation         Revised type of pipe bedding between Manholes no. MHA01 and MHA02         Grade 200 Rockfill in ELS conferdam of IRC         Construct MH MHA01, MHA02, MHA04 and Intel Reception Chamber       Enlarged size of Manhole MHA01         Enlarged size of Manhole MHA01       Constructin and Pipe         Additional Works for Manhole MHA01       Constructin and Pipe	037           030           021         273           045         028           045         028           045         028           045         028           045         028           045         028           045         028           045         028           045         028           045         028           078         096           072,07         079           161         022           052         052           094,14         051	1 day           20 days           10 days           262 days           80 days           22 days           22 days           26 days           10 days           26 days           26 days           28 days           28 days           88 days           6 days           160 days	Fri 28/8/20 Fri 28/8/20 Fri 8/5/20 Wed 11/3/20 Wed 11/3/20 Thu 18/6/20 Thu 16/7/20 Thu 16/7/20 Fri 7/8/20 Mon 28/9/20 Tue 11/8/20 Tue 22/12/20 Tue 27/10/20 Tue 1/9/20 Wed 16/9/20	Fri 28/8/20           Tue 19/5/20           Tue 19/5/20           Tue 26/1/21           Thu 18/6/20           Wed 15/7/20           Tue 18/8/20           Fri 14/8/20           Tue 18/8/20           Wed 7/10/20           Fri 11/9/20           Tue 26/1/21           Sat 12/6/21           Mon 7/9/20           Wed 31/3/21	Fri 28/8/20           Fri 24/4/20           Fri 8/5/20           Wed 11/3/20           Thu 18/6/20           Thu 18/6/20           Thu 16/7/20           Fri 7/8/20           Mon 28/9/20           Tue 11/8/20           NA           Tue 27/10/20           Tue 1/9/20           Wed 16/9/20	Fri 28/8/20           Tue 19/5/20 213,214           Tue 19/5/20 220           NA 204,221           Thu 18/6/20 221           Wed 15/7/20 223           Tue 18/8/20           Fri 14/8/20           Tue 18/8/20           Wed 7/10/20 227,225           Fri 11/9/20 228           NA           NA           NA           229,233,232,234,230           Mon 7/9/20           NA 225,227	221 222,223 224 225,237 228,233,237 228,233 228,233 229 231 231 272 231 231 231 231	0 days	100% 100% 88% 100% 100% 100% 100% 100% 1				

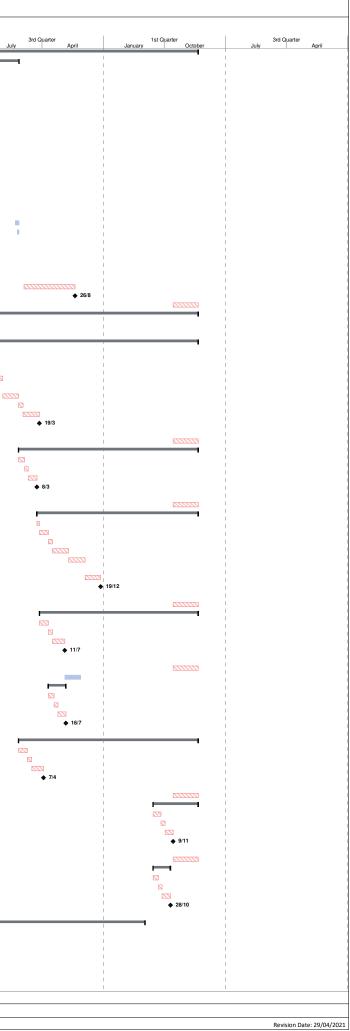
Contract No. DC/2018/07									Revised Works Programme	e (Status Date: 31/03/202	1)				
Shek Wu Hui Effluent Polishing	ask Name CE		/E PMI/CE no.	Duration	Start	Finish A	Actual Start Act	ual Finish Predecessors	Successors	Total Slack Risk	Allowance % Complete Individual Critical Path				
Date	Incl	lement ather											And Ownstein	14 0	Ord Ourster
235 CIW-1455	Removal of left-in sheetpiles at IRC	111		3 days	Mon 19/10/20	Wed 21/10/20	Mon 19/10/20	Wed 21/10/20 234		0 days	100%	uarter 1st Quarter April January October	3rd Quarter July April	1st Quarter January October	3rd Quarter July April
235 CIW-1455 236 CIW-1456	Compliance Test for DN1800 Precast Concrete Pipe	077	065	1 days	Fri 18/9/20	Fri 18/9/20	Fri 18/9/20	Fri 18/9/20		0 days 0 days	100%				
237 CIW-1457	Lay 1800mm dia concretre pipe			88 days	Thu 17/9/20	Mon 25/1/21	Thu 17/9/20	NA 224,225,234	238 43FF,298	101 days	0%			1	
238 CIW-1458 239 CIW-1500	Connection to existing Inlet Chamber Diversion of Leachate Rising Main, Sludge Pipes and Tank Drain			12 days 517 days	Tue 26/1/21 Tue 26/11/19	Mon 8/2/21 Tue 24/8/21	Tue 26/11/19	NA 237 NA	43++,298	101 days -22 days	0% 57%		· · · · ·	1	
240 CIW-1510 KD1B 241 CIW-1500a	Diversion of Tank Drain MHD8.5 (approx. 70m CHES1 & CHES2) Diversion of Tank Drain MHD9.5 to MHA04 (approx. 70m 675mm			63 days 475 days	Sat 19/9/20 Tue 26/11/19	Fri 4/12/20 Tue 6/7/21	Sat 19/9/20 Tue 26/11/19	NA 267 NA 204	43FF,298	154 days -16 days	94%				í l
	dia conrete pipe, 24m DN250 DI leachate rising main, 90m CHES1&S2 DN250 CI )			470 0030		100 0 11 21	100 2011/10			is days	00,5		•		
242 CIW-1500b	Joint Initial Survey arrangement with MTRCL			158 days	Tue 26/11/19	Wed 10/6/20	Tue 26/11/19	Wed 10/6/20		0 days	100%				
242 CIW-15000	Site Clearance & inspection pit excavation under conforming			36 days	Fri 12/6/20	Sat 25/7/20	Fri 12/6/20	Sat 25/7/20		0 days	100%				í i
	alignments														
244 CIW-1511 245 CIW-1511a	Tank Drain Diversion near MTRCL track Excavation of trial pit near MHD9.5 (TP45 & 47)	044	040	233 days 12 days	Thu 11/6/20 Mon 27/7/20	Mon 22/3/21 Sat 8/8/20	Thu 11/6/20 Mon 27/7/20	NA Sat 8/8/20	246,250	68 days 0 days	72%				
246 CIW-1511b	Uncharted cables found near MTRC track and identification	044		1 day	Thu 18/6/20	Thu 18/6/20	Thu 18/6/20	Thu 18/6/20 245		0 days	100%	i i i			i i
247 CIW-1511c 248 CIW-1511d	Excavation of trial pit near MHD8.5	046		5 days	Fri 19/6/20 Thu 11/6/20	Wed 24/6/20 Fri 21/8/20	Fri 19/6/20 Thu 11/6/20	Wed 24/6/20 Fri 21/8/20 247	248 249	0 days	100%	· · ·			
248 CIW-15110	Lower the ground surface, opening and additional trial pit (TP38)	046		60 days	Thu 11/6/20	Ff1 21/6/20	Thu 11/6/20	FII 21/0/20 247	249	0 days	100%				
249 CIW-1511e	Excavation of Trial Pits near Manhle MHA04 and MH09		040	60 days	Thu 11/6/20	Fri 21/8/20	Thu 11/6/20	Fri 21/8/20 248		0 days	100%				i l
250 CIW-1511f 251 CIW-1511g	Additional Trial Pit between MHD9.5 and MHA04 Trimming of existing concrete surround	095	051	25 days 19 days	Fri 21/8/20 Tue 8/9/20	Fri 18/9/20 Tue 29/9/20	Fri 21/8/20 Tue 8/9/20	Fri 18/9/20 245 Tue 29/9/20 250	251 259	0 days 0 days	100%				
252 CIW-1511h	Potential Delay for Construction of Manhole MHD9.5	145		61 days	Wed 18/11/20	Sat 30/1/21	Wed 18/11/20	NA 218		108 days	0%	•			
253 CIW-1511i	Compliance Test for DN675 and DN825 Precast concrete pipe		232	1 day	Fri 18/12/20	Fri 18/12/20	NA	NA	261	0 days	0%			1	i l
254 CIW-1511j	Unsuit excavated material from MHD9.5 to MHD9	127		4 days	Fri 20/11/20	Tue 24/11/20	Fri 20/11/20	Tue 24/11/20		0 days	100%				
255 CIW-1511k	Revise design of manhole MHD9.5	167		20 days	Thu 7/1/21	Fri 29/1/21	Thu 7/1/21	Fri 29/1/21	256	0 days	100%				
256 CIW-1511I 257 CIW-1511m	Additional works for breaking concrete surround Additional work to prevent backflow from MHI1 to MHD9.5	167 176		25 days 9 days	Sat 30/1/21 Mon 18/1/21	Wed 3/3/21 Wed 27/1/21	Sat 30/1/21 Mon 18/1/21	Wed 3/3/21 255 Wed 27/1/21		0 days 0 days	100%		i I	i	í Í
258 CIW-1511n	Sewage overflow incident of MHD11	180		30 days	Tue 16/2/21	Mon 22/3/21	Tue 16/2/21	NA		68 days	0%			1	
259 CIW-1512 260 CIW-1513	Additional Special manhole for tank drain (NCE) Breaking of concrete surround of cables (0.8mx0.8mx70m) (NCE)			35 days 60 days	Mon 24/8/20 Tue 6/10/20	Mon 5/10/20 Tue 15/12/20	Mon 24/8/20 Tue 6/10/20	Mon 5/10/20 251 NA 259	260,261	0 days 145 days	100% 78%				
	Licensing or consister autoritic of cables (0.00000.00000000000000000000000000000			oo uays	. ue or 10/20		.30 0/10/20			cayo	10/6			i i	í l
261 CIW-1514 KD1B	Construction of tank drain along revised alignment (NCE)			221 days	Tue 6/10/20	Tue 6/7/21	Tue 6/10/20 NA	NA 259,253	262SS+80 days,43FF,298		21%			1	
262 CIW-1515 263 CIW-1516	Replacement of rock fill material (NCE) Backfilling with concrete bedding (NCE)			105 days 30 days	Tue 12/1/21 Thu 22/4/21	Sat 22/5/21 Fri 28/5/21	NA	NA 261SS+80 days NA 262SS+80 days	263SS+80 days	15 days 15 days	0%				
264 CIW-1520	Diversion of Sludge Pipes			364 days	Mon 11/5/20	Thu 29/7/21	Mon 11/5/20	NA		0 days	59%			1	
265 CIW-1520a 266 CIW-1520b	Excavation of trial pit and identification of connection point Trench excavation for twin DN250 sludge pipe and stopped by	064		103 days 4 days	Mon 11/5/20 Wed 15/7/20	Wed 9/9/20 Sat 18/7/20	Mon 11/5/20 Wed 15/7/20	Wed 9/9/20 Sat 18/7/20 265	266 267	0 days 0 days	100%				
200 010-13200	AECOM	004		4 days	Wed 13/1/20	Sat 10/1/20	Wed 13/7/20	Sat 10/720203	207	0 days	10078				
267 CIW-1520c	Additional hole drilling works and identification of connetion point			53 days	Mon 20/7/20	Fri 18/9/20	Mon 20/7/20	Fri 18/9/20 266	240	0 days	100%		1	1	
268 CIW-1520d	Substandard DI 250 Leachate Pipe	120		127 days	Tue 20/10/20	Wed 24/3/21	Tue 20/10/20	Wed 24/3/21 218		0 days	100%			1	
269 CIW-1520e	Substandard DI 500 Sewage Pipe	133		50 days	Mon 1/2/21	Tue 6/4/21	NA	NA 218		58 days	0%				1
270 CIW-1520f	Encounter of uncharted concrete pipe within sheetpile cofferdam at MHA04	123		2 days	Tue 10/11/20	Wed 11/11/20	Tue 10/11/20	Wed 11/11/20	271	0 days	100%		1	l l	
271 CIW-1520g KD1B	Resumption and construction of sludge pipe construction			253 days	Sat 19/9/20	Thu 29/7/21	Sat 19/9/20	NA 270	43FF,298	-36 days	23%				
272 CIW-1530 KD1B 273 CIW-1600	Diversion of Leachate Rising Main Diversion of pipelines near Primary Sludge Thickeners (approx.			60 days 399 days	Tue 15/6/21 Tue 26/11/19	Tue 24/8/21 Wed 31/3/21	NA Tue 26/11/19	NA 231	299SS+40 days	-58 days 60 days	0%	i			
273 CIW-1600	180m long 150mm to 375mm concrete pipes)			399 days	Tue 20/11/19	wed 31/3/21	100 20/11/19	NA		60 days	43%		1	l l	
274 CIW-1610	Trench Excavation from M/H MHD1E to MHD5 (approx. 90m long with M/Hs MHD1A. 1B. 1C. 1D & 1E)			0 days	Tue 26/11/19	Tue 26/11/19	NA	NA		0 days	0%	26/11		1	
275 CIW-1620	Manholes construction and Pipe laying			50 days	Tue 2/6/20	Fri 31/7/20	Tue 2/6/20	Fri 31/7/20	43FF,282,276	0 days	100%				
276 CIW-1621	Temporary Diversion of Existing DN200 Filitrate Rising Main		034	20 days	Sat 1/8/20	Mon 24/8/20	Sat 1/8/20	Mon 24/8/20 275	277,278	0 days	100%		l I	l l	
277 CIW-1622	E&M Equipment at Primary Sludge Thickeners to be Dismantled and Returned to DSD/ST1		039	60 days	Tue 25/8/20	Thu 5/11/20	Tue 25/8/20	NA 276		179 days	15%			1	
278 CIW-1623	Pipeline Diversion Works near Primary Sludge Thickening Tank	114		30 days	Tue 25/8/20	Mon 28/9/20	NA	NA 276	279,280	168 days	0%				
279 CIW-1624	Uncharted underground utilities at Proposed MHD5B	126		41 days	Thu 12/11/20	Thu 31/12/20	NA	NA 278	280SS+15 days	133 days	0%		l I	1	
280 CIW-1625 281 CIW-1630	Uncharted underground utilities near Proposed MHD5B Trench Excavation from M/H MHD1E to MHD5 (approx. 90m long with	012		26 days 32 days	Mon 30/11/20 Thu 19/3/20	Thu 31/12/20 Wed 29/4/20	NA Thu 19/3/20	NA 279SS+15 days,278 Wed 29/4/20 280	281 282,283	133 days 0 days	0%			1	
	M/Hs M1A to M3B)														
282 CIW-1640 283 CIW-1650	Manholes construction and Pipe laying Trench Excavation from MHD5 to MHD9.5 (approx. 90m long with	012	058	12 days 50 days	Mon 4/5/20 Wed 2/9/20	Sat 16/5/20 Mon 2/11/20	Mon 4/5/20 Wed 2/9/20	Sat 16/5/20 281,275 Mon 2/11/20 281,287,292,293,294,296	43FF,285 322SS	0 days 0 days	100%		1	1	
	M/Hs MHD5A & 5B)													1	
284 CIW-1660 285 CIW-1670 KD1B	Provision of Pumping System from Screen to Flume Channel Manholes construction and Pipe laying		87	90 days 50 days	Tue 10/11/20 Tue 3/11/20	Mon 1/3/21 Wed 31/3/21	Tue 10/11/20 Tue 3/11/20	NA NA 282,284	285 43FF	0 days 60 days	0% 48%			1	Í. I
286 CIW-2000	Decommission and Demolition of Existing Faciliates and Structures			222 days	Thu 19/3/20	Tue 15/12/20	Thu 19/3/20	Tue 15/12/20 6,118,156,158		0 days	100%		1	1	
007 000 0100					<b>T</b> I (0/0/00	-	71 10/0/00	-						1	
287 CIW-2100 288 CIW-2101	Primary Sludge Thickening Tank No.1 and No.2 Additional Works for Temporary Diversion of Bypass Pipe near	012		45 days	Thu 19/3/20 Thu 19/3/20	Tue 15/12/20 Sun 17/5/20	Thu 19/3/20 Thu 19/3/20	Tue 15/12/20 Sun 17/5/20	283	0 days 0 days	100%				
	Primary Sludge Thickeners														
289 CIW-2110 290 CIW-2120	Removal of E&M equipment of primary sludge thickening tank	020		1 day	Thu 4/6/20	Thu 4/6/20	Thu 4/6/20 Thu 18/6/20	Thu 4/6/20 Tue 15/12/20 289	290 292	0 days	100%	· · · · · · · · · · · · · · · · · · ·			
290 CIW-2120 291 CIW-2130	Decommission and Demolition the tank Demolition of structure no.2	052	-	150 days 24 days	Thu 18/6/20 Mon 18/5/20	Tue 15/12/20 Mon 22/6/20	Mon 18/5/20	Mon 22/6/20	LJL	0 days 0 days	100%				
292 CIW-2200	Primary Sludge Pump Pit			18 days	Wed 22/7/20	Tue 11/8/20	Wed 22/7/20	Tue 11/8/20 290	293,294,283,295	0 days	100%				1
293 CIW-2300 294 CIW-2400	Septic Tank Diesel Tank		-	18 days 53 days	Wed 12/8/20 Thu 2/7/20	Tue 1/9/20 Tue 1/9/20	Wed 12/8/20 Thu 2/7/20	Tue 1/9/20 292 Tue 1/9/20 292	283 283	0 days 0 days	100%			1	1
295 CIW-2410	Transfers of Remaining Diesel Fuel of Existing Diesel Tank	001		15 days	Thu 2/7/20	Tue 21/7/20	Thu 2/7/20	Tue 21/7/20 292	296	0 days	100%				
296 CIW-2420 297 CIW-3000 *	Demolition of diesel tank Inlet Works No.1 Building (1)			18 days 961 days	Wed 12/8/20 Wed 2/9/20	Tue 1/9/20 Tue 28/11/23	Wed 12/8/20 Wed 2/9/20	Tue 1/9/20 295 NA 6	283	0 days 59 days	100%				1
297 CIW-3000 -	Predrilling (32nrs, 3rigs, 2.5days/drillhole/rig)			0 days	Tue 15/9/20	Mon 22/2/21	Tue 15/9/20	Mon 22/2/21 238,240,261,271,218	299SS+40 days	0 days 1	100%				
299 CIW-3200	Pre-bored H piles (188nos, 1.5rigs, 2days/rig/pile) & remaining diversion works at Stage 2 & 3			250 days	Fri 19/2/21	Tue 7/6/22	Fri 19/2/21	NA 128,298SS+40 days,216,2 days	218,272SS+40 304,300SS+80 days,301	-522 days 5	0%	<pre></pre>			
300 CIW-3400a	Pile Load Test at stage 1			21 days	Sat 29/5/21	Wed 23/6/21	NA	NA 299SS+80 days	301,302	-240 days	0%				1
301 CIW-3400b	Pile Load Test at stage 2 & 3			21 days	Wed 8/6/22	Sat 2/7/22	NA	NA 300,299	304,303,317	-522 days	0%				
302 CIW-3300a 303 CIW-3300b	Sheetpile Installation at stage 1(3,840sq.m, 1rigs, 50sqm/rig/day) Sheetpile Installation at stage 2 & 3			80 days 80 days	Thu 24/6/21 Mon 4/7/22	Mon 27/9/21 Fri 7/10/22	NA	NA 129,300 NA 301	304,305 306	-219 days -522 days	0%		A		
303 CIW-3300B	ELS works (strutting 4 layers, excavate soil 7445cu.m)			77 days	Sat 2/10/21	Tue 4/1/22	NA	NA 302,299,130,301	500	-522 days 0 days 5	0%				1
305 CIW-3510	Phrase C (Grid A1 to G3) - Excavation to -3.3mPD and blinding			77 days	Sat 2/10/21	Tue 4/1/22	NA	NA 302	309	-154 days	0%			1	
306 CIW-3520 307 CIW-3600	Phrase B (Grid G3 to L7) - Excavation to -7.5mPD and blinding R.C. Structure works			77 days 296 days	Sat 8/10/22 Thu 2/9/21	Mon 9/1/23 Thu 1/9/22	NA NA	NA 303 NA 132,176,177,180,178	313	-522 days 0 days 5	0%				
308 CIW-3610	Phase C (Grid G3 to L7)			105 days	Thu 2/9/21	Sat 8/1/22	NA	NA		0 days	0%				
309 CIW-3611 310 CIW-3612	Rebar fix and formwork and concreting for the pile cap (G/F) Rebar fix and formwork and concreting upto +13.45mPD (1/F)			40 days 25 days	Wed 5/1/22 Thu 24/2/22	Wed 23/2/22 Thu 24/3/22	NA	NA 305 NA 309	310 311	-154 days -154 days	0%			1	
310 CIW-3612 311 CIW-3613	Rebar fix and formwork and concreting upto +13.45mPD (1/F) Rebar fix and formwork and concreting upto +25.80mPD (R/F)			25 days 40 days	Thu 24/2/22 Fri 25/3/22	Thu 24/3/22 Tue 17/5/22	NA	NA 309 NA 310	311 44FF,320	-154 days -154 days	0%				
312 CIW-3620	Phase B (Gride A1 to G3) (621 sqm)			193 days	Wed 5/1/22	Tue 30/8/22	NA	NA		0 days	0%				
313 CIW-3621	Rebar fix and formwork and concreting for the Inlet Works structure upto Ground Level			54 days	Tue 10/1/23	Thu 16/3/23	NA	NA 306	314	-522 days	0%				
314 CIW-3622	Apply waterproofing membrance and backfilling			14 days	Fri 17/3/23	Sat 1/4/23	NA	NA 313,175	315	-522 days	0%			8	
315 CIW-3623	Rebar fix and formwork and concreting for the Inlet Works structure upto Roof Level			105 days	Mon 3/4/23	Fri 11/8/23	NA	NA 314	320,321,44FF	-522 days	0%				
316 CIW-3630	Phase A (G1 to L3) (662 sqm)			260 days	Wed 5/1/22	Sat 19/11/22	NA	NA		0 days	0%				
317 CIW-3631	Rebar fix and formwork and concreting for the Inlet Works structure upto Ground Level			54 days	Mon 4/7/22	Sat 3/9/22	NA	NA 301	318	-365 days	0%	i i	2223		
318 CIW-3632	Apply waterproofing membrance and backfilling			14 days	Mon 5/9/22	Wed 21/9/22	NA	NA 317.175	319	-365 days	0%				
File: DC201807_Revised Work		many		itical					17 - 1		1	· · · · · · · · · · · · · · · · · · ·			<u> </u>
	villestune ▼ Sum	ary	■ Cr		لتفححم										Desidet and the former
Data Date: 31/03/2021									Pag	ge 4					Revision Date: 29/04/2021

Activity ID			CE for	NCE/E PN	/I/CE no.	Duration	Start	Finish	Actual Start	Actual Finish Predecessors	Successors	Total Slack Risk All	owance % Complete Individual Critical Path			—
	Date		Inclement Weather											larter	1st Quarter	
CIW-3633	KD1C	Rebar fix and formwork and concreting for the Inlet Works				105 days	Thu 22/9/22	Tue 31/1/23	NA	NA 318	321,44FF,320	-365 days	0%	April		ctober
CIW-3700	KD1C	structure upto Roof Level Allow access to Contractor DE/2018/04 for E&M installation and T&C				0 days	Fri 11/8/23	Fri 11/8/23	NA	NA 319,315,311	44FF,478,472	-522 days	0%	l l		
		works										-		1		
1 CIW-3800 2 CIW-3900		ABWF works + BS works Process Pipe CHE chainage 0-20 & CHF chainage 0-20				90 days 0 days	Sat 12/8/23 Wed 2/9/20	Tue 28/11/23 Wed 2/9/20	NA Wed 2/9/20	NA 319,179,137,315 Wed 2/9/20 283SS	56FF 57FF	59 days 0 days	0%		♦ 2/9	
3 CPS-0000	*	Primary Sedimentation Tanks, B-3 (2)				1115 days	Mon 18/11/19	Wed 23/8/23	Mon 18/11/19	NA 8	5/11	139 days	32%	· · · · · · · · · · · · · · · · · · ·	• 23	
4 CPS-1000		Operation of the Existing Primary sedimentation Tanks				615 days	Mon 18/11/19	Sat 24/7/21	Mon 18/11/19	NA 2	325	-323 days	80%	E22227		
5 CPS-1100 6 CPS-1200		Identification of existing cables near Primiary Sedimentation Tank Reinstatement and re-commissioning of existing Primary Sedimentation		88		65 days 35 days	Mon 26/7/21 Tue 12/10/21	Mon 11/10/21 Mon 22/11/21	NA NA	NA 324 NA 325	326 327	-261 days -261 days	0%			
		Tank No. 4 and 6 (by others)												1		
7 CPS-2000 8 CPS-3000		Demolition of existing primary sedimentation tanks no. 1 & 2 Predrilling (68nrs, 3rigs, 3days/drillhole/rig)				45 days 38 days	Tue 23/11/21 Tue 18/1/22	Mon 17/1/22 Sat 5/3/22	NA NA	NA 118,156,158,326 NA 327,123,419	328	-261 days -261 days 1	0%			
9 CPS-4000		Pre-bored H piles (205nos, 4rigs, 2days/pile/rig)				102 days	Mon 7/3/22	Tue 12/7/22	NA	NA 328,128,420	330FS-40 days,332,331	-261 days 5	0%			
0 CPS-5000		Sheetpile Installation (FSP-II, 3360sq.m, 1rigs, 50sqm/rig/day)				85 days	Wed 25/5/22	Fri 2/9/22	NA	NA 329FS-40 days,129	332	-261 days	0%			
1 CPS-6000 2 CPS-7000		Pile Load Test ELS works (20000cu.m soil with 2 layers wailing / strutting)				26 days 45 days	Wed 13/7/22 Sat 3/9/22	Thu 11/8/22 Fri 28/10/22	NA	NA 329 NA 329,131,331,330,124	332	-242 days -261 days 3	0%	1		
3 CPS-8000		R.C. Structure works				92 days	Sat 29/10/22	Mon 20/2/23	NA	NA 332,133	334,335,45FF,336	0 days 3	0%			
CPS-9000 CPS-10000		Allow access to Contractor DE/2018/04 for E&M installation and T&C works ABWF works + BS works				0 days 150 days	Mon 20/2/23 Tue 21/2/23	Mon 20/2/23 Wed 23/8/23	NA NA	NA 333 NA 333,179,137	45FF 56FF	0 days 139 days	0%	i i		
6 CPS-11000		Flowmeter Chamber no.1				60 days	Tue 21/2/23	Sat 6/5/23	NA	NA 333	56FF	229 days	0%			
7 CPS-12000	SW2	Process Pipe CHG chainage 0-50, CHH chainage 0-80, CHI chainage 0-95 & CHJ chianage 0-40				180 days	Sat 29/10/22	Fri 9/6/23	NA	NA 332	57FF	-261 days	0%			
8 CBR-0000	*	Bioreactors No.2A & 2B, B-4 (3)				1516 days	Mon 18/11/19	Mon 6/1/25	Mon 18/11/19	NA 9		135.5 days	29%			
9 CBR-1000		Operation of 2no. Existing 800mm air mains over bioreactor no.2				360 days	Mon 18/11/19	Wed 11/11/20	Mon 18/11/19	Wed 11/11/20 2	342FF	0 days	100%			
CBR-2000		Construction of Removable Steel Shutter in the Common Channel of BR2 and 3		67		86 days	Thu 1/10/20	Fri 15/1/21	Thu 1/10/20	Fri 15/1/21 140	341	0 days	100%	1		
1 CBR-3000	+	Construction of Isolation Wall in Existing common channel of BR2 (PPMI		66		43 days	Sat 16/1/21	Wed 10/3/21	Sat 16/1/21	Wed 10/3/21 340		0 days	100%	I I		
		061)								NA 00055	04055	-		1	_	
2 CBR-4000		Diversion of rising main, drainage pipes, and foam collection & surplus activated sludge pipes				90 days	Wed 13/1/21	Wed 5/5/21	NA	NA 339FF	343FF	1219.5 days	0%	1	۲	$\leq$
3 CBR-4100		Take Down E&M Equipment & cables in Bioreactor BR2 and Return to DSD		55 95,	, 210	90 days	Thu 15/10/20	Mon 1/2/21	Thu 15/10/20	Mon 1/2/21 342FF	353	0 days	100%	1		• `
4 CPB 4000		Installation of monitoring points before demailting of DDO		110 0**	9	Edaur	Wed 07/1/01	Map 1/0/01	Mod 07/1/01	Mon 1/2/21 351	245	0 dave	40.00/	1		
4 CBR-4200 5 CBR-4300	+	Installation of monitoring points before demolition of BR2 Condition Survey for BR2		113 219	3	5 days 1 day	Wed 27/1/21 Fri 30/10/20	Mon 1/2/21 Fri 30/10/20	Wed 27/1/21 Fri 30/10/20	Mon 1/2/21 351 Fri 30/10/20 344	345 353	0 days 0 days	100%	 	1	1
6 CBR-5000		Demolition of existing bioreactor no.2				50 days	Sat 19/12/20	Mon 22/2/21	Tue 10/11/20	NA 118,156,158		37 days	69%	1		۲
7 CBR-5100 8 CBR-5200		Identification and removal of existing cables		121 210		35 days	Tue 10/11/20 Eri 4/12/20	Sat 19/12/20	Tue 10/11/20 Eri 4/12/20	Sat 19/12/20 Tue 26/1/21 347	350,348	0 days	100%	1	I	
B CBR-5200 9 CBR-5210		Diversion of existing lighting cable and Earthing ducts_stage 1 Diversion of existing lighting cable and Earthing ducts_stage 2		264	-	43 days 50 days	Fri 4/12/20 Thu 4/2/21	Tue 26/1/21 Fri 9/4/21	Fri 4/12/20 Thu 4/2/21	Tue 26/1/21 347 NA	353	0 days -37 days	0%	1		
0 CBR-5300		Plugging and demolition of existing DN800 air main		91		4 days	Mon 28/12/20	Thu 31/12/20	Mon 28/12/20	Thu 31/12/20 347		0 days	100%		I.	
1 CBR-5400 2 CBR-5410		Overflow incident from BR1 to BR2 works area no.1 Overflow incident from BR1 to BR2 works area (Feb 2021)		154 173		33 days 8 days?	Fri 18/12/20 Tue 16/2/21	Thu 28/1/21 Wed 24/2/21	Fri 18/12/20 Tue 16/2/21	Thu 28/1/21 Wed 24/2/21	344 353	0 days 0 days?	100%	1 		1.
2 CBR-5410 3 CBR-5500		Demolition of existing pipe bridge, partition wall and base slab (Stage 1)		173		8 days? 26 days	Tue 16/2/21 Tue 2/2/21	Sat 6/3/21	Tue 16/2/21 Tue 2/2/21	Sat 6/3/21 348,345,352,343	353	0 days? 0 days	100%	1		А.
				471										1		_
4 CBR-5520 5 CBR-5600		Removal of additional concrete fill infill within the partition walls Demolition of surrounded walls and channel of BR2 (Stage 2)		174		26 days? 30 days	Tue 2/2/21 Fri 8/10/21	Sat 6/3/21 Fri 12/11/21	Tue 2/2/21 NA	Sat 6/3/21 NA 357		0 days? -216 days	100%	 		
6 CBR-6000		Predrilling (36nrs, 3rigs, 2days/drillhole/rig)				44 days	Mon 1/3/21	Fri 30/4/21	Mon 1/3/21	NA 353	357	-319 days 1	20%	1		Q
7 CBR-7000		Pre-bored H piles (157nos, 2rigs, 2days/pile/rig)				131 days	Mon 3/5/21	Thu 7/10/21	NA	NA 356,128,386	359FS-39 days,361,360,35		0%	I I		
8 9 CBR-8000		Additional diversion of DN600 tank drain pipes between BR2A & 2B Sheetpile Installation (3000sq.m, 1rigs, 50sqm/rig/day)		20-	4	30 days 60 days	Fri 8/10/21 Sat 21/8/21	Fri 12/11/21 Tue 2/11/21	NA	NA 357 NA 357FS-39 days,129	361	1061.5 days -314 days	0%	1		
0 CBR-9000		Pile Load Test				26 days	Fri 8/10/21	Mon 8/11/21	NA	NA 357	361	-319 days	0%	1		
1 CBR-10000	KD15	ELS works (18100cu.m soil with 4 layers wailing / strutting)				140 days	Tue 9/11/21	Tue 3/5/22	NA	NA 357,359,131,360,124	362,363	-319 days 3	0%	1		
2 CBR-11000 3 CBR-11010		R.C. Structure works Additional plugging works and end wall construction		152		205 days 90 days	Wed 4/5/22 Wed 4/5/22	Sat 7/1/23 Fri 19/8/22	NA NA	NA 134,176,177,361,180,178 NA 361	369,46FF,366,367,368,370 46FF,364	-319 days 5 20 days	0%	1		
4 CBR-11020		Additional backfill works after end wall construction at BR2 common channel	1	172		90 days	Sat 20/8/22	Tue 6/12/22	NA	NA 363	46FF,365	20 days	0%	l I		
5 CBR-12000	KD1E	Allow access to Contractor DE/2018/04 for E&M installation and T&C works				0 days	Tue 6/12/22	Tue 6/12/22	NA	NA 364	46FF	20 days	0%	1		
6 CBR-12000		Allow access to Contractor DE/2018/04 for E&M installation and 1&C works Flowmeter no. 2-4				0 days 195 days	Mon 9/1/23	Tue 5/9/23	NA	NA 364 NA 362	367	-262 days	0%			
7 CBR-14000	SW1	Gate Valve Chamber no.1-3				195 days	Wed 6/9/23	Tue 14/5/24	NA	NA 362,366	368	-262 days	0%	 		
8 CBR-15000 9 CBR-16000		Plug Valve Chamber no.1-2 ABWF works + BS works				195 days 180 days	Thu 16/5/24 Mon 9/1/23	Mon 6/1/25 Fri 18/8/23	NA NA	NA 362,367 NA 362,179,137	56FF 56FF	-262 days 143 days	0%	1		
0 CBR-17000		Process Pipe CHQ chainage 65-170, CHP chainage 60-130, CHO chainage		+ +		180 days	Mon 9/1/23 Mon 9/1/23	Fri 18/8/23	NA	NA 362, 179, 137 NA 362	57FF	-319 days	0%	1 		
		65-140, CHL chainage 0-35 & CHK chianage 0-50												 1		
1 CMF-0000	*	Membrane Facilities Building, B-5 Operation of existing Final Sedimentation Tanks no.3 & 4		26		1160 days 98 days	Mon 18/11/19 Mon 18/11/19	Tue 17/10/23 Tue 17/3/20	Mon 18/11/19 Mon 18/11/19	NA 2 Tue 17/3/20 2		94 days 0 days	38% MFB	-		é
2 3 CMF-1000		Demolition of existing final sedimentation ranks no. 3 & 4		20		340 days	Mon 6/1/20	Sun 28/2/21	Mon 6/1/20	Sun 28/2/21 156,118,10		0 days	100% MFB	-		-
4 CMF-1100		Confirmation of Decommission Schedule	68	30		58 days	Mon 6/1/20	Mon 16/3/20	Mon 6/1/20	Mon 16/3/20	375	0 days	100% MFB			
5 CMF-1200 6 CMF-1205		Provision of new submersed pump Assistant to decommissioning of Final Sedimentation Tank No. 3 and 4	68 68	26		27 days 14 days	Wed 4/3/20 Wed 4/3/20	Fri 3/4/20 Fri 3/4/20	Wed 4/3/20 Wed 4/3/20	Fri 3/4/20 374 Fri 3/4/20 375	376 377	0 days 0 days	100% MFB 100% MFB	1 	1. A.	
7 CMF-1300		Additional dismantling works to retain specified electrical and mechanical		013		21 days	Tue 7/4/20	Wed 6/5/20	Tue 7/4/20	Wed 6/5/20 376	378	0 days	100% MFB	1	14 A A A A A A A A A A A A A A A A A A A	
8 CMF-1400		equipment Additional pluging works for DN 1200 Conc. S&S pipe at watch water	76 77 1	4 015		70 do:	Mon 8/6/20	Sat 29/8/20	Mon 8/6/20	Sat 29/8/20 377	379	0 dave	100% MFB	1		
5 GNIP-1400		Additional pluging works for DN 1200 Conc. S&S pipe at wash water pumping station chamber	76, 77, 14	- UID		70 days	Won 8/6/20	ઝસા ∠9/8/20	won 8/6/20	Jai 20/0/20 3/ /	313	0 days	100% MPB	l I		
9 CMF-1500			76, 77	03		21 days	Mon 15/6/20	Fri 10/7/20	Mon 15/6/20	Fri 10/7/20 378	380	0 days	100% MFB	1		
0 CMF-1600 1 CMF-1710		Isolation wall for RAS Channel No.1 Removal of DN1400 Bioreactor No. 2 Effluent Pipe	76, 77	03		40 days 8 days	Mon 1/6/20 Fri 19/2/21	Sat 18/7/20 Sun 28/2/21	Mon 1/6/20 Fri 19/2/21	Sat 18/7/20 379 Sun 28/2/21	384	0 days 0 days	100% MFB 100% MFB	1		
2 CMF-1800	+	Exposed and disconnet uncharted existing cable between FST3 and FST	77	007 03		20 days	Thu 2/7/20	Fri 24/7/20	Thu 2/7/20	Fri 24/7/20		0 days	100% MFB	1	- <b>-</b>	
		4									005	-		1		
3 CMF-1110			68, 75, 76, 77, 144	,		122 days	Wed 1/4/20	Sat 29/8/20	Wed 1/4/20	Sat 29/8/20	385	0 days	100% MFB	I I		
4 CMF-1900			212	06	0	23 days	Mon 31/8/20	Fri 25/9/20	Mon 31/8/20	Fri 25/9/20 380	386	0 days	100% MFB	1	-	
5 CMF-2000		Predrilling (83nrs, 4rigs, 2.5days/drillhole/rig) Pre-bored H piles (171pps, 2rigs, 1.5days/drillhole/rig) (Extended working hours)	144, 212			31 days	Mon 10/8/20	Mon 14/9/20 Sat 23/1/21	Mon 10/8/20	Mon 14/9/20 123,383	386	0 days 1	100% MFB	1		
6 CMF-3000		Pre-bored H piles (171nos, 2rigs, 1.5days/pile/rig) [Extended working hours 0700-1900 & shortern pile length]	212, 308, 309			96 days	Mon 28/9/20	Sat 23/1/21	Mon 28/9/20	Sat 23/1/21 385,128,384	357,387,388	0 days 5	100% MFB	1		
7 CMF-3100		Change of Layout of Basement of MFB no. 2		102		17 days	Tue 3/11/20	Sat 21/11/20	Tue 3/11/20	Sat 21/11/20 386		0 days	100% MFB			
8 CMF-4000 9 CMF-5000		Pile Load Test Installation of sheetpile (with pre-boring)		112		19 days 100 days	Mon 4/1/21 Mon 28/12/20	Mon 25/1/21 Fri 30/4/21	Mon 4/1/21 Mon 28/12/20	Mon 25/1/21 386	392 392	0 days -119 days	100% MFB 70% MFB	I I		
0 CMF-5000	+	ELS works				234 days	Mon 3/5/21	Sat 12/2/22	NOT 28/12/20	NA 10		-119 days 5	0% MFB	1	52	100
1 CMF-6100		Pharse A (A1 to N6) - Excavation to -11mPD and blinding		112 45		234 days	Mon 3/5/21	Sat 12/2/22	NA	NA	394SS	-119 days	0% MFB	1		
2 CMF-6110		Soil Excavation [Extended working hours 0700-1900 & reduction of excavation volume]				88 days	Mon 3/5/21	Mon 16/8/21	NA	NA 389,131,388	393	-119 days	0% MFB	1		
3 CMF-6120		Additional Rock Excavation [2200 cu.m, 7.5cu.m/group x 2]		112		146 days	Tue 17/8/21	Sat 12/2/22	NA	NA 392	396	-119 days	0% MFB	1		
4 CMF-6200		Pharse B (A6 to N10) - Excavation to -1.9mPD and blinding				100 days	Mon 3/5/21	Mon 30/8/21	NA	NA 391SS	397,403	45 days	0% MFB	1 		
5 CMF-7000 6 CMF-7100	KD1F	RC Structure works Phase A - from B2 - Level 1				262 days 112 days	Tue 15/3/22 Tue 15/3/22	Thu 2/2/23 Mon 1/8/22	NA NA	NA 10 NA 135,176,177,180,178,393	397SS+30 days,398,400	-144 days 5 -144 days	0% MFB	1		
5 CMF-7100 7 CMF-7110		Phase A - from B2 - Level 1 Phase B - from B1 - Level 1		+ +		112 days 112 days	Sat 23/4/22	Mon 1/8/22 Mon 5/9/22	NA	NA 135,176,177,180,178,393 NA 396SS+30 days,394	39755+30 days,398,400 399,400	-144 days -144 days	0% MFB	1		
8 CMF-7120	KD1G	Phase A - from Level 1 to Roof				120 days	Tue 2/8/22	Thu 22/12/22	NA	NA 396	401,402	-114 days	0% MFB	1		
9 CMF-7130 0 CMF-8000		Phase B - from Level 1 to Roof Allow access to Contractor DE/2018/04 for E&M installation and T&C works		+ $+$		120 days 0 days	Tue 6/9/22 Mon 5/9/22	Thu 2/2/23 Mon 5/9/22	NA NA	NA 397 NA 396,397	401,402 47FF	-144 days -142 days	0% MFB 0% MFB	1		
		(from B2-level 1)				Judys	.mon 3/8/22	MOI 3/3/22	INA			ouyo		I I		
1 CMF-9000	KD1G	Allow access to Contractor DE/2018/04 for E&M installation and T&C works (from Level to Roof)				0 days	Thu 2/2/23	Thu 2/2/23	NA	NA 398,399	48FF	-144 days	0% MFB	1		
	SW1	ABWF works + BS works		+		210 days	Fri 3/2/23	Tue 17/10/23	NA	NA 179,137,398,399	56FF	94 days	0% MFB	1		
CMF-10000			-			176 days	Tue 31/8/21	Sat 2/4/22	NA	NA 394	57FF	87 days	0% MFB	1		
2 CMF-10000 3 CMF-11000		Process Pipe CHQ chainage 0-65, CHM chainage 0-120, CHN chainage 0-125, CHO chainage 0-65, CHP chainage 0-60 & CHV chainage 0-50				in o duyo										

Data Date: 31/03/2021



		Plant - Main Works Stage 1								Revised Works Program						
Activity ID	Key Date	Fask Name	CE for Inclement	. Duration	Start	Finish	Actual Start	Actual Finish	Predecessors	Successors	Total Slack	Risk Allowance	% Complete	Individual Critical Path		
			Weather												uarter .	1st Quarter
CSA-0000	*	SAS Pumping Station, B-6		1148 days	Sat 18/4/20	Thu 29/2/24	Sat 18/4/20	NA	11		-15 days		62%		April January	
5 CSA-1000		Additional Preliminary Works		482 days	Tue 12/5/20	Sat 18/12/21	Tue 12/5/20			100	0 days		82%			
6 CSA-1100		Diversion of Existing SAS Rising Main near SAS Pumping Station (F 025)	PMI 68, 75, 76 69	170 days	Tue 9/6/20	Thu 31/12/20	Tue 9/6/20	Thu 31/12/20		420	0 days		100%			
7 CSA-1200		Decommission of exisiting power and signal systems in leachate Pu	mp 312, 309, 74	58 days	Mon 21/9/20	Mon 30/11/20	Mon 21/9/20	Mon 30/11/20	142	420	0 days		100%			
		station switch room (PPMI 039)	310													
3 CSA-1300		Construction of Cable trough for CLP 11kv Cable Diversion (PPMI 0-	41) 75, 76, 77, 61 144, 212,	91 days	Tue 12/5/20	Thu 31/12/20	Tue 12/5/20	Thu 31/12/20	144	420	0 days		100%			
			309, 310												I.	
09 CSA-1400		Demolition of Existing Pillar box and its concrete plinth (PPMI 014)	144, 212, 30 30	53 days	Wed 12/8/20	Sat 14/11/20	Wed 12/8/20	Sat 14/11/20	145	420	0 days		100%			
10 CSA-1500		Excavation to locate existing underground cble near SAS Pump Stat	ion 78	59 days	Wed 17/6/20	Sat 21/11/20	Wed 17/6/20	Sat 21/11/20	146	420	0 days		100%		1	
14 004 1000		Diversion of Evision DN00 Democrate Divise Main acces OAO Democratic	- 00	70 1-11	Tue 0/40/00	Thu: 01/10/00	Tue 0/40/00	Thu: 04/40/00		400	0.4		1000/		-	
11 CSA-1600		Diversion of Existing DN80 Permeate Rising Main near SAS Pumpin station	ig 89	72 days	Tue 6/10/20	Thu 31/12/20	Tue 6/10/20	Thu 31/12/20		420	0 days		100%			
2 CSA-1800		Trench Excavation near SAS for diversion of 11kV cable by CLP	309, 310 97	53 days	Mon 12/10/20	Sat 12/12/20	Mon 12/10/20	Sat 12/12/20		420	0 days		100%			
3 CSA-1700		Relocation of Oil Interceptor Near Existing Compressor House	144, 212, 30 70	125 days	Mon 3/8/20	Thu 31/12/20				420	0 days		100%			
4 CSA-1900 5 CSA-1910		Diversion of pumping system sewerage	212, 309, 31 83 m 309, 310 107 225	81 days	Wed 23/9/20	Thu 31/12/20				422,420,415	0 days		100%		_	
6 CSA-1910		Diversion of Existing copper pipe near proposed SAS pumping statio Pipework of proposed SAS Pumping Station - 13 nos. of puddles	on 309, 310 107 225 221	61 days 180 days	Mon 19/10/20 Mon 7/12/20	Thu 31/12/20 Mon 19/7/21			414	424SS+30 days	0 days 42 days		0%		-	@s
7 CSA-1930		Additional DN150 Rising main for SAS	220/69	15 days	Thu 2/12/21	Sat 18/12/21				424SS+30 days	0 days		100%			
3 CSA-1940		Additional DN90 PE pipe diversion	89	7 days	Sat 11/12/21	Sat 18/12/21	Sat 11/12/21	Sat 18/12/21			0 days		100%			
9 CSA-2000		Predrilling (4nrs, 1rig, 4days/drillhole/rig)	68	7 days	Sat 18/4/20	Sat 25/4/20	Sat 18/4/20			328,420	0 days		100%			
CSA-3000 CSA-4000	-	Pre-bored H piles (12nos, 1rigs, 4days/pile/rig) Pile Load Test		19 days	Mon 18/1/21 Tue 23/2/21	Mon 8/2/21 Fri 19/3/21			128,419,144,408,406,407,409,410,41 420		0 days	2	100%			
CSA-4000 CSA-5000	-	Pile Load Test Sheetpile Installation (FSP-II, 690sg.m, 40sgm/day)		22 days 28 days	Tue 23/2/21 Tue 30/3/21	Fri 19/3/21 Wed 5/5/21		Fri 19/3/21 NA	420 129,421,414	423,422 423	0 days -122 days		100%		-  i	
CSA-5000		ELS works (1300cu.m soil with 2 layers wailing / strutting)		75 days	Thu 6/5/21	Wed 3/3/21 Wed 4/8/21			422,131,421,124	424	-122 days	2	0%			
4 CSA-7000		R.C. Structure works		186 days	Mon 10/1/22	Fri 26/8/22	NA	NA	136,176,177,423,180,178,416SS+30		-251 days	5	0%			
5 CSA-8000		Allow access to Contractor DE/2018/03 for E&M installation and T&C w	orks	0 days	Fri 26/8/22	Fri 26/8/22			424	49FF	-251 days		0%			
CSA-9000	SW1	ABWF works + BS works Ancillary Structures B-7		90 days	Fri 10/11/23	Thu 29/2/24	NA		424,179,137,476SS	56FF	-15 days		0%			<u> </u>
7 CAS-0000 3 CAS-1000		Ancillary Structures, B-7 Demolition of Existing Faciliates and Structures (leachate pump pit &		980 days 120 days	Mon 9/11/20 Mon 9/11/20	Thu 29/2/24 Wed 7/4/21	NA NA		12 118,156,158	453,429,465,471,438	-260 days -260 days		0%			
		pumping station)		.20 days			IN/A	1444	.,,	,			0.76			all
9 CFS-1000	*	Fire Services Sprinkler Pumping Room (12)		860 days	Thu 8/4/21	Thu 29/2/24	NA	NA	428		-260 days		0%			
80 CDS-1000		Demolition of Existing Leachate Pump Pit	241	50 days	Thu 8/4/21	Mon 7/6/21				431	-260 days		0%			
1 CDS-1100		Provision of Flowmeter chamber, gate valve chamber and associate seweage	d 85	50 days	Tue 8/6/21	Fri 6/8/21	NA	NA	430	432	-260 days		0%			
2 CDS-1200	-	Identify and Decommission the power, signal and instrumentation	88	50 days	Sat 7/8/21	Wed 6/10/21	NA	NA	431	433	-260 days		0%		-	
		systems of SSSH pump	00	50 days	Gui MUEL		IN/A	1444	-				0.76			
3 CFS-2000		Excavation for Raft Footing (800cu.m)		60 days	Thu 7/10/21	Thu 16/12/21			124,432	434,466,439	-260 days		0%			
4 CFS-3000	KD4	Plate load test		14 days	Fri 17/12/21	Wed 5/1/22			433	435	-36 days		0%			
5 CFS-4000 6 CFS-5000	KD1J KD1J	R.C. structure works Allow access to Contractor DE/2018/04 for E&M installation and T&C		60 days 0 days	Thu 6/1/22 Sat 19/3/22	Sat 19/3/22 Sat 19/3/22			434 435	437,436,51FF 51FF	-36 days -36 days	2	0%		- i	
		works		0 uays	Jai 13/3/22	Jai 19/3/22	NA	NA			00 uays		0%			
7 CFS-6000	SW1	ABWF works + BS works		90 days	Fri 10/11/23	Thu 29/2/24			179,137,435,476SS	56FF	-15 days		0%			
38 CEG-0000	*	Emergency Generator House (11)		650 days	Fri 17/12/21	Thu 29/2/24			428		-260 days		0%			
9 CEG-1000 0 CEG-2000	1	Excavation for Raft Footing (100cu.m) Plate load test		20 days 14 days	Fri 17/12/21 Thu 13/1/22	Wed 12/1/22 Fri 28/1/22			124,433 439	440 441	-260 days -260 days		0%		-	
1 CEG-2000	KD1,J	Plate load test R.C. structure works		14 days 30 days	Sat 29/1/22	Fri 28/1/22 Tue 8/3/22			439 440	441 442,51FF,443,445	-260 days -260 days	1	0%		-	
2 CEG-4000		Allow access to Contractor DE/2018/04 for E&M installation and T&C		0 days	Tue 8/3/22	Tue 8/3/22			441	51FF	-26 days		0%			
		works													i i	
3 CEG-5000	SW1	ABWF works + BS works		90 days	Fri 10/11/23	Thu 29/2/24			179,137,441,476SS	56FF	-15 days		0%			
4 CCS-1000		Chemical System No.1 (10) Excavation for Baft Ecoting (20cum)		586 days	Wed 9/3/22	Thu 29/2/24 Sat 19/3/22	NA NA		124.441	446,454	-260 days		0%			
5 CCS-1100 6 CCS-1110		Excavation for Raft Footing (20cu.m) Diversion of Leachate Rising Main near SSSH	241	10 days 30 days	Wed 9/3/22 Mon 21/3/22	Sat 19/3/22 Thu 28/4/22			445	446,454 447	-260 days -260 days		0%		-	
7 CCS-1200		Plate load test		14 days	Fri 29/4/22	Tue 17/5/22			446	448	-260 days		0%			
48 CCS-1300	KD1J	R.C. structure works		60 days	Wed 18/5/22	Thu 28/7/22	NA	NA	447	51FF,452,449	-260 days	2	0%			
49 CCS-1310		Construction of Flowmeter chamber, gate valve chamber and associ sewerage	ated 085	60 days	Fri 29/7/22	Mon 10/10/22	NA	NA	448	450	-260 days		0%			
50 CCS-1310	-	Demolition of SSSH Pump Pit and Associated Sewerage System	086	60 days	Tue 11/10/22	Mon 19/12/22	NA	NIA.	449	451	-260 days		0%			
51 CCS-1310	KD1J	Allow access to Contractor DE/2018/04 for E&M installation and T&C		0 days	Mon 19/12/22	Mon 19/12/22 Mon 19/12/22			449 450	451 51FF	-260 days		0%			
		works														
2 CCS-1500	SW1	ABWF works + BS works		90 days	Fri 10/11/23	Thu 29/2/24			179,137,448,476SS	56FF	-15 days		0%			
3 CCS-2000 4 CCS-2100		Chemical System No.2 (13) Excavation for Raft Footing (100cu.m)		30 days	Mon 21/3/22 Mon 21/3/22	Thu 29/2/24 Thu 28/4/22			<b>428</b> 124.445	455,461	-130 days -130 days		0%			
54 CCS-2100 55 CCS-2200		Plate load test		30 days 14 days	Fri 29/4/22	Tue 17/5/22			454	455,461	-130 days -125 days		0%		-	
6 CCS-2300	KD1J	R.C. structure works		45 days	Wed 18/5/22	Mon 11/7/22			455	457,51FF,458,459	-125 days	2	0%			
57 CCS-2400		Allow access to Contractor DE/2018/04 for E&M installation and T&C	3	0 days	Mon 11/7/22	Mon 11/7/22			456	51FF	-125 days		0%			
0.000.000	01111	Works			F	-			170 107 100 17000	5055	45.1					
58 CCS-2500 59 CCS-2600		ABWF works + BS works Demolition of existing chemical room		90 days 60 days	Fri 10/11/23 Tue 12/7/22	Thu 29/2/24 Tue 20/9/22			179,137,456,476SS 456	56FF 56FF	-15 days 412 days		0%		-  i	
59 CCS-2600 50 CDS-0000	*	Demoiltion of existing chemical room Deodorization System No.3A (8)		60 days 64 days	Fri 29/4/22	Sat 16/7/22				5011	-130 days		0%			
61 CDS-2000		Excavation for Raft Footing (400cu.m)		20 days	Fri 29/4/22	Tue 24/5/22			124,454	462	-130 days		0%			
62 CDS-3000		Plate load test		14 days	Wed 25/5/22	Fri 10/6/22	NA	NA	461	463	-130 days		0%			
3 CDS-4000		Footing works		30 days	Sat 11/6/22	Sat 16/7/22			462	464,51FF	-130 days		0%			
4 CDS-5000	KD1J	Allow access to Contractor DE/2018/04 for E&M installation and T&0 works		0 days	Sat 16/7/22	Sat 16/7/22	NA	NA	463	51FF	-130 days		0%			
5 CTC-0000	*	Temporary Chemical Dosing System (5)		650 days	Fri 17/12/21	Thu 29/2/24	NA	NA	428		-51 days		0%			
6 CTC-1000		Excavation for Raft Footing (300cu.m)		30 days	Fri 17/12/21	Mon 24/1/22			124,433	467	-51 days		0%			
67 CTC-2000		Plate load test		14 days	Tue 25/1/22	Sat 12/2/22	NA	NA	466	468	-51 days		0%			
68 CTC-3000		R.C. structure works		45 days	Mon 14/2/22	Thu 7/4/22			467	469,51FF,470	-51 days	1	0%			
69 CTC-4000	KD1J	Allow access to Contractor DE/2018/04 for E&M installation and T&G works		0 days	Thu 7/4/22	Thu 7/4/22	NA	NA	468	51FF	-51 days		0%			
0 CTC-5000	SW1	ABWF works + BS works		90 days	Fri 10/11/23	Thu 29/2/24	NA	NA	179,137,468,476SS	56FF	-15 days		0%			
71 CFB-0000	*	Fire Hydrant and Booster Pump Room (19)		164 days	Sat 12/8/23	Thu 29/2/24			428		-522 days		0%			
2 CFB-1000		Excavation for Raft Footing (200cu.m)		30 days	Sat 12/8/23	Fri 15/9/23	NA	NA	124,320	473	-522 days		0%			
3 CFB-2000	1/5	Plate load test		14 days	Sat 16/9/23	Wed 4/10/23			472	474	-522 days		0%			
4 CFB-3000 5 CFB-4000		R.C. structure works Allow access to Contractor DE/2018/04 for E&M installation and T&/		30 days	Thu 5/10/23 Thu 9/11/23	Thu 9/11/23 Thu 9/11/23			473 474	475,476,51FF 51FF	-522 days	1	0%			
J UCB-4000	NUIJ	Allow access to Contractor DE/2018/04 for E&M installation and T&C works		0 days	Thu 9/11/23	Thu 9/11/23	NA	NA	7/7	SIFF	-522 days		0%			
CFB-5000		ABWF works + BS works		90 days	Fri 10/11/23	Thu 29/2/24	NA	NA	474,179,137	56FF,443SS,470SS,437	SS,4-15 days		0%		1 !	
CDS1-0000		Deodorization System No.1 (6)		64 days	Sat 12/8/23	Sat 28/10/23	NA	NA			-512 days		0%			
B CDS1-1000		Excavation for Raft Footing (400cu.m)		20 days	Sat 12/8/23	Mon 4/9/23			320	479	-512 days		0%		i i	
9 CDS1-2000		Plate load test		14 days	Tue 5/9/23	Wed 20/9/23			478	480	-512 days		0%		-	
0 CDS1-3000		Footing works Allow access to Contractor DE/2018/04 for E&M installation and T&C		30 days 0 days	Thu 21/9/23 Sat 28/10/23	Sat 28/10/23 Sat 28/10/23			479 480	481 51FF	-512 days -512 days		0%			
. 5231-4000	1010	Allow access to Contractor DE/2018/04 for E&M installation and T&G works		u days	Jai 20/10/23	Jai 20/10/23	NA	NA	100	5111	-JIZ udys		0%			
2 CAA-0000	*	Additional and Alternation Works for Existing Facilities (B-7A, B-8, B-	BA)	918 days	Mon 1/6/20	Thu 6/7/23	Mon 1/6/20	NA			577.5 days		41%			•
																-
3 CAA-1000	KD2B	B-8A Alternation works for existing Air Blower House No.2 (Pipelin CHTA, approx. 133m DN800 D.I.)	e	320 days	Mon 1/6/20	Mon 28/6/21	Mon 1/6/20	NA	15,138,174	53FF	1175.5 days		53%			- •<
4 CAA-1100			057	407	Map 1/0/00	Tuo 10/11/00	Map 1/0/02	Tuo 10/11/00		487.488.489	0 douro		100%		-	_ `
64 CAA-1100 65 CAA-1200		Change of pipe bridge design Additional inspection pit to verify the connection point to existing (CI	057	135 days 135 days	Mon 1/6/20 Mon 1/6/20	Tue 10/11/20 Tue 10/11/20				487,488,489 487,488,489	0 days 0 days		100%		-	
		xxx)		.55 days			mon 1/0/20	. 30 10/11/20		,	- 5495		100%			_
		Additional MBV installation (CE xxx)		135 days	Mon 1/6/20	Tue 10/11/20	Mon 1/6/20	Tue 10/11/20		487,488,489	0 days		100%		1	
6 CAA-1300																
CAA-1300																



ntract No. DC/2018/07 k Wu Hui Effluent Polish	ning Plant - Main Works Stage 1								Revised Works Programme	ie (status Date: 31/03)	/2021)		
D Activity ID Key Date	5	CE for NCE Inclement Weather	/EPMI/CE no.	Duration	Start	Finish	Actual Start	Actual Finish Predecessors	Successors	Total Slack F	Risk Allowance % Complete Individual Critical Path		I Quarter
7 CAA-1400	Alternation works for existing Air Blower House No.2 (Pipeline CHTA, approx. 133m DN800 D.I.)			185 days	Wed 11/11/20	Mon 28/6/21	Wed 11/11/20	NA 484,485,486	53FF	1175.5 days	9%	April January October July April January October July	
8 CAA-1500 KD2B	Re-alignment of DN800 Temporary Air Main (CHTA) and Provision of FRP Staircases		064	185 days	Wed 11/11/20	Mon 28/6/21	Wed 11/11/20	NA 484,485,486	53FF	1175.5 days	9%		
9 CAA-1600 KD2B	Elevated Section of DN800 Temporary Air Main (CHTA) across existing Bioreactor's Distibution Chamber No. 2 (PPMI 044)	017	062	60 days	Wed 11/11/20	Fri 22/1/21	NA	NA 484,485,486	53FF	1300.5 days	0%		
0 CAA-2000 KD11	B7-A Alternation works for exisiting Power House			120 days	Fri 4/9/20	Thu 28/1/21	Fri 4/9/20	Thu 28/1/21 13FS-1 day,118,156,158,166	50FF,491	0 days	100%		
11 CAA-2100	Additional works for Power House		224	60 days	Fri 29/1/21	Thu 15/4/21	NA	NA 490		1235.5 days	0%		
2 CAA-3000 SW3	Alternation works for existing Membrane Facilities Building No.1			360 days	Tue 19/4/22	Thu 6/7/23	NA	NA 14FS-1 day,165	58FF	269 days	0%		
3 CUU-0000 *	External Underground Service, Utilities, Road/Drain			1041 days	Mon 27/4/20	Sat 28/10/23	Mon 27/4/20	NA 16		482.5 days	34%		
4 CUU-1000 KD2A	Process Pipes CHR and CHS (approx. 93m twin DN900 D.I.)			272 days	Mon 27/4/20	Wed 4/8/21	Mon 27/4/20	NA 174,138	506SS+48 days,504SS+48	8 d-39.8 days	27%		
5 CUU-1000a	Special Treatment for Removing the Existing Abandoned DN1800 By-pass Pipe and the Concrete Mass in Conflict with the Proposed Sheetpile wall for trenching work of Process Pipeline CHR and CHS	029		54 days	Sat 30/5/20	Mon 3/8/20	Sat 30/5/20			0 days	100%		
6 CUU-1000b	Trenchless work for Process Pipes CHR and CHS (approx. 7m twin DN90 D.I.) (PPMI 040)	)	255	60 days	Mon 21/12/20	Sat 6/3/21	NA	NA	52FF	82 days	0%		
7 CUU-1001	Removal of Abandoned DN1800 Concrete Pipe and Concrete Mass near Existing UV Disinfection Channel at CHR & CHS Process Pipe Works Area	a	033	43 days	Thu 2/7/20	Thu 20/8/20	Thu 2/7/20	Thu 20/8/20		0 days	100%		
18 CUU-1002	Grouting for Sheung Shui Slaughter House Boundary Walls along CHR & CHS Pipes Works Area (PPMI 064)			20 days	Fri 23/10/20	Mon 16/11/20	Fri 23/10/20	NA		0 days	84%		
9 CUU-1003	Ground settlement near CHR CHS Open trench due to leakage of water main at SSSH	080		30 days	Thu 31/12/20	Thu 4/2/21	NA	NA		1289.5 days	0%		
0 CUU-1004	Delay Delivery of DI pipes due to COVID-19	076		372 days	Tue 22/12/20	Fri 25/3/22	Tue 22/12/20	Fri 25/3/22	502FF	0 days	100%		
11 CUU-1005	Change alignment and fittings for CHDO1 and CHDO2	074		78 days	Fri 4/12/20	Thu 11/3/21	Fri 4/12/20	NA	502FF	403 days	20%		
2 CUU-2000 SW2	Process Pipes, including CHT, CHX, CHY, CHPS1&2, CHS S1&2, CHDO 1&2, CHPSW 1-8, CHTPS, CHPT1&2. CHTFT 1&2, CHTE, CHTD, Foam Collection & Surplus activated sludge rising main pipe			457 days	Mon 19/10/20	Fri 6/5/22	Mon 19/10/20	NA 174,494SS+48 days,138,500FF,501F	F 57FF,507	63 days	30%		
3 CUU-3000 SW2	Drainage			457 days	Mon 19/10/20	Fri 6/5/22	Mon 19/10/20	NA 174,494SS+48 days,138	57FF,507	63 days 5	30%	•	
4 CUU-4000 SW2	Sewerage			457 days	Mon 19/10/20	Fri 6/5/22	Mon 19/10/20	NA 494SS+48 days,174,138	57FF,507	63 days 5	30%		
5 CUU-5000 SW2	Waterworks			542 days	Mon 19/10/20	Wed 17/8/22	Mon 19/10/20	NA 494SS+48 days,174,138	509FS+2 days,57FF	-22 days 5	30%		
6 CUU-6000 SW2	Cable Ducts			457 days	Mon 19/10/20	Fri 6/5/22	Mon 19/10/20	NA 494SS+48 days,174,138	507,57FF	63 days 5	30%		
7 CUU-7000 KD3A	Roadworks			440 days	Sat 7/5/22	Sat 28/10/23	NA	NA 506,503,504,502	54FF	64 days 5	õ 0%		
8 CLW-0000 *	Landscaping Works			794 days	Sat 20/8/22	Fri 25/4/25	NA	NA 16		37 days	0%		—
9 CLW-1000 SW3	Irrigation System			120 days	Sat 20/8/22	Fri 13/1/23	NA	NA 505FS+2 days,174	510,58FF	37 days	0%	i i i i i i i i i i i i i i i i i i i	
0 CLW-2000 SW3	Hard Landscaping Works			185 days	Sat 14/1/23	Wed 30/8/23	NA	NA 509,139	511,58FF	37 days 5	5 0%		
1 CLW-3000 SW3	Soft Landscaping Works			185 days	Thu 31/8/23	Thu 25/4/24	NA	NA 510,139	512,58FF	37 days 5	i 0%		
2 CLW-4000 DLP	Establishment Works (365 days)			365 days	Fri 26/4/24	Fri 25/4/25	NA	NA 511,139	59FF.60FF	48.5 days 5	0%		

File: DC201807_Revised Works Progr	Ta
Data Date: 31/03/2021	

Task Milestone + Summary Critical

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		Duration	Early Start	Early Finish	Late Start	Late Finish	Total Float	OND	JFN		Jul A	SONE	D J F M	A M J Jul 14 15 16 17	A S Oct N
WH - Main	Works Stage 1 Sidestream Treatment Facilities & E&M Works for SI	udae Tre	atment Fac	ilities				0 -4 -3	-2 -1			, 0 9 1		17 10 17	13 20 21
		uuge me		Jintes											
	Complete Design, Construction & T&C for Sidestream Facilities										1				
	ntractor / Supplier Procurement														
	ng Contractor														
For Main Ci			1	1											
AS512590f	Submit Tender proprosal of Civil Contractor (Main Civil Works)	30	17-Mar-21 A	15-Apr-21	21-Mar-21	15-Apr-21	0								
105100000			40.4.04	00.14	10.0.01	00.14	-								
AS512600f			16-Apr-21	06-May-21	· ·	06-May-21	0								
	Tender Invitation of Civil Contractor (Main Civil Works)		07-May-21	20-May-21	,	20-May-21	0								
AS512620f			21-May-21	27-May-21		27-May-21	0								
AS512630f			28-May-21	17-Jun-21	28-May-21		0								i
AS512640f			18-Jun-21	24-Jun-21		24-Jun-21	0								
	Civil Contractor (Main Civil Works) Award	1	25-Jun-21	25-Jun-21	25-Jun-21	25-Jun-21	0			i ř	1				
Design & Sub															
Civil / Structu			1	1											
AS160330	Review & Accept of Foundation Design / Drawings by ICE & PM	10	26-Feb-21 A	26-Mar-21	21-Mar-21	26-Mar-21	0								
10100050-	Devices 9 Accords (Encodering Devices / Devices to DOD (fact DON)	45	00 14 01 4	10 4	07.1404	40.404	0								
AS160350e	Review & Accept of Foundation Design / Drawings by DSD (incl. BCM)	45	06-Mar-21 A	19-Apr-21	27-Mar-21	19-Apr-21	0			7					
ELS															
AS512160e	Prepare & Submit ELS Plan to ICE	-	26-Jun-21	02-Jul-21	26-Jun-21	02-Jul-21	0			[					
	•		26-Juli-21 03-Jul-21		03-Jul-21	02-Jul-21 09-Jul-21	0			(	9 				
AS512170e				09-Jul-21			0								
AS512180e			10-Jul-21	16-Jul-21	10-Jul-21	16-Jul-21	0								
AS512190e			17-Jul-21	23-Jul-21	17-Jul-21	23-Jul-21	0								
AS512200e	1		24-Jul-21	30-Jul-21	24-Jul-21	30-Jul-21	0								
	Review & Accept of ELS Plan by PM	21	31-Jul-21	20-Aug-21	31-Jul-21	20-Aug-21	0								
	Materials Procurement														
E&M Proces															
AS153100	Procurement, Manufacture & Delivery of Deammonification Sidestream Treatment Facilities	360	19-Apr-21	13-Apr-22	19-Apr-21	13-Apr-22	0				:	1	: r	3	
	ement, Tilting & Utility Monitoring			,											
AS153200f	Ground Settlement, Tilting & Utility Monitoring	1184	12-Dec-20 A	09-Mar-24	21-Mar-21	09-Mar-24	0				:			:	:
o: ::															
NUM Worke C	onstruction										1		- t		
						10.4.04								1	1
	Minor Civil Works & Preperation Works for Piling	31	20-Mar-21 A	19-Apr-21	21-Mar-21	19-Apr-21	0								
AS161145g				•			0								
AS161145g AS161150g	Piling Works	100	20-Apr-21	28-Jul-21	20-Apr-21	28-Jul-21	0								
AS161145g AS161150g AS161155g	Piling Works Post-drilling, Proof test & remaining works	100	20-Apr-21 29-Jul-21	28-Jul-21 20-Aug-21	20-Apr-21 29-Jul-21	28-Jul-21 20-Aug-21	0								
AS161145g AS161150g AS161155g AS161160	Piling Works       Post-drilling, Proof test & remaining works       Excavation / ELS	100 23 90	20-Apr-21 29-Jul-21 21-Aug-21	28-Jul-21 20-Aug-21 18-Nov-21	20-Apr-21 29-Jul-21 21-Aug-21	28-Jul-21 20-Aug-21 18-Nov-21	0 0 0 0 0								
AS161145g AS161150g AS161155g AS161160 AS161180	Piling Works         Post-drilling, Proof test & remaining works         Excavation / ELS         Substructure / Superstructure	100 23 90	20-Apr-21 29-Jul-21	28-Jul-21 20-Aug-21	20-Apr-21 29-Jul-21 21-Aug-21	28-Jul-21 20-Aug-21	0 0 0 0 0								
AS161145g AS161150g AS161155g AS161160 AS161180 <b>E&amp;M Installati</b>	Piling Works Post-drilling, Proof test & remaining works Excavation / ELS Substructure / Superstructure	100 23 90 180	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22	0 0 0 0					<b>-</b>		_	
AS161145g AS161150g AS161155g AS161160 AS161180 E&M Installatt AS154100	Piling Works         Post-drilling, Proof test & remaining works         Excavation / ELS         Substructure / Superstructure         ion         E&M Installation of Deammonification Sidestream Treatment Facilities	100 23 90 180	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21 14-Apr-22	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22 30-Oct-22	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21 14-Apr-22	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22 30-Oct-22	0 0 0 0 0					<b></b>			
AS161145g AS161150g AS161155g AS161160 AS161180 <mark>S&amp;M Installatt</mark> AS154100 AS154240	Piling Works         Post-drilling, Proof test & remaining works         Excavation / ELS         Substructure / Superstructure         on         E&M Installation of Dearmonification Sidestream Treatment Facilities         Installation of Control & Monitoring System	100 23 90 180 200 120	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21 14-Apr-22 17-Aug-22	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21 14-Apr-22 17-Aug-22	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22 30-Oct-22 14-Dec-22	0 0 0 0 0 0					<b></b>			
AS161145g AS161150g AS161155g AS161160 AS161180 <mark>S&amp;M Installatt</mark> AS154100 AS154240	Piling Works         Post-drilling, Proof test & remaining works         Excavation / ELS         Substructure / Superstructure         ion         E&M Installation of Deammonification Sidestream Treatment Facilities	100 23 90 180 200 120	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21 14-Apr-22	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22 30-Oct-22	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21 14-Apr-22 17-Aug-22	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22 30-Oct-22	0 0 0 0 0 0 0 0 0					<b>-</b>			
AS161145g AS161155g AS161155g AS161160 AS161180 <b>38M Installatt</b> AS154100 AS154240 AS154260	Piling Works         Post-drilling, Proof test & remaining works         Excavation / ELS         Substructure / Superstructure         on         E&M Installation of Dearmonification Sidestream Treatment Facilities         Installation of Control & Monitoring System	100 23 90 180 200 120 90	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21 14-Apr-22 17-Aug-22	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22 30-Oct-22 14-Dec-22	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21 14-Apr-22 17-Aug-22 16-Sep-22	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22 30-Oct-22 14-Dec-22	0 0 0 0 0 0 0 0 0 0					<b>C</b>			
AS161145g AS161150g AS161155g AS161160 AS161180 E&M Installati AS154100 AS154240 AS154260 AS154270	Piling Works         Post-drilling, Proof test & remaining works         Excavation / ELS         Substructure / Superstructure         ion         E&M Installation of Deammonification Sidestream Treatment Facilities         Installation of Control & Monitoring System         Installation of Gas Detection System         Installation of Gas Detection System	100 23 90 180 200 120 90	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21 14-Apr-22 17-Aug-22 16-Sep-22	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22 30-Oct-22 14-Dec-22 14-Dec-22	20-Apr-21 29-Jul-21 21-Aug-21 19-Nov-21 14-Apr-22 17-Aug-22 16-Sep-22	28-Jul-21 20-Aug-21 18-Nov-21 17-May-22 30-Oct-22 14-Dec-22 14-Dec-22	0 0 0 0 0 0 0 0 0 0					<b>C</b>			
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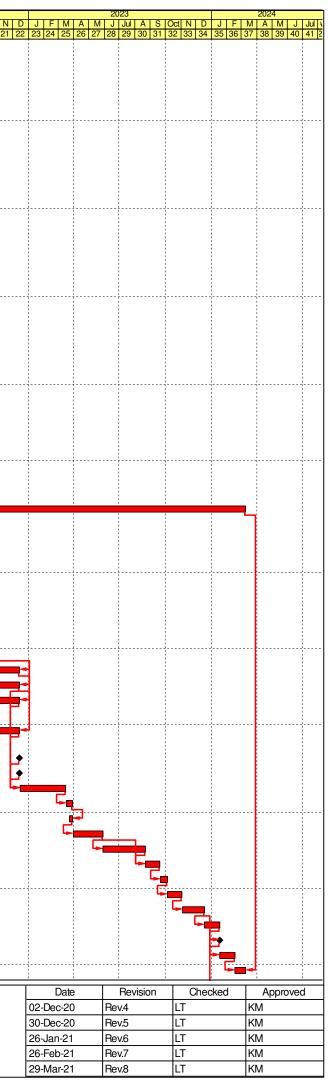
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JEC

Critical Activity

Milestone
Actual Progress

Contract No. DE/2018/03 Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 Sidestream Treatment Facilities and E&M Works for Sluge Treatment Faciliteis Revised Programme - as at 20 Mar 2021 (Critical Path)



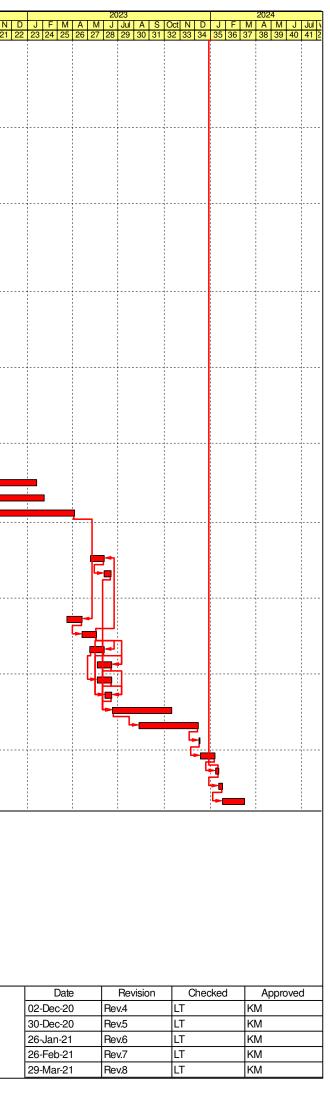
rity ID	Activity Name	Original Ear	rly Start	Early Finish	Late Start	Late Finish	Total			2021			2	022	
		Duration					Float	O N D J F N -5 -4 -3 -2 -1 1	1 A M J 2 3 4	JUIA	S O N 7 8 9 1		M A M J 3 14 15 16	Jul A S	20 2
ection 4 -	Complete Construction & T&C for UV System No.1 & EP Station No	<b>b.</b> 1													
	Materials Fabrication & Delivery													-	
AS104180	Fabrication & Delivery of EOT Cranes (2T & 5T) (S19)	120 28	Jan-21 A	27-May-21	21-Mar-21	27-May-21	0							-	
						,	-								
AS104300	Fabrication & Delivery of Pipeworks & Associated Valves	180 11-	-Jan-21 A	09-Jul-21	21-Mar-21	09-Jul-21	0			<b>.</b>				-	
														ļ	
AS104320	Fabrication & Delivery of Elec. Materials	150 24	-Jun-21	20-Nov-21	24-Jun-21	20-Nov-21	0			-	: ٢				
E&M Installati															
AS106100	Mobilisation		-Apr-21	24-May-21	25-Apr-21	,	0		<b></b>	-					
AS106120	E&M Installation of EOT Cranes (5T)	60 25	-May-21	23-Jul-21	25-May-21	23-Jul-21	0					-		-	
AS106160	E&M Installation of Lift-up Pumps & Associated Pipeworks / Valves	75 24		06-Oct-21	24-Jul-21		0							<u>.</u>	
AS106180	E&M Installation of Transfer Pumps & Associated Pipeworks / Valves	75 08	-Sep-21	21-Nov-21	08-Sep-21		0			-		-		-	
AS106210	E&M Installation of UV System	120 29	-Sep-21	26-Jan-22	29-Sep-21	26-Jan-22	0							-	
AS106220	FS Installation - Conduits, Trunking, & Pipeworks	90 24	-Jul-21	21-Oct-21	27-Jul-21	24-Oct-21	3							-	
AS106240	FS Installation - Cable Laying, Termination, Associated Fitting & Field Devices	45 22	-Oct-21	05-Dec-21	25-Oct-21	08-Dec-21	3					4			
AS106280	BS Fitting Installation - Cable Laying, Termination, Associated Fitting & Field Devices	60 28	-Nov-21	26-Jan-22	28-Nov-21	26-Jan-22	0						-		
AS106290g	Ready for Power Energization	0		26-Jan-22		26-Jan-22	0					IP			
	mission / Inspection														
	sion & Inspection										_				
AS107100	Prepare & Submit FS/314, FS/501 & FS/501a		-Nov-21	05-Dec-21	02-Dec-21		3				۳ے ا	•			
AS107110a	FSD Review & Approval of FS/314, FS/501 & FS/501a		-Dec-21	26-Dec-21	09-Dec-21		3								
AS107200	F.S. Inspection, Defects Rectification & Re-inspection		-Dec-21	09-Feb-22	30-Dec-21		3				•				
AS107300	Issuance of Acceptance Letter	28 10	-Feb-22	09-Mar-22	13-Feb-22	12-Mar-22	3								
Testing & Con	an a													-	
AS107400	SAT for UV System No. 1 & Effuent Transfer Pumping Station No. 1		-Jan-22	10-Feb-22		10-Feb-22	0								
AS107500	System Commissioning Tests	30 11-	-Feb-22	12-Mar-22	11-Feb-22	12-Mar-22	0								
Section 5 -	Complete all remaining Works (incl. T&C)														
Biogas Storag	ge & Pre-Treatment (BSPT)														
AS504500	E&M Installation of Biogas Storage Tank 1	240 25	-May-22	19-Jan-23	25-May-22	19-Jan-23	0						. <b>–</b>		÷
AS504520	E&M Installation of Biogas Storage Tank 2	240 09	-Jun-22	03-Feb-23	09-Jun-22	03-Feb-23	0						╘	· 	Ļ
AS504540	E&M Installation of Biogas Storage Tank 3	210 07	-Sep-22	04-Apr-23	07-Sep-22	04-Apr-23	0								ļ
Statutory Sub	mission / Inspection													-	
EMSD Submi	ission / Inspection														
AS509420a	Application for Approval of Use of Notifiable Gas Installation (Form 105)	28 06	-May-23	02-Jun-23	08-May-23	04-Jun-23	2								
	EMSD Inspection - Gas Holding Tanks	14 03	Jun-23	16-Jun-23	05-Jun-23	18-Jun-23	2								
Testing & Con	nmissioning														
T&C of E&M	Process													-	
AS510500	SAT for Biogas Storage System	30 21	-Mar-23	19-Apr-23	21-Mar-23	19-Apr-23	0								
AS510600	System Commissioning Tests for Biogas Storage System	30 20	-Apr-23	19-May-23	20-Apr-23	19-May-23	0								
AS510800	System Commissioning Tests for Sludge Digestion System	30 05	-May-23	03-Jun-23	05-May-23	03-Jun-23	0								
AS511000	System Commissioning Tests for Gas Burning System	30 20	-May-23	18-Jun-23	20-May-23	18-Jun-23	0								
AS511200	System Commissioning Tests for CHP System	30 20	-May-23	18-Jun-23	20-May-23	18-Jun-23	0								
AS512100	Seeding	14 05	Jun-23	18-Jun-23	05-Jun-23	18-Jun-23	0								
AS512200a	Process Start Up - Digester 1	120 19	Jun-23	16-Oct-23	19-Jun-23	16-Oct-23	0								
AS512500a	Process Start Up - Digester 2	120 11-	-Aug-23	08-Dec-23	11-Aug-23	08-Dec-23	0							-	
AS512600a	Notice to Commence Phase 1 System Commissioning - Digester 2	3 09	-Dec-23	11-Dec-23	09-Dec-23	11-Dec-23	0							-	
AS512700a	Phase 1 System Commissioning - Digester 2	30 12	-Dec-23	10-Jan-24	12-Dec-23	10-Jan-24	0								
AS512800a	Phase 2 System Commissioning - Digester 1 & 2	7 11-	-Jan-24	17-Jan-24	11-Jan-24	17-Jan-24	0							-	
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AS512900a	Notice to Commence Plant Commissioning	7 18	-Jan-24	24-Jan-24	18-Jan-24	24-Jan-24	0			1					

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Remaining Work
 Critical Activity
 Milestone
 Actual Progress

Contract No. DE/2018/03 Shek Wu Hui Effluent Polishing Plant - Main Works Stage 1 Sidestream Treatment Facilities and E&M Works for Sluge Treatment Faciliteis Revised Programme - as at 20 Mar 2021 (Critical Path)



	sinage Services	Department		Shek Wu Hul E	Iffuent Polishing Plan	osed Work Programme nt - Main Works Stage 1	E&M Works for Sewage Treatment Facilities		A
10	was	Task Name	Duration Start Finish Fi	loat Time Predecessors	Successors	Resource Names	2020 Hull L 2020 N J M M J M J S	2028 Half 1, 2028	2022 2023 2024 Huff 2, 2027 Huff 2, 2022 Huff 2, 2023 Huf
-	11	DE/2018/04 - Contract Master Programme	Start and Finish 1990 days Mon 02/12/19 Tue 13/05/25	0 days		14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	H I M M I I S	I N I J I M	
	21.1	Storting Date	D days Mon 02/12/19 Mon 02/12/15	0 days	J35+1625 edays,6.	2	e.02/12		
	312	Completion Date	0 days Tue 14/05/24 Tue 14/05/24	0 days 255+1625 edays.	H4				
	413	Defect Dates with respect to Completion Date	365 days Tue 14/05/24 Tue 13/05/25	0 doys 3					
	52	Access Dates	1599 days Mon 02/12/19 Thu 18/04/24	0 days			-		
	62.1	Access Date for Works Area WAI-C	90 days Mon 02/12/19 Sat 29/02/20	0 days			12 MA1-Gam 29/02		
	722	Access Date for Works Area WA2-C	90 days Mon 02/12/19 Sat 29/02/20	0 days			12 MA2-Gung 29/02		
1	82.3	Access Date for Portion B-2, Inlet Works No. 1	150 edays Tue 28/06/22 Fri 25/11/22	0 edays					28/06 IW 25/11
	92.4	Access Date for Portion B-3, PST No. 1"4	50 edays Sat 14/01/23 Fri 14/04/23	0 edays					14/01 EST 14/04
	102.5	Access Date for Portion 8-3A, Existing PST No. 4 and No. 6	0 days Mon 02/12/19 Mon 02/12/15	0 days			o 02/12		
	112.6	Access Date for Portion 8-30, Temporary Filtrate Lifting Well and Eq. Tank	0 days Mon 02/12/19 Mon 02/12/19	0 days			02/12		
1	12 2.7	Access Date for Portion B-6, Feinporary Finance Ching View and Co. Mint	90 edays Fri 25/11/22 Thu 23/02/23	0 edays		-			25/11 BR. 23/02
	132.8	Access Date for Portion 8-54, MFB No. 2 below 1st floor level	90 edays Mon 20/12/21 Sun 20/03/22	0 edays					20/12 MES 20/03
	142.9	Access Date for Portion 8-58, MFB No. 2 below 1st noor even Access Date for Portion 8-58, MFB No. 2 remaining portion	50 edays Thu 19/05/22 Wed 17/08/22	0 edays					19/05 MES 17/08
	152.10	Access Date for Portion B-36, MPB No. 2 remaining portion Access Date for Portion B-7 & 78, Chemical Dosing, Concrete Plinth for DOs, Chemical Sys 1 & 2		0 edays					20/12 schemizal annual 19/05
1	5 d 5 d 6			0 edays		-	e 02/12		
	162.11	Access Date for Portion B-7A & 7B, area for modification of existing emergency generator elect	60 edays Sun 18/02/24 Thu 18/04/24	0 edays					18/02
	17 2.12	Access Date for Portion 8-98, underground pipework	0 edays Mon 02/12/19 Mon 02/12/11	0 edays			0 02/12		
	182.13	Access Date for B-10, existing sludge thickening building	555 days Mon 02/12/19 Wed 09/06/2:	0 days		Constant of the	-		
	193	Key Dates	340 edays Mon 02/12/19 Fri 06/11/20	O sdara 31FF				6,06/11	
- 600	203.1	K01A - Submission of civil and dimensional requirement drawings, electrical schematic drawing		O edays 32FF					6,04/06
	21 3.2	KD18 - Submission of remaining civil and dimensional requirement drawings, electrical schema		O edays 32FF			€,29/07		
-	22 3.3	KD3A - Completion of E&M Installation works of existing power house in Portions B-7A and B-7	240 edrys Mon 02/12/19 Wed 29/07/28 555 edrys Mon 02/12/19 Wed 09/05/21						09/06
	23 3,4	KD38 - Completion of all work for reprovision of the existing Primary Sedimentation Tanks No.		O estays 34FF	and the second second			_	
	24.6	Sectional Completion Dates	1625 days Man 02/32/15 Tex \$4/05/28	a says	diam'r ar fer	144 ( 1944)			s,24/07
	25 4.1	Section 1 - Completion of the design of E&M Works for all works as defined in WI_GP CI. 10.1(a		0 edays 35FF					
	264.2	Section 2 - Completion of all works for Inlet Works, PST No. 1"4, BR No. 2A & 2B, MFB No. 2, te		0 edays 36FF					m. 22/09
	27.4.3	Section 3 - Completion of all works for retrofitting of the existing PST_etc (660 days after start)		0 edays 37FF					
	28 4.4	Section 4 - Completion of Work for remainder of the works (1625 days after starting date)	1625 edays Mon 02/12/19 Tue 14/05/24	O adays 38FF			12		
	295	DE/2018/04 - the Contractor's Programme (w/ Defects Date of Planned Completion Date)	1977 days Mon 02/12/19 Wed 30/04/2!	0 days					
	1.2 06	Starting Date	0 days Mon 02/12/19 Mon 02/12/15	0 days	623,19755+30 edo	×			
	31 5.2	Planned Key Date Completion Date - KD1A	0.daya Eri 30/10/20 Eri 30/10/20	Zdaxs	ZOFE			100000000	KD18 • 01/06
1	325.3	Planned Key Date Completion Date - KD18	Q.days Tue. 01/06/21 Tue. 01/06/21	Láni	ZIFE		KD3A - 22/07	1	
	11 5.4	Planned Key Date Completion Date - KD3A	0.days Wed 22/07/20 Wed 22/07/20	Zdana	225E		KD3A22/07		KD38
	345.5	Planned Key Date Completion Date - K038	9.days Mon.07/06/21 Mon.07/06/21	2.das	ZZIE				
	35 5.6	Planned Sectional Completion Date - Section 1	0 days Mon 12/07/21 Mon 12/07/21	11 days	25#F	1.0			<u></u> ź2/07
	36 5.7	Planned Sectional Completion Date - Section 2	0 days Mon 01/04/24 Mon 01/04/24	18 days	26FF				
	37 5.8	Planned Sectional Completion Date - Section 3	0 days Wed 01/09/21 Wed 01/09/21	21 days	2714				E Trias
	38 5.9	Planned Sectional Completion Date - Section 4	0 days Wed 01/05/24 Wed 01/05/24	13 days	28FF				
	39 5.10	Planned Completion Date	0 days Wed 08/05/24 Wed 08/05/24	5 days 1271,1272,1273,1	1:3				
1	405.11	Defect Dates with respect to planned completion date	365 days Wed 01/05/24 Wed 30/04/25	0 days					
	41 5.12	Part A: Procurement and Delivery of Major Plant and Materials	645 days Wed 01/07/20 Wed 06/04/2:	1	- C				
	42 5.12.1	Planned Completion Date for Procurement of major plant and materials	0 days Thu 03/06/21 Thu 03/06/21	0 days 3055+550 days					
	43 5.12.2	General - stoplogs and penstocks, C11, EQT013	120 days Wed 01/07/20 Wed 28/10/21	0 days				-	
	44 5.12.2.1	Submission for acceptance of purchasing package	60 days Wed 01/07/20 Sat 29/08/20	0 days	45				
1	45 3.12.2.2	Invitation of quotations for purchasing package	30 days Sun 30/08/20 Mon 28/09/20	0 days 44	46		-		
	46 5.12.2.3	Acceptance of conforming quotation (Completed)	30 days Tue 29/09/20 Wed 28/10/20	0 days 45	248	1.1	1 F		
	47 5.12.3	General - Instrumentations except use at BR, C11, EQT035-1	460 days Sat 02/01/21 Wed 06/04/2:	535 days				•	
	48 5.12.3.1	Submission for acceptance of purchasing package	60 days 5at 02/01/21 Tue 02/03/21	0 days	49			-	
	49 5.12.3.2	Invitation of quotations for purchasing package	30 days Wed 03/03/21 Thu 01/04/21	0 days 48	50			the second se	
	50 5.12.3.3	Acceptance of conforming quotation	30 days Fri 02/04/21 Sat 01/05/21	0 days 49	51			4	
	51 5.12.3.4	Manufacturing and Factory Acceptance Test of Plant	280 days Sun 02/05/21 Sat 05/02/22	0 days 50	52				Barran Barr
	52 5.12.3.5	Shipping and Delivery of Plant	60 days Sun 06/02/22 Wed 06/04/25	178 days 51	330,460,742				Real Provide P
	\$3 5.12.4	General - pipework and valves, C11, ref. EQT036 (Rev. 5)	120 days Mon 02/11/20 Mon 01/03/2:	17 days		-			
	54 5.12.4.1	Submission for acceptance of purchasing package	60 days Mon 02/11/20 Thu 31/12/20	0 days	55			-	
	55 5.12.4.2	Invitation of quotations for purchasing package	30 days Fri 01/01/21 Sat 30/01/21	0 days 54	56			-	
	56 5.12.4.3	Acceptance of conforming quotation	30 days Sun 31/01/21 Mon 01/03/23	0 days 55	248,294,523,646,6	4		-	
	57 5.12.5	General - electric actuators, C11, ref. EQT042	72 days Wed 02/12/20 Thu 11/02/21	35 days					
		Submission for acceptance of purchasing package	30 days Wed 02/12/20 Thu 31/12/20		59			-	
	58 5.12.5.1								

	inage Sarvises De	partiment.		Shek Wu Hu	Effluent Polishing Plan	sed Work Programm t - Main Works Stage	a 1 EBM Works for Sewage Treatment Facilities
0	WBS	Task Name	Duration Start Finish F	loat Time Fredocessors	Successors	Resource Names	2002 2002 2011 2012 2015 2011 2012 2015 2011 2012 20110 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 20110
	59 5.12.5.2	Invitation of quotations for purchasing package	Start and Finish 21 days Fri 01/01/21 Thu 21/01/21	0 days 58	60		
1.2	605.12.5.3	Acceptance of conforming quotation	21 days Fri 22/01/21 Thu 11/02/21	18 days 59	248,294,523,646,6		
	61 5.12.6	General - HV Switchboards, C9, ref. EQT031 (Rev. 5)	105 days Mon 04/01/21 Sun 18/04/21	25 days	Contraction and the		
	62 5.12.6.1	Submission for acceptance of purchasing package	45 days Mon 04/01/21 Wed 17/02/21	0 days	63		
	63 5.12.6.2	Invitation of quotations for purchasing package	30 days Thu 18/02/21 Fri 19/03/21	0 days 62	64		
	64 5.12.6.3	Acceptance of conforming quotation	30 days Sat 20/03/21 Sun 18/04/21	0 days 63	651,252		
	65 5.12.7	General - LV Switchboards, C9, ref. EQT033 (Rev. 5)	120 days Mon 04/01/21 Men 03/05/2:	20.200 C	1. 20. 20. 20. 1		
	65 5.12.7	Submission for acceptance of purchasing package	60 days Mon 04/01/21 Thu 04/03/21	0 days	67		
	67 5.12.7.2	Invitation of quotations for purchasing package	30 days Fri 05/03/21 Sat 03/04/21	0 days 66	68		
			30 days Sun 04/04/21 Mon 03/05/21	0 days 67	251,526,397,650		
	68 5.12.7.3	Acceptance of conforming quotation General - VSDs & Passive Type Harmonic Filters, C11, ref. EQT034 (Rev. 5)	323 days Fri 01/01/21 Fri 19/11/21	403 days			
	69 5.12.8	Submission for acceptance of purchasing package	60 days Fri 01/01/21 Mon 03/03/21	0 days	71	-	
	705.12.8.1		30 days Tue 02/03/21 Wed 33/03/21	0 days 70	72		
		Invitation of quotations for purchasing package	30 days Thu 01/04/21 Fri 30/04/21	23 days 71	249,395,524,647		
1.2	725.12.8.3	Acceptance of conforming quotation	90 days Thu 08/07/21 Tue 05/10/21	0 days 249,395,524,64	and the second s		
1.1	735.12.8.4	Manufacturing and Factory Acceptance Test of Plant	45 days Wed 06/10/21 Fri 19/11/21	0 days 73	28755-90 edays		
	74 5.12.8.5	Shipping and Delivery of Plant to LVSB Sub-Contractor		20 days	course even		
	75 5.12.9	General - 11kV/380V Stepdown Power Transformers, C11, EQT032 (Rev. 5)	110 days Mon 18/01/21 Fri 07/05/21	20 days	77		
1.1	765.12.9.1	Submission for acceptance of purchasing package	50 days Mon 18/01/21 Mon 08/03/21	0 days 0 days 76	76		
	77 5.12.9.2	Invitation of quotations for purchasing package	30 days Tue 09/03/21 Wed 07/04/21 30 days Thu 08/04/21 Fri 07/05/21	16 days 77	249,647		
	785.12.9.3	Acceptance of conforming quotation		16 days 77 4 days	243,047		
	79 5.12.10	General - UPS, C11, EQT061 (Rev. 5)	105 days Mon 08/02/21 Sun 23/05/21	0 days			
	80 5.12.10.1	Submission for acceptance of purchasing package	45 days Mon 08/02/21 Wed 24/03/21 30 days Thu 25/03/21 Fri 23/04/21	0 days 0 days 80	81 82	-	
	81 5.12.10.2	Invitation of quotations for purchasing package			82 249,395,524,647		
	82 5.12.10.3	Acceptance of conforming quotation	30 days Sat 24/04/21 Sun 23/05/21 65 days Mon 08/03/21 Tue 11/05/21	O days 81	249,395,524,647		
1	83 5.12.11	General - NV Cables, C11, EQTD41 (Rev. 5)		16 days O days	85		
	845.12.11.1	Submission for acceptance of purchasing package	14 days Mon 08/03/21 Sun 21/03/21		85		
	85 5.12.11.2	Invitation of quotations for purchasing package	21 days Mon 22/03/21 Sun 11/04/21	O days 84			
	86 5.12.11.3	Acceptance of conforming quotation	30 days Mon 12/04/21 Tue 11/05/21	12 days 85	249,647		
	875.12.12	General - LV Cables, C11, EQT042 (Rev. 5)	65 days Mon 08/03/21 Tue 11/05/21		-		
	88 5.12.12.1	Submission for acceptance of purchasing package	14 days Mon 08/03/21 Sun 21/03/21	0 days	89		
	89 5.12.12.2	Invitation of quotations for purchasing package	21 days Mon 22/03/21 Sun 11/04/21	D days 88	90		
1	905.12.12.3	Acceptance of conforming quotation	30 days Mon 12/04/21 Tue 11/05/21	12 days 89	249,395,524,647		
1	915.13	Part B: Subletting of major sub-contract works	761 days Wed 01/01/20 Sun 30/01/22	0 days 2,30			4g 12/06
	92 5.13.1	Planned Completion Date for major sub-contract works	0 days Thu 12/08/21 Thu 12/08/21	0 days 255+620 days,3	DSS		14 1/20
	93 5.13.2	General - Independent BEAM Plus Consultant (045C007)	150 days Wed 01/01/20 Fri 29/05/20	0 days			
1	94 5.13.2.1	Submission for acceptance of proposed Independent BEAM Plus Consultant	60 edays Wed 01/01/20 Sun 01/03/20	0 edays	95		
	95 5.13.2.2	Acceptance of proposed Independent BEAM Plus Consultant	14 edays Sun 01/03/20 Sun 15/03/20	0 edays 94	96		
	965.13.2.3	Engagement with an Independent BEAM Plus Consultant	7 days Sun 15/03/20 Sat 21/03/20	0 days 95			
1	97 5.13.2.4	Actual Date for engagement with an independent BEAM Plus Consultant (Completed)	0 days Fri 29/05/20 Fri 29/05/20	0 days			• 23/05
	985.13.3	General - Conduction of Pump sump physical model test	270 days Fri 15/05/20 Mon 08/02/2:	0 days			
	995.13.3.1	Submission for acceptance of proposed hydraulic laboratory to conduct the test	7 edays Fri 15/05/20 Fri 22/05/20	0 edays	100		
	005.13.3.2	Invitation to quotations for provision of service	7 edays Fri 22/05/20 Fri 29/05/20	0 edays 99	101		
1	015.13.3.3	Acceptance of proposed hydraulic laboratory	6 days Fri 29/05/20 Wed 03/06/20	0 days 100	102		
1	025.13.3.4	Commencement of detailed proposal and conduction of test (Extended)	245 days Thu 04/06/20 Wed 03/02/21		103		
	035.13.3.5	Acceptance of hydraulic Report (Extended)	5 days Thu 04/02/21 Mon 08/02/21				
	045.13.4	General - Independent Checking Engineer (045C004)	127 days Wed 11/03/20 Wed 15/07/20	0 days			
	055.13.4.1	Submission for acceptance of proposed independent Checking Engineer	90 edays Wed 11/03/20 Tue 09/06/20	0 edays	106		
	065.13.4.2	Acceptance of proposed Independent Checking Engineer	1 eday Wed 24/06/20 Thu 25/06/20	0 edays 105	107		
	075.13.4.3	Engagement with an Independent Checking Engineer	21 days Thu 25/06/20 Wed 15/07/20	0 days 106	108		
	08 5.13.4.4	Actual Date for engagement with an ICE (Completed)	0 days Wed 15/07/20 Wed 15/07/20	0 days 107			a 15/07
	09 5.13.5	General - Lifting Appliances (045C008)	81 days Fri 01/05/20 Tue 21/07/20	0 days			
	105.13.5.1	Submission for acceptance of subcontract works package	30 edays Fri 01/05/20 Sun 31/05/20	0 edays	111		
	11 5.13.5.2	Invitation of tender for subcontract works	21 edays Sun 31/05/20 Sun 21/06/20	0 edays 110	112		
1	125.13.5.3	Acceptance of conforming tender	30 edays Sun 21/06/20 Tue 21/07/20	0 edays 111	113		
	135.13.5.4	Sub-contract work commencement date (Completed)	0 days Tue 21/07/20 Tue 21/07/20	0 days 112	253,398,527,652,10		d zupz
•	114 5.13.6	General - Mechanical Installations	244 days Tue 01/06/21 Sun 30/01/22	0 days			
5	15 5.13.6.1	Submission for acceptance of subcontract works package	120 days Tue 01/06/21 Tue 28/09/21	0 days	116		
	165.13.6.2	Invitation of tender for subcontract works	75 days Wed 29/09/21 Sun 12/12/21	0 days 115	117		
16							

	Drainage Services De	partment		Shek Wu Hu	I Effluent Polishing Plan	sed Work Programme it - Main Works Stage	e no rozzonove e 1 BbM Works for Sowage Treatment Facilities	
	D WBS	Task Name	between Task	loat Time Predecessors	Successors	Resource Names	2002 2011 2012 2010 2011 2012 2010 2011 2012 2012 2011 2012 2011 2011 2012 2011 2012 2011 2012 2011 2012 2011 2011 2012 2011 2	Hulf 2, 2023
17	117 5.13.6.3	Acceptance of conforming tender	Start and Finish 30 days Mon 13/12/21 Tue 11/01/22	19 days 116	11877		1000 1001 2000 1001 2000 1001 2001 1001 2002 1001 2002 1000 1000 1001 2000 1000 1000 1000 1000 1000 1000 1	
	1183.13.6.4	Sub-contract work commencement date	1 day Sun 30/01/22 Sun 30/01/22	0 days 117FF	-		e 30/01	
	1195.13.7	General - Electrical Installations	244 days Tue 01/05/21 Sun 30/01/22	0 days				
	1205.13.7.1	Submission for acceptance of subcontract works package	120 edays Tue 01/06/21 Wed 29/09/21	0 edays	121			
		Submission for acceptance of subcontract works	75 edays Wed 29/09/21 Mon 13/12/21	0 edays 120	122			
	121 5.13.7.2		30 edays Mon 13/12/21 Wed 12/01/27		123FF			
2	122 5.13.7.3	Acceptance of conforming tender		- A Contraction of the second s	LAST		- 19/01	
1	123 5.13.7.4	Sub-contract work commencement date	1 day Sun 30/01/22 Sun 30/01/22	0 days 122FF	_			
14	124 5.13.8	General - Facility Computerized Systems (SCADA, CMM5, PM5, IDM5)	130 days Tue 01/09/20 Sat 09/01/21	30 days				
s	125 5.13.8.1	Submission for acceptance of subcontract works package	60 edays Twe 01/09/20 Sat 31/10/20	0 edays	126			
\$	126 5.13.8.2	Invitation of tender for subcontract works	30 edays 5at 31/10/20 Mon 30/11/20	0 edays 125	127			
1	127 5.13.8.3	Acceptance of conforming tender	30 edays Mon 30/11/20 Wed 30/12/20	10 edays 126	128			
1	128 5.13.8.4	Sub-contract work commencement date	0 days Sat 09/01/21 Sat 09/01/21	0 days 127	185		0%0	
1	129 5.13.9	General - Building Services Installations	130 days Mon 02/13/20 Fri 12/03/21	12 days				
0	1305.13.9.1	Submission for acceptance of subcontract works package	60 edays Mon 02/11/20 Fri 01/01/21	0 edays	131			
1	131 5.13.9.2	Invitation of tender for subcontract works	30 edays Fri 01/01/21 Sun 31/01/21	0 edays 130	132			
2	132 5.13.9.3	Acceptance of conforming tender	30 edays Sun 31/01/21 Tue 02/03/21	10 edays 131	133FF			
	133 5.13.9.4	Sub-contract work commencement date	0 days Fri 12/03/21 Fri 12/03/21	0 days 132FF	250,396,525,649,7	1	a 12/03	
	1345.13.10	General - Mechanical Ventilation and Air Conditioning Installation	130 days Mon 02/11/20 Fri 12/03/21	0 days	-			
	1355.13.10.1	Submission for acceptance of subcontract works package	60 days Mon 02/11/20 Thu 31/12/20	0 days	136			
	1365.13.10.2	Invitation of tender for subcontract works	30 edays Thu 31/12/20 Sat 30/01/21	0 edays 135	137			
	136 5.13.10.7		30 days Sun 31/01/21 Mon 01/03/21	10 days 136	138FF			
		Acceptance of conforming tender	0 days fri 12/03/21 fri 12/03/21	0 days 137FF			6 12/03	
	138 5.13.10.4	Sub-contract work commencement date			-			
	139 5.13.11	General - Emergency Power Generator Set (045C006)	146 days Wed 01/07/20 Mon 23/11/20	0 days				
	1405.13.11.1	Submission for acceptance of subcontract works package	60 edays Wed 03/07/20 Sun 30/08/20	0 edays	141			
	1415.13.11.2	Invitation of tender for subcontract works	30 edays Sun 30/08/20 Tue 29/09/20	0 edays 140	142			
	1425.13.11.3	Acceptance of conforming tender	30 edays Tue 29/09/20 Thu 29/10/20	0 edays 141	143FF			
	1435.13.11.4	Sub-contract work commencement date (Completed)	24 days Sat 31/10/20 Men 23/11/20	0 days 142FF				
	144 5.13.12	General - Plumbing Installation (Rev. 5)	231 days Wed 01/07/20 Tue 16/02/21	36 days				
	145 5.13.12.1	Submission for acceptance of subcontract works package	30 edays Wed 01/07/20 Fri 31/07/20	0 edays	146			
	1465.13.12.2	Invitation of tender for subcontract works	75 edays Fri 31/07/20 Wed 14/10/20	0 edays 145	147			
	147 5.13.12.3	Retender of subcontract works (Rev. 5)	14 days Man 04/01/21 Sun 17/01/21	0 days 146	148			
	1485.13.12.4	Acceptance of conforming tender	30 edays Sun 17/01/21 Tue 16/02/21	0 edays 147	149FF			
1	1495.13.12.5	Sub-contract work commencement date (Extended)	0 days Tue 16/02/21 Tue 16/02/21	0 days 148FF	1225		<16/02	
	1505.13.13	General - Fire Services Installation (Rev. 5)	120 days Mon 04/01/21 Mon 03/05/2	0 days				
	151 5.13.13.1	Submission for acceptance of subcontract works package	60 days Mon 04/01/21 Thu 04/03/21	0 days	152			
2	1525.13.13.2	Invitation of tender for subcontract works	30 days Fri 05/03/21 Sat 03/04/21	0 days 151	153			
	1525.13.13.2	Acceptance of conforming tender	30 days Sun 04/04/21 Mon 03/05/21	0 days 152	154FF			
ŀ	and a second second		0 days Mon 03/05/21 Mon 03/05/21	0 days 153FF	1176		a all a stres	
Ŀ	154 5.13.13.4	Sub-contract work commencement date	170 days Mon 11/03/21 Tue 29/06/21					
	155 5.13.14	General - Ughtning Protection System and Main Earthing System (Rev. 8)		0 days				
	156 5.13.14.1	Submission for acceptance of subcontract works package (Rev. 8)	109.38 edays Mon 11/01/21 Fri 30/04/21	0 edays	157			
l	157 5.13.14.2	Invitation of tender for subcontract works (Rev. 8)	30 edays Fri 30/04/21 Sun 30/05/21	0 edays 156	158			
l	158 5.13.14.3	Acceptance of conforming tender (Rev. 8)	30 edays Sun 30/05/21 Tue 29/06/21	0 edays 157	159FF			
l	1595.13.14.4	Sub-contract work commencement date (Rev. 8)	0 days Tue 29/06/21 Tue 29/06/21	O days 158FF			er/25/06	
1	160 5.13.15	General - CCTV Installation	183 days Thu 01/07/21 Fri 31/12/21	0 days				
	161 5.13.15.1	Submission for acceptance of subcontract works package	60 edays Thu 01/07/21 Mon 30/08/21	0 edays	162			
	162 5.13.15.2	Invitation of tender for subcontract works	30 edays Mon 30/08/21 Wed 29/09/23	0 edays 161	163			
ł	163 5.13.15.3	Acceptance of conforming tender	30 edays Wed 29/09/21 Fri 29/10/21	63 edays 162	164FF			
	164 5.13.15.4	Sub-contract work commencement date	0 days Fri 31/12/21 Fri 31/12/21	0 days 163FF			e <sup>31/12</sup>	
	165 5.13.16	General - Civil Construction Work for underground pipework	40 days Wed 03/07/20 Mon 10/08/2/	0 days				
	1665.13.16.1	Submission for acceptance of subcontract works package	14 days Wed 01/07/20 Tue 14/07/20	0 days	167			
	167 5.13.16.2	Invitation of tender for subcontract works	14 days Wed 15/07/20 Tue 28/07/20	0 days 166	168			
	168 5.13.16.3	Acceptance of conforming tender	7 days Wed 29/07/20 Tue 04/08/20	0 days 167	16914			
	169 5.13.16.4	Sub-contract work commencement date (Completed)	0 days Mon 10/08/20 Mon 10/08/20	0 days 168FF	10000		a) 10/01	
			40 days Wed 03/07/20 Mon 10/08/20	0 days				
	1705.13.17	General - Civil Construction Work for Temp. Filtrate Eq. System						
	171 5.13.17.1	Submission for acceptance of subcontract works package	14 days Wed 01/07/20 Tue 14/07/20	0 days	172		3	
	172 5.13.17.2	Invitation of tender for subcontract works	14 days Wed 15/07/20 Tue 28/07/20	0 days 171	173			
ĩ	173 5.13.17.3	Acceptance of conforming tender	7 days Wed 29/07/20 Tue 04/08/20	0 days 172	174FF			
	174 5.13.17.4	Sub-contract work commencement date (Completed)	0 days Mon 10/08/20 Mon 10/08/20	0 days 173FF				

	Irainage Services Dep	adineel			Effluent Polishing Plan	osed Work Programme fo at - Main Works Stage 1	EfaM Works for Sewage Treatment	Facilities			_		_
R	was 1	fask Name	Duration Start Finish between Task	Float Time Prodecessors	Successors	Resource Names	2000 Hull 1, 2020 M J M M	Hulf 2, 2030	2	221 all 1, 2021		2002 2002 2003 2004 2002 2003 2004 2002 2003 2004 2002 2004 2004	1024
ł	175 5.13.18	Mis - Modification of existing power house	Start and Finish 109 days Mon 24/02/20 Fri 12/06/20	0 days			M M M			1	TTM.	<u>M   1   S   H   1   M   M   1   S   H   1   M   M   1   1   S   H</u>	1 1
Ð	1765.13.18.1	Submission for acceptance of subcontract works package	90 days Mon 24/02/20 Sat 23/05/20	0 days	177								
	177 5.13.18.2	Invitation of tender for subcontract works	14 days Sun 24/05/20 Sat 06/06/20	1 3374 June 1	178		4						
	178 5.13.18.3	Acceptance of conforming tender	1 day Sun 07/06/20 Sun 07/06/20	5 CAN 1 C C C C C C C C C C C C C C C C C C	179FF		5						
	1795.13.18.4	Sub-contract work commencement date (Completed)	0 days Fri 12/06/20 Fri 12/05/20	0 days 178FF	1147			12/06					
	160 5.14	Part C: General Design Submissions	589 days Mon 02/12/19 Mon 12/07/2	1.000					4				
	180 5.14	Part C: General Design Submissions Planned Sectional Completion Date - Section 1	0 days Mon 12/07/21 Mon 12/07/2	and the second se								12/07	
			250 edays Fri 05/06/20 Wed 10/02/2	A start of the start of the start of the	181FF				_		100		
	182 5.14.2	CD5001 - General Design Parameters	250 edays Mon 20/07/20 Sat 27/03/21		181FF			-					
Ŀ	183 5.14.3	CD5020 - Electrical Installation Typical Details	90 edays Mon 01/03/21 Sun 30/05/21		181FF								
	184 5.14.4	CDS009 - Detailed Design for Plant Service Water System	90 edays Mon 01/03/21 Sun 30/05/21 150 edays Sat 09/01/21 Tue 08/05/21		181FF,249FF,395F								
Ł	185 5.14.5	CD5012 - Detailed Design for SCADA System	90 edays Thu 03/04/21 Wed 30/06/2	A CONTRACTOR OF A CONTRACT	and the second second	1			1 2				
L	186 5.14.6	CD513-1 - Detailed Design for CCTV System	90 edays Mon 01/03/21 Sun 30/05/21	a more source of a	181FF								
E	187 5.14.7	CDS13-2 - Detailed Design for Gas Detection and Monitoring System		a second second	181FF								
I	188 5.14.8	CDS14-1 - Detailed Design for Power monitoring system (PMS)	90 edays Mon 01/03/21 Sun 30/05/21		181FF								
L	189 5.14.9	CDS14-2 - Detailed Design for Computerized maintenance and management (CMMS)	90 edays Mon 01/03/21 Sun 30/05/21		281FF								
ľ	190 5.14.10	CD514-3 - Detailed Design for Information and documents management system (IDMS)	90 edays Mon 01/03/21 Sun 30/05/21		181FF								
ŀ	191 5.14.11	CDS031 - Detailed Design for MVAC System	90 edays Mon 01/03/21 Sun 30/05/21		181FF					191-1			
t	192.5.14.12	CDS042 - Detailed Design for Lightning Protection System	120 edays Mon 11/01/21 Tue 11/05/21		181FF								
ľ	193 5.14.13	Design submissions for E&M installation works of existing sludge thickening building	300 edays Mon 02/12/19 Sun 27/09/20		181FF								
t	194 5.14.14	Design Submission for Earthing and Lightning (Rev. 8)	147.38 edays Mon 04/01/21 Mon 31/05/2	1 42 edays	181FF				-				
ł	195 5.15	Works Area WAI-C	374 days Wed 01/01/20 Frl 08/01/21	0 days					-				
ł	196 5.15.1	Actual Access / Handover Date	1 day fri 21/02/20 Fri 21/02/20	0 days	200		+ 21/02						
ł	1975.15.2	Submission for acceptance of subcontract works package (Site Office) (045C003)	60 days Wed 01/01/20 Sat 29/02/20	0 days 255+30 edays,30	155 198								
ŀ	1985.15.3	Invitation of guotations for subcontract works (Site Office)	21 days Sun 03/03/20 Sat 21/03/20	0 days 197	199		±.						
ł	1995.15.4	Acceptance of conforming quotation (Site Office)	10 days Sun 22/03/20 Tue 31/03/20	0 days 198	200								
Ł	200 5.15.5	Design and Fabrication of the Contractor's Site Accommodations	120 days Wed 01/04/20 Wed 29/07/2		206			_					
	201 5.15.6	Submission for acceptance of subcontract works package (Site Office Foundation)	20 days Fri 01/05/20 Wed 20/05/2		202		_						
Ł	202 5.15.7	Invitation of guotations for subcontract works (Site Office Foundation)	18 days Thu 21/05/20 Sun 07/06/20	1 1005	203		1						
ł	203 5.15.8	Acceptance of conforming quotation (Site foundation)	7 days Mon 08/06/20 Sun 14/06/20	2000	204								
ч	840 () (CT)		30 days Mon 15/06/20 Tue 14/07/20	0.000	205		1	15					
	204 5.15.9	Design and Construction of the Contractor's Site Office foundation	47 days Wed 15/07/20 Sun 30/08/20		206								
	205 5.15.10	Construction of Contractor's Site Office foundation (Completed)	120 days Mon 31/08/20 Mon 28/12/20		200								
L	206 5.15.11	Site Installation of the Contractor's Site Accommodations (MIC) (Rev. 5)	4 days Tue 05/01/21 Fri 08/01/21		207								
	207 5.15.12	Anticipated date of working at site (Rev. 5) (Completed)		0 days 206									
	208 5.16	Works Area WA2-C	1 day Fri 21/02/20 Fri 21/02/20	0 days			+ 21/02						
1	209 5.16.1	Actual Access / Handover Date	1 dəy Fri 21/02/20 Fri 21/02/20	0 days			+ 21/92						
	2105.17	Inlet Works No. 1, Portion 8-2 (PS 68.2.1)	1400 days Mon 01/06/20 Mon 01/04/2						3300				
	211 5.17.1	Planned Key Date Completion Date - KDIA, IW	0 days fri 30/30/20 Fri 30/10/20	0.days 245FF.246FF				KDIA, I	a 30/10				
- 8	2125.17.2	Planned Key Date Completion Date - KD18, IW	0 days Tue 01/06/21 Tue 03/06/21							1 TL	. IW 🖬 O	m otrib , (₩ m_12/97	
	2135.17.3	Planned Sectional Completion Date - Section 1, IW	0 days Mon 12/07/21 Mon 12/07/2	in the second of	DF1					Sec	tion I, IV	, w e_12/07 Section 2,	
1	214 5.17.4	Planned Sectional Completion Date - Section 2, IW	0 days Mon 01/04/24 Mon 01/04/24									arcounte,	
1	215 5.17.5	Selection of Suppliers for major plant and materials for inlet Works No. 1	335 days Mon 03/06/20 Sat 03/05/21	25 days			-				74		
1	2165.17.5.1	Inlet Works - Inlet Pumps (Marking Scheme Approach), C11, ref. EQT006	120 days Mon 01/05/20 Mon 28/09/2	0 days				_					
1	2175.17.5.1.1	Submission for acceptance of purchasing package including proposed marking scheme	60 days Mon 03/06/20 Thu 30/07/20	0 days	218		+						
ł	218 5.17.5.1.2	Invitation of quotations for purchasing package	30 days Fri 33/07/20 Sat 29/08/20	0 days 217	219			4					
ł	219 5.17.5.1.3	Acceptance of conforming quotation (Completed)	30 days Sun 30/08/20 Mon 28/09/2	0 days 218	248			-					
1	220 5.17.5.2	Inlet Works - mechanical raked bar screens, C11, ref. EQT052	58 days fri 26/06/20 Sat 22/08/20	0 days			-						
1	221 5.17.5.2.1	Submission for acceptance of purchasing package	14 days Fri 26/06/20 Thu 09/07/20	0 days	222			- II					
ł	222 5.17.5.2.2	Invitation of quotations for purchasing package	14 days Fri 10/07/20 Thu 23/07/20	0 days 221	223			÷					
1	223 5.17.5.2.3	Acceptance of conforming quotation (Completed)	30 days Fri 24/07/20 Sat 22/08/20	0 days 222	248			-					
1	224 5.17.5.3	Inlet Works - screening conveyors and Diverters, C11, ref. EQT053	74 days Wed 01/07/20 Sat 12/09/20	0 days	1000								
	225 5.17.5.3.1	Submission for acceptance of purchasing package	30 days Wed 01/07/20 Thu 30/07/20		226			_					
ł	226 5.17.5.3.2	Invitation of quotations for purchasing package	14 days Fri 31/07/20 Thu 13/08/20		227			=					
ł	227 5.17.5.3.3	Acceptance of conforming quotation (Completed)	30 days fri 14/08/20 Sat 12/09/20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	248			+					
л	228 5.17.5.4	Inlet Works - screening screw type compactors, C11, ref. EQT003	105 days Wed 01/07/20 Tue 13/10/20		1200								
	229 5.17.5.4.1	Submission for acceptance of purchasing package	45 days Wed 01/07/20 Fri 14/08/20	0 days	230								
	2305.17.5.4.2	Submission for acceptance of purchasing package	30 days Sat 15/08/20 Sun 13/09/20		231			+					
- 1	2305.17.5.4.2		30 days Mon 14/09/20 Tue 13/10/20		248			T	-				
	2313.17.5.4.3	Acceptance of conforming quotation (Completed)	90 days Wed 01/07/20 Mon 28/09/2										
	2323.17.5.5	Inlet Works - grit removal system, C11, ref. EQT004	so male con ottoriten mon 20/09/2	a serie							1.1.1		_

Drainage Sarvices (	ingertineet.		and the second se	Wu Hui Effluent Polishing Pla	nt - Main Works Stag	e for DL/2014/04 Prestment Facilities I and the second sec
ito wies	Task Name	Duration Start Finish between Tack	Float Time Predecess	ions Successors	Resource Names	2000 H Mar 2000 H Mar 2000 H M M H 2 2000 H M H
233 5.17.5.5.1	Submission for acceptance of purchasing package	Start and Finish 30 days Wed 01/07/20 Thu 30/07	/20 0 days	234	-	
234 5.17.5.5.2	Invitation of quotations for purchasing package	30 days Fri 31/07/20 Sat 29/08	20 0 days 233	235		
235 5.17.5.5.3	Acceptance of conforming quotation (Completed)	30 days Sun 30/08/20 Mon 28/0	a/20 0 days 234	248		
236 5.17.5.6	Inlet Works - grit classifiers, C11, ref. EQT005	90 days Wed 01/07/20 Mon 28/0	9/21 0 days		-	
237 5.17.5.6.1	Submission for acceptance of purchasing package	30 days Wed 01/07/20 Thu 30/07	/20 0 days	238		
2385.17.5.6.2	Invitation of quotations for purchasing package	30 days Fri 31/07/20 Sat 29/08	20 0 days 237	239		
2395.17.5.6.3	Acceptance of conforming quotation (Completed)	30 days Sun 30/08/20 Mon 28/0	0 days 238	248		
0 240 5.17.5.7	inlet Works - Fixed Bar Screen, C11, ref. EQT046 (Rev. 8)	310 days Fri 26/06/20 Sat 01/05	21 25 days			
1 2415.17.5.7.1	Submission for acceptance of purchasing package	14 days Fri 26/06/20 Thu 09/07	/20 0 days	242		
2 242 5.17.5.7.2	Invitation of quotations for purchasing package	266 days Fri 10/07/20 Thu 01/04	/21 0 days 241	243		
3 2435.17.5.7.3	Acceptance of conforming quotation (Nev. 8)	30 days Fri 02/04/21 Sat 03/05	21 0 days 242	248		
4 2445.17.6	Design Submissions for IW	374 days Wed 15/07/20 Fri 23/07/	21 O days		-	
5 2455.17.6.1	Electrical schematic drawings for inlet Works No. 1	90 days Wed 15/07/20 Mon 12/1	0/20 0 days	21164		
6 2465.17.6.2	CDS080-1 - Civil and dimensional requirements drawings for inlet Works No. 1 up to +8.0 t			211FF		
7 2475.17.6.3	CDS081-1 - Civil and dimensional requirements drawings for Inlet Works No. 1	210 days Fri 28/08/20 Thu 25/03		212FF		
4 2485.17.6.4	CD5002 - Detailed Design for Inlet Works No. 1	144 edays Mon 01/03/21 Fri 23/07/		27,219,23 256,278,263,266,2	26	
9 2495.17.6.5	CD5021 - Detailed Design for Electrical Installations for Inlet Works No. 1	45 edays Sun 23/05/21 Wed 07/0		,86,90,18:73,295,287,298,2		
a 2505.17.6.6	CD5021 - Detailed Design for Electrical Installations B5 at Inlet Works No. 1 CD5034-1 - Detailed Design for Electrical Installations B5 at Inlet Works No. 1	120 edays Fri 12/03/21 Sat 10/07		348,213FF	-	
1 2515.17.6.7	CD5034-1 - Detailed Design for Decental Installations as at line works well 1 CD5025-1 - Detailed Design for LV Switchboards for Inlet Works No. 1	60 edays Mon 03/05/21 Fri 02/07/		287,213FF		
2 252 5.17.6.8	CDS025-1 - Detailed Design for LV Switchboards for Inlet Works No. 1 CDS026-1 - Detailed Design for HV Switchboards for Inlet Works No. 1	60 edays Sun 18/04/21 Thu 17/06		291,213##		
52 252 5.17.6.8 53 253 5.17.6.9	CDS026-1 - Detailed Design for HV Switcheoards for inter Works No. 1 CDS050-1 - Detailed Design for Lifting Appliances - Inlet Works No. 1	210 edays Tue 01/09/20 Tue 30/03	C2	284,213FF		
4 254 5.17.7	Manufacturing and Delivery of Plant & Materials	605 days Tue 30/03/21 Thu 24/1	A REAL PROPERTY AND A REAL	Contraction of the second		
	Manufacturing and Delivery of Plant & Materials Inlet Pumps, EQ1006	489 days Sat 24/07/21 Thu 24/1	COLUMN STREET,			
5 255 5.17.7.1 6 256 5.17.7.1.1	Inlet Pumps, EQT006 Manufacturing of Inlet Pumps, EQT006	240 days Sat 24/07/21 Sun 20/0	State - Alexandra	257		
6 256 5.17.7.1.1 7 257 5.17.7.1.2	Factory Acceptance Test of Plant (to be witnessed by PM)	60 days Mon 21/03/22 Thu 19/03		258	-	
ALL ALL DESCRIPTION	Factory Acceptance Lest of Plant (to be writessed by PM) Shipping and Delivery of Plant to site	60 days Mon 26/09/22 Thu 24/11	And the state of t			
and the second se		489 days 5at 24/07/21 Thu 24/11	1000 U.C. 1000 U.C. 2000 C.	319		
259 5.17.7.2	Mechanical Raked Bar Screen, EQT052	240 days Sat 24/07/21 Sun 20/03	No. Contra	261	_	
60 260 5.17.7.2.1	Manufacturing and Factory Acceptance Test of Plant	60 days Mon 26/09/22 Thu 24/11	A CARLES AND A CARLES	55-60 eday 321,324		
61 261 5.17.7.2.2	Shipping and Delivery of Plant to site	489 days Sat 24/07/21 Thu 24/1		and the particular	-	
62 262 5.17.7.3	Screening Conveyors and Diverters, EQ1053	240 days Sat 24/07/21 Sun 20/03		264		
43 263 5.17.7.3.1	Manufacturing and Factory Acceptance Test of Plant	60 days Mon 26/09/22 Thu 24/11		and the second se		
64 264 5.17.7.3.2	Shipping and Delivery of Plant to site	489 days Sat 24/07/21 Thu 24/11		319		
65 265 5.17.7.4	Screening Screw Type Compactors, EQT003	240 days Sat 24/07/21 Sun 20/03	2010 State State State	267		
56 266 5.17.7.A.1	Manufacturing and Factory Acceptance Test of Plant	60 days Mon 26/09/22 Thu 24/11				
67 267 5.17.7 A.2	Shipping and Delivery of Plant to site	489 days Sat 24/07/21 Thu 24/1		22.02.6002.251		
68 268 5.17.7.5	Grit Removal System, EQT004	240 days Sat 24/07/21 Sun 20/01		270		
269 5.17.7.5.1	Manufacturing and Factory Acceptance Test of Plant	60 days Mon 26/09/22 Thu 24/12			-	
70 270 5.17.7.5.2	Shipping and Delivery of Plant to site			22-40 684 313		
71 2715.17.7.6	Grit Classifiers, EQT005	489 days Sat 24/07/21 Thu 24/1		273	-	
72 272 5.17.7.6.1	Manufacturing and Factory Acceptance Test of Plant	240 days 5at 24/07/21 Sun 20/03				
73 273 5.17.7.5.2	Shipping and Delivery of Plant to site	60 days Mon 26/09/22 Thu 24/1		22-20.603/350	-	
24 274 5.17.7.7	DI Pipework, EQT036	489 days Sat 24/07/21 Thu 24/1		276	1	
75 275 5.17.7.7.1	Manufacturing and Factory Acceptance Test of Plant	240 days Sat 24/07/21 Sun 20/03		276		
26 276 5.17.7.7.2	Shipping and Delivery of Plant to site	60 days Mon 26/09/22 Thu 24/1		22-94 649/358	-	
17 277 5.17.7.8	Stoplogs and Penstocks, EQT013	489 days Sat 24/07/21 Thu 24/1		279	-	
78 2785.17.7.8.1	Manufacturing and Factory Acceptance Test of Plant	300 days Sat 24/07/21 Thu 19/0	No. of the second se	17.5		
279 279 5.17.7.8.2	Shipping and Delivery of Plant to site	60 days Mon 26/09/22 The 24/1	THE REPORT OF THE	55-60 edit 319		
80 280 5.17.7.9	Valves, EQT036	489 days Sat 24/07/21 Thu 24/1	6-01 (CONSIGN)	-		
#1 2815.17.7.9.1	Manufacturing and Factory Acceptance Test of Plant	240 days Sat 24/07/21 Sun 20/01	200 2000 1000	282		
82 282 5.17.7.9.2	Shipping and Delivery of Plant to site	60 days Mon 26/09/22 Thu 24/1		55-60 eda; 328		
83 283 5.17.7.10	Lifting Appliances	590 days Tue 30/03/21 Wed 09/1				
H 284 5.17.7.10.1		240 days Tue 30/03/21 Wed 24/3		285		
85 285 5.17.7.10.2	Shipping and Delivery of Plant to site	45 days Mon 26/09/22 Wed 09/1	1/2: 16 days 284,305	55-60 eday309		
85 286 5.17.7.11	LV Switchboards	490 days Thu 08/07/21 Wed 09/1				
87 287 5.17.7.11.1		240 days Thu 08/07/21 Fri 04/03/				
88 288 5.17.7.11.2		60 days Sat 05/03/22 Tue 03/0		289		
289 5.17.7.11.3	IW - Shipping and Delivery of Plant to site	45 days Mon 26/09/22 Wed 09/1	Constant of the second second second	0 edays,28334		
190 290 5.17.7.12	HV Switchboards, EQT031	510 days Fri 18/06/21 Wed 09/1	1/2: 0 days			
	Tark Project Summary     Lat				- Miestone (Actual)	
roject: DE/2018/04	Milestons, Tentative D Summary Manual Summary 1 00	feat Progress	Sla	ick (flow)	- Slack	
nte: Thu 25/03/21						

Fach Nees           2.1         IW - Manufacturing of Plant           2.2         IW - Factory Acceptance Test of Plant (to be witnessed by PM)           2.3         IW - Shipping and Delivery of Plant to site           3         IW - Shipping and Delivery of Plant to site           9         11kW/3800'Stepdown Power Transformers, EQ1032           1.1         IW - Shipping and Delivery of Plant to site           9         11kW/3800'Stepdown Power Transformers, EQ1032           1.1         IW - Shipping and Delivery of Plant to site           4         PLC System           6.1         Manufacturing of Plant, PLC for TW           1.5         Factory Acceptance Test of Plant, PLC for TW           2.5         Fixed Ber Streen, EQ1046           5.1         IW - Manufacturing and Factory Acceptance Test of Plant           5.2         W - Shipping and Delivery of Plant to site           5.1         IW - Manufacturing and Factory Acceptance Test of Plant           5.2         W - Shipping and Delivery of Plant to site           5.1         IW - Manufacturing and Factory Acceptance Test of Plant           5.2         W - Shipping and Delivery of Plant to site           5.1         Tentstive Cirk Handover Date, Mrc Jobes dram plts from MP32 to TW           Commercomering of IZM Installation at Inlet Works No. 1	90 days Sum 33/02/22 Fri 3 45 days theor 26/09/23 Week 400 days Thu 08/07/21 Week 260 days Thu 08/07/21 Fri 260 days Thu 08/07/21 Fri 260 days thu 08/07/21 Thu 260 days thu 08/07/21 Thu 260 days Web 08/07/21 Thu 260 days Web 08/07/21 Thu 260 days Meb 08/07/21 Thu 260 days Meb 08/07/21 Thu 260 days Meb 18/07/21 Thu	12/02/23 13/05/22 40 09/11/25 40 09/11/25 40 09/11/25 40 09/11/25 40 09/11/25 40 09/11/25 40 09/11/25 40 09/11/25 42 4/11/25 42	Producession           0 days         252           135 days         283           0 days         283           153 days         283           0 days         284           10 days         284           10 days         284           10 days         284           10 days         284           11 days         285           0 days         133,144           0 days         133,134           0 days         133,144           0 days         134,134           0 day	296 293 299 300 29337 303	
11       Practory Acceptance Test of Plant (to be witnessed by PM)         2.3       IW - Shipping and Delivery of Plant to site         3       111K/JS00' Stepdown Power Transformers, EQ1032         2.1       IW - Manufacturing and Factory Acceptance Test of Plant         2.1       IW - Manufacturing and Factory Acceptance Test of Plant         2.1       IW - Manufacturing and Delivery of Plant to site         4       PLC System         4.1       Monufacturing of Plant, PLC for IW         5.2       Factory Acceptance Test of Plant, PLC for IW (To be witnessed by PM)         5.3       Shipping and Delivery of Plant to site         5.4       Factory Acceptance Test of Plant, PLC for IW (To be witnessed by PM)         5.3       Fired Bar Screen, EQ1046         5.4       IW - Manufacturing and Factory Acceptance Test of Plant         5.3       IW - Manufacturing and Factory Acceptance Test of Plant         5.4       IW - Manufacturing and Factory Acceptance Test of Plant         5.5       Iwa - Shipping and Delivery of Plant to site         5.6       Fleed Bar Screen, EQ1046         5.7       Testative Ciril Handower Date, Portion B-2, Inlet Works No. 1         5.8       IW - Manufacturing and Factory Acceptance Test of Plant         5.1       Testative Ciril Handower Date, Portion B-2, Inlet Works No. 1	Start and Frichh         200 Gays (Fi 134/06/21         Sat.           200 Gays (Fi 134/06/21         Sat.           300 Gays San 31/02/22         Vect           300 Gays San 31/02/22         Vect           400 Gays Thu 04/07/21         Vect           200 Gays Thu 11/07/21         Thu           200 Gays Thu 11/07/21         Thu           200 Gays Thu 11/07/21         Vect           200 Gays Thu 11/07/21         Vect           200 Gays Stat 24/07/21         Vect	13/05/22 43 09/11/25 44 09/11/25 44 09/11/25 44 09/13/25 44 09/13/25 44 09/13/25 44 09/13/25 44 09/13/25 44 09/13/25 44/13/22 44/13/22 44/13/22 44/13/22 40/13/27 40 07/02/29 40 09/03/21 40 09/03/2	135 days 291 0 days 292,30555.40 ed 153 days 26,60 205 days 263 0 days 263,3055.40 ed 153 days 0 days 283 85 days 284 85 days 3055.60 edays, 220 days 204 days 248 143 days 302,3055.45 ed 5 days 0 days 204 days 268 133 days 0 days 204 days 268 133 days 0 days 204 days 268 133 days 0 days 0 days 133 days 0 days 0 days 0 days 0 days 133,314 0 days 133,314	253 255 255 259 259 300 259 259 300 259 259 259 250 259 250 250 250 250 250 250 250 250	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
11       Practory Acceptance Test of Plant (to be witnessed by PM)         2.3       IW - Shipping and Delivery of Plant to site         3       111K/JS00' Stepdown Power Transformers, EQ1032         2.1       IW - Manufacturing and Factory Acceptance Test of Plant         2.1       IW - Manufacturing and Factory Acceptance Test of Plant         2.1       IW - Manufacturing and Delivery of Plant to site         4       PLC System         4.1       Monufacturing of Plant, PLC for IW         5.2       Factory Acceptance Test of Plant, PLC for IW (To be witnessed by PM)         5.3       Shipping and Delivery of Plant to site         5.4       Factory Acceptance Test of Plant, PLC for IW (To be witnessed by PM)         5.3       Fired Bar Screen, EQ1046         5.4       IW - Manufacturing and Factory Acceptance Test of Plant         5.3       IW - Manufacturing and Factory Acceptance Test of Plant         5.4       IW - Manufacturing and Factory Acceptance Test of Plant         5.5       Iwa - Shipping and Delivery of Plant to site         5.6       Fleed Bar Screen, EQ1046         5.7       Testative Ciril Handower Date, Portion B-2, Inlet Works No. 1         5.8       IW - Manufacturing and Factory Acceptance Test of Plant         5.1       Testative Ciril Handower Date, Portion B-2, Inlet Works No. 1	90 days Sum 33/02/22 Fri 3 45 days theor 26/09/23 Week 400 days Thu 08/07/21 Week 260 days Thu 08/07/21 Fri 260 days Thu 08/07/21 Fri 260 days thu 08/07/21 Thu 260 days thu 08/07/21 Thu 260 days Web 08/07/21 Thu 260 days Web 08/07/21 Thu 260 days Meb 08/07/21 Thu 260 days Meb 08/07/21 Thu 260 days Meb 18/07/21 Thu	13/05/22 43 09/11/25 44 09/11/25 44 09/11/25 44 09/13/25 44 09/13/25 44 09/13/25 44 09/13/25 44 09/13/25 44 09/13/25 44/13/22 44/13/22 44/13/22 44/13/22 40/13/27 40 07/02/29 40 09/03/21 40 09/03/2	135 days 291 0 days 292,30555.40 ed 153 days 26,60 205 days 263 0 days 263,3055.40 ed 153 days 0 days 283 85 days 284 85 days 3055.60 edays, 220 days 204 days 248 143 days 302,3055.45 ed 5 days 0 days 204 days 268 133 days 0 days 204 days 268 133 days 0 days 204 days 268 133 days 0 days 0 days 133 days 0 days 0 days 0 days 0 days 133,314 0 days 133,314	253 255 255 259 259 300 259 259 300 259 259 259 250 259 250 250 250 250 250 250 250 250	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
2.3     IW - Shipping and Delivery of Plant to site       2     11kW/3800/Stepdown Power Transformers, EQT032       3.1     IW - Manufacturing and Factory Acceptance Test of Plant       3.2     IW - Shipping and Delivery of Plant to site       3.1     IW - Shipping and Delivery of Plant to site       4     PLC System       4.1     Manufacturing of Plant, PLC for IW       5.2     Factory Acceptance Test of Plant, PLC for IW (To be witnessed by PM)       4.3     Shipping and Delivery of Plant to site       5     Fixed Ber Streen, (2004)       5.1     IW - Manufacturing and Factory Acceptance Test of Plant       5.2     IW - Manufacturing and Factory Acceptance Test of Plant       5.3     IW - Manufacturing and Delivery of Plant to site       5.4     We Manufacturing and Factory Acceptance Test of Plant       5.2     IW - Shipping and Delivery of Plant to site       5.3     IW - Shipping and Delivery of Plant to site       5.4     Tenstative Civil Handover Date, Portion B-2, Inlet Works No. 1 (Ner. S)       7     Tenstative Civil Handover Date, Portion B-2, Inlet Works No. 1       7     Tenstative Civil Handover Date, Portion B-2, Inlet Works No. 1       7     Tenstative Civil Handover Date, Portion B-2, Inlet Works No. 1       7     Tenstative Civil Handover Date, Portion B-2, Inlet Works No. 1       7     Tenstative Civil Handover Date, Supply, Ibe	45 days Mon 26/09/22 Week 490 days Thu 08/07/21 Week 200 days Thu 08/07/21 Fel 200 days Thu 08/07/21 Fel 200 days Thu 08/07/21 The 200 days Thu 08/07/21 The 200 days Thu 08/07/21 The 200 days Thu 08/07/21 The 200 days Mod 26/09/22 Thu 240 days Sat 24/07/21 Thu 240 days Sat 24/07/21 Thu 240 days Sat 24/07/21 Thu 240 days Sat 24/07/21 Thu 240 days Fat 25/11/22 Week 3 0 days The 11/00/21 Thu 440 days Fat 25/11/22 Week 3 0 days The 12/01/23 Thu 450 days The 12/01/23 Thu 450 days The 12/01/23 Thu 450 days The 12/01/23 Thu 450 days Sat 25/11/22 Week 3 0 days Sat 25/11/22 Meek 450 days The 10/01/23 Thu 450 days Sat 25/11/22 Meek 450 days Sat 25/11/2	ed 09/11/25 ed 09/10/27 ed 07/00/27 ed 07	0 days 252, 30355 40 ed 153 days 26,60 205 days 269 0 days 269 85 days 269 85 days 269 85 days 288 45 days 2055 40 edays, 206 days 268 143 days 3025 40 edays, 206 days 268 143 days 302, 3035 45 ed 0 days 113 days 113 days 0 days 305 0 days 313, 314 0 days 133, 314 0 days 0 days 0 days 124 days 312, 312 125 days 126 days 127 days 127 days 127 days 128 days 129 days 129 days 129 days 129 days 129 days 120 days 129 days 129 days 120 days	ay 236 239 300 300 300 300 300 300 300 300 300 3	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
3         31XX/J300/ Stepdown Power Transformers, EQT032           3.1         IVX - Masufacturing and Factory Acceptance Test of Plant           3.1         IVX - Shipping and Delivery of Plant to site           4         PLC System           1.1         Manufacturing of Plant, PLC for IV           4.2         Factory Acceptance Test of Plant, PLC for IV           5.3         Factory Acceptance Test of Plant, PLC for IV (To be witnessed by PM)           5.3         Shipping and Delivery of Plant to site           5.4         Flaxed Bar Screen, EQ1046           5.1         W - Masufacturing and Factory Acceptance Test of Plant           5.2         IVX - Shipping and Delivery of Plant to site           5.3         W - Shipping and Delivery of Plant to site           5.4         Tentative Cirk Handower Date, Portion 8-2, Inlet Works Ho. 1 (Rev. 5)           7         Tentative Cirk Handower Date, Portion 8-2, Inlet Works Ho. 2 for W           Commencement of E&M Installation at Inlet Works Ho. 2         IV           1         Provision of Temporary Water Supply, Electricity Supply, Lighting, Welfare facilities etc.,           1         Installation of Ulting Appliances at Inlet Works No. 1           2.1         J/F EOT Crane LA-0.10 SW. 53           2.3         1/F EOT Crane LA-0.10 SW. 54           2.4         UG EOT Crane LA-0	490 days Thu 08/07/21 Week 240 days Thu 08/07/21 Fel 345 days Mon 26/07/21 Fel 555 days Mon 26/07/21 Ter 505 days Mon 26/07/21 Ter 500 days Thu 08/07/21 Ter 500 days Thu 08/07/21 Ter 500 days Thu 08/07/21 Ter 500 days Thu 08/07/21 Sun 450 days Sat 24/07/21 Sun 450 days Sat 24/07/21 Sun 450 days Sat 24/07/22 Ter 400 days Sat 24/07/22 Ter 400 days Sat 24/07/22 Ter 400 days Sat 24/07/22 Ter 400 days Sat 24/17/22 Ver 410 days Sat 24/17/22 Ver 410 days Sat 24/17/22 Sun 420 days Sat 26/17/22 Sun 420 days Sat 26/17/22 Sun 420 days Sat 26/17/22 Sun 425 days Ter 10/07/23 Thu 455 days Ter 10/07/23 Thu 455 days Ter 10/07/23 Thu 455 days Sat 26/17/22 Mon 455 days Sat 26/1	ad 09/11/2:           04/03/22           04/03/22           dd 09/11/2:           ad 09/10/2:           ad 09/00/2:           ad 00/00/2:	153 days 56,60 205 days 249 60 days 253,5055 40 ed 153 days 249 85 days 288 45 days 288 45 days 288 45 days 288 304 days 288 343 days 102,20555 40 edays, 200 days 248 343 days 102,20555 45 ed 5 days 0 days 105 0 days 105 0 days 105 0 days 133,314 45 days 313,314 0 days 133,314 0 days 132	255 135 259 300 137 309 309, 307, 348(5+12) 309, 307, 348(5+12) 340(5+12) days, 32 317 315, 317 315, 317 310, 311, 312, 317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
1.1         IW - Manufacturing and Factory Acceptance Test of Plant           1.2         IW - Shipping and Delivery of Plant to site           2.4         IW - Shipping and Delivery of Plant to site           3.4         PLC System           4.4         Monufacturing of Plant, PLC for IW           5.2         Factory Acceptance Test of Plant, PLC for IW           5.3         Factory Acceptance Test of Plant, PLC for IW (To be witnessed by PM)           5.3         Shipping and Delivery of Plant to site           5.4         W - Shipping and Delivery of Plant to site           5.5         IW - Manufacturing and Factory Acceptance Test of Plant           5.2         IW - Shipping and Delivery of Plant to site           5.2         IW - Shipping and Delivery of Plant to site           5.2         IW - Shipping and Delivery of Plant to site           5.2         IW - Shipping and Delivery of Plant to site           5.2         IW - Shipping and Delivery of Plant to site           5.2         IW - Shipping and Delivery of Plant to site           5.4         Commencement Delivery of Plant to site           5.4         IW - Shipping and Delivery of Plant to site           5.2         IV Entor Conse LA-014 SWL SW           5.2         IV Entor Conse LA-014 SWL SW           5.2         IV Entor Conse	240 days Thu 08/07/21 Firl 45 days Mon 26/08/22 West 555 days Thu 08/07/21 Firl 20 days Thu 08/07/21 Firl 20 days Thu 08/07/21 Firl 40 days Wed 64/08/25 241 40 days Med 26/08/22 Thi 449 days Sit 24/07/21 Thu 240 days Thu 11/10/22 Thu 440 days Thu 11/10/22 Thu 440 days Thu 11/10/22 Thu 440 days Thu 11/10/22 Thu 440 days Sit 25/11/22 West 1 days 22/11/22 Firl 3 days Sit 25/11/22 San 45 days Ta 51/11/22 San 45 days Ta 51/11/22 San 45 days Ta 51/11/22 San 45 days Ta 51/11/22 Met 45 days Ta 10/01/13 Thu 45 days Ta 50/01/23 Thu 45 days Sit 25/11/22 Met 45 days Sit 25/11/22 Met	04/03/22 d 09/11/22 a 24/11/22 a 24/11/	205 days 249 60 days 245,30555 60 ed 153 days 0 days 248 85 days 298 85 days 298 85 days 298 96 days 298 204 days 298 143 days 302,3055 40 edays, 279 days 204 days 208 5 days 0 days 302,305 45 ed 5 days 0 days 105 0 days 105 0 days 105,285 45 days 113,314 0 days 113,314 0 days 0 days 1 days 1 days	299 300 303 309,307,348/5+12 309,307,348/5+12 309,5-20 days,32 31855-30 days,32 317 315,337 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
Alignment	45 days Mon 26/09/22 Week 565 days Thu 08/07/21 The 800 days Thu 08/07/21 The 60 days Weu 06/05/22 Sat 60 days Weu 06/05/22 Sat 60 days Weu 06/05/22 Thu 459 days Nen 26/09/21 Thu 240 days Nen 26/07/21 Thu 240 days Nen 26/07/21 Thu 440 days Nen 26/13/22 Thu 440 days Nen 26/13/22 Week 1 days Nen 26/13/22 Week 3 days Nen 26/13/22 Week 3 days Sat 26/13/22 San 45 days The 10/07/31 Thu 45 days The 10/07/31 Thu 45 days The 10/07/31 Thu 45 days The 10/07/31 Thu 45 days Sat 26/13/22 Meek 45 days Sat 26/13/22 Meek	d 09/11/22 = 24/11/22 = 24/11/22 = 03/05/22 = 03/05/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 14/01/27 = 15/12/27 = 15/12/27 = 23/02/23 = 03/02/21 = 03/0	60 days 255,3055540 ed 153 days 0 days 249 85 days 298 45 days 3055-60 edays, 270 days 204 days 248 143 days 302,3055-45 ed 5 days 0 days 0 days 305 0 days 305 0 days 305,205 0 days 305,205 0 days 305,205 0 days 305,205 0 days 313,314 0 days 0 days 0 days 0 days 0 days 113 days 124 days 125 days 125 days 126 days 127 days 127 days 127 days 128 days 129 days 129 days 129 days 129 days 129 days 129 days 129 days 129 days 129 days 120	299 300 303 309,307,348/5+12 309,307,348/5+12 309,5-20 days,32 31855-30 days,32 317 315,337 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
4         PLC System           4.1         Monufacturing of Plant, PLC for IW           4.2         Factory Acceptance Test of Plant, PLC for IW (To be witnessed by PM)           4.3         Shipping and Delivery of Plant to site           5         Fleed Bar Screen, EQ1046           5.1         IW - Manufacturing and Factory Acceptance Test of Plant           5.2         IW - Manufacturing and Factory Acceptance Test of Plant           5.3         IW - Shipping and Delivery of Plant to site           5.1         IW - Manufacturing and Factory Acceptance Test of Plant           5.3         IW - Shipping and Delivery of Plant to site           5.4         IW - Shipping and Delivery of Plant to site           5.1         Tentistic Exit Handover Date, Portion B-2, Inlet Works No. 1 (Iter, 5)           Tentistic Exit Handover Date, Portion B-2, Inlet Works No. 1         Iter, 5)           Tentistic Exit Handover Date, Portion B-2, Inlet Works No. 1         Iter, 5)           Tentistic Exit Handover Date, Portion B-2, Inlet Works No. 1         Iter, 5)           Tentistic Exit Handover Date, Portion B-2, Inlet Works No. 1         Iter, 5)           Tentistic Exit Handover Date, Portion B-2, Inlet Works No. 1         Iter, 5)           1         Provision of Temporary Water Souphy, Electricity Souphy, Lighting, Welfare facilities etc., Jinstallation of Uling Appliances at Inlet Works No. 1 <td>505 days Thu 08/07/21         Thu           200 days Thu 08/07/21         Tree           200 days Wed 04/05/21         Tree           60 days Wed 04/05/21         Tree           60 days Med 04/05/21         Tree           240 days Man 26/09/21         Tree           240 days Man 26/09/21         Tree           240 days Ast 24/07/21         Tree           240 days Ast 25/07/21         Tree           240 days Ast 25/17/22         Tree           1 days fire 11/10/21         Tree           1 days fire 12/17/22         Wee           30 days Set 25/17/22         Wee           45 days Tree 10/01/23         Tree           45 days Tree 10/01/23         Tree           45 days Tree 10/01/23         Tree           45 days Set 25/11/22         Mee           45 days Set 25/11/22         Mee</td> <td>2 4/11/22 e 03/05/22 03/05/23 e 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/07/27 = 24/07/27 = 24/07/27 = 25/12/22 = 14/00/27 = 23/02/23 = 23/02/23 = 03/00/22 = 03/02/23 = 03/02/2</td> <td>353 days           0 days 243           85 days 248           85 days 258           206 days 258           204 days 248           163 days 302,0055-45 ed           0 days 248           163 days 302,0055-45 ed           0 days 113 days           0 days 248           131 days 248           0 days 248           0 days 248           131 days 248           0 days 305           0 days 305           0 days 313,314           0 days 313,314           0 days 313,314           0 days 302           0 days 313,314</td> <td>299 300 303 309,307,348/5+12 309,307,348/5+12 309,5-20 days,32 31855-30 days,32 317 315,337 310,311,312,317</td> <td>LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men</td>	505 days Thu 08/07/21         Thu           200 days Thu 08/07/21         Tree           200 days Wed 04/05/21         Tree           60 days Wed 04/05/21         Tree           60 days Med 04/05/21         Tree           240 days Man 26/09/21         Tree           240 days Man 26/09/21         Tree           240 days Ast 24/07/21         Tree           240 days Ast 25/07/21         Tree           240 days Ast 25/17/22         Tree           1 days fire 11/10/21         Tree           1 days fire 12/17/22         Wee           30 days Set 25/17/22         Wee           45 days Tree 10/01/23         Tree           45 days Tree 10/01/23         Tree           45 days Tree 10/01/23         Tree           45 days Set 25/11/22         Mee	2 4/11/22 e 03/05/22 03/05/23 e 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/07/27 = 24/07/27 = 24/07/27 = 25/12/22 = 14/00/27 = 23/02/23 = 23/02/23 = 03/00/22 = 03/02/23 = 03/02/2	353 days           0 days 243           85 days 248           85 days 258           206 days 258           204 days 248           163 days 302,0055-45 ed           0 days 248           163 days 302,0055-45 ed           0 days 113 days           0 days 248           131 days 248           0 days 248           0 days 248           131 days 248           0 days 305           0 days 305           0 days 313,314           0 days 313,314           0 days 313,314           0 days 302           0 days 313,314	299 300 303 309,307,348/5+12 309,307,348/5+12 309,5-20 days,32 31855-30 days,32 317 315,337 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
A Commencement of EMI Institution at Inlet Works Ho. 1     Provides of Temporary Water Supply Electricity Supply, Lighting, Welfare facilities etc.,     Installation of Uniting Appliances at Inlet Works Ho. 1     // FEOT Crane LA-01-05 SWL 50     // FEOT Crane LA-01-05 SWL	200 days Thu 04/07/21 Tree 60 days Weel 04/05/22 Sat 60 days Meel 04/05/22 Sat 60 days Meel 04/05/22 Thu 49 days Sat 24/07/21 Thu 49 days Sat 24/07/21 Thu 40 days Sat 24/07/21 Thu 40 days Sat 22/11/22 Weel 3 dayr Ne 12/11/22 Veel 40 days Sat 25/11/22 Weel 419 days Sat 25/11/22 San 42 days Sat 25/11/22 San 42 days Sat 25/11/22 San 43 days Tae 30/01/23 Thu 45 days Tae 30/01/23 Thu 45 days Tae 30/01/23 Thu 45 days Sat 25/11/22 Meel 45	e 03/05/22 07/07/23 2 4/11/22 2 2/11/22 2 2/11/22 2 2/11/22 2 3/01/22 2 3/01/22 2 3/11/22 2 3/11/22 2 3/11/22 2 3/11/22 2 3/11/22 2 3/12/22 2 3/12/22 2 3/12/22 2 3/02/23 2 3/02/23	0 days 249 85 days 298 45 days 298 45 days 298 305 days 298 343 days 208 343 days 202,20555-45 ed 5 days 0 days 207 5 days 205 0 days 205 0 days 305 0 days 313,314 45 days 313,314 0 days 313,314 0 days 313,314	300 29 337 303 303,520 309,307,34885412 34067430 days 31855430 days,32 317 315,317 316,313,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
4.2         Factory Acceptance Test of Plant, PLC for IW (To be witnessed by PM)           4.3         Shipping and Delivery of Plant to site           5         Fixed Bar Screen, EQ1046           5.1         IW- Maunfacturing and Factory Acceptance Test of Plant           5.2         IW- Shipping and Delivery of Plant to site           5.2         IW- Shipping and Delivery of Plant to site           5.2         IW- Shipping and Delivery of Plant to site           5.2         IW- Shipping and Delivery of Plant to site           5.2         IW- Shipping and Delivery of Plant to site           5.2         IW- Shipping and Delivery of Plant to site           5.2         IW- Shipping and Scott Acceptance Test of Plant           5.4         Tentative Civil Handover Date, Works Ho. 1 (Rev. 5)           Tentative Civil Handover Date, WV cables draw pits from MPD2 to IW           Commencement of E&M Installation at Inlet Works Ho. 1           1         Provision of Temporary Water Supply, Userinity Supply, Ughting, Welfare facilities etc.,           1         I/F EOT Crane LA-0-10 SWL 54           2.1         1/F EOT Crane LA-01-02 SWL 54           2.3         1/F EOT Crane LA-01-03 SWL 51           2.4         LOG EOT Crane LA-01-05 SWL 104           2.5         LOG EOT Crane LA-01-05 SWL 104           2.7         Sub	60 days Wed 04/05/22         54 (1           60 days Med 04/05/22         54 (1           60 days Med 04/05/22         The           480 days 61 24/07/21         The           240 days 51 24/07/21         The           240 days 51 24/07/21         The           240 days 51 24/07/21         The           450 days 51 24/07/21         The           440 days 51 24/17/22         The           1 day 76 25/13/22         Yet           1 day 76 25/13/22         Yet           1 day 56 25/13/22         Yet           1 day 56 25/13/22         Yet           1 day 56 25/13/22         Yet           4 5 days Tue 10/01/73         The           4 5 days Tue 10/01/73         The           4 5 days 51 25/11/22         Met           4 5 days 51 25/11/22         Met           4 5 days 51 25/11/22         Met           4 5 days 51 25/11/22         Fri           4 5 days 51 25/11/22         Fri           50 days Med 26/02/23         San           14 days 51 25/11/22         Fri           7 days Med 10/04/23         San           2 50 days Med 26/12/22         Met           12 0 days Med 26/12/22         Met	02/07/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 24/11/22 = 14/02/23 = 14/02/23 = 25/02/23 = 23/02/23 = 23/02/23 = 23/02/23 = 23/02/23 = 03/02/23 = 03/02/	85 days 288 45 days 2055-60 edays, 270 days 268 204 days 268 3 days 268 0 days 268 0 days 268 0 days 268 0 days 268 0 days 2055-45 ed 3 days 2055-45 ed 3 days 2055-45 ed 3 days 2055-45 ed 3 days 2055-45 ed 4	300 29 337 303 303,520 309,307,34885412 34067430 days 31855430 days,32 317 315,317 316,313,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
4.3         Shipping and Delivery of Plant to site           5         Fixed Bar Screen, EQT046           5.1         W- Manufacturing and Factory Acceptance Test of Plant           5.2         IW - Shipping and Delivery of Plant to site           5.3         IW - Shipping and Delivery of Plant to site           5.4         IW - Shipping and Delivery of Plant to site           5.5         IW - Shipping and Delivery of Plant to site           5.6         IW - Shipping and Delivery of Plant to site           5.7         Tentative Civil Handover Date, Portion B-2, Inlet Works Ho. 1 (Incr. 5)           7         Tentative Civil Handover Date, WV cables draw pits from MPD2 to IW           Commencement of E&M Installation & Inlet Works Ho. 1         Installation of Wind Replayments at Inlet Works No. 1           1         Provision of Temporary Water Supply, Discriticity Supply, Ughting, Welfare facilities etc.,           2.1         I/F EOT Crane IA-01-01 SWL St           2.2         1/F EOT Crane IA-01-02 SWL St           2.3         1/F EOT Crane IA-01-03 SWL St           2.4         UG EOT Crane IA-01-03 SWL 10t           2.5         UG EOT Crane IA-01-04 SWL 10t           2.6         1/F Retractable Crane IA-01-05 SWL 10t           2.7         Submission of T&E Plan and Procedures of IA for acceptance           2.8         T&C.	60 days Men 26/09/22 Thu 489 days Sat 24/07/21 Sun 489 days Sat 24/07/21 Sun 480 days Sat 24/07/21 Sun 480 days Thi 21/10/22 Thu 480 days Thi 21/10/22 Thu 480 days Thi 25/11/22 Weil 1 days Thi 25/11/22 Weil 1 days Sat 26/11/22 Weil 1 days Sat 26/11/22 Weil 480 days Sat 26/11/22 Sun 480 days The 10/01/23 Thu 480 days The 10/01/23 Thu 480 days Sat 26/11/22 Men 480 days Men 26/12/23 San 140 days Men 26/12/22 Men 120 days Men 26/12/22 Men	24/11/22 24/11/22 20/03/22 24/11/22 24/11/22 25/11/22 25/11/22 25/12/	45 days 3055-60 edays, 270 days 204 days 248 143 days 302,3055-45 ed 5 days 0 days 3 days 5 days 0 days 105 0 days 105 0 days 105,285 45 days 313,314 45 days 313,314 0 days 0 days 0 days	303 in 320 309,307,34865+12 340676+30 days 31855+30 days,32 317 317 315,317 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
5         Fixed Bar Screen, EQ1046           5.1         IV- Manufacturing and Factory Acceptance Test of Plant           5.2         IV- Shipping and Delivery of Plant to site           5.3         IV- Shipping and Delivery of Plant to site           5.4         IV- Shipping and Delivery of Plant to site           5.5         Tentative Civil Handover Date, Portion B-2, Inlet Works No. 1 (Ner. 5)           Tentative Civil Handover Date, HV cables draw pits from MFD2 to HV           Commencement of E&M Installation at Inlet Works No. 1           1         Provision of Temporary Water Supply, Electricity Supply, Ughing, Welfare facilities etc.,           2.1         Iv/F EOT Crane LA-01-01 SWL 51           2.2         1/F EOT Crane LA-01-02 SWL 54           2.3         1/F EOT Crane LA-01-03 SWL 51           2.4         UGE EOT Crane LA-01-04 SWL 51           2.5         UGE COT Crane LA-01-05 SWL 101           2.6         1/F Retractable Crane LA-01-05 SWL 101           2.7         Submission of T&C Plan and Procedures of LA for acceptance           2.8         T&C, Loading Test for Ulfing Applances           3.1         Installation of Intervisor No. 1	489 days Sait 24/07/21         Thu           240 days Sait 24/07/21         Sant           450 days Sait 24/07/21         Sant           460 days Sait 24/07/21         Thu           440 days Sait 24/07/21         Thu           440 days Sait 24/11/22         Viria           1 day Tait 21/11/22         Viria           1 day Tait 24/02/21         Tait           1 day Tait 24/02/22         Viria           1 24 days Sait 25/11/22         Viria           45 days Tue 10/01/23         Thu           45 days Tue 10/01/23         Thu           45 days Tue 10/01/23         Thu           45 days Sait 25/11/22         Mor           46 days Sait 25/11/22         Mor           47 days Sait 25/11/22         Mor           48 days Sait 25/11/22         Mor           49 days Sait 25/11/22         Mor           49 days Sait 25/11/22         Mor           40 days Sait 25/11/22         Mor           41 days Sait 25/11/22         Mor           42 days More 26/02/23         Sant           14 days Sait 25/11/22         Mor           7 days More 36/12/22         Mor           120 days More 26/12/22         Mor	24/11/22 20/03/22 24/11/22 24/11/22 25/11/22 25/11/22 25/12/22 25/12/22 25/12/22 25/22/23 23/02/23 23/02/23 23/02/23 23/02/23 00/04/23 00/04/23 25/04/23	270 days 204 days 248 343 days 302,3055-45 ed 0 days 133 days 5 days 805 0 days 305 0 days 305,225 4 5 days 313,314 4 5 days 313,314 0 days 0 days 0 days 0 days 133,314	303 in 320 309,307,34865+12 340676+30 days 31855+30 days,32 317 317 315,317 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
5.1         IW - Manufacturing and Factory Acceptance Test of Plant           5.2         IW - Shipping and Delivery of Plant to site           5.2         IW - Shipping and Delivery of Plant to site           5.2         IW - Shipping and Delivery of Plant to site           5.3         Tentstive Chill Handover Date, Portion 8-2, Inlet Works No. 1 (Her, 5)           Tentstive Chill Handover Date, Portion 8-2, Inlet Works No. 1 (Her, 5)           Tentstive Chill Handover Date, Wit Jubies draw pits from MFD2 to IW           Commencement of EAM Installation at Inlet Works No. 1           1         Prevision of Temporary Water Supply, Electricity Supply, Lighting, Welfare facilities etc.,           2         Installation of Ulfilg Appliances at Inlet Works No. 1           2.1         1/F EOT Crane LA0-10 SWL 55           2.3         1/F EOT Crane LA0-10 SWL 55           2.4         UG EOT Crane LA0-10 SWL 50           2.5         UG EOT Crane LA0-10 SWL 50           2.6         LOT Crane LA0-10 SWL 101           2.7         Submission of T&C Plan and Procedures of LA for acceptance           2.8         T&C, Loading Test for Ulfiling Appliances           3.1         Installation of Penstecka and stoplogs (Penstock 35nos, Stoplogs 37 nos), EQT013	240 days 5at 24/07/21 Sun 445 days Trie 11/10/22 The 440 days fit 25/11/22 The 440 days fit 25/11/22 The 440 days fit 25/11/22 Fit 430 days 5at 26/11/22 Sun 430 days 5at 26/11/22 Sun 442 days 5at 26/11/22 Sun 455 days Tue 10/01/23 The 455 days Tue 10/01/23 The 455 days Tue 10/01/23 The 455 days 5at 26/11/22 More 455 days 5at 26/11/22 More 455 days 5at 26/11/22 Fit 455 days 5at 26/11/22 Fit 455 days 5at 26/11/22 Fit 455 days 5at 26/11/22 Fit 455 days 5at 26/11/22 Fit 7 days Mon 10/04/23 San 250 days Mon 26/12/22 Jan	a 20/03/22 a 24/11/22 s 24/11/22 s 25/11/22 s 14/02/23 a 25/12/22 a 16/04/23 a 23/02/23 a 23/02/23 a 03/04/23 o 09/01/22 a 16/04/23	204 days 248 343 days 192,20555-45 ed 5 days 5 days 5 days 195 0 days 105 0 days 105 0 days 105,285 45 days 105,285 45 days 113,314 0 days 113,314 0 days 0 days 0 days 0 days	309,307,348F5+12 340FF+30 days 31855+30 days,32 317 317 315,317 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
S2.2         W - Shipping and Delivery of Plant to site           Site Installation Work         Site Installation Work           Tentstive Civil Handover Date, Portion B-2, Inlet Works No. 1 (Ner. 5)           Tentstive Civil Handover Date, Witchild Science State	45 days Tue 11/10/72 Thu 440 days Fri 25/11/22 Vice 1 days Fri 25/11/22 Vice 1 days Fri 25/11/22 Vice 1 days Fri 25/11/22 Vice 3 do days Sait 26/11/22 Vice 3 do days Sait 26/11/22 San 45 days Tue 10/01/73 Thu 45 days Tue 10/01/73 Thu 45 days Tue 10/01/73 Thu 45 days Sait 26/11/22 Mor 45 days Sait 26/11/22 San 14 days Sait 26/11/22 San 7 days Mon 10/04/23 San 29 days Mon 26/11/22 Mor	a 24/11/22 ad 07/02/24 25/11/22 a 14/02/23 ad 07/02/24 a 14/02/23 a 25/12/22 a 16/04/23 a 23/02/23 a 23/02/23 a 03/04/23 09/04/23 a 16/04/23	143 days 302,30355-45 ed 5 days 0 days 133 days 0 days 305 0 days 305 0 days 305,285 45 days 313,314 45 days 313,314 0 days 313,314 0 days 133,314 0 days 133,314	309,307,348F5+12 340FF+30 days 31855+30 days,32 317 317 315,317 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
Site Installation Work           Tentative Crid Handover Date, Portion 8-2, Inlet Works Ho. 1 (Ner. 5)           Tentative Crid Handover Date, Portion 8-2, Inlet Works Ho. 1 (Ner. 5)           Commencement of E&M Installation at Inlet Works Ho. 1 (Ner. 5)           Commencement of E&M Installation at Inlet Works Ho. 1           Installation of Uning Appliances at Inlet Works No. 1           J.         Previous of Temporary Water Supply, Electricity Supply, Ughting, Welfare facilities etc.,           J.         Installation of Uning Appliances at Inlet Works No. 1           Z.1         J/F EOT Crane LA-01-01 SWL St           Z.3         J/F EOT Crane LA-01-03 SWL St           Z.4         UGE DOT Crane LA-01-03 SWL St           Z.5         UGE EOT Crane LA-01-04 SWL 101           Z.6         LOF Corrae LA-01-05 SWL 101           Z.7         Submission of T&C Plan and Procedures of LA for acceptance           Z.8         T&C, Loading Test for Ulting Appliances           J         Mechanical Installations for Intel Works No. 1           J.1         Installation of penstock and stoplogs (Penstock Stroos, Stoplogs 37 nos), EQT013	440 days Fri 25/11/22 Viet 3 day 7ri 25/11/22 Viet 405 days Fri 25/11/22 Viet 3 days fast 36/27/21 Viet 405 days 541 26/11/22 Viet 3 days 541 26/11/22 Viet 45 days 541 26/11/22 Viet 45 days 541 26/11/22 Mor 45 days 541 26/11/22 Mor 14 days 541 26/11/22 Mor 7 days Mon 26/12/23 San 30 days Mon 26/12/22 Mor	id 07/02/2+ 25/11/22 is 14/02/23 is 14/02/23 is 16/04/23 is 25/12/22 is 16/04/23 is 23/02/23 is 23/02/23 is 23/02/23 is 09/04/23 is 16/04/23	5 days D days 133 days 5 days 305 0 days 305 0 days 305,285 45 days 313,314 0 days 313,314 0 days 113,314 0 days 0 days 0 days	309,307,348F5+12 340FF+30 days 31855+30 days,32 317 317 315,317 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
Tentative Civil Rendever Date, Portion 8-2, Inlet Works No. 1 (Ner. 5)           Tentative Civil Randover Date, HV cables draw pits from MFB2 to HV           Commencement of E&M Installation at Inlet Works No. 1           Tentative Civil Randover Date, HV cables draw pits from MFB2 to HV           Commencement of E&M Installation at Inlet Works No. 1           1         Provision of Temporary Water Supply, Disctricity Supply, Ughting, Welfare facilities etc., Installation of Uling Appliances at Inlet Works No. 1           2.1         1/F EOT Crane LA-01-02 SWL St           2.2         1/F EOT Crane LA-01-02 SWL St           2.3         1/F EOT Crane LA-01-03 SWL St           2.4         UG EOT Crane LA-01-03 SWL St           2.5         UG EOT Crane LA-01-05 SWL 10F           2.6         1/F Retractable Crane LA-01-05 SWL 10F           2.7         Submission of T&C Pian and Procedures of LA for acceptance           2.8         T&C, Loading Test for Ulfing Applances           3         Metchanical Installations for Infet Works No. 1           3.1         Installation of penstock and stoplogs (Penstock Stonos, Stoplogs 37 nos), EQT013	1 day 5rd 25/13/22 Frd 2 1 day 5rd 25/13/22 Viet 3 day Tue 14/07/23 Tue 4 39 days 5et 25/13/22 Viet 3 day 5et 25/13/22 Sue 4 5 days 5et 25/13/22 Sue 4 5 days Tue 10/01/23 The 4 5 days Tue 10/01/23 The 4 5 days Tue 10/01/23 The 4 5 days 5et 25/13/22 Mort 4 5 days 5et 25/13/22 Mort 4 5 days 5et 25/13/22 Frd 7 days More 26/13/22 Sue 2 0 days More 26/13/22 Mort 1 2 0 days More 26/13/22 Mort	25/11/22 = 14/02/23 = 14/02/23 = 16/04/23 = 25/12/22 = 16/04/23 = 21/02/23 = 21/02/23 = 09/01/22 = 09/04/23 = 16/04/23	0 days 113 days 5 days 805 0 days 105 0 days 105,285 45 days 313,314 0 days 113,314 0 days 0 days 0 days 0 days 0 days	340FF+30 days 31855+30 days,32 317 315,317 315,317 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
Tentative Civil Riandover Date, HV cables draw pits from MF82 to NV           Commencement of E&M instillation at Inlet Works No. 1           1         Provision of Temporary Water Supply, Electricity Supply, Lighting, Welfare facilities etc.,           1         Installation of Uhing Appliances at Inlet Works No. 1           2.1         1/F EOT Crane LA-01-02 SWL 5t           2.2         1/F EOT Crane LA-01-02 SWL 5t           2.3         1/F EOT Crane LA-01-03 SWL 5t           2.4         UGE EOT Crane LA-01-04 SWL 10t           2.5         UGE COT Crane LA-01-05 SWL 10t           2.6         1/F Retractable Crane LA-01-05 SWL 10t           2.7         Submission of T&C Flan and Procedures of LA for acceptance           2.8         T&C, Loading Test for Uhing Applances           3         Metchanical Installations for Intel Works No. 1           3.1         Installation of penstock and stoplogs (Penstock Stonos, Stoplogs 37 nos), EQT013	1 day Tue 14/02/13 Tue 419 days 54126/11/22 View 300 days 54126/11/22 View 410 days 54126/11/22 Sun 142 days 54126/11/22 Sun 451 days Tue 10/01/23 Thu 451 days Tue 10/01/23 Thu 451 days Tue 10/01/23 Thu 451 days 54126/11/22 More 451 days 54126/11/22 More 451 days 54126/11/22 Fit 141 days 54126/11/22 Fit 71 days Mon 10/04/23 Sun 200 days Mon 26/12/22 More 120 days Mon 26/12/22 More	a 14/02/23 a 16/02/23 a 25/12/22 a 16/04/23 a 23/02/23 a 23/02/23 a 23/02/23 a 09/01/25 a 09/01/25 a 09/04/23 a 09/04/23 a 16/04/23	113 days 5 days 305 0 days 305 0 days 305,285 45 days 305,285 45 days 313,314 0 days 313,314 0 days 0 days 0 days 0 days	340FF+30 days 31855+30 days,32 317 315,317 315,317 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - E x 4~6 men LA - C x 4~6 men
Commencement of E&M Installation at Intel Works No. 1           1         Previolan of Temporary Water Supply, Electricity Supply, Lighting, Welfare facilities etc., installation of Ulting Appliances at Intel Works No. 1           2         Intel Internet Appliances at Intel Works No. 1           3         I/F EOF Crane LA-0.1 SW, St           2.3         1/F EOF Crane LA-0.1 SW, St           2.4         U/F EOF Crane LA-0.1 SW, St           2.5         UG EDF Crane LA-0.1 of SW, 10t           2.6         1/F EOF Crane LA-0.1 of SW, 10t           2.7         Submission of T&C Plan and Procedures of LA for acceptance           2.8         T&C, Loading Test for Ulting Appliances           3         Mechanical Installations for Infet Works No. 1           3.1         Installation of penstocka and stoplogs (Penstock Sinos, Stoplogs 37 nos), EQT013	419 darp Set 26/11/22         Vere           30 darp Set 26/11/22         Set 26/11/22         Set 26/11/22           142 darp Set 26/11/22         Set 26/11/22         Set 26/11/22           45 darp Tue 10/01/23         The         45 darp Tue 10/01/23           45 darp Tue 10/01/24         The         45 darp Tue 10/01/23           45 darp Tue 10/01/25         The         45 darp Tue 10/01/23           45 darp Set 26/11/22         Mor         45 darp Set 26/11/22           45 darp Set 26/11/22         Mor         45 darp Set 26/11/22           45 darp Set 26/11/22         Mor         45 darp Set 26/11/22           14 darp Set 26/11/22         Fit         7 darp Mon 10/04/23         Set           26 darp Mon 26/11/22         Mor         29 darp Mon 26/11/22         Mor	d 07/02/20 a 25/12/22 a 16/04/23 a 23/02/23 a 23/02/23 a 23/02/23 a 23/02/23 a 09/01/22 a 09/04/23 09/01/22 a 16/04/23	5 stars 805 0 days 305 0 days 305,285 45 days 305,285 45 days 313,314 0 days 0 days 0 days 0 days	31855+30 days,32 317 317 315,317 315,317 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - C x 4~6 men
1         Provision of Temporary Water Supply, Electricity Supply, Lighting, Welfare facilities etc.,           3         Installation of Uning Appliances at Inlet Works No. 1           2.1         1/F EOT Crane IA-01-01 SW 15t           2.3         1/F EOT Crane IA-01-02 SWL 5t           2.4         UG EOT Crane IA-01-03 SWL 5t           2.5         UG EOT Crane IA-01-05 SWL 10t           2.5         UG EOT Crane IA-01-05 SWL 10t           2.6         1/F Retractable Crane IA-01-05 SWL 10t           2.7         Submission of T&C Plan and Procedures of UA for acceptance           2.8         T&C, Loading Test for Uning Appliances           3.1         Installations of not Ret Works No. 1	30 days Seit 26/11/22         Sun           142 days Seit 26/11/22         Sun           45 days Tue 10/01/23         Thu           45 days Seit 26/11/22         Mor           45 days Seit 26/11/22         Mor           45 days Seit 26/11/22         Fri           14 days Seit 26/11/22         Fri           7 days Mon 26/12/23         San           20 days Mon 26/12/22         Mor           120 days Mon 26/12/22         Mor	n 25/12/22 n 16/04/23 u 23/02/23 u 23/02/23 u 23/02/23 u 23/02/23 un 09/01/21 un 09/01/21 un 09/01/23 09/01/23 un 09/12/22 n 16/04/23	0 days 305 0 days 305,285 45 days 313,314 45 days 313,314 0 days 313,314 0 days 0 days 0 days	317 317 315,317 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - C x 4~6 men
1         Provision of Temporary Water Supply, Electricity Supply, Lighting, Welfare facilities etc.,           3         Installation of Uning Appliances at Inlet Works No. 1           2.1         1/F EOT Crane IA-01-01 SW 15t           2.3         1/F EOT Crane IA-01-02 SWL 5t           2.4         UG EOT Crane IA-01-03 SWL 5t           2.5         UG EOT Crane IA-01-05 SWL 10t           2.5         UG EOT Crane IA-01-05 SWL 10t           2.6         1/F Retractable Crane IA-01-05 SWL 10t           2.7         Submission of T&C Plan and Procedures of UA for acceptance           2.8         T&C, Loading Test for Uning Appliances           3.1         Installations of not Ret Works No. 1	142 days Sat 26/13/22         Sun           45 days Tue 10/01/23         The           45 days Sat 26/11/22         Mor           45 days Sat 26/11/22         Mor           14 days Sat 26/11/22         Fri           7 days Mon 26/12/23         San           29 days Mon 26/12/22         San           120 days Mon 26/12/22         Mor	n 16/04/23 x 23/02/23 x 23/02/23 x 23/02/23 x 23/02/23 x 09/01/21 x 09/01/21 x 09/01/23 09/01/22 x 09/04/23 09/12/22 x 16/04/23	0 daya 305,285 45 daya 313,314 45 daya 313,314 0 daya 313,314 0 daya 0 daya 0 daya 312	317 317 315,317 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - C x 4~6 men
Installation of URing Appilances at Inlet Works No. 1           2.1         1/F EOT Crane LA-01-01 SWL St           2.2         1/F EOT Crane LA-01-02 SWL St           2.3         3/F EOT Crane LA-01-03 SWL St           2.4         UGE EOT Crane LA-01-03 SWL St           2.5         UGE EOT Crane LA-01-05 SWL 10t           2.6         UGE EOT Crane LA-01-05 SWL 10t           2.7         Submission of T&C Plan and Procedures of LA for acceptance           2.8         T&C, Loading Test for URing Applances           3         Mechanical Installation for Intel Works No. 1           3.1         Installation of penstocks and stoplogs (Penstock Strone, Stoplogs 37 nos), EQT013	142 days Sat 26/13/22         Sun           45 days Tue 10/01/23         The           45 days Sat 26/11/22         Mor           45 days Sat 26/11/22         Mor           14 days Sat 26/11/22         Fri           7 days Mon 26/12/23         San           29 days Mon 26/12/22         San           120 days Mon 26/12/22         Mor	23/02/23 23/02/23 23/02/23 23/02/23 09/01/21 09/01/21 09/04/23 09/12/22 10/04/23	45 days 313,314 45 days 313,314 0 days 313,314 0 days 0 days 0 days 0 days 312	317 317 315,317 310,311,312,317	LA - A x 4~6 men LA - B x 4~6 men LA - C x 4~6 men
2.1         1/F EOT Crane LA-01-01 SWL 51           2.2         1/F EOT Crane LA-01-02 SWL 51           2.3         1/F EOT Crane LA-01-02 SWL 51           2.4         UGE EOT Crane LA-01-03 SWL 52           2.5         UGE EOT Crane LA-01-04 SWL 101           2.6         1/F Retractable Crane LA-01-05 SWL 101           2.7         Submission of T&C Plan and Procedures of LA for acceptance           2.8         T&C, Loading Test for Lifting Applances           3         Mechanical Installations for Infet Works No. 1           3.1         Installation of penstock and stoplogs (Penstock Stonos, Stoplogs 37 nos), EQT013	45 days Tue 10/01/23 Thu 45 days Tue 10/01/23 Thu 45 days Sut 26/11/22 Mor 45 days Sut 26/11/22 Mor 45 days Sut 26/11/22 Mor 45 days Sut 26/11/22 Fri 7 days Nat 26/11/22 Fri 250 days Mora 26/12/22 Fri 120 days Mora 26/12/22 Mor	23/02/23 23/02/23 00 09/01/25 009/01/25 09/04/23 09/12/22 09/12/22	45 days 313,314 0 days 313,314 0 days 0 days 0 days 0 days	317 315,317 310,311,312,317	LA - B x 4°6 men LA - C x 4°6 men
2.2         1/F EOT Crane LA-01-02 SWL 51           2.3         1/F EOT Crane LA-01-03 SWL 52           2.4         UG EOT Crane LA-01-04 SWL 101           2.5         UG EOT Crane LA-01-05 SWL 101           2.6         1/F Retractable Crane LA-01-05 SWL 101           2.7         Submission of T&C Plan and Procedures of LA for acceptance           2.8         T&C, Loading Test for Lifting Applances           3         Mechanical Installations for Intel Works No. 1           3.1         Installation of penstock and stoplogs (Penstock Sinos, Stoplogs 37 nos), EQT013	45 days Twe 10/01/23 The 45 days Sat 26/11/22 Mer 45 days Sat 26/11/22 Mer 45 days Sat 26/11/22 Mer 46 days Sat 26/11/22 Fri 7 days to 20/02/23 Fri 20 days Men 26/12/22 Fri 120 days Men 26/12/22 Mer	a 23/02/23 on 09/01/21 on 09/01/22 n 09/04/23 09/12/22 n 16/04/23	0 days 313,314 0 days 0 days 0 days 0 days 312	315,317 310,311,312,317	LA - Cx 4~6 men
2.3     1/f EOT Crane LA-01-03 SWL 5t       2.4     UGE DT Crane LA-01-04 SWL 10t       2.5     UGE CDT Crane LA-01-05 SWL 10t       2.6     1/f Retractable Crane LA-01-05 SWL 10t       2.7     Submission of T&C Plan and Procedures of LA for acceptance       2.8     T&C, Loading Test for Liftling Appliances       3.1     Installations for Intel Works No. 1	45 days Twe 10/01/23 The 45 days Sat 26/11/22 Mer 45 days Sat 26/11/22 Mer 45 days Sat 26/11/22 Mer 46 days Sat 26/11/22 Fri 7 days to 20/02/23 Fri 20 days Men 26/12/22 Fri 120 days Men 26/12/22 Mer	a 23/02/23 on 09/01/21 on 09/01/22 n 09/04/23 09/12/22 n 16/04/23	0 days 313,314 0 days 0 days 0 days 0 days 312	310,311,312,317	LA - Cx 4~6 men
2.4         UG EOT Crane LA-01-05 SWL 10t           2.5         UG EOT Crane LA-01-05 SWL 10t           2.6         1/F Retractable Crane LA-0-05 SWL 10t           2.7         Submission of T&C Plan and Procedures of LA for acceptance           2.8         T&C, Loading Test for URing Appliances           3         Mechanical Installations for Infet Works No. 1           3.1         Installation of pentocka and stoplogs (Pentock Sinos, Stoplogs 37 nos), EQT013	45 days 5at 26/11/22 Mor 45 days 5at 26/11/22 Mor 45 days 5at 26/11/22 Mor 14 days 5at 26/11/22 Fri 7 days Mon 10/04/23 Sun 250 days Mon 26/12/22 Fri 110 days Mon 26/12/22 Mor	n 09/01/21 n 09/01/22 n 09/04/23 09/12/22 n 16/04/23	0 days 0 days 0 days 312		LA - A x 4~6 men
2.5         UG EOT Crane LA-01-05 SWL 10t           2.6         1/F Retractable Crane LA-01-06 SWL 10t           2.7         Submission of T&C Plan and Procedures of LA for acceptance           2.8         T&C, Loading Test for Ulting Appliances           3         Mechanical Installations for Intel Works No. 1           3.1         Installation of penstocks and stoplogs (Penstock Stros, Stoplogs 37 nos), EQT013	45 days Sat 26/11/22 Mor 45 days Fri 24/02/23 Sun 14 days Sat 26/11/22 Fri O 7 days Mon 10/04/23 Sun 250 days Mon 26/12/22 Fri O 120 days Mon 26/12/22 Mor	n 09/01/22 n 09/04/23 09/12/22 n 16/04/23	0 days 0 days 312		
2.8         1/F Retractable Crane LA-DI-06 SWL 10t           2.7         Submission of T&C Plan and Procedures of LA for acceptance           2.8         T&C, Loading Test for Lifting Appliances           3         Mechanical Installations for Intel Works No. 1           3.1         Installation of penstock and stoplogs (Penstock Sinos, Stoplogs 37 nos), EQT013	45 days Fri 24/02/23 Sen 14 days Sit 26/11/22 Fri 0 7 days Mon 10/04/23 Sun 250 days Mon 26/12/22 Fri 0 120 days Mon 26/12/22 Mor	n 09/04/23 09/12/22 n 16/04/23	0 days 312		LA-Bx4*6men
2.7         Submission of T&C Plan and Procedures of LA for acceptance           2.8         T&C, Loading Test for Lifting Appliances           3.1         Mechanical Installations for Initet Works No. 1           3.1         Installation of penstocks and stoplogs (Penstock 35nos, Stoplogs 37 nos), EQT013	14 days Sat 26/11/22 Fri 0 7 days Mon 10/04/23 Sun 259 days Mon 26/12/22 Fri 0 320 days Mon 26/12/22 Mor	09/12/22 16/04/23	1.000	317	LA-Cx4*6 men
Z.8         T&C, Loading Test for Lifting Appliances           J         Mechanical installations for inlet Works No. 1           J.1         Installation of penstocks and stoplogs (Penstock 35nos, Stoplogs 37 nos), EQT013	7 days Mon 10/04/23 Sun 250 days Mon 26/12/22 Fil 0 120 days Mon 26/12/22 Mor	16/04/23		317	at the smell
.3 Mechanical Installations for Inlet Works No. 1 3.1 Installation of penstocks and stoplogs (Penstock 35nos, Stoplogs 37 nos), EQT013	250 days Mon 26/12/22 Fil 0 120 days Mon 26/12/22 Mor		0 days 310,311,312,313		LA - Bx 4*6 men
3.1 Installation of penstocks and stoplogs (Penstock 35nos, Stoplogs 37 nos), EQT013	120 days Mon 26/12/22 Mor		0 days 30955+30 days	33355+14 days,34	
	the second se		and the second s		1
3.2 Installation of fixed bar screen (x1), EQT046	and the second sec		0 days 265, 259, 279	328,329,332	ME - E x 4~6 men
	7 days Mon 17/04/23 Sun		0 days 317,303	324	ME - D x 2~4 men
3.3 Installation of mechanical raked coarse bar screens (x4), EQT052	90 days Mon 26/12/22 Sat 2		22 days 261	322	ME - Ax 4~6 men
3.4 Installation of screening conveyors (x6), EQT053	30 days Mon 17/04/23 Tue		0 days 309, 321, 264	327	ME - A x 4~6 men
3.5 Installation of inlet pumps (x5), EQT006	21 days Sat 08/07/23 Fri 2		0 days 309,32855+14 da		ME - 8 x 4~6 men
3.6 Installation of mechanical raked fine bar screens (x4), EQT052	75 days Mon 24/04/23 Fri 0		0 days 320,261	323	ME - B x 4~6 men
3.7 Installation of grit removal system (x3), EQT004	14 days Sat 29/07/23 Fil 1	11/08/23	0 days 323,270	326	ME - 8 x 4~6 men
3.8 Installation of grit classifiers (x2), EQT005	21 days Sat 12/08/23 Fri 0		127 days 325,273		ME - 8 x 4~6 men
3.9 Installation of compactors (x2), EQT003	21 days Wed 17/05/23 Tue	06/06/23	214 days 322,267		ME - Ax 4"6 men
3.10 Installation of pipework and valves, EQT036	30 days Tue 25/04/23 Wes	d 24/05/21	0 days 319,276,282	32355+14 days,330	ME - D x 2~4 men
3.11 Pipework pressure tests	30 days Tue 25/04/23 Wed	d 24/05/21	0 days 319	32355+14 days,330	ME - D x 2~4 men
3.12 Installation of Instrumentations, EQT035-1	90 days Thu 25/05/23 Tue	22/08/23	137 days 328, 329, 52		ME - A x 4*6 men
3.13 Installation of Platforms, Covers etc, EQT050	180 days Mon 26/12/22 Fri 2	23/06/23	197 days		ME - D x 2"4 men
3.14 Site Acceptance Tests - mechanical aspects including alignment and levels checks, leal	120 days Tue 25/04/23 Tue	22/08/23	137 days 319		ME - D x 2"4 men
	4 100,000 (100,000,000,000,000,000,000,000,000,000		58 days 31855+14 days	145	
					LV - Ax 4~6 men
			150 days	340	LV-Ax4"5men
Also in the second s	1 1000 000 000 000 000 000 000 000 000			1220	EE - Ax 4*6 men
		10.0372.02			EE - B x 4°6 men
			and the second se	1000	EE - Bx4~6 men
	[1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2				EE - Cx4~6 men
	a contraction of the second	20102001		A STOLEN STOLEN	
			The second se	y:345	LV - A x 4~6 men
					LV - A x 4~5 men
.5 SCADA Systems, inlet Works			78 days		
5.1 Configuration of PLC System, IW			0 days 339	344	PLC - Ax 1 man
5.2 Site Acceptance Test for PLC System at Inlet Works No. 1	and a second second second second		51 days 343	345,1262	
6 Site Acceptance Test for E&M Equip & Instrumentations calibration, IW	15 days Tue 02/01/24 Tue	16/01/24	0 days \$18,333,340,470	5346	
	15 edays Tue 16/01/24 Wed	d 31/01/2	0 edays 345	347	
7 System Commissioning for E&M Equip at Inlet Works No. 1	7 edays Wed 31/01/24 Wed	d 07/02/2+	0.63 edays 346,355	1258	
.7 System Commissioning for E&M Equip at Inlet Works No. 1 B Risk Allowances for completion of Processing Plant at Inlet Works No. 1		19/01/24	17 days 305F5+120 days,	2	
3 A A A A A A A 5 5 5	14         Site Acceptance Tests - mechanical aspects including alignment and levels checks, lea           Electrical installations for Infet Works No, 1         Installation of VS Switchboards, IW           1         Installation of TWS Switchboards, IW           2         Modification of HVS Switchboards, IWFB No. 1 [Rev. B]           3         Installation of Transformer, WJ, EQT032           4         Installation of FLC Panels, IW           5         Installation of Cable trays and cable containments           6         Cables laying and terminations           7         Energisation of FLC System, IW           3         State Acceptance Tests - Electrical aspects including voitage and current tests, equipm           5CADA Systems, Inlet Works         1           1         Configuration of PLC System, IW           2         Site Acceptance Test for FLC System at kelet Works No. 1           3         Site Acceptance Test for FLE System at kelet Works No. 1           4         Site Acceptance Test for FLE System at kelet Works No. 1           5         Ready for EAM Equip & Instrumentations calibration, IW           5         Ready for EAM Equip at their Works No. 1	14         Site Acceptance Tests - mechanical aspects including alignment and levels checks, lead         120 days Tue 25/04/23         Tue           14         Electrical Installations for Inlet Works No. 1         300 days Web 09/01/23         Site Acceptance Tests - mechanical aspects including alignment and levels checks, lead         120 days Tue 25/04/23         Tue           1         Installations for Inlet Works No. 1         300 days Web 09/01/23         Site Acceptance Tests - Mechanical aspects including value of the Site Acceptance Test for FLC System, IW         50 days Mon 09/01/23         Site Acceptance Test for FLC System at Inlet Works No. 1         50 days Mon 09/01/23         Site Acceptance Test for FLC System at Inlet Works No. 1         50 days Site Object Site Acceptance Test for FLC System at Inlet Works No. 1         50 days Site Object Site Acceptance Test for FLC System at Inlet Works No. 1         50 days Site Object Site Acceptance Test for FLC System at Inlet Works No. 1         51 days Tue 22/08/23         Fit           2         Site Acceptance Test for FLC System at Inlet Works No. 1         51 days Tue 22/08/23         Fit           3         Site Acceptance Test for FLC System at Inlet Works No. 1         15 days Tue 22/08/23         Fit           3         Site Acceptance Test for FLC System At Inlet Works No. 1         15 days Tue 23/08/24         Fit           4         Site Acceptance Test for FLC System Site Merels No. 1         15 days Tue 23/08/24         Fit           5	14         Site Acceptance Tests - mechanical aspects including alignment and levels checks, lead         120 days Tue 25/04/23         Tue 22/08/23           14         Biestrical Installations for Inlet Works No. 1         300 days Ness 09/01/23         Site 64/11/23           1         Installation of V Switchboards, IWFB No. 1         300 days Ness 09/01/23         Site 64/11/23           2         Modification of IV Switchboards, IWFB No. 1 (Rev. 8)         30 days Ness 09/01/23         Tue 07/00/23           2         Modification of HV Switchboards, IMFB No. 1 (Rev. 8)         30 days Ness 09/01/23         Tue 07/00/23           3         Installation of PLC Panels, IW         45 days Ness 09/01/23         Site 00/01/23         Site 00/01/23           4         Installation of PLC Panels, IW         45 days Ness 09/01/23         Site 00/01/23         Site 00/01/23           5         Installation of US Switchboards, IW         0 days Ness 09/01/23         Firo/07/73         Site 00/01/23	14     Site Acceptance Tests - mechanical aspects including alignment and levels checks, lead     120 darys Tue 32/04/23     Tue 3	14     Site Acceptance Tests - mechanical aspects including alignment and hereis checks, lea     120 days Tue 22/04/23     Tue 22/04/23     137 days 319       14     Bite Acceptance Tests - mechanical aspects including alignment and hereis checks, lea     120 days Tue 22/04/23     Tue 22/04/23     137 days 319       15     Installation of I/U Switchboards, IW     50 days Man 09/01/23     136 days 3155:14 days     145       16     Installation of IVS Switchboards, IW     50 days Man 09/01/23     130 days 728     339       16     Installation of IVS Switchboards, IW     100 days Man 09/01/23     130 days 728     339       17     Installation of IVS Switchboards, IW     60 days Man 09/01/23     130 days 728     339       16     Installation of Cable trays and cable containments     90 days Man 09/01/23     140 days 738,536/738     40,43,541       16     Cable laying and terminations     90 days 740 07/07/23     Frid 07/07/23     10 days 738,536/7478     40,43,541       17     Energisation of IVS witchboards, IW     0 days 740 07/07/23     Frid 07/07/23     0 days 738,536/7478     40,43,541       18     Site Acceptance Tests - Bectrical aspects including voltage and current tests, equipment     120 days 73,63,047/723     Frid 07/07/23     170 days 73,83,04776,754       18     Configuration of IVC System, IW     65 days 73,0407/723     Frid 07/07/23     170 days 73,63,0477,754<

Status Date Sat 20/03/21

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	patnet				i Effluent Polishing P	oposed Work Programme Plant - Main Works Stage 1
as T	Task Name	Duration Start Finis between Task	th floa	at Time Predecessors	Successors	Resource Names
17.8.3.9.1	Mechanical Ventilation and Air Conditioning System, IW	Start and Finish 150 days Sun 26/03/23 Tue	22/08/23	30 days	355	MVAC - 8 x 4~6 men
17.83.9.2	Lighting and Power Distribution System, IW	180 days Sun 26/03/23 Thu	21/09/23	0 days	355	BS - A x 4"6 men
17.83.9.3	Plumbing Installation, IW	120 days Sun 26/03/23 Sun	23/07/23	60 days 1229	1231,355	Pb - A x 4*6 men
17.8.3.9.4	CCTV Installation (5 Indoor +5 outdoor Cameras), IW	90 days Mon 24/04/23 Sat	22/07/23	51 days 30555+150 day	\$ 355,1261	85 - 8 x 4~6 men
17.8.3.9.5	Fire Services Installation, IW	120 days Mon 24/04/23 Mo	n 21/08/21	31 days 30555+150 day	1182,1194,1195	5,35°F5 - A x 4~6 men
17.8.3.9.6	Earthing and Lightning Protection System, IW	60 days Wed 24/05/23 Sat		61 days 30555+180 day		BS - C x 2"4 men
17.83.9.7	Testing and Commissioning of Building Services Installations, IW	120 days Fri 22/09/23 Fri		12 days 349,350,351,35		85 - C x 2"4 men
18	Primary Sedimentation Tanks No. 1 * 4, Portion 8-3 (PS 682.2)	1371 days Wed 01/07/20 Mo		0 days		
		0 days Fri 30/10/20 Erl		0.days 391FF.392FE		
18.1	Planned Key Date Completion Date - KD1A, PST No. 1"4					
18.2	Planned Key Date Completion Date - KD18, PST No. 1"4	1 day Two 01/06/21 Two		O days 393FE		1000
18,3	Planned Sectional Completion Date - Section 1, PST No. 174	0 days Mon 12/07/21 Mo		0 days 396FF,395FF,35	MAR	
18.4	Planned Sectional Completion Date - Section 2, PST No. 1"4	0 days Mon 01/04/24 Mon		0 days 484FF		
18.5	Selection of Suppliers for major plant and materials for PST No. 1-4	230 days Wed 01/07/20 Mo		47 days		
18.5.1	PST - lamella plate settlers, C11, ref. EQT014	90 days Wed 01/07/20 Mo	m 28/05/21	0 days		
18.5.1.1	Submission for acceptance of purchasing package	30 days Wed 01/07/20 Thu	30/07/20	0 days	364	
18.5.1.2	Invitation of quotations for purchasing package	30 days Fri 31/07/20 Sat	29/08/20	0 days 363	365	
18.5.1.3	Acceptance of conforming quotation (Completed)	30 days Sun 30/08/20 Mo	in 28/09/20	0 days 364	394	
18.5.2	PST - reciprocating type bottom scrapers, C11, ref. EQT014	135 days Wed 01/07/20 Thu	12/11/20	0 days	-	-
18.5.2.1	Submission for acceptance of purchasing package	45 days Wed 01/07/20 Fri		0 days	368	
18.5.2.2	Invitation of guotations for purchasing package	60 days Sat 15/08/20 Tue		0 days 367	369	
18.5.2.3	Acceptance of conforming quotation (Completed)	30 days Wed 14/10/20 Thu		0 days 368	394	
		90 days Tue 07/07/20 Sun		181 days		
18.5.3	PST - surface scum skimmers, C11, ref. EQ7015	30 days Tue 07/07/20 Sun		0 days	372	
18.5.3.1	Submission for acceptance of purchasing package	30 days Tue 07/07/20 We 30 days Thu 06/08/20 Fri I		0 days 0 days 371	372	
18.5.3.2	Invitation of quotations for purchasing package			0 days 371 134 days 372	3/3	
18.5.3.3	Acceptance of conforming quotation	30 days Sat 05/09/20 Sun		Tradework a second	394	
18.5,4	PST - scum collector pipes, C11, ref. EQT015	210 days Wed 01/07/20 Tue		67 days	-	
18.5.4.1	Submission for acceptance of purchasing package	120 days Wed 01/07/20 We		0 days	376	
18.5.4.2	Invitation of quotations for purchasing package	60 days Thu 29/10/20 Sun		0 days 375	377	
18.5.4.3	Acceptance of conforming quotation	30 days Mon 28/12/20 Tue		20 days 376	394	
18.5.5	PST - piston type primary sludge pumps, C11, ref. EQT016	210 days Wed 01/07/20 Tue	26/01/21	0 days		
18.5.5.1	Submission for acceptance of purchasing package	120 days Wed 01/07/20 We	d 28/10/20	O days	380	
18.5.5.2	Invitation of quotations for purchasing package	60 days Thu 29/10/20 Sun	27/12/20	0 days 379	381	
18.5.5.3	Acceptance of conforming quotation (Completed)	30 days Mon 28/12/20 Tue	26/01/21	0 days 380	394	
18.5.6	PST - drain pumps, C11, ref. EQ1007	210 days Tue 14/07/20 Mo	n 08/02/2:	0 days		
18.5.6.1	Submission for acceptance of purchasing package	120 days Tue 14/07/20 Tue	10100	0 days	384	
18.5.6.2	Invitation of quotations for purchasing package	60 days Wed 11/11/20 Sat		O days 383	385	
18.5.6.3	Acceptance of conforming quotation (Completed)	30 days Sun 10/01/21 Mo		0 days 384	394	
		210 days Tue 21/07/20 Mo	00100m04	47 days	1.11	
18.5.7	PST - air blowers, C11, ref. EQT018	120 days Tue 21/07/20 Min		0 days	368	
18.5.7.1	Submission for acceptance of purchasing package					
18.5.7.2	Invitation of quotations for purchasing package	60 days Wed 18/11/20 Sat	CONFRONTING.	0 days 387	389	_
18.5.7.3	Acceptance of conforming quotation	30 days Sun 17/01/21 Mo		0 days 388	394	
.18.6	Design Submissions for PST No. 1 <sup>-4</sup>	335 days Sat 01/08/20 Fri 0		30 days	- June	
18.6.1	Electrical schematic drawings for PST No. 1 "4	60 days Sat 01/08/20 Tue	STORES .	0 days	357FF	
.18.6.2	CDS080-2 - Civil and dimensional requirements drawings for PST No. 1"4 up to +8.0 mPD	50 days Tue 01/09/20 Tue		0 days	35785	
18.5.3	CDS081-2 - Civil and dimensional requirements drawings for PST No. 1~4	150 days Tue 01/09/20 Thu	28/01/21	0 days	358FF	
18.6.4	CD5003 - Detailed Design for Primary Sedimentation Tanks No. 1"4	100 edays Mon 15/02/21 We	d 26/05/21	0.63 edays 365,369,373,37	7,3401,404,407,410	0,43
18.6.5	CDS022 - Detailed Design for Electrical Installations for PST No. 1"4	30 edays Sun 23/05/21 Tue	22/06/21	0.63 edays 72,82,90,185FF	73,435,359FF	
18.6.6	CDS034-2 - Detailed Design for Electrical Installations BS at PST No. 1"4	90 edays Fri 12/03/21 Thu	10/06/21 3	2.38 edays 133	477,359FF	
18.6.7	CDS025-2 - Detailed Design for LV Switchboards for PST No. 1"4	60 edays Mon 03/05/21 Fri 0		0.63 edays 68	431,359FF	
18.6.8	CDS050-2 - Detailed Design for Lifting Appliances - PST No. 1 ~ 4	150 edays Tue 01/09/20 Fri 1		0 edays 113	428,359FF	
	Manufacturing and Delivery of Plant & Materials	790 days Fri 29/01/21 We		253 days		
.18.7					-	
					403	
18.7.1.2	Shipping and Delivery of Plant to site				63) 453	
	Reciprocating Type Bottom Scrappers, EQT014					
18.7.2.1	Manufacturing and Factory Acceptance Test of Plant				405	
18.7.2.2	Shipping and Delivery of Plant to site	45 days Mon 13/02/23 We	d 29/03/23	16 days 404,43955-60 e	day 454	
.18.7.3	Surface Scum Skimmers, EQT015	672 days Thu 27/05/21 We	d 29/03/21	253 days		
Task	ak Project Summary I I Lat	citi	cal Split	Manual Prog	pen	Miletone (Actual) +
Alle			pest -	Slack (Fierd)		- Slack -
.18.7.2 .18.7.2.1 .18.7.2.2 .18.7.3		Reciprocating Type Bottom Scrappers, EQT014 Manufacturing and Factory Acceptance Test of Plant Shipping and Delivery of Plant to site Surface Scurn Skimmers, EQT015	Manufacturing and Factory Acceptance Test of Plant     300 days The 27/05/21 Twi       Shipping and Delivery of Plant to site     45 days Mon 31/02/23 We       Reciprocating Type Bottom Scrappers, EQT014     672 days The 27/05/21 Twi       Manufacturing and Factory Acceptance Test of Plant     300 days The 27/05/21 Twi       Shipping and Delivery of Plant to site     45 days Mon 13/02/23 We       Surface Scum Skimmers, EQT015     672 days The 27/05/21 We	Manufacturing and Factory Acceptance Test of Plant     300 days The 27/05/21     Tue 22/05/22       Shipping and Delivery of Plant to site     65 days Mon 31/02/23     Yve 23/03/21       Rackprocating Type Bottom Scrappers, EQ1014     672 days, The 27/05/21     Wei 23/03/21       Manufacturing and Factory Acceptance Test of Plant     500 days The 27/05/21     Wei 23/03/21       Shipping and Delivery of Plant to site     45 days Mon 31/02/23     Wei 23/03/21       Surface Sceam Skimmers, EQ1015     672 days, The 27/05/21     Wei 23/03/21	Manufacturing and Factory Acceptance Test of Plant     300 days The 22/05/21     The 22/05/22     327 days 394       Shipping and Delivery of Plant to site     45 days Mon 13/02/23     Wed 29/03/22     143 days 401,4395-60 e       Reciprocating Type Bottom Scrappers, EQT014     672 days The 22/05/21     The 22/05/21     168 days       Manufacturing and Factory Acceptance Test of Plant     300 days The 22/05/21     The 22/05/22     327 days 394       Shipping and Delivery of Plant to site     45 days Mon 11/02/23     Wed 29/03/22     327 days 394       Shipping and Delivery of Plant to site     592 days The 22/05/21     The 22/05/22     327 days 394       Surface Scum Skimmers, EQT015     592 days The 22/05/21     The 23/05/22     327 days 394	Manufacturing and Factory Acceptance Test of Plant         300 days The 27/05/21         Tue 22/05/22         327 days 394         402           Shipping and Delivery of Plant to site         45 days Mon 31/02/23         Wed 29/03/22         143 days 402,4355-60 edu,453           Reciprocating Type Bottom Scrappers, EQT014         672 days The 22/05/21         Wed 29/03/22         327 days 394         405           Shipping and Delivery of Plant to site         300 days The 22/05/21         Wed 29/03/22         327 days 394         405           Shipping and Delivery of Plant to site         300 days The 22/05/21         Wed 29/03/22         327 days 394         405           Shipping and Delivery of Plant to site         652 days Mon 13/02/13         Wed 29/03/22         327 days 394         405           Surface Scum Skimmers, EQT015         652 days Mon 13/02/13         Wed 29/03/22         32 days         404,4335560 edu, 454

10	1	arhong		for a la		a Efficient Polishing	Plant - Main Works Stage	for DE/2014/04 EBM Works for Servage Treatment Facilities
	WBS	Fask Name	Duration Start between Task Start and Finish	Finish	Sout Time Predecessors	Successors	Resource Names	2020         2021         2022         2023         2023         1001 2 2021 <th< th=""></th<>
07 4	075.18.7.3.1	Manufacturing and Factory Acceptance Test of Plant	300 days Thu 27/05/21	Tue 22/03/22	327 days 394	408	_	
08 4	08 5.18.7.3.2	Shipping and Delivery of Plant to site	45 days Mon 13/02/2	3 Wed 29/03/21	203 days 407,43955-60	eday 455		
09 4	09 5.18.7.4	Surface Scum Collection Pipes, EQT015	672 days Thu 27/05/2	1 Wed 29/03/21	253 days			
0 4	10 5.18.7.4.1	Manufacturing and Factory Acceptance Test of Plant	300 days Thu 27/05/21	Tue 22/03/22	327 days 394	411		
1 4	115.18.7.4.2	Shipping and Delivery of Plant to site	45 days Mon 13/02/2	3 Wed 29/03/21	203 days 410,43955-60	eda) 456		
2 4	12 5.18.7.5	Piston Type Primary Sludge Pumps, EQT016	672 days Thu 27/05/2	1 Wed 29/03/21	133 days			
-	135.18.7.5.1	Manufacturing and Factory Acceptance Test of Plant	300 days Thu 27/05/21	Tue 22/03/22	327 days 394	414		
	145.18.7.5.2	Shipping and Delivery of Plant to site	45 days Mon 13/02/2		105 days 413,43955-60	da 457		
	15 5.18.7.6	Drain Pumps, EQ1007	672 days Thu 27/05/2					
						417		
	16 5.18.7.6.1	Manufacturing and Factory Acceptance Test of Plant	300 days Thu 27/05/21		327 days 394			
	175.18.7.6.2	Shipping and Delivery of Plant to site	45 days Mon 13/02/2			iday 458		
	18 5.18.7.7	Air Blower, EQT018	672 days Thu 27/05/2.		393 days			
	19 5.18.7.7.1	Manufacturing and Factory Acceptance Test of Plant	300 days Thu 27/05/21		327 days 394	420		
	20 5.18.7.7.2	Shipping and Delivery of Plant to site	45 days Mon 13/02/2		166 days 419,43955-60	ida, 459		
1 4	21 5.18.7.8	Stoplogs and Penstocks, EQT013	672 days Thu 27/05/2	1 Wed 29/03/21	43 days			
2 4	22 5.18.7.8.1	Manufacturing and Factory Acceptance Test of Plant	240 days Thu 27/05/21	Fri 21/01/22	387 days 394	423		
	23 5.18.7.8.2	Shipping and Delivery of Plant to site	45 days Mon 13/02/2	3 Wed 29/03/25	16 days 43955-60 eday	42451	1	
4 4	24 5.18.7.9	Valves, EQT035	672 days Thu 27/05/2	1 Wed 29/03/21	43 days	CARACTER		
21	255.18.7.9.1	Manufacturing and Factory Acceptance Test of Plant	240 days Thu 27/05/21		387 days 394	426		
1	265.18.7.9.2	Shipping and Delivery of Plant to site	45 days Mon 13/02/2		16 days 425,43955-60 e	1000		
-	27 5.18.7.10	Lifting Appliances	790 days fri 29/01/21	A CONTRACTOR OF	66 days		-	
	27 5.18.7.10	Lifting Appliances Manufacturing and Factory Acceptance Test of Plant	210 days fri 29/01/21	1222320000000	535 days 398	429		
104.00	28 5.18,7.10.1		45 days Mon 13/02/2	1000 1000 AVA 1000 AVA	535 days 398	1000		
	C C C C C C C C C C C C C C C C C C C	Shipping and Delivery of Plant to site		0.00000000000	States and states and	da) 442		
	80 5.18.7.11	LV Switchboards	635 days Sat 03/07/21		53 days			
18	31 5.18.7.11.1	PST - Manufacturing of Plant	300 days Sat 03/07/21		0 days 397	432		
12 4	32 5.18.7.11.2	PST - Factory Acceptance Test of Plant (to be witnessed by PM)	90 days Fri 29/04/22		200 days 431	433		
3 4	33 5.18.7.11.3	PST - Shipping and Delivery of Plant to site	45 days Mon 13/02/2	3 Wed 29/03/21	16 days 432,43955-60 e	day 464		
4 4	34 5.18.7.12	PLC System	645 days Wed 23/06/7	11 Wed 25/03/21	53 days			
15 4	35 5.18.7.12.1	Manufacturing of Plant, PLC for PST	300 days Wed 23/06/2	1 Mon 18/04/22	0 days 395	436		
16 4	365.18.7.12.2	Factory Acceptance Test of Plant, PLC for PST (To be witnessed by PM)	60 days Tue 19/04/22	Fri 17/06/22	240 days 435	437		
	37 5.18.7.12.3	Shipping and Delivery of Plant to site	45 days Mon 13/02/2	3 Wed 29/03/21	16 days 436,43955-60 e	das 465		
	38 5.18.8	Site Installation Work	298 days Fri 14/04/23		0 days	1		
	193.18.8.1	Tentative Civil Handover Date, Portion B-3, PST No. 1"4 (Rev. 5)	1 day Fri 14/04/23	and the second	0 days	442,477F5+90 d	laire -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
- 12	405.18.8.2	Commencement of EBM Installation at PST No. 1*4	297 days 5at 15/04/23		O days 419		403	
	415.18.8.2.1	Provision of Temporary Water Supply, Electricity Supply, Lighting Welfare facilities etc.,	30 days Sat 15/04/23		0 days 439			
	415.18.8.2.1		127 days Sat 15/04/23		50 days 439,429			
		Installation of Lifting Appliances at PST No. 1"4	and a second sec	and the second second	and the second			
	435.18.8.2.2.1	Basement EOT Crane IA-02-01 SWL 10t	30 days Sat 15/04/23		0 days	444,445,449	LA - A x 4*6 men	
	44 5.18.8.2.2.2	Coping Level EOT Crane LA-02-02 SWL 5t	30 days Mon 15/05/2		60 days 443	449	LA - A x 4~6 men	
	455.18.8.2.2.3	Coping Level EOT Crane LA-02-03 SWL St	30 days Mon 15/05/2		0 days 443	446,447,449	LA - 8 x 4~6 men	
	465.18.8.2.2.4	Coping Level EOT Crane LA-02-04 SWL St	30 days Wed 14/06/2		30 days 445	449	LA - Ax 4*6 men	
- I - I	475.18.8.2.2.5	Coping Level EOT Crane LA-02-05 SWL St	30 days Wed 14/06/2		0 days 445	448,449	LA - 8 x 4~6 men	
18 4	485.18.8.2.2.6	Coping Level EOT Crane IA-02-06 SWL 21	30 days Fri 14/07/23	Sat 12/08/23	0 days 447	449	LA - Ax 4~6 men	
19 4	495.18.8.2.2.7	T&C, Loading Test for Lifting Appliances at PST No. 1-4	7 days Sun 13/08/23	Sat 19/08/23	0 days 443,444,445,44	6,4453	LA - Ax 4-6 men	
	50 5.18.8.2.3	Mechanical Installations at PST No. 1"4	240 days Sat 15/04/23	and the second second	20 days	474	10.502.05 (09.874)	
	51 5.18.8.2.3.1	installation of penstocks and stoplogs (Penstock 18nos, Stoplogs 14 nos), EQT013	90 days Sat 15/04/23		0 days 423	457,462	ME - Ex 4~6 men	
10122	525.18.8.2.3.2	installation of pipework and valves, EQ1036	240 days Sat 15/04/23	1.	27 days 426		ME-Bx4~6men	
24.22	535.18.8.2.3.3	Installation of pipework and valves, EQUUSe Installation of lamella plate settlers (x4), EQT014	60 days Sun 20/08/23	L DANG R - POST	0 days 454,449,402	455,455	ME - A x 4"6 men	
	- 10 Call - 10 Call		30 days Sat 15/04/23		0 days 454,449,402 97 days 405	453	A DALLES AND THE TOP OF THE	
S 12	545.18.8.2.3.4	Installation of reciprocating type bottom scrapers (x4), EQT014				453	ME - A x 4~6 men	
	55 5.18.8.2.3.5	Installation of surface scum skimmers (x1), EQT015	30 days Thu 19/10/23	1.0000000000000000000000000000000000000	50 days 453,408		ME - A x 4~6 men	
101	56 5.18.8.2.3.6	Installation of scum collector pipes (x1), EQT015	30 days Thu 19/10/23		50 days 453,411		ME - 8 x 4~6 men	
7 4	57,5.18.8.2.3.7	Installation of piston type primary sludge pumps (x3), EQT016	30 days Fri 14/07/23		0 days 451,414	458	ME - Cx 4~6 men	
. 4	58 5.18.8.2.3.8	Installation of drain pumps (x1), EQT007	30 days Sun 13/08/23	Mon 11/09/23	0 days 457,417	459	ME - Cx 4*6 men	
	595.18.8.2.3.9	Installation of air blowers (x2), EQT018	30 days Tue 12/09/23	Wed 11/10/25	0 days 458,420	450	ME - Cx 4*6 men	
	605.18.8.2.3.10	Installation of instrumentations, EQT035-1	60 days Thu 12/10/23	Sun 10/12/23	27 days 459,52	**	ME - Cx 4*6 men	
1 4	61 5.18.8.2 3.11	Installation of Platforms, Covers etc., PST, EQT050	60 days Thu 21/09/23	Sun 19/11/23	48 days		ME - Fx 4~6 men	
	625.18.8.2.3.12	Site Acceptance Tests - mechanical aspects including alignment and levels checks, leal	150 days Fri 14/07/23		27 days 451		ME - D x 2"4 men	
	63 5.18.8.2.4	Electrical Installations for PST No. 1"4	260 days Set 15/04/23		0 days 439	474	and the second	
	64 5.18.8.2.4.1	installation of LV Switchboards, PST	60 days Sat 15/04/23		30 days 433	467	LV - Ax 4~6 men	
		installation of LV Switchboards, PST	eu eays sat 15/04/23	·ne 73/06/53	30 0875 433	401	LY - AX 4"5 men	

Drainage Service	sea Cogasiment				Effluent Polishing Pla	osed Work Programme f int - Main Works Stage 1	EBM Works for Severage Treatment Pacifities
ID W85	Task Name	Duration Start between Task	Finish	Float Time Fredecessors	Successors	Resource Names	2020 2021 2022 2020 2021 2022 2020 2021 2022 2020 2021 2022 2020 2
5 465 5.18.8.2.4	A.2 Installation of PLC Panel, PST	Start and Fielsh 60 days Sat 15/04/2	Tue 13/06/23	30 days 437	467		
465 5.18.8.2.4		90 days Sat 15/04/2		0 days	467		
467 5.18.8.2.4		90 days Fri 14/07/23		D days 464,465,466	469FS-30 days,472	2/	
467 5.18.8.2.4		1 day Thu 20/07/2			469FF+30 days		
4695.18.8.2.4		1 day Tue 12/09/2	Tue 12/09/23		68 474	LV - Ax4*6 men	
4695.18.8.2.4		and the second se		2 days 467	345	LV - Ax4"6 men	
		60 days Thu 12/10/	a second second				
471 5.18.8.2.5				0 days 467	473	PLC-8x1man	
472 5.18.8.2.5.		45 days Thu 12/10/2	E 201025275	A DESCRIPTION OF A DESC	110-	PLC-UKI man	
4735.18.8.2.5.		15 days Sun 26/11/2	-		475FF,1262		
474 5.18.8.2.6	.6 Site Acceptance Test for E&M Equip and Instrumentations calibrations at P				475		
5 475 5.18.8.2.7	7 System Commissioning for E&M Equip at PST No, 1"4	15 days Mon 15/01/	3107-24-24		476		PST Rick ET
476 5.18.8.2.8	a Risk Allowances for Completion of Processing Plant at PST No. 1"4	7 edays Mon 29/01/	Service and the service		1258		
477 5.18,8.2.9	.9 Building Services Installations for PST No. 1"4	150 days Fri 14/07/2	Sun 10/12/23	2 days 439F5+90 days,	39(		
4785.18.8.2.9	9.1 Mechanical Ventilation and Air Conditioning System, PST	90 days Fri 14/07/2	Wed 11/10/2	0 days	484	MVAC-Bx4~6 men	
4795.18.8.2.9	.9.2 Lighting and Power Distribution System, PST	90 days Fri 14/07/2	Wed 11/10/2	0 days	484	85 - A x 4~6 men	
480 5.18.8.2.9		80 days Fri 14/07/21	Sun 01/10/23	0 days 1229	1231,484	Pb-Bx4~6 men	
1 481 5.18.8.2.9		60 days Fri 14/07/2	Mon 11/09/21	0 days 439FS+60 days	484,1261	85 - 8 x 4~6 men	
2 482 5.18.8.2.9		85 days Fri 14/07/2		0 days		18-FS - Ax 4~6 men	
2 4825.18.8.2.9 3 4835.18.8.2.9		90 days Tri 14/07/2			484	B5 - Cx 2~4 men	
		60 days Thu 12/10/2		and the second second	1.4360FF	B5 - Cx 2~4 men	
4 484 5.18.8.2.9							
485 5.19	Bioreactors No. 2A & 2B, Portion 8-4 (PS 682.4)	1326 days Sat 15/08/2					KDIA, UK @, 30/10
4865.19.1	Planned Key Date Completion Date - KD1A, BR ZA & 28	<u>0 dans fri 30/10/20</u>		Q.days SZOFF. SZIFF			KOIN, BY SAULY KIN, SUIPS
487 5.19.2	Planned Key Date Completion Date - KD18, 8R 2A & 28	Q.days Tue 01/06/		Q.days S22EE	1		-12/07
4885.19.3	Planned Sectional Completion Date - Section 1, BR ZA & 28	0 days Mon 12/07/	11.		54		■ 120×
489 5.19.4	Planned Sectional Completion Date - Section 2, BR 2A & 28	0 days Mon 01/04/	24 Mon 01/04/24	0 days 395FF,594FF		1	
490 5.19.5	Selection of Suppliers for major plant and materials for BR ZA & 28	193 days Tue 01/09/	0 Fri 12/03/21	6 days			
1 491 5.19.5.1	BR - pre-treatment fine screens (Marking Scheme Approach), EQT019	150 days Tue 01/09/	0 Thu 28/01/21	0 days			
2 492 5.19.5.1.1	.1 Submission for acceptance of purchasing package	60 days Tue 01/09/2	0 Fri 30/10/20	0 days	493		
3 4935.19.5.1.2	.2 Invitation of quotations for purchasing package	60 days Sat 31/10/2	Tue 29/12/20	0 days 492	494		
4 494 5.19.5.1.3		30 days Wed 30/12/	20 Thu 28/01/21	0 days 493	523		
5 495 5.19.5.2		180 days Tue 01/09/	0 Sat 27/02/21	19 days			
6 4965.19.5.2.1			1 C C C C C C C C C C C C C C C C C C C		497		
		60 days Mon 30/11/			458		
		30 days Fri 29/01/2		13 days 497	523		
4985.19.5.2.3		150 days Tue 01/09/	Contraction of the second	and the second sec			
9 4995.19.5.3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 days	501		
0 5005.19.5.3.1		60 days Tue 01/09/2	and a second second				
1 5015.19.5.3.2		60 days Sat 31/10/2	1008-21000-4		502		
2 502 5.19.5.3.3	1.3 Acceptance of conforming quotation (Completed)	30 days Wed 30/12/	Company Restored		523		
3 503 5.19.5.4	BR - mixed liquor return pumps, C11, EQTOOB	150 days Mon 14/09					
4 504 5.19.5.4.1	1.1 Submission for acceptance of purchasing package	60 days Mon 14/09/	20 Thu 12/11/20	0 days	505		
5 505 5.19.5.4.2	1.2 Invitation of quotations for purchasing package	60 days Fri 13/11/20	Mon 11/01/2	0 days 504	506		
6 505 5.19.5.4.3	1.3 Acceptance of conforming quotation (Completed)	30 days Tue 12/01/.	1 Wed 10/02/2	0 days 505	523		
507 5.19.5.5	5 BR - scum removal systems, C11, EQT021, EQT022.	150 days Mon 14/09	20 Wed 10/02/2	36 days			
B 508 5.19.5.5.1		60 days Mon 14/09/	20 Thu 12/11/20	0 days	509		
9 509 5.19.5.5.2		60 days Fri 13/11/2	Mon 11/01/2	0 days 508	510		
0 5105.19.5.3		30 days Tue 12/01/	1 Wed 10/02/2	30 days 509	523		
5115.19.5.6		180 days Mon 14/09		6 days			
12 512 5.19.5.6.1				0 days	513	-	
		60 days Sun 13/12/2			514		
3 5135.19.5.6.2		30 days Thu 11/02/		O days 513	523		
4 5145.195.63							
5 515 5.19.5.7		150 days Thu 01/10/		19 days			
6 516 5.19.5.7.1		60 days Thu 01/10/.			517		
5175.19.5.7.2	7.2 Invitation of quotations for purchasing package	60 days Mon 30/11/	20 Thu 28/01/21	0 days 516	518		
18 518 5.19.5.7.3	7.3 Acceptance of conforming quotation	30 days Fri 29/01/2			523		
9 5195.19.6	Design Submissions for BR ZA & 28	330 days Sat 15/08/2	0 Sat 10/07/21	2 days			
520 5.19.6.1	Electrical schematic drawings for BR No. 2A & 28	60 days Sat 15/08/2	Tue 13/10/20	17 days	486FF		
521 5.19.6.2	2 CD5080-3 - Civil and dimensional requirements drawings for BR 2A&28 up to +	8.0 mPD 55 days Tue 01/09/2	0 Sun 25/10/20	0 days	486FF		
522 5.19.5.3		210 days Fri 28/08/2	Thu 25/03/21	68 days	487FF		
a la			-		-	-	
25	Test Project Summary I	I tate	Critical Split	····· Manual Prog		- Miestere (ichus) +	
Bastaliza	Allestane Testaline Ø Summary Manual Summary	Oritical E	Progress	Slack (Float)	-	- Stek -	
oject DE/2018/04							

	Prainaga Bervices					i Effluent Polishing Pla		1 E&M Works for Sewage Treatment Facilities
NUM         Object State Sta	10 W85	Task Name	between Task	Finish	Float Time Predecessors	Successora	Resource Names	2000 2012 2012 2012 2012 2012 2012 2012
n         000000000000000000000000000000000000	3 523 5.19.6.4	CDS004 - Detailed Design for Bioreactor 2A and 28		Sat 10/07/21	0.63 edays 494,498,502,50	6,5 530,533,536,539,	.54	<u> </u>
NUM         000000 - houdingson biodingson bioding bio			30 edays Sun 23/05/21	1 Tue 22/06/21	0.63 edays 72,82,90,185FF	73,488FF,697		
N 1000000000000000000000000000000000000	The local grant was a set of the		100 edays Fri 12/03/21	Sun 20/06/21	22.38 edays 133	589,488FF,590		
Num     Component and set of programmer of the programe of the programmer of the programmer of the programmer of	100000000000				0.63 edays 68	683,488FF		
No.10     Making and Kanna (Mark Mark Mark Mark Mark Mark Mark Mark	a service reason		120 edays Thu 01/10/20	0 Fri 29/01/21	0 edays 113	557,488/F		
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1       Marken Mar								
<ul> <li>             MADDB</li>             MADDB             MADDB</ul>						da1574		
1     1 <td>\$35 5.19.7.3</td> <td>Submersible Mixer, EQT020</td> <td></td> <td></td> <td></td> <td></td> <td></td> <th></th>	\$35 5.19.7.3	Submersible Mixer, EQT020						
1000000000000000000000000000000000000	536 5.19.7.3.1	Manufacturing and Factory Acceptance Test of Plant	240 days Sun 11/07/21	1 Mon 07/03/22	292 days 523	537		
1000000000000000000000000000000000000	537 5.19.7.3.2	Shipping and Delivery of Plant to site	45 days Sun 25/12/22	2 Tue 07/02/23	44 days 536,56055-60 e	day 575		
1000000000000000000000000000000000000	538 5.19.7.4	Mixed Liquor Return Pumps, EQT008	577 days Sun 11/07/21	1 Tue 07/02/23	228 days			
1000000000000000000000000000000000000	539 5.19.7.4.1		240 days Sun 11/07/21	1 Mon 07/03/25	292 days 523	540		
111.333       Maximum (2004) (2004)       10700000000000000000000000000000000000	and the second		45 days Sun 25/12/22	2 Tue 07/02/23	16 days 539,56055-60 e	day 576		
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1       No.4000. Monorphile       91 material								
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1993/200       Subject Additional Control Prior Nations (1997/1990)       Materian National Subject Additional Control Prior National Subject Additional Subject Additinal Subject Additional Subject Additional Subject Addi	A DOUT DESCRIPTION				14100 0000			
1         1	Control #107230.100	Manufacturing and Factory Acceptance Test of Plant		0.0022000260				
1       MaxAmedianty and intrasphate productions of large MaxAmedian and and and and and and and and and a	549 5.19.7.7.2	Shipping and Delivery of Plant to site	45 days Sun 25/12/22	2 Tue 07/02/23	166 days 548,56055-60 e	day 579		
1         Skiping and badren of fruits name         4 Arry 184,0000         Marting Skiping And Ski	550 5.19.7.8	Stoplogs and Penstocks, EQT013	577 days Sun 11/07/21	1 Tue 07/02/23	33 days			
1       1000000000000000000000000000000000000	1 551 5.19,7.8.1	Manufacturing and Factory Acceptance Test of Plant	240 days Son 11/07/21	1 Mon 07/03/22	292 days 523	552		
1         Statu         St	552 5.19.7.8.2	Shipping and Delivery of Plant to site	45 days Sun 25/12/22	Tue 07/02/23	16 days 551,56055-60 e	day 571		
1         35.32.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.	3 553 5.19.7.9	Valves, EQT036	577 days Son 11/07/21	1 Tue 07/02/23	93 days			
9         9	4 554 5.19.7.9.1	Manufacturing and Factory Acceptance Test of Plant	240 days Sun 11/07/21	1 Mon 07/03/22	292 days 523	555		
	5 555 5.19.7.9.2	Shipping and Delivery of Plant to site	45 days San 25/12/22	Tue 07/02/23	16 days 554,56055-60 e	day 572		
2         51,332,31         Manufacturing and Factory Acceptance Text of Plant         210 40(7):37(3):2015         548 (1):2015         548			740 days Fri 29/01/21	Tue 07/02/23	101 days			
1         95 05,12.01         95 05,02.02         10 070,02.01						558		
2       394 https://doi.org/10.1000/000000000000000000000000000000						dan 564		
10         0.5.13.1         Tratifie Cold Handware Cold, Parties 8.4, 832.4, 23 (Per. 5)         142 (Par. 2002)         No.2 1/2 (2)         0.4 0/2         No.2 1/2 (2)         No.2 1/2 (2)         0.4 0/2         No.2 1/2 (2)								
131.31       Testshe Ciri Mandorez Date, VI calada dara pitz fram.MR2 to BBZ       1 dary.Nr04(0047)       0 dary.								
20       24       245							1	
10         55:51.8.1.1         Providen of Temperary Water Supply, Lipticity, Wallers factification:         7 497/14 240/21         10 492/502         9 497/500           10         55:55.8.1.2.1         Installation of Uling Appliances at R2 A& 28         10 4941/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 4947/1240/21         10 497/1240/21 <td></td> <td></td> <td></td> <td>and the second second</td> <td></td> <td>58477+30 6975</td> <td>-</td> <th></th>				and the second second		58477+30 6975	-	
S4 S13.1.1         Installation of Liftleg Appliances at B8.2.A.2.B         Of dary frid 240/27         Mon U/b/2         Of dary 506,554         Image: Complex Level CIT Crane LA-03-01 SWL St         D dary frid 240/27         S do dary 506,554         Image: Complex Level CIT Crane LA-03-02 SWL St         D dary 506,554         Image: Complex Level CIT Crane LA-03-02 SWL St         D dary 506,556         Image: Complex Level CIT Crane LA-03-02 SWL St         D dary 506,556         S do dary 506,556         Image: Complex Level CIT Crane LA-03-02 SWL St         D dary 506,556         S dary 506,556         Image: Complex Level CIT Crane LA-03-03 SWL St         D dary 506,556,556         S dary 506,556         Image: Complex Level CIT Crane LA-03-02 SWL St         D dary 506,556,556         S dary 506,556         S dary 506,557,556         S dary 506,556         S dary 506,557,556         S dary 506,556,556         S dary 506,556         S dary 506	The second s						115-110-211	
95 \$1.3.1.1         Coping Level (DT Crue IA-03 13 WL 51         90 days/f4 24/02/12         91 days/f4 24/02/12         92 days/f4 24/02								
55.13.3.2.2         Goping Level EOT Crane LA-03-02 SWL 5:         39 deriv ff 24/02/23         52/03/23         Max-24/02/2         64/07 SS5.556         59         IA - 8.4 4 6 man           1         595.13.8.3.1.2         Goping Level EOT Crane LA-03-03 SWL 5:         30 dery SS5.556         59         IA - 8.4 4 6 man           585.13.8.3.1.2         Goping Level EOT Crane LA-03-03 SWL 5:         30 dery SS5.556         59         IA - 8.4 4 6 man           585.13.8.3.1.2         Goping Level EOT Crane LA-03-03 SWL 5:         749 SN 28.20/02/13         20 dery S55.556         59         IA - 8.4 4 6 man           595.13.8.3.1.2         Goping Level EM Fold Full Poplances at Bioescetor No. 2A.8 28         726 dery M12/02/22         10 dery S55.556         59         IA - 8.4 4 6 man           1975.158.3.3.1         Installation of pertock and stopless (Pomtocks Bon, Stoplega Bond, EOTID)         90 dery M12/02/22         10 dery S55.         590         ME - 8.4 6 man           1975.158.3.3.1         Installation of pertock and stopless (Pomtocks Bond, Stoplega Bond, EOTID)         90 dery M12/02/22         10 dery S55.55         597         ME - 8.4 6 man           1975.158.3.3.1         Installation of pertock and stopless (Pomtocks Bond, Stoplega Bond, EOTID)         90 dery M12/02/22         10 dery S55.55         597         ME - 8.4 6 man           1975.158.3.3.1         Installation of procenchamed Stop					and the second s			
2       573:58.8.13.2       Coping Level ROT Crane (A-03-03 SWL 5:       30 dary Sub 2/20/23       Mon 2/0/2/2       0 dary Sub 5:56       569       A - A & 4 Te men         3       585:58.8.12.4       Coping Level Mobile A-frame (A-03-04 SWL 4:       7 dary Sub 2/20/23       Sub 2/9/23       S								
Sex 518.8.1.2.4         Coping Level Mobile A-frame (A-Q3-04 SWL 4t)         7 days Sex 5400/203         Set 518.8.2.3         Coping Level Mobile A-frame (A-Q3-04 SWL 4t)         7 days Twe 25(0/1/2)         20 days 565,566,567,568         54         A - 8 A 4 6 men           5 555.58.8.1.3         Mechanical Installation of price with divelap at 88 2A & 2.8         270 days 162.40/2/23         Men 20/10/2         10 days 565         56         A - 8 A 4 6 men           5 755.58.8.1.3         Mechanical Installation of pricewith and values, £(10)         270 days 162.40/202         Wea 20/10/2         10 days 565         56         A - 8 A 4 6 men           5 755.58.8.1.3         Installation of pricewith and values, £(10)         39 days 162.40/202         Wea 20/10/2         10 days 565         56         M - 4 K 4 6 men           5 755.58.8.1.3         Installation of pricewith and values, £(10)         30 days 162.40/202         10 days 565.55         57         M - 4 K 4 6 men           5 755.58.8.1.3         Installation of pricewith and values, £(2), £(10127         30 days 162.40/202         362.40/507.554         57         M - 4 K 4 6 men           5 755.58.8.1.3.4         Installation of submersible mikers (10.6), £(10202         30 days 162.40/202         362.40/507.554         57         M - 4 K 4 6 men           5 755.58.8.1.3.5         Installation of submersible mikers (10.6), £(10203         30 days 162.40/202 <td>566 5.19.8.3.2</td> <td>2 Coping Level EOT Crane LA-03-02 SWL 5t</td> <td></td> <td></td> <td></td> <td>567,568,569</td> <td>LA - 8 x 4*6 men</td> <th></th>	566 5.19.8.3.2	2 Coping Level EOT Crane LA-03-02 SWL 5t				567,568,569	LA - 8 x 4*6 men	
595,19,31,23       T&C, Loading Test for Lifting Applances at Bioresctor No. 2A & 2B       7 days Tes 25(0/2)       Mon 20/15/2;       0 days 565,556,557,568       574       A - B A 4 * 6 men         595,19,31,31.3       Metchanical Installations for E&M Equip at BR 2A & 2B       270 days fol 24/02/2;       Mon 20/11/2;       10 days 560       584         575,19,31,31.3       Installation of permotecks and stoplogic (Penstocks Bioor, Stoplogic Binos), EQITO13       90 days fol 24/02/2;       Mole 20/11/2;       10 days 550       580       M.E - E A + 6 men         575,19,31,32.3       Installation of pipervork and valves, EQITO36       120 days fol 24/02/2;       10 days 550       597       M.E - E A + 6 men         575,19,31,33       Installation of picervork and valves, EQITO37       90 days fol 24/02/2;       10 days 550       597       M.E - E A + 6 men         575,15,83,31,3       Installation of stomerskie mikers (xli), EQITO37       90 days fol 24/02/2;       10 days 550,597,598       576       M.E - B X + 6 men         575,15,83,31,3       Installation of stomerskie mikers (xli), EQITO37       90 days fol 24/02/2;       10	567 5.19.8.3.2	3 Coping Level EOT Crane LA-03-03 SWL 5t	30 days Sun 26/03/23	Mon 24/04/21	0 days 565,566	569	LA - A x 4"6 men	
5705.15.8.3.3       Mechanical installations for E&M Equip at BR 2A & 2B       270 days fid 24/02/12       10 days 160       586         15715.15.8.3.3.1       Installation of premtocks and stoplogs (Penstocks Banos, Stoplogs Banos), EQT013       90 days 162 24/05/2       0 days 552       540       MC - E x 6+6 man         15725.15.8.3.3.2       Installation of pretwork nut valves, EQT036       130 days fit 24/02/23       mu 20/07/23       0 days 555       579       MC - E x 6+6 man         15725.15.8.3.3.2       Installation of pretwork nut valves, EQT036       30 days fit 24/02/23       mu 20/07/23       0 days 550       579       MC - E x 6+6 man         15725.15.8.3.3.2       Installation of pretwork nut valves, EQT036       30 days fit 24/00/23       mu 20/07/23       0 days 550       579       MC - E x 6+6 man         15755.18.3.3.1       Installation of system fit 24/07/20       30 days fit 24/00/23       10 days 570       575       MC - E x 6+6 man         15755.18.3.3.2       Installation of system fit 24/07/20       30 days fit 24/02/21       30 days 570       586       MC - E x 6+6 man         15755.18.3.3.4       Installation of system fit 24/07/20       30 days fit 24/00/21       30 days fit 24/07/21       30 days f	568 5.19.8.3.2	A Coping Level Mobile A-frame LA-03-04 SWL 4t	7 days Sun 26/03/23	5at 01/04/23	23 days 565,566	569	LA - 8 x 4~6 men	
571 X 18 A 3.1.1       Installation of persocks and stoplogs (Perstocks and stoplogs (Perstopks	569 5.19.8.3.2	5 T&C, Loading Test for Lifting Appliances at Bioreactor No. 2A & 28	7 days Tue 25/04/23	Mon 01/05/23	0 days \$65,566,567,56	8 574	LA - 8 x 4-6 men	
1       573 15,19,3,3,3.1       Installation of perstocks and stoplogs (Penstocks (Pen	10 10 10 10 10 10 10 10 10 10 10 10 10 1		270 days Fri 24/02/23	Mon 20/11/21	10 days 560	586	and the canal	
1       2723.58.8.8.3.2       Installation of pipework and valves, EQ036       150 days fré 24/02/3       Sin 23/07/23       0. days 555.5       379       ML-C & 4 = 6 men         1       573.58.8.8.3.3       Installation of pre treatment file screens (s4)       28 days fri 24/02/23       Sin 23/07/23       0. days 565.554       375       ML-C & 4 = 6 men         1       573.58.8.8.3.3       Installation of submersible misers (s10,16, EQ1020       30 days fri 24/02/23       Sin 30/07/23       0. days 565.554       376       ML-C & 4 = 6 men         1       575.58.8.8.3.6       Installation of submersible misers (s10,16, EQ1020       30 days fri 24/02/23       Siz 24/95.573.53.57       SiG       ML-C & 4 = 6 men         1       575.58.8.8.3.6       Installation of submersible misers (s10,16, EQ1020       30 days fri 24/02/23       Siz 24/95.737.537       SiG       ML-E & 4 = 6 men         1       575.58.8.3.8.8       Installation of submersible misers (s10,16, EQ10202       Siz 24/95.737.537       SiG       ML-E & 4 = 6 men         1       575.58.8.3.8.8       Installation of submersible misers (s10,16, EQ10202       Siz 34/95.755.548       SiG       ML-E & 4 = 6 men         1       575.58.8.3.8.8       Installation of fubrumentations, IC01052-2       Siz 34/95.755.548       SiG       ML-E & 2 = 4 men         1       575.58.3.8.8.8 <t< td=""><td>(4) 10 (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3</td><td></td><td></td><td></td><td></td><td>580</td><td>ME-Ex4"6 men</td><th></th></t<>	(4) 10 (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3					580	ME-Ex4"6 men	
1       5735 19.8.8.3.3       Installation of pre-treatment fline screens (x4)       28 dep fri 24/02/2       The 23/03/23       0 dep (x51)       575       Mit - A x 4~6 men         1       5745 19.8.8.3.4       Installation of al diffusion system (x2), EQ1017       90 deps (x12/00/22)       586       Mit - 0 x 2~4 men         1       5755 19.8.8.3.5       Installation of submersible misers (u16), EQ1020       90 deps (x12/00/22)       582 dep (53/03/23)       0 dep (x50/03/23)       Mit - 0 x 2~4 men         2       5755 19.8.8.3.6       Installation of submersible misers (u16), EQ1020       90 deps (x12/00/22)       582 dep (53/03/23)       0 dep (x50/03/23)       Mit - 0 x 2~4 men         2       5755 19.8.8.3.7       Installation of nixed liquor return pumps (x6), EQ1009       30 dep (x12/00/22)       582 dep (53/03/23)       0 dep (x50/03/23)       Mit - 0 x 2~4 men         2       5755 19.8.8.3.7       Installation of nixed liquor return pumps (x6), EQ1009       30 dep (x70/03/2)       200 dep (53/03/23)       Mit - 0 x 2~4 men         2       5755 19.8.8.3.7       Installation of nixel mixer (x04, EQ10392       45 dep (x00/13)       100/07/23       200 dep (53/03/23)       Mit - 0 x 2~4 men         2       5755 19.8.3.8.3       Installation of nixermontal supects including alignment and levels checks, isa       100 dep (73/03/23)       70 dep (73/75/24)       56       Mit - 0 x 2								
4       5745,138,33.4       Installation of air diffusion system (x2), EQ1017       90 days fiele 02/05/23       500 days 569,534       578       ME - 0 x 2-4 men         5       5755,138,33.5       Installation of sourcerskile mikers (x16), EQ1020       90 days fiel 24/03/23       66 days 559,534       578       ME - 0 x 2-4 men         6       5755,138,33.5       Installation of sourcerskile mikers (x16), EQ1020       30 days fiel 24/03/23       66 days 559,533       586       ME - 0 x 2-4 men         7       5755,138,33.5       Installation of mixed liquor return pumps (x6), EQ1003       30 days fiel 24/03/23       62 days 550,534       586       ME - 0 x 2-4 men         7       5755,138,33.7       Installation of sourcers (x4), EQ1022       45 days 500,513       00 days fiel 24/03/23       10 days fiel 24/03/23	22 191 19 19 19 19 19 19 19 19 19 19 19 19			<ul> <li>Konstanting</li> </ul>				
5755,19.8.3.3.5       Installation of submersible mixers (1,6), EQT020       90 days /r4 24/03/28       162 days /573,537       586       ME - 8 x 4~6 men         5755,19.8.3.3.6       Installation of mixed liquor return pumps (x6), EQT003       30 days /r4 24/03/28       362 days /574       586       ME - 8 x 4~6 men         7 575,19.8.3.3.7       Installation of strum removal systems (2), EQT022       45 days /80 - 26/9/38       566       ME - 8 x 4~6 men         7 575,19.8.3.3.7       Installation of strum removal systems (2), EQT022       45 days /80 - 26/9/38       566       ME - 8 x 4~6 men         7 575,19.8.3.3.7       Installation of neuronal systems (2), EQT022       45 days /80 - 26/9/38       566       ME - 9 x 2~4 men         7 575,19.8.3.8       Installation of fustrumentations, EQT035-2       60 days /m 031/07/28       70 days /572,549       566       ME - 9 x 2~4 men         5 805,19.8.3.8       Site Acceptance Tests - mechanical aspects including alignment and levels checks, feal       180 days /mu 25/05/28       10 days /571       566       Me - 0 x 2~4 men	C 1.00 Photos 200			1.1.5.33777.57		EST C	71222200000000	
576.33.8.4       Installation of mixed liquor return pumps (46), EQT009       30 days/14 24/02/23       Sat 25/03/23       D days/540       577       ME - A x 4 ~ 6 men         577.53.8.3.8.7       Installation of scum removal systems (x2), EQT002       45 days/3m 24/02/23       Sot days/376,548       566       ME - 8 x 4 ~ 6 men         577.53.8.3.8.8       Installation of scum removal systems (x2), EQT032       45 days/3m 24/02/23       Ted days/376,548       566       ME - 8 x 4 ~ 6 men         579.53.9.3.8.8       Installation of instrumentations, EQT039       45 days/3m 24/02/23       Ted days/374,546       586       ME - 0 x 2 ~ 4 men         579.53.9.3.8.9       Installation of instrumentations, EQT035-2       60 days/ma 24/07/23       The 22/02/28       70 days/372,549       586       ME - 0 x 2 ~ 4 men         589.53.98.3.8.9       Isite Acceptance Tests - mechanical spects including alignment and levels checks, test       30 days/172       10 days/371       586       ME - 0 x 2 ~ 4 men	a state of the state of the					100	and the second second second second	
5775:58.33.37       Installation of scum removal systems (x2), EQT022       45 days Sun 24(0)/23       10e 09/05/23       205 dayr; 576,543       586       ME - 8 x 4^-6 men         578.518.33.38       Installation of zeration blowers (x4), EQT039       45 days Sun 24(0)/23       78 dayr; 576,543       586       ME - 9 x 4^-6 men         579.518.33.39       Installation of instrumentations, EQT035-2       60 days Mon 32(07/23)       70 dayr; 572,549       586       ME - 0 x 2^-4 men         580.518.33.30       Site Acceptance Tests - mechanical aspects including alignment and levels checks, leal       100 days Thu 22(05/23)       Mon 20(1)/27       10 dayr; 571       586       ME - 0 x 2^-4 men						580		
578 5.19.8.3.8         Installation of aeration blowers (x4), EQT039         45 days Mon 31/07/23 Wed 13/07/23         76 days 534, 546         586         ME - D x 2-4 men           579 5.19.8.3.3         Installation of Instrumentations, EQT035-2         60 days Mon 32/07/23         Tho 2 s/3 days         586         ME - D x 2-4 men           580 5.19.8.3.3.0         Site Acceptance Tests - mechanical aspects including alignment and levels checks, leal         380 days Thu 25/05/23         Mon 20/11/22         10 days 571         586         ME - D x 2-4 men	20 Store 1 Store 28					\$77	and the second	
579 5.19.8.3.3.9         Installation of Instrumentations, EQ1035-2         60 days Mon 24/07/23         The 2 + 0 days (572, 549)         566         ME - D x 2 + 4 men           580 5.19.8.3.3.0         Site Acceptance Tests - mechanikal spects including alignment and levels checks, leal         180 days Thu 25/05/23         Alon 20/11/22         10 days (571)         586         ME - D x 2 + 4 men				Same and the second		586	and the second sec	
580 5.19.8.3.3.30         Site Acceptance Tests - mechanical aspects including alignment and levels checks, leal         180 days Thu 25/05/23         Mon 20/11/25         10 days 571         586         Mit - D x 2-4 men         Image: Comparison of C	8 5785.19.8.3.3.	8 installation of aeration blowers (x4), EQT039	45 days Mon 31/07/2	3 Wed 13/09/21	78 days 574,546	585	ME - D x 2"4 men	
	9 5795.19.8.3.3	9 Installation of instrumentations, EQT035-2	60 days Mon 24/07/2	3 Thu 21/09/23	70 days 572,549	586	ME - D x 2~4 men	
Tal Multie + Projectionesy     Line Colord Sylt	0 SED 5.19.8.3.3.	.10 Site Acceptance Tests - mechanical aspects including alignment and levels checks, leal	180 days Thu 25/05/23	Mon 20/11/25	10 days 571	586	ME - 0 x 2~4 men	
Tal International Projectional International Collection								
	~	Task Missione + Project Sonnary I I Lain		Crisical Split	····· Vanual Prog		Mittere Picturg +	
terender under Standard Stan	lest DE/2018/04	Milestone, Tentasive 🖤 Summary 🗖 Olise		Progress	Slack priority	-	- Sack -	
RC 02/074/074								

Bak None           Electrical installations for E&M Equip at BR 2A & 28           Installation of Lobin trays and adde containments           Cables laying and terminations           Energisation of LV Switchboards, BR2           Site Acceptance Test for E&M Equip at BR 2A & 28           System Commissioning for E&M Equip at BR 2A & 28           System Commissioning for E&M Equip at BR 2A & 28           Building Services Installations for DR 2A & 28           Building Services Installations for BR 2A & 28           Lighting and Power Distribution System, BR2           Fire Services Installation, BR2           CCVV Installation, IR2           Lighting and Power Distribution System, BR2           Fire Services Installation, BR2           Lighting Protection System, BR2           Testing and Commissioning of Building Services Installations, BR2           Memberse Facilities Building, Partice S-5 (PS 60.2.4)           Planned Xerv Data Commissioning of Building Services Installations, BR2           Memberse Facilities Building, Partice S-5 (PS 60.2.4)           Planned Sectional Completion Date - 5 (PS 60.2.4) <td< th=""><th>Between Task         Common Task           2.80 darp fri 24/02/21         Thu 30/11/23           2.80 darp fri 24/02/21         Thu 30/11/23           2.80 darp fri 24/02/21         Thu 30/11/23           2.00 darp fri 24/02/23         Thu 30/11/23           3.00 darp Set 24/06/23         Set 30/12/23           3.00 darp Set 21/01/24         Mon 31/07/25           3.00 darp Set 21/01/24         Mon 21/01/24           3.00 darp Set 21/01/24         Mon 25/01/24           3.00 darp Set 21/01/24         Mon 25/01/24           3.00 darp Set 21/01/24         Mon 25/01/24           3.00 darp Thu 25/05/24         The 21/01/24           3.00 darp Thu 25/05/24         The 21/01/24           3.00 darp Thu 25/05/24         The 21/01/24           3.00 darp Thu 25/05/24         The 21/02/24           3.00 darp Thu 21/02/24         Mon 32/07/24</th><th>32 days 543 0.63 edays 570,575,577,577 0 days 586,758 0 days 587,757 2.63 edays 557 10 days 5505+50 eday 0 days 525 10 days 1229 20 days 5505+120 day 12 days 5505+120 day 13 days 50,591,592,59 0 days 0 days 0 days 5512 0 days 0 days</th><th>345 74,5587 588 1258 595 1231,595 5 1231,595 5 95,1261 1182,1194,1195 4894F 833 4894F</th><th>Resource Nones UV - A x 4*6 men UV - A x 4*6 men UV - A x 4*6 men B5 - A x 4*6 men B5 - B x 4*6 men B5 - B x 4*6 men B5 - C x 2*4 men B5 - C x 2*4 men</th></td<>	Between Task         Common Task           2.80 darp fri 24/02/21         Thu 30/11/23           2.80 darp fri 24/02/21         Thu 30/11/23           2.80 darp fri 24/02/21         Thu 30/11/23           2.00 darp fri 24/02/23         Thu 30/11/23           3.00 darp Set 24/06/23         Set 30/12/23           3.00 darp Set 21/01/24         Mon 31/07/25           3.00 darp Set 21/01/24         Mon 21/01/24           3.00 darp Set 21/01/24         Mon 25/01/24           3.00 darp Set 21/01/24         Mon 25/01/24           3.00 darp Set 21/01/24         Mon 25/01/24           3.00 darp Thu 25/05/24         The 21/01/24           3.00 darp Thu 25/05/24         The 21/01/24           3.00 darp Thu 25/05/24         The 21/01/24           3.00 darp Thu 25/05/24         The 21/02/24           3.00 darp Thu 21/02/24         Mon 32/07/24	32 days 543 0.63 edays 570,575,577,577 0 days 586,758 0 days 587,757 2.63 edays 557 10 days 5505+50 eday 0 days 525 10 days 1229 20 days 5505+120 day 12 days 5505+120 day 13 days 50,591,592,59 0 days 0 days 0 days 5512 0 days 0 days	345 74,5587 588 1258 595 1231,595 5 1231,595 5 95,1261 1182,1194,1195 4894F 833 4894F	Resource Nones UV - A x 4*6 men UV - A x 4*6 men UV - A x 4*6 men B5 - A x 4*6 men B5 - B x 4*6 men B5 - B x 4*6 men B5 - C x 2*4 men B5 - C x 2*4 men
Installation of cable trays and cable containments Cables laying and terminations Energisation of U.Y Switchboards, BR2 Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Tests feed for appendix and the set of the	280 derg rit 240/2/23         Thu 30/1/23           120 derg rit 240/0/23         Thu 30/1/23           120 derg rit 240/0/23         Thu 30/1/22           120 derg rit 240/0/23         Thu 30/1/23           1 der Mon 31/0/723         Mon 31/0/723           30 derg rit 340/0/23         Thu 30/1/23           30 derg rit 30/1/23         Mon 31/0/723           30 derg rit 30/1/23         Mon 31/0/723           30 derg rit 30/1/23         Mon 32/0/24           30 derg rit 32/0/27         Thu 32/0/72           40 derg rit 32/0/27         Thu 32/0/72           45 derg rit 32/0/27         Thu 32/0/72           45 derg rit 32/0/27         Thu 32/0/72           9 derg rit 31/0/20         Mon 32/0/27           9 derg rit 12/0/27         Thu 32/0/27           9 derg rit 10/0/27         Thu 32/0/27           9 derg rit 10/0/27         Thu 32/0/27           9 derg rit 10/0/27         Thu 32/0/27 <th>0 days 560 0 days 552 122 days 56174-30 days 22 days 55174-30 days 24 days 553 0.63 edays 576,576,577,57 0 days 5867,58 2.63 edays 587 12 days 56075-90 days 0 days 525 10 days 1229 20 days 5005-10 days 253 days 118 days 530,591,592,59 0 days 253 days 26405 6127,5647 0 days 0 days 0 days 0 days 0 days 0 days 0 days 0 days 0 days 0 days</th> <th>583 585,756 586 587 588 1238 1238 595 1231,595 595 1231,595 1352,1361 1352,1395 1352,1395 1352,1395 1352,1395 1352,1394,1395 4009F 1352,1394,1395 1352,1395 1355,1395</th> <th>LV - A x 4~6 men BS - A x 4~6 men Pb - A x 4~6 men BS - B x 4~6 men SS - F5 - B x 4~6 men BS - C x 2~4 men</th>	0 days 560 0 days 552 122 days 56174-30 days 22 days 55174-30 days 24 days 553 0.63 edays 576,576,577,57 0 days 5867,58 2.63 edays 587 12 days 56075-90 days 0 days 525 10 days 1229 20 days 5005-10 days 253 days 118 days 530,591,592,59 0 days 253 days 26405 6127,5647 0 days 0 days 0 days 0 days 0 days 0 days 0 days 0 days 0 days 0 days	583 585,756 586 587 588 1238 1238 595 1231,595 595 1231,595 1352,1361 1352,1395 1352,1395 1352,1395 1352,1395 1352,1394,1395 4009F 1352,1394,1395 1352,1395 1355,1395	LV - A x 4~6 men BS - A x 4~6 men Pb - A x 4~6 men BS - B x 4~6 men SS - F5 - B x 4~6 men BS - C x 2~4 men
Installation of cable trays and cable containments Cables laying and terminations Energisation of U.Y Switchboards, BR2 Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Tests feed for appendix and the set of the	100 days Sat 24/04/20         San 01/10/21           1 day Mon 31/07/22         San 01/10/23           1 day Mon 31/07/23         Sat 30/17/21           30 dary Mon 31/07/23         Sat 30/17/21           30 dary Mon 32/07/24         Sat 30/17/21           30 dary Sat 31/17/23         Sat 30/17/21           30 dary Sat 32/07/24         Mon 32/07/21           30 dary Sat 32/07/24         Mon 32/07/24           30 dary Thu 25/05/23         Thu 22/07/23           120 dary Thu 25/05/24         Thu 22/07/23           120 dary Thu 25/05/24         Thu 21/07/25           120 dary Thu 25/05/27         Thu 21/07/25           120 dary Thu 25/05/24         Thu 21/07/26           120 dary Thu 25/05/27         Thu 21/07/27           120 dary Thu 25/05/27         Thu 21/07/27           120 dary Thu 25/05/24         Thu 21/07/27           120 dary Thu 25/05/27         Thu 21/07/27           120 dary Thu 25/05/27         Thu 21/07/27           120 dary Thu 12/07/27         Thu 21/07/27           0 dary Mon 12/07/27         Mon 12/07/27           0 dary Thu 10/10/07/11         Mon 12/07/27           130 dary Mon 12/07/27         Mon 12/07/27           130 dary Thu 10/10/07/12         Mon 12/07/27           130 dary	0 days 560 0 days 552 122 days 56174-30 days 22 days 55174-30 days 24 days 553 0.63 edays 576,576,577,57 0 days 5867,58 2.63 edays 587 12 days 56075-90 days 0 days 525 10 days 1229 20 days 5005-10 days 253 days 118 days 530,591,592,59 0 days 253 days 26405 6127,5647 0 days 0 days 0 days 0 days 0 days 0 days 0 days 0 days 0 days 0 days	585,756 566 365 368 138 138 138 555 555 132,155 4 595,1261 138,119,1195 4 689/F 138,195	LV - A x 4~6 men BS - A x 4~6 men Pb - A x 4~6 men BS - B x 4~6 men SS - F5 - B x 4~6 men BS - C x 2~4 men
Cables laying and terminations Energisation of LV Switchboards, BR2 Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Tests for E&M Equip at BR 2A & 2B System Commissioning for 6&M Equip at BR 2A & 2B Building Services Installations for BR 2A & 2B Building Services Installations for BR 2A & 2B Building Services Installation, BR2 CCTV Installation (7 Indoor + 2 outdoor Cameral), BR2 Fire Services Installation, BR2 CCTV Installation (7 Indoor + 2 outdoor Cameral), BR2 Fire Services Installation, BR2 CCTV Installation (7 Indoor + 2 outdoor Cameral), BR2 Fire Services Installation, BR2 Ughting Protection System, BR2 Fire Services Installation, BR2 RET Banned Acry Date Completion Date - Scotion 3, MF8 No. 2 Planned Acry Date Completion Date - Stol 3, MF8 No. 2 Planned Sectional Completion Date - Socian 3, MF8 No. 2 Planned Sectional Completion Date - Socian 3, MF8 No. 2 Selection of Suppliers for major plant and materials for MF8 MF5 - hollow fibre membrane modules (Marking Scheme Approach), ref. EQT023 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed) MF5 - aris scour blowers, C13, ref. EQT040 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed) MF5 - aris scour blowers, C13, ref. EQT040 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed)	100 days Sat 24/04/20         San 01/10/21           1 day Mon 31/07/22         San 01/10/23           1 day Mon 31/07/23         Sat 30/17/21           30 dary Mon 31/07/23         Sat 30/17/21           30 dary Mon 32/07/24         Sat 30/17/21           30 dary Sat 31/17/23         Sat 30/17/21           30 dary Sat 32/07/24         Mon 32/07/21           30 dary Sat 32/07/24         Mon 32/07/24           30 dary Thu 25/05/23         Thu 22/07/23           120 dary Thu 25/05/24         Thu 22/07/23           120 dary Thu 25/05/24         Thu 21/07/25           120 dary Thu 25/05/27         Thu 21/07/25           120 dary Thu 25/05/24         Thu 21/07/26           120 dary Thu 25/05/27         Thu 21/07/27           120 dary Thu 25/05/27         Thu 21/07/27           120 dary Thu 25/05/24         Thu 21/07/27           120 dary Thu 25/05/27         Thu 21/07/27           120 dary Thu 25/05/27         Thu 21/07/27           120 dary Thu 12/07/27         Thu 21/07/27           0 dary Mon 12/07/27         Mon 12/07/27           0 dary Thu 10/10/07/11         Mon 12/07/27           130 dary Mon 12/07/27         Mon 12/07/27           130 dary Thu 10/10/07/12         Mon 12/07/27           130 dary	122 days 56176-30 days 32 days 585 0.68 days 576,575,575,57 0 days 586,758 12 days 556,758 12 days 55075-90 day 0 days 525 10 days 1228 20 days 55075-120 day 12 days 55075-120 day 12 days 1228 23 days 23 days 23 days 55075-120 day 0 days 0 days	585,756 566 365 368 138 138 138 555 555 132,155 4 595,1261 138,119,1195 4 689/F 138,195	LV - A x 4~6 men BS - A x 4~6 men Pb - A x 4~6 men BS - B x 4~6 men SS - F5 - B x 4~6 men BS - C x 2~4 men
Energiaation of UV Switchboards, BR2     Site Acceptance Tests - Electrical aspects including wolkage and current tests, equip     Site Acceptance Test for EAM Equip at BR 2A & 28     System Commissioning for EAM Equip at BR 2A & 28     System Commissioning for EAM Equip at BR 2A & 28     Building Services Installations for DR 2A & 29     Building Services Installations for DR 2A & 29     Building Services Installations BR2     CCVV Installation [I Indoor + 2 outdoor Cameras], BR2     Fire Services Installation, BR2     Ughting and Commissioning of Sulfding Services Installations, BR2     Ughting Proceeding of Sulfding Services Installations, BR2     Hombiener Facilities Building, Periodes PS (PS GB.2A)     Planned Xerv Date Commiletion Date - Stola, MIRB No. 2     Planned Sectional Completion Date - Stola, MIRB No. 2     Planned Sectional Completion Date - Stola, MIRB No. 2     Planned Sectional Completion Date - Stola, MIRB No. 2     Selection of Suppliers for major plant and materials for MF8     MIFS - hollow filter membrane modules (Marking Scheme Approach), ref. EQT023     Submission for acceptance of purchasing package     Acceptance of conforming quotation (Completed)     MIFS - action of quotations for purchasing package     Acceptance of conforming quotation     MIFS - action of quotation for purchasing package     Acceptance of conforming quotation	1 day Mon 31/07/23         Mon 31/07/23           60 day, Mon 02/07/23         Mon 31/07/24           90 eday, Mon 02/07/23         Mon 03/07/25           90 eday, Mon 02/07/23         Mon 03/07/25           90 eday, Mon 02/07/23         St 30/12/23           90 eday, Mon 02/07/24         Mon 03/07/27           95 eday, Mon 02/07/25         St 30/12/20           95 day, Mon 22/05/24         Mon 03/07/27           950 day, Mon 22/05/24         Mon 03/07/27           950 day, Mon 22/05/27         Mon 03/07/27           90 day, St 24/06/20         Wot 22/07/21           90 day, St 24/06/27         Wot 22/07/21           90 day, Mon 32/07/27         Wot 22/07/21           91 day, Mon 91/04/24         Mon 32/07/27           91 day, Mon 91/04/27         Two 23/07/27           91 day, Mon 91/04/27         Two 23/07/27           91 day, Mon 91/04/27<	122 days 56176-30 days 32 days 585 0.68 days 576,575,575,57 0 days 586,758 12 days 556,758 12 days 55075-90 day 0 days 525 10 days 1228 20 days 55075-120 day 12 days 55075-120 day 12 days 1228 23 days 23 days 23 days 55075-120 day 0 days 0 days	345 74,557 588 1258 1258 555 555 555 555 555 555 555 555 555	LV - A x 4~6 men BS - A x 4~6 men Pb - A x 4~6 men BS - B x 4~6 men SS - F5 - B x 4~6 men BS - C x 2~4 men
Site Acceptance Tests - Electrical aspects including voltage and current tests, equip Site Acceptance Test for E&M Equip at BR 2A & 28 System Commissioning for E&M Equip at BR 2A & 28 Bitk Alowances for Completion of Processing Plant at BR 2A & 28 Building Services installations for BR 2A & 2.8 Lighting and Power Distribution System, BR2 Fire Services installation, BR2 CCTV Installation / Brdoor + 2 outdoor Camerast, BR2 Fire Services installation, BR2 Lighting protection System, BR2 Testing and Commissioning of Building Services Installations, BR2 Wennbase faithiss Building, Partice S-5 (FS G2.4) Planned Xer Date Completion Date - XOJA, MER No. 2 Planned Xer Date Completion Date - Scottion J, MF8 No. 2 Planned Sectional Completion Date - Scottion J, MF8 No. 2 Planned Sectional Completion Date - Scottion J, MF8 No. 2 Planned Sectional Completion Date - Scottion J, MF8 No. 2 Planned Sectional Completion Date - Scottion J, MF8 No. 2 Selection of Suppliers for major plant and materials for MF8 Mf5 - hollow filter membrane modules (Marking Scheme Approach), ref. EQT023 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed) Mf5 - air sour Mowery, CJ, ref. EQT040 Submission for acceptance of purchasing package Invitation of quotations for purchasing package	gen         60 days Mon 02/10/23         Thu 30/11/23           30 days Sun 31/27/24         Mon 23/01/23         Thu 30/11/23           30 days Sun 31/27/24         Mon 23/01/24         Mon 23/01/24           7 days Mon 32/01/24         Mon 23/01/24         Mon 23/01/24           35 days Thu 25/05/23         Thu 21/07/23         Thu 21/07/23           150 days Thu 25/05/24         Thu 21/07/23         Thu 21/07/23           120 days Thu 25/05/24         Thu 21/07/23         Thu 21/07/23           120 days Thu 25/05/24         Thu 21/07/23         Thu 21/07/23           120 days Thu 25/05/24         Mon 21/02/24         Mon 21/02/27           130 days Fet 21/02/25         Mon 21/02/27         Mon 21/02/27           130 days Thu 21/02/26         Mon 21/02/27         Mon 21/02/27           130 days Thu 01/06/24         Mon 21/02/27         Mon 21/02/27           130 days Thu 01/06/24         Mon 21/02/27         Thu 22/01/21           150 days Thu 01/07/27         Mon 21/02/27         Mon 21/02/27           130 days Wei 30/12/20         Thu 22/01/21         Mon 21/02/27           150 days Thu 01/07/27         Mon 21/02/27         Mon 21/02/27           150 days Thu 01/07/27         Mon 21/02/27         Mon 21/02/27           150 days Thu 01/07/27	32 days 343 0.63 edays 570,575,577,57 0 days 386,758 2.63 edays 387 12 days 30075-150 eday 0 days 325 10 days 1229 20 days 1229 20 days 1229 20 days 1229 20 days 12005-120 day 253 days 253 days 0 days 253 days 0 days	345 74,557 588 1258 1258 555 555 555 555 555 555 555 555 555	LV - A x 4~6 men BS - A x 4~6 men Pb - A x 4~6 men BS - B x 4~6 men SS - F5 - B x 4~6 men BS - C x 2~4 men
Site Acceptance Test for E&M Equip at BR 2A & 28 System Commissioning for E&M Equip at BR 2A & 28 Nick Allowances for Completion of Processing Plant at BR 2A & 28 Building Services Installations for BR 2A & 28 Building Services Installation, BR2 CCTV Installation, BR2 CCTV Installation, BR2 CCTV Installation, BR2 CCTV Installation, BR2 Lighting Protection System, BR2 Testing and Commissioning of Building Services Installations, BR2 Kembrane Facilities Building, Perifor B-5 (PS 6B.2.4) Planned Kev Date Completion Date - Social, MEB No. 2 Planned Kev Date Completion Date - Social, J.MFB No. 2 Planned Sectional Completion Date - Social, J.MFB No. 2 Planned Sectional Completion Date - Social, J.MFB No. 2 Selection of Suppliers for migor plant and materials for MFB Mf5 - hollow fibre membrane modules (Marking Scheme Approach), ref. EQT023 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed) Mf5 - a rouw blowers, C13, ref. EQT040 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed) Mf5 - a rouw blowers, C13, ref. EQT040 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed)	30 edays Thu 30/11/23         Six 30/12/23           30 days Sun 31/12/23         Mon 25/02/24           35 days Sun 31/12/23         Mon 25/02/24           35 days Sun 31/12/23         Mon 25/02/24           355 days Thu 25/05/73         Tue 65/12/24           30 days Thu 25/05/73         Tue 22/07/23           120 days Thu 25/05/73         Six 21/07/23           120 days Thu 25/05/73         Tue 22/07/23           120 days Thu 25/05/72         Thu 21/07/23           100 days Six 22/10/23         Tue 22/08/23           120 days Thu 25/05/73         Tue 05/12/20           120 days Thu 25/05/73         Tue 05/02/24           120 days Thu 25/05/73         Tue 05/02/24           120 days Thu 25/05/73         Tue 05/02/24           120 days Thu 01/06/20         Mon 32/04/24           0 days Mon 01/01/24         Mon 32/04/27           120 days Tue 01/06/20         Thu 23/02/20           120 days Tue 01/06/20         Thu 23/02/20           120 days Tue 01/07/20         Thu 23/02/20           120 d	0.43 edays 570,578,577,577 0 days 586,758 2.43 edays 587 1 2 days 5605 50 edays 1 2 days 5055 50 edays 2 0 days 525 2 0 days 5005 51 2 0 day 2 53 days 2 18 days 530,591,592,59 0 days 531 0 days 531 0 days 0 days	74,1127 588 2258 595 595 595 12211,995 595 12211,995 595 12211,91195 11821194,1195 4897F 133 4897F	B5 - A x 4*6 men Pb - A x 4*6 men B5 - B x 4*6 men 59 F5 - B x 4*6 men B5 - C x 2*4 men
System Commissioning for E&M Equip at BR 2A & 2B Rick Allowances for Completion of Processing Plant at BR 2A & 2B Building Services Installations for BR 2A & 23 Lighting and Power Distribution System, BR2 Flumbing Installation, BR2 CCTV Installation (7 Indoor + 2 outdoor Cameras), BR2 Fire Services Installation, BR2 Lighting Protection System, BR2 Lighting Protection System, BR2 Testing and Commissioning of Building Services Installations, BR2 Memberse Facilities Building, Persion B-5 (PS 6B.2.4) Planned Xery Date Completion Date - XD1A, MEB No. 2 Planned Xery Date Completion Date - Social, MEB No. 2 Planned Sectional Completion Date - Social, MEB No. 2 Planned Sectional Completion Date - Social, MEB No. 2 Selection of Suppliers for major plant and materials for MFB MFS - hollow fibre membrane modules (Marking Scheme Approach), ref. EQT023 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed) MFS - aris sour blowers, G1, ref. EQT040 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed) MFS - aris sour blowers, G1, ref. EQT040 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed)	30 days Sun 31/32/23         Mon 23/02/24           7 edays Mon 32/02/24         Mon 23/02/24           30 days Mon 32/02/24         Mon 05/02/24           30 days Mon 32/02/24         Mon 05/02/24           30 days Mon 32/02/24         Mon 05/02/24           30 days Mon 32/02/24         Mon 22/02/24           20 days Mon 22/02/24         Mon 22/02/24           20 days Mon 22/02/24         Mon 22/02/24           20 days Mon 22/02/24         Mon 02/02/24           0 days Mon 22/02/24         Mon 02/02/24           2 days Mol 32/07/21         Mon 02/02/24           0 days Mol 32/07/24         Mon 02/02/24           0 days Mol 12/07/27         Mon 12/07/27           10 days Mol 02/02/24         Mon 12/07/27           10 days Mol 02/02/24         Mon 12/07/27           10 days Mol 02/02/24         Mon 12/02/27           10 days Mol 02/02/20         Mon 12/02/20           10 days Mol 03/02/20	0 days 586,758 2.63 edays 587 12 days 5005+50 eday 0 days 525 20 days 527 20 days 527 20 days 527 20 days 500,591,502,50 0 days 0 days 500,591,502,50 0 days 0 days 500,591,502,50 0 days 0 days	588 1258 155 595 1231,395 595,1361 1182,1194,1195 489FF 182,1194,1195 489FF	Pb - A x 4~6 men BS - B x 4~6 men 59:FS - B x 4~6 men BS - C x 2~4 men
Risk Allowances for Completion of Processing Plant at BR 2A.8.28           Bulkling Services Installations for BR 2A.6.28           Lighting and Power Distribution System, BR2           Plumbing Installation, BR2           CCTV Installation (7 Indoor + 2 outdoor Cameras), BR2           Fire Services Installation, BR2           Lighting and Power Distribution System, BR2           Fire Services Installation, BR2           Lighting Protection System, BR2           Testing and Commissioning of Bulking Services Installations, BR2           Members Facilities Building, Parties 8-5 (PS 68.2.4)           Planned Xev Date Completion Date - Stolla, MEB No. 2           Planned Sectional Completion Date - Stolla, MEB No. 2           Planned Sectional Completion Date - Stolla, MEB No. 2           Planned Sectional Completion Date - Stolla, MEB No. 2           Planned Sectional Completion Date - Stollar, MEB No. 2           Selection of Suppliers for major plant and materials for MFB           MFS - hollow fibre membrane modules (Marking Scheme Approach), ref. EQT023           Submission for acceptance of purchasing package           Acceptance of conforming quotation (Completed)           MFS - air scour Biowere, G1, ref. EQT040           Submission for acceptance of purchasing package           Acceptance of conforming quotation (Completed)           MFS - air scour Biowere, G1, ref. EQT040 <tr< td=""><td>7 edayn Man 22/61/24         Mann 05/02/24           355 dayn Thu 25/05/23         Mann 05/02/24           355 dayn Thu 25/05/24         Sat 22/10/23           320 dayn Thu 25/05/24         Sat 22/10/23           320 dayn Thu 25/05/24         Thu 22/00/23           320 dayn Thu 25/05/24         Thu 22/00/23           320 dayn Thu 25/05/24         Thu 22/00/23           45 dayn Thu 25/05/24         Thu 22/00/23           45 dayn Thu 25/05/24         Thu 22/00/23           45 dayn Thu 25/05/27         Thu 22/00/23           45 dayn Thu 25/05/27         Thu 22/00/23           45 dayn Thu 25/05/27         Thu 22/00/23           9 dayn Th 25/05/27         Mann 02/05/24           9 dayn Thu 20/06/26         Mann 02/05/27           9 dayn Thu 05/06/27         Thu 23/07/27           9 dayn Thu 01/06/27         Mann 22/07/27           9 dayn Thu 01/06/27         Man 23/02/27           150 dayn Thu 03/02/20         Thu 23/02/27           150 dayn Thu 03/02/27         Thu 23/02/27           150 dayn Th</td><td>2.63 edays 567 12 days 56075-90 eday 0 days 535 10 days 1229 20 days 50675-120 day 15 days 253 days 253 days 0 days 50059-120 day 0 days 0 days 0 days 56059-120 day 0 days 0 day</td><td>238 4,5: 555 233,555 433,555 435,7561 1182,1194,1195 4897F 33 4897F 4897F</td><td>Pb - A x 4~6 men BS - B x 4~6 men 59:FS - B x 4~6 men BS - C x 2~4 men</td></tr<>	7 edayn Man 22/61/24         Mann 05/02/24           355 dayn Thu 25/05/23         Mann 05/02/24           355 dayn Thu 25/05/24         Sat 22/10/23           320 dayn Thu 25/05/24         Sat 22/10/23           320 dayn Thu 25/05/24         Thu 22/00/23           320 dayn Thu 25/05/24         Thu 22/00/23           320 dayn Thu 25/05/24         Thu 22/00/23           45 dayn Thu 25/05/24         Thu 22/00/23           45 dayn Thu 25/05/24         Thu 22/00/23           45 dayn Thu 25/05/27         Thu 22/00/23           45 dayn Thu 25/05/27         Thu 22/00/23           45 dayn Thu 25/05/27         Thu 22/00/23           9 dayn Th 25/05/27         Mann 02/05/24           9 dayn Thu 20/06/26         Mann 02/05/27           9 dayn Thu 05/06/27         Thu 23/07/27           9 dayn Thu 01/06/27         Mann 22/07/27           9 dayn Thu 01/06/27         Man 23/02/27           150 dayn Thu 03/02/20         Thu 23/02/27           150 dayn Thu 03/02/27         Thu 23/02/27           150 dayn Th	2.63 edays 567 12 days 56075-90 eday 0 days 535 10 days 1229 20 days 50675-120 day 15 days 253 days 253 days 0 days 50059-120 day 0 days 0 days 0 days 56059-120 day 0 days 0 day	238 4,5: 555 233,555 433,555 435,7561 1182,1194,1195 4897F 33 4897F 4897F	Pb - A x 4~6 men BS - B x 4~6 men 59:FS - B x 4~6 men BS - C x 2~4 men
Building Services installations for BR 2A & 28           Lighting and Power Distribution System, BR2           Flumbling installation, BR2           CCTV Installation (Indices v 2 outdoor Camerast), BR2           Fire Services installation, BR2           Lighting profeetion System, BR2           Testing and Commissioning of Building Services Installations, BR2           Memberge radiations, BR3           Lighting Protection System, BR2           Testing and Commissioning of Building Services Installations, BR2           Memberge radiations under the Set (PS GB.2.4)           Planned Kery Data Completion Date - XD1A: MFB No. 2           Planned Sectional Completion Date - Section 3, MFB No. 2           Planned Sectional Completion Date - Section 3, MFB No. 2           Selection of Suppliers for major plant and materials for MFB           MFS - hollow filtee membrane modules (Minking Scheme Approach), ref. EQT023           Submission for acceptance of purchasing package Including proposed marking schem           Invitation of quotations for purchasing package           Acceptance of conforming quotation (Completed)           MFS - are soure Mowere, G1, ref. EQT024           Submission for acceptance of purchasing package           Acceptance of conforming quotation (Completed)           MFS - are soure Mowere, G1, ref. EQT040           Submission for acceptance of purchasing package <t< td=""><td>195 dayn Thu 25(05/2)         Thu 05(12/2)           130 dayn Thu 25(05/2)         Soi 21/10/2)           120 dayn Thu 25(05/2)         Thu 21(0/2)           60 dayn 5x1 22(0/2)         Thu 21(0/2)           1302 dayn Thu 25(05/2)         Thu 21(0/2)           9 dayn 6f130/10/20         Mon 91/04/24           9 dayn 6f130/10/20         Hon 12/07/21           0 dayn Mon 12/07/21         Thu 21/02/20           0 dayn Mon 12/07/21         Mon 12/04/24           9 dayn for 01/09/24         Mon 12/04/24           0 dayn Thu 01/00/21         Thu 22/02/21           130 dayn Thu 01/00/21         Mon 12/01/22           130 dayn Thu 01/00/20         Thu 22/01/21           150 dayn Thu 01/00/20</td><td>12 days 50075-50 eday 0 days 525 10 days 1229 20 days 525 13 days 253 days 253 days 253 days 0 days 0 days 0 days 0 days 0 days 11 days 0 days 0 days 0 days 0 days 0 days 0 days 0 days</td><td>n,5 595 1231,595 4 595,1261 1182,1194,1195 489FF 83 489FF 83 489FF</td><td>Pb - A x 4~6 men BS - B x 4~6 men 59:FS - B x 4~6 men BS - C x 2~4 men</td></t<>	195 dayn Thu 25(05/2)         Thu 05(12/2)           130 dayn Thu 25(05/2)         Soi 21/10/2)           120 dayn Thu 25(05/2)         Thu 21(0/2)           60 dayn 5x1 22(0/2)         Thu 21(0/2)           1302 dayn Thu 25(05/2)         Thu 21(0/2)           9 dayn 6f130/10/20         Mon 91/04/24           9 dayn 6f130/10/20         Hon 12/07/21           0 dayn Mon 12/07/21         Thu 21/02/20           0 dayn Mon 12/07/21         Mon 12/04/24           9 dayn for 01/09/24         Mon 12/04/24           0 dayn Thu 01/00/21         Thu 22/02/21           130 dayn Thu 01/00/21         Mon 12/01/22           130 dayn Thu 01/00/20         Thu 22/01/21           150 dayn Thu 01/00/20	12 days 50075-50 eday 0 days 525 10 days 1229 20 days 525 13 days 253 days 253 days 253 days 0 days 0 days 0 days 0 days 0 days 11 days 0 days 0 days 0 days 0 days 0 days 0 days 0 days	n,5 595 1231,595 4 595,1261 1182,1194,1195 489FF 83 489FF 83 489FF	Pb - A x 4~6 men BS - B x 4~6 men 59:FS - B x 4~6 men BS - C x 2~4 men
Lighting and Power Distribution System, BR2.         Plumbing Installation, BR2         CCTV Installation, BR2         CCTV Installation, BR2         Lightning Protection System, BR2         Lightning Protection System, BR2         Testing and Commissioning of Building Services Installations, BR2         Membrane Facilities Building, Partison 8-5 (PS 68.2.4)         Planned Ker Date Completion Date - XD1A_MIR No. 2         Planned Sectional Completion Date - Section 3, M/B No. 2         Planned Sectional Completion Date - Section 3, M/B No. 2         Planned Sectional Completion Date - Section 3, M/B No. 2         Selection of Suppliers for major plant and materials for M/B         Mf5 - holiow fibre membrane modules (Marking Scheme Approach), ref. EQT023         Submission for acceptance of purchasing package         Acceptance of conforming quotation (Completed)         Mf5 - a noil owners, C13, ref. EQT040         Submission for acceptance of purchasing package         Acceptance of purchasing package         Installation of quotations for purchasing package         Mf5 - noil owners, C13, ref. EQT040         Submission for acceptance of purchasing package         Membrane for conforming quotation gazdage         Installation of quotations for purchasing package         Acceptance of conforming quotation	150 days Thu 25/05/20         Set 21/10/23           120 days Thu 25/05/23         Thu 23/07/23           120 days Thu 25/05/24         Thu 23/07/23           120 days Thu 25/05/27         Thu 23/07/23           120 days Thu 25/05/27         Thu 23/07/23           120 days Thu 25/05/27         Thu 23/07/23           160 days Set 23/07/23         Thu 23/07/23           160 days Thu 25/05/25         Set 23/10/28           120 days Thu 25/05/27         Thu 05/05/27           120 days Thu 12/07/27         Men 93/05/27           120 days Thu 12/07/27         Thu 05/05/27           0 days Mon 12/07/27         Thu 05/05/27           0 days Mon 12/07/27         Thu 05/05/27           150 days Thu 01/06/24         Mon 03/05/24           150 days Thu 01/06/27         Thu 23/07/21           150 days Thu 01/07/20         Thu 23/07/20           150 days Thu 01/07/20         Thu 23/07/21           150 days Thu 01/07/27         Thu 23/07/20           150 days Thu 01/07/27         Thu 23/07/20           150 days Thu 01/07/20         Thu 23/07/20           150	0 days 525 10 days 1229 20 days 50075120 days 253 days 263 days 0 days 50056120 days 0 days 50056120 days 0 days 50157564 0 days 0 da	595 1231,595 55,1261 1182,1194,1195 489FF 33 489FF 504	Pb - A x 4~6 men BS - B x 4~6 men 59:FS - B x 4~6 men BS - C x 2~4 men
Plumbing Installation, BR2         CCTV Installation (7 Indoor + 2 outdoor Cameras), BR2         Fire Services Installation, BR2         Lighting Protection System, BR2         Testing and Commissioning of Building Services Installations, BR2         Memberse Facilities Building, Partien 8-5 (PS 68.2.4)         Planned Ker Date Completion Date - Section 7, MFB No. 2         Planned Sectional Completion Date - Section 3, MFB No. 2         Planned Sectional Completion Date - Section 3, MFB No. 2         Planned Sectional Completion Date - Section 3, MFB No. 2         Selection of Suppliers for major plant and materials for MFB         MFS - hollow fiber membrane modules (Marking Scheme Approach), ref. EQT023         Submission for acceptance of purchasing package         Acceptance of conforming quotation (Completed)         MFS - a sour blower, G1, ref. EQT024         Submission for acceptance of purchasing package         Acceptance of conforming quotation (Completed)         MFS - air sour blowers, G1, ref. EQT024         Submission for acceptance of purchasing package         Acceptance of conforming quotation gackage         Mide Science of purchasing package         Members of quotations for purchasing package         Mide Science of purchasing package         Mide Science of purchasing package         Mide Science of purchasing package	120 days Thu 25/05/2         Thu 21/07/2           60 days 54 24/07/2         Thu 21/07/2           120 days Thu 25/05/2         Thu 21/07/2           60 days 54 24/07/2         Thu 21/07/2           100 days Thu 25/05/2         Thu 21/07/2           60 days Thu 25/05/2         Thu 21/07/2           120 days Thu 25/05/2         Thu 25/05/2           120 days Thu 25/05/2         Thu 05/12/2           120 days Tri 12/06/2         Man 01/05/2           9 days Tri 01/06/21         Two 01/05/2           0 days Mon 01/01/24         Mon 12/07/27           0 days The 01/07/20         Thu 27/07/2           150 days The 01/07/20         Thu 27/07/2           160 days The 01/07/20         Thu 27/07/2           150 days The 01/07/20         Th	10 days 1229 20 days 50055120 day 253 days 263 days 0 days	1231,595 155,1261 1182,1194,1195 489FF 138 489FF 1587 1597 604	Pb - A x 4~6 men BS - B x 4~6 men 59:FS - B x 4~6 men BS - C x 2~4 men
CCTV Installation (7 ledoor + 2 outdoor Camerad, BR2 Fire Services Installation, BR2 Lightning Protection System, BR2 Testing and Commissioning of Building Services Installations, BR2 Members Facilities Building, Parties 8-5 (175 GB.2.4) Flanned Xev Date Completion Date - 5 (175 GB.2.4) Planned Sectional Completion Date - 5 COLS, MFB No. 2 Planned Sectional Completion Date - 5 Cols on JAFB No. 2 Planned Sectional Completion Date - 5 Cols on JAFB No. 2 Selection of Suppliers for major plant and materials for MFB MFS - hollow fibre membrane modules (Marking Scheme Approach), ref. EQT023 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed) MFS - air soure Blowers, G1, refl. EQT040 Submission for acceptance of purchasing package Imitation of quotation of purchasing package Acceptance of conforming quotation (Completed) MFS - air soure Blowers, G1, refl. EQT040 Submission for acceptance of purchasing package Imitation of quotation of purchasing package Acceptance of conforming quotation (Completed)	60 darp Set 24/06/21         Twe 32/08/23           120 darp Thu 25/05/23         The 21/09/23           60 darp Thu 25/05/23         Sme 23/07/23           45 darp Set 22/07/23         Twe 05/22/23           1300 darp Thu 25/05/23         Sme 23/07/23           145 darp Set 22/07/23         Twe 05/22/20           2.000 darp Thu 25/05/24         Mon 05/05/24           2.010 darp The 01/06/21         Twe 01/05/24           0 darp Mon 12/07/21         Mon 01/05/22           2.010 darp The 01/09/24         Mon 01/05/22           150 darp The 01/09/20         The 23/05/20           150 darp The 01/09/24         The 23/05/20           150 darp The 01/09/20         The 23/05/20           160 darp The 01/09/20         The 23/05/20           150 darp The 01/09/20         The 23/05/20           160 darp The 01/09/20         The 23/05/20           160 darp The 01/09/20         The 23/05/20           160 darp The 01/09/20         The 23/05/20           <	20 days 56075+120 days 15 days 253 days 253 days 0 days 0 days 0 days 6617,6407F,64 0 days 0 days	5 595,1261 1182,1194,1195 489FF 83 489FF 85F1 604	85 - 8 x 4*6 men 59:F5 - 8 x 4*6 men 85 - C x 2*4 men
Fire Services installation, BR2. Lightning: Protection System, BR2 Testing and Commissioning of Building Services Installations, BR2 Membrane Activities Building, Partice 5-5 (PS GB.2.4) Planned Ker Date Completion Date - SCOIA. MER No. 2 Planned Sectional Completion Date - SCOIA. MER No. 2 Planned Sectional Completion Date - SCOIA. MER No. 2 Planned Sectional Completion Date - Section 3, MFB No. 2 Planned Sectional Completion Date - Section 3, MFB No. 2 Selection of Suppliers for major plant and materials for MFB MFS - hollow filtee membrane modules (Marking Scheme Approach), ref. EQT023 Submission for acceptance of purchasing package Including proposed marking schem Invitation of quotations for purchasing package Acceptance of conforming quotation (Completed) MFS - air soure Movere, G1, ref. EQT040 Submission for acceptance of purchasing package Invitation of quotation of purchasing package Acceptance of conforming quotation	120 days Thu 25/05/20         Thu 21/09/21           60 days Thu 25/05/23         Sun 23/07/21           65 days Thu 25/05/23         Sun 23/07/21           120 days Thu 25/05/23         Sun 23/07/21           120 days Thu 25/05/23         Sun 05/17/21           120 days Thu 25/05/23         Sun 05/17/21           120 days Thu 20/05/24         Mon 12/07/21           0 days Mon 12/07/21         Od 01/05/24           0 days Mon 12/07/21         Sun 01/05/24           120 days Thu 01/05/24         Mon 12/07/21           120 days Thu 01/09/24         Mon 12/07/21           120 days Thu 01/09/24         Mon 12/07/21           120 days Thu 01/09/24         Mon 12/07/21           120 days Thu 01/09/270         Thu 23/07/21	15 days 253 days 253 days 0	1182,1194,1195 489FF 83 489FF	59.F5 - 8 x 4~6 men 85 - C x 2~4 men
Lightning Protection System, BR2 Testing and Commissioning of Building Services Installations, BR2 Memberne Facilities Building, Perifon 8-5 (05 GB.2.4) Planned Ker Data Completion Date - XD18, MFB No. 2 Planned Ker Data Completion Date - Section 3, MFB No. 2 Planned Sectional Completion Date - Section 7, MFB No. 2 Selection of Suppliers for major plant and materials for MFB MFS - hollow fibre membrane modules (Marking Scheme Approach), ref. EQT023 Submission for acceptance of purchasing package Acceptance of conforming quatation (Completed) MFS - allowers, C13, ref. EQT040 Submission for acceptance of purchasing package MFS - allowers, C13, ref. EQT040 Submission for acceptance of purchasing package Invitation of quotations for purchasing package	60 dayn Thu 25/05/23         Son 22/07/23           45 days San 22/20/23         Tue 05/12/23           1320 days Fri 21/09/20         Man 51/05/24           2 daws Fri 21/09/27         Man 51/05/24           2 daws Fri 21/09/27         Tue 05/12/27           0 days Mon 12/07/21         Mon 12/05/27           0 days Mon 12/07/21         Mon 12/05/27           0 days Mon 12/07/21         Mon 12/07/21           0 days Tue 01/09/27         Man 12/07/21           150 days Tue 01/09/10         Man 12/07/21           150 days Tue 01/09/10         Man 12/07/21           150 days Tue 01/09/10         Ma 12/01/21           150 days Tue 01/09/10         Ma 25/01/21           150 days Tue 01/09/10         Tue 23/01/21           150 days Sta 31/10/20         Tue 23/01/21           160 days Sta 31/1	253 days 116 days 350,591,592,59 0 days 6312F.6442F 0 days 642F.6442F 0 days 642F.647F.64 0 days 0 days	489FF 83 489FF	85 - C x 2~4 men
Testing and Commissioning of Building Services Installations, BR2 Membrane Facilities Building, Pertion 8-5 (PS 68.2.4) Planned Kev Date Completion Date - KD1A, MEB No. 2 Planned Sectional Completion Date - Section 3, MFB No. 2 Planned Sectional Completion Date - Section 3, MFB No. 2 Planned Sectional Completion Date - Section 3, MFB No. 2 Selection of Suppliers for major plant and materials for MFB MFS - hollow fibre membrane modules (Marking Scheme Approach), ref. EQT023 Submission for acceptance of purchasing package including proposed marking scheme Invitation of quotations for purchasing package Acceptance of conforming quotation (Completed) MFS - and Sectore of purchasing package Invitation of quotations for purchasing package	45 days San 22/10/23         Twe 05/12/23           1320 days Fri 21/10/20         Man 01/05/24           2 days Fri 21/10/20         Man 01/05/24           9 days Fri 21/10/20         Twe 01/06/21           0 days Fri 20/10/21         Twe 01/06/21           0 days Mon 01/01/24         Mon 01/05/24           2 days Mon 01/01/24         Mon 01/05/24           2 days Twe 01/07/07         Twe 21/01/21           150 days Twe 01/07/07         Fri 23/01/20           60 days Sat 31/10/20         Twe 23/01/21           150 days Twe 01/07/07         Fri 23/01/20           150 days Twe 01/07/07         Fri 23/01/20           150 days Twe 01/07/07         Fri 23/01/20           150 days Twe 01/07/07         Twe 23/01/21           150 days Twe	118 days 500,591,592,59 O days O days 613FF.648F O days 643FF.648F O days 646F.647FF.64 O days O days	83 489FF	
Membrane Facilities Building, Partien 8-5 (15 68.2.4)     Flanned Xev Date Completion Date - XD1A: MFB No. 2     Planned Xev Date Completion Date - Stolla, MFB No. 2     Planned Sectional Completion Date - Section 3, MFB No. 2     Planned Sectional Completion Date - Section 7, MFB No. 2     Selection of Suppliers for major plant and materials for MFB     MFS - hollow fibre membrane modules (Marking Scheme Approach), ref. EQT023     Submission for acceptance of purchasing package     Acceptance of conforming quotation (Completed)     MFS - air soure blowers, G13, ref. EQT090     Submission for acceptance of purchasing package     Imutation of quotation of purchasing package     Imutation of quotation for purchasing package     Imutation of quotation for purchasing package     Imutation of quotation of purchasing package	1328 degs fri 21/98/20         Maxe 81/96/24           Brans fri 30/1020         Fri 30/1020           Ø degs fri 30/1020         Fri 30/1020           Ø degs fri 30/1020         Maxe 81/96/24           Ø degs fri 30/1020         Maxe 81/96/24           Ø degs fri 30/1020         Maxe 81/96/24           Ø degs fri 30/1020         Maxe 81/96/20           Ø degs fri 01/96/26         Max 21/94/24           Maxe 81/96/20         Max 21/96/24           Max 21/96/24         Max 21/96/24	D days           Q days (61)FL664FF           Q days (61)FL664FF           Q days (61)FL664FF           Q days (61)FL64FF           Q days (61)FL64FF           Q days	604	85-Cx 2"4 men
Planned Key Data Completion Date - XDJA, MER No. 2           Planned Key Data Completion Date - Section 3, MFR No. 2           Planned Sectional Completion Date - Section 3, MFR No. 2           Planned Sectional Completion Date - Section 3, MFR No. 2           Selection of Suppliers for major plant and materials for MFR           MfS - hollow filtee membrane modules (Marking Scheme Approach), ref. EQT023           Submission for acceptance of purchasing package including proposed marking schem invitation of quotations for purchasing package           MfS - a sour blowere, G1, ref. EQT040           Submission for acceptance of purchasing package invitation of quotation of purchasing package           MfS - a sour blowere, G1, ref. EQT040           Submission for acceptance of purchasing package invitation of quotation for purchasing package           Acceptance of conforming quotation           Acceptance of conforming quotation	Quinza fri 30/10/20         Fri 30/10/20           Quinza fri 30/10/20         Quinza fri 30/10/20           Quinza fri 400         Tue 01/06/21           Quinza fri 400         Tue 01/06/21           Quinza fri 400         Mon 12/07/21           Quinza fri 400         Mon 12/07/21           Quinza fri 400         Mon 12/07/21           Quinza fri 401/07/20         Mon 12/07/21           SQUINZA fri 401/07/20         Mon 21/04/21           Mon 12/07/21         Mon 12/04/21           SQUINZA fri 401/07/20         The 23/04/21           Mon 12/07/21         The 23/04/21           SQUINZA fri 401/07/20         The 23/04/2	Q days (417F,644F           Q days (417F,64           Q days (457F)           Q days (467F,6477F,64           Q days	604	
Planned Kev Date Completion Date - KD18, MF8 No. 2 Planned Sectional Completion Date - Section 1, MF8 No. 2 Planned Sectional Completion Date - Section 2, MF8 No. 2 Selection of Suppliers for major plant and materials for MF8 MF8 - hollow fibre membrane modules (Marking Scheme Approach), ref. EQT023 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed) MF5 - air sour blowera, C11, ref. EQT040 Submission for acceptance of purchasing package Institution of quotations for purchasing package Institution of quotation Institution of purchasing package Institution of quotation Institution Institution Institution Institution Institution Institution Insti	Ø. dava Tute 0.0/66/21         Tute 0.0/66/21           Ø. dava Mon 1.2/07/21         Mon 1.2/07/21           Ø. dava Tute 0.1/09/20         Mon 1.2/07/21           150 dava Tute 0.1/09/20         That 24/01/21           me         60 dava Tute 0.1/09/20         That 24/01/21           150 dava Tute 0.1/09/20         That 23/01/20	Q days 64552 O days 64667,64777,64 O days O days O days O days O days O days O days O days 603 O days 604 65 days	604	
Planned Sectional Completion Date - Section 3, MFB No. 2 Planned Sectional Completion Date - Section 2, MFB No. 2 Selection of Suppliers for major plant and materials for MFB MFS - hollow fibre membrane modules (Marking Scheme Approach), ref. EQT023 Submission for acceptance of purchasing package Acceptance of conforming quotation (Completed) MFS - air sour blowers, C13, ref. EQT040 Submission for acceptance of purchasing package Invitation of quotations for purchasing package Invitation	0 diaya Mon 12/07/21 Mon 12/07/21           0 diaya Mon 01/02/24 Mon 01/02/27           224 diaya Tue 01/09/20 Mina 11/04/22           150 diaya Tue 01/09/20 Mina 11/04/22           60 diaya Tue 01/09/20 Mina 11/02/20           60 diaya Tue 01/09/20 Mina 11/02/20           60 diaya Tue 01/09/20 Mina 20/02/21           150 diaya Tue 01/09/20 Mina 20/02/21           150 diaya Tue 01/09/20 Mina 20/02/21           150 diaya Tue 01/09/20 Mina 20/02/21           160 diaya Tue 01/09/20 Mina 20/02/21           60 diaya Sat 31/10/20 Mina 20/02/21           160 diaya Tue 01/09/20 Mina 20/02/21           60 diaya Sat 31/10/20 Mina 20/02/21           160 diaya Sat 31/10/20 Mina 20/02/21           160 diaya Sat 31/10/20 Mina 20/02/21           160 diaya Sat 31/10/20 Mina 20/02/21	0 days 64676,64776,64 0 days 11 days 0 days 0 days 0 days 0 days 603 0 days 804 65 days	604	
Planned Sectional Completion Date - Section 2, MFB No. 2 Selection of Suppliers for major plana and materials for MFB MFS - hollow fibre membrane modules (Marking Scheme Approach), ref. EQ1023 Submission for acceptance of purchasing package including proposed marking schem Imitiation of quotations for purchasing package Acceptance of conforming quotation (Completed) MFS - air sour blowers, C13, ref. EQ1040 Submission for acceptance of purchasing package Imitiation of quotations for purchasing package Acceptance of conforming quotation Acceptance of purchasing package Imitiation of quotations for purchasing package Acceptance of conforming quotation	0 days Mon 01/04/24         Mon 01/04/24           224 days Twe 01/09/20         Mon 32/04/27           150 days Twe 01/09/20         The 28/01/21           me         60 days Twe 01/09/20         The 28/01/21           10 days Twe 01/09/20         The 28/01/21         The 28/01/21           10 days Sat 33/10/20         The 28/01/21         The 28/01/21           10 days Wed 30/12/20         The 28/01/21         The 28/01/21           160 days Twe 01/09/20         FM 28/01/21         The 28/01/21           160 days Twe 01/09/20         The 28/01/21         The 28/01/21           160 days Twe 01/09/20         The 28/01/21         The 28/01/21           160 days Twe 01/09/20         The 28/01/21         The 28/01/21	0 days 11 days 0 days 0 days 0 days 603 0 days 604 65 days	604	
Selection of Suppliers for major plant and materials for MFB MFS - hollow filtee membrane modules (Marking Scheme Approach), ref. EQT023 Submission for acceptance of purchasing package including proposed marking schem Imritation of quotations for purchasing package Acceptance of conforming quotation (Completed) MFS - air scour blowers, C13, ref. EQT040 Submission for acceptance of purchasing package Imritation of quotation of purchasing package Acceptance of conforming quotation	224 days Tue 01/09/20         Mem 11/04/2:           150 days Tue 01/09/20         The 28/01/21           me         60 days Tue 01/09/20         Fri 30/10/20           60 days Tue 01/09/20         Tue 29/12/20           30 days Wei 30/12/20         Tue 29/12/20           150 days Tue 01/09/20         Tue 29/12/20           160 days Coll of the 10/09/20         Tue 29/01/21           160 days Tue 01/09/20         Fri 30/10/20           60 days Tue 01/09/20         Fri 30/10/20           60 days Tue 01/09/20         Fri 30/10/20           60 days Sat 31/10/20         Tue 29/12/20	11 days O days O days O days 603 O days 604 65 days		
MFS - hollow fibre membrane modules (Marking Scheme Approach), ref. EQ1023 Submission for acceptance of purchasing package including proposed marking schem Invitation of quotations for purchasing package Acceptance of conforming quotation (Completed) MFS - air scour blowera, C11, ref. EQ1040 Submission for acceptance of purchasing package Invitation of quotations for purchasing package Acceptance of conforming quotation	150 days         Tue 01/09/20         The 28/01/21           me         60 days         Tue 01/09/20         Fei 30/10/20           60 days         Fei 30/10/20         Fei 29/17/20           30 days         Wei 30/12/20         The 28/01/21           150 days         Tue 01/09/20         The 28/01/21           60 days         Tue 01/09/20         The 28/01/21           60 days         Tue 01/09/20         The 28/01/21           60 days         Tue 01/09/20         The 28/01/20           60 days         Tue 01/09/20         The 28/01/20	0 days 0 days 0 days 603 0 days 604 65 days		
Submission for acceptance of purchasing package including proposed marking schem Invitation of quotations for purchasing package Acceptance of conforming quotation (Completed) MFS - air scour blowera, C11, ref. EQ1040 Submission for acceptance of purchasing package Invitation of quotations for purchasing package Acceptance of conforming quotation	Bit         Sol days Tue 0/20/20         Fri 30/10/20           60 days Set 31/10/20         Tue 23/12/20           50 days Wed 30/12/20         Tue 23/02/21           150 days Tue 01/00/20         Tue 23/02/21           60 days Tue 01/00/20         Tue 23/02/21           60 days Tue 01/00/20         Tue 23/02/21           60 days Tue 01/00/20         Tue 23/12/20           60 days Set 31/10/20         Tue 23/12/20	0 days 0 days 603 0 days 604 65 days		
Imitation of quotations for purchasing package Acceptance of conforming quotation (Completed) MFS - air socur blowers, C13, ref. EQ1040 Submission for acceptance of purchasing package Imitation of quotations for purchasing package Acceptance of conforming quotation	60 days 54 31/10/20 Twe 29/12/20 30 days Wed 36/12/20 Thu 28/01/21 150 days Twe 01/09/20 Thu 28/01/21 60 days Twe 01/09/20 Fri 30/30/20 60 days 53 31/10/20 Twe 29/12/20	0 days 603 0 days 604 65 days		1
Acceptance of conforming quotation (Completed) MFS - air scour blowers, C11, ref. EQ1040 Submission for acceptance of purchasing package Invitation of quotations for purchasing package Acceptance of conforming quotation	30 days Wed 30/12/20 Thu 28/01/21 150 days Tue 01/09/20 Thu 28/01/21 60 days Tue 01/09/20 Fri 30/10/20 60 days Sat 31/10/20 Tue 29/12/20	0 days 604 65 days	605	
MFS - air scour blowers, C11, ref. EQ1040 Submission for acceptance of purchasing package Imitation of quotations for purchasing package Acceptance of conforming quotation	150 days Tue 01/09/20         Thu 28/01/21           60 days Tue 01/09/20         Fril 30/10/20           60 days Sat 31/10/20         Tue 29/12/20	65 days		
MFS - air scour blowers, C11, ref. EQ1040 Submission for acceptance of purchasing package Imitation of quotations for purchasing package Acceptance of conforming quotation	60 days Tue 01/09/20 Fri 30/10/20 60 days Sat 31/10/20 Tue 29/12/20		646	
Submission for acceptance of purchasing package Invitation of quotations for purchasing package Acceptance of conforming quotation	60 days Tue 01/09/20 Fri 30/10/20 60 days Sat 31/10/20 Tue 29/12/20		A CALC	
Invitation of quotations for purchasing package Acceptance of conforming quotation	60 days Sat 31/10/20 Tue 29/12/20	o onle	608	
Acceptance of conforming quotation		0 days 607	609	
	30 days Wed 30/12/20 Thu 28/01/21	32 days 608	648	
MFS - permeate pumps, C11, ref. EQT024	180 days Tue 01/09/20 Sat 27/02/21	0 days	1975	-
Submission for acceptance of purchasing package	90 days Tue 01/09/20 Sun 29/11/20	0 days	612	
Submission for acceptance of purchasing package Invitation of quotations for purchasing package	60 days Mon 30/11/20 Thu 28/01/21	0 days 611	612	-
	30 days Fri 29/01/21 Sat 27/02/21	0 days 612	613	
Acceptance of conforming quotation (Completed)	120 days Tue 15/09/20 Tue 12/01/21	0 days 612 81 days		
MF5 - compressed air system, C11, ref. EQT029			616	
Submission for acceptance of purchasing package	60 days Tue 15/09/20 Fri 13/11/20	0 days	122.01	-
Invitation of quotations for purchasing package	30 days Set 14/11/20 Sun 13/12/20	0 days 615	617	
Acceptance of conforming quotation	30 days Mon 14/12/20 Tue 12/01/21	48 days 616	648	
MFS - chemical storage tanks, C11, ref. EQT025	120 days Thu 01/10/20 Thu 28/01/21	65 days	-	
Submission for acceptance of purchasing package	60 days Thu 01/10/20 Son 29/11/20	0 days	620	
Invitation of quotations for purchasing package	30 days Mon 30/11/20 Tue 29/12/20	0 days 619	621	
Acceptance of conforming quotation	30 days Wed 30/12/20 Thu 28/01/21	32 days 620	648	
MFS - chemical dosing pumps, C11, ref. EQT026	120 days Thu 01/10/20 Thu 28/01/21	65 days		
Submission for acceptance of purchasing package	60 days Thu 01/10/20 Sun 29/11/20	0 days 2,30	624	_
Invitation of quotations for purchasing package	30 days Mon 30/11/20 Tue 29/12/20	0 days 623	625	
Acceptance of conforming quotation	30 days Wed 30/12/20 Thu 28/01/21	32 days 624	648	
MFS - return activated sludge pumps (Marking Scheme Approach), ref. EQT010	180 days Thu 01/10/20 Mon 25/03/2:	0 days		
Submission for acceptance of purchasing package	90 days Thu 01/10/20 Tue 29/12/20	0 days	628	
Invitation of quotations for purchasing package	60 days Wed 30/12/20 Sat 27/02/21	0 days 627	629	
Acceptance of conforming quotation (Completed)	30 days Sun 28/02/21 Mon 29/03/21	0 days 628	645	
			632	
				_
			640	
Plant Service Water System - booster pumps, C11, ref. EQT030	180 days Thu 15/10/20 Mon 12/04/2:	11 days	1.444	
Submission for acceptance of purchasing package				
		0 days 635		1
Invitation of quotations for purchasing package		0 days 636	645	
Invitation of quotations for purchasing package Acceptance of conforming quotation	120 days Thu 01/10/20 Thu 28/03/21	85 days		
	MFS - return activated sludge pumps (Marking Scheme Approach), ref. EQT010 Submission for acceptance of purchasing package Invitation of quotations for purchasing package Acceptance of conforming quotation (Completed) MFS - membrane tank drain pumps, CL1, ref. EQT099 Submission for acceptance of purchasing package Invitation of quotations for purchasing package Acceptance of conforming quotation (Completed) Plant Service Water System - booster pumps, CL1, ref. EQT080 Submission for acceptance of purchasing package Invitation of quotations for purchasing package Invitation of quotations for purchasing package	MFS - return activated sludge pumps (Marking Scheme Approach), ref. EQ1010     180 days The 021/10/20     Men 25/03/22       Submission for acceptance of purchasing package     90 days The 021/10/20     The 39/13/20       Invitation of quotations for purchasing package     60 days Wei 30/12/20 Set 27/02/11     The 39/13/20       MCS - membrane tank during package     60 days Wei 30/12/20 Set 27/02/11     Submission for acceptance of purchasing package     60 days Wei 30/12/20 Set 27/02/11       Submission for acceptance of conforming quotation (Completed)     30 days Sun 28/02/21     Set 13/00/21       Submission for acceptance of purchasing package     90 days The 15/09/20     Sun 31/12/20       Invitation of quotations for purchasing package     60 days Men 24/12/20     The 11/02/21       Acceptance of conforming quotation (Completed)     30 days Fit 31/02/21     Set 31/02/21       MCS - membrane tank during package     60 days Men 14/12/20     The 11/02/21       MCCeptance of conforming quotations for purchasing package     90 days Men 14/12/20     The 12/02/21       MCS - membrane of purchasing package     90 days Wei 13/02/21     Set 13/02/21       MCS - membrane of purchasing package     90 days Wei 13/02/21     Set 13/02/21       McLater System - boactan     30 days Sun 14/02/21     Men 12/02/21       McLater Set Scheme Statem - boactan     30 days Sun 14/02/21     Men 12/02/21       McLater Set Scheme Statem - boactan     <	MFS - return activated shudge pumps (Marking Scheme Approach), ref. EQT010       180 days The 01/10/20       Mon 23/20/22       0 days         Submission for acceptance of purchasing package       90 days The 02/10/20       The 29/12/20       0 days         Invitation of quotations for purchasing package       60 days Wed 30/2210       Submission for acceptance of purchasing package       60 days Wed 30/2210       Submission for acceptance of purchasing package       60 days Wed 30/2210       Submission for acceptance of purchasing package       60 days Wed 30/2210       Submission for acceptance of purchasing package       90 days The 35/09/20       Submission for acceptance of purchasing package       90 days The 35/09/20       Submission for acceptance of purchasing package       90 days The 35/09/20       Submission for acceptance of purchasing package       60 days Men 14/22/20       The 11/20/21       D days Submission for acceptance of purchasing package       60 days Men 14/22/20       The 11/20/21       D days Submission for acceptance of purchasing package       60 days Men 14/22/20       The 11/20/21       D days Submission for acceptance of purchasing package       90 days Men 12/02/21       Submission for acceptance of purchasing package       90 days Men 12/02/21       Submission for acceptance of purchasing package       90 days Men 12/02/21       Net 12/02/21       D days         Submission for acceptance of purchasing package       60 days Wet 110/12/20       The 12/01/21       D days         Submission for acceptance	MFS - return activated sludge pumps (Marking Scheme Approach), ref. EQT010         180 dars; Thu 01/10/20         Mon 23/03/22         0 dars           Submission for acceptance of purchasing package         90 dars; Thu 01/10/20         The 23/12/20         0 dars; CT         52           Invitation of quotations for purchasing package         60 dars; Wet 30/12/20         Skut 27/02/21         0 dars; CT         52           MCS - membrane tank dating pumps, C11, ref. CQT009         180 dars; Thu 55/09/20         Skut 13/02/21         0 dars; CT         52           Submission for acceptance of purchasing package         90 dars; Sut 15/09/20         Skut 13/02/21         0 dars; CT         52           Submission for acceptance of purchasing package         90 dars; Thu 15/09/20         Skut 13/02/21         0 dars; CT         52           Invitation of quotations for purchasing package         90 dars; Thu 15/09/20         Skut 13/02/21         0 dars; ST         63           Acceptance of conforming quotation (Completed)         30 dars; MT 15/09/20         Skut 13/02/21         0 dars; ST         63           Plant Service Water System - boards package         90 dars; Thu 15/02/20         Skut 13/02/21         0 dars; ST         63           Submission for completed in         30 dars; MT 15/02/20         Skut 13/02/21         0 dars; ST         63           Submission of quotations

Przinage Bervice		Landa ha	In the		Effluent Polishing Plan	-	for DI/201604 1 EdM Voids for Senage Treatment Facilities
ID WISS	Task Name	Duration Start. between Task Start and Finish	Fieldh	Roat Time Predecessors	Successors	Resource Names	2000 1000 1000 1000 1000 1000 1000 1000
639 5.20.5.10.	Submission for acceptance of purchasing package	60 days Thu 01/10/20	Sun 29/11/20	0 days	640		
640 5.20.5.10	Invitation of quotations for purchasing package	30 days Mon 30/11/2	Tue 29/12/20	0 days 639	641		
641 5.20.5.10	Acceptance of conforming quotation	30 days Wed 30/12/2	7 Thu 28/01/21	74 days 640	646		
642 5.20.6	Design Submissions for MFB No. 2	316 days Fri 21/08/20	Fri 02/07/21	10 days			
643 5.20.6.1	Electrical schematic drawings for MFB No. 2	60 days Fri 21/08/20	Mon 19/10/20	0 days	597FF		
644 5.20.6.2	CDS080-4 - Civil and dimensional requirements drawigns for MFB no. 2 up to +8.0 mPD	30 days Tue 01/09/20	Wed 30/09/20	O days	597FF		
645 5.20.6.3	CDS081-4 - Civil and dimensional requirements drawings for MFB No. 2	210 days Fri 28/08/20	Thu 25/03/21	68 days	S98FF		
646 5.20.6.4	CDS005 - Detailed Design for Membrane Filtration System, Pumps and Membrane Module	80 edays Mon 12/04/2	Thu 01/07/21	0.63 edays 605,613,629,63	3,6655,659,662,665,6	3	
647 5.20.6.5	CDS024 - Detailed Design for Electrical Installations for MFB No. 2	30 edays Sun 23/05/21		0.63 edays 72,82,78,86,90,	18:73,694,700,599FF		
6485.20.6.6	CD5008 - Detailed Design for Membrane Filtration System, Air Blowers, Dosing Systems et		( LOCAL CONTRACTOR		a la constante de la constante		
6495.20.6.7	CDS034-4 - Detailed Design for Electrical Installations B5 at MFB No. 2	100 edays Fri 12/03/21	100000000000000000000000000000000000000		763,599FF		
650 5.20.6.8	CDS025-4 - Detailed Design for LV Switchboards for Membrane Filtration System	60 edays Mon 03/05/2		0.63 edays 68	686,599FF		
9 - 18 BY 88	CDS026-2 - Detailed Design for HV Switchboards for MFB No. 2	60 edays Sun 18/04/21	0.000		599FF,690		
		150 edays Thu 15/10/20	A CONTRACTOR OF	0 edays 113	680,599FF		
652 5.20.6.10	CD5050-4 - Detailed Design for Lifting Appliances - MFB No. 2	CLO CAR AND CONTRACT	A STATE		www.assarr		
653 5.20.7	Manufacturing and Delivery of Plant & Materials	505 days Sun 14/03/21 385 days Fri 02/07/21			_		
654 5.20.7.1	Hollow Fibre Membrane Modules, EQT023		1200000000000000		656		
655 5.20,7.1.1	MFS - Manufacturing of Plant	300 days Fri 02/07/21					
656 5.20.7.1.2	MFS - Factory Acceptance Test of Plant (to be witnessed by PM)	40 days Thu 28/04/22			657		
657 5.20.7.1.3	MFS - Shipping and Delivery of Plant to site	45 days Tue 07/06/22			715		
658 5.20.7.2	Air Scour Blowers, EQT040	396 days Fri 02/07/21		A CONTRACTOR OF	and the second		
659 5.20.7.2.1	Manufacturing and Factory Acceptance Test of Plant	240 days Fri 02/07/21		111 days 646	660		
660 5.20.7.2.2	Shipping and Delivery of Plant to site	45 days Sat 18/06/22		and the second se	day716		
661 5.20.7.3	Permeate Pump, EQT024	285 days Fri 02/07/21	100 C 100 C 100 C		400		
662 5.20.7.3.3	Manufacturing and Factory Acceptance Test of Plant	240 days Fri 02/07/21		0 days 646	663		
663 5.20.7.3.2	Shipping and Delivery of Plant to site	45 days Sun 27/02/22		201 days 662	717		
664 5.20.7.4	Compressed Air System, EQT029	396 days Fel 02/07/21	Mon 01/08/22	208 days			
655 5.20.7.4.1	Manufacturing and Factory Acceptance Test of Plant	210 days Fri 02/07/21			666		
666 5.20.7.4.2	Shipping and Delivery of Plant to site	45 days 5at 18/06/22	Mon 01/08/22	0 days 665,72755-60 er	day 716		
667 5.20.7.5	Chemical Storage Tanks, EQT025	225 days Thu 10/06/21	Thu 20/01/22	403 days			
668 5.20.7.5.1	Manufacturing and Factory Acceptance Test of Plant	180 days Thu 10/06/21	Mon 06/12/21	0 days 648	669		
669 5.20.7.5.2	Shipping and Delivery of Plant to site	45 days Tue 07/12/21	Thu 20/01/22	104 days 668	721		
670 5.20.7.6	Chemical Dosing Pumps, EQT026	225 days Thu 10/06/23	Thu 20/01/22	403 days			
6715.20.7.6.1	Manufacturing and Factory Acceptance Test of Plant	180 days Thu 10/06/21	Mon 06/12/21	0 days 648	672		
672 5.20.7.6.1	Shipping and Delivery of Plant to site	45 days Tue 07/12/21	The 20/01/22	104 days 671	722		
673 5.20.7.7	Stoplogs and Penstocks, EQT013	396 days Fri 02/07/21	Men 01/08/2	208 days			
6745.20.7.7.1	Manufacturing and Factory Acceptance Test of Plant	240 days Fri 02/07/21	Sat 26/02/22	111 days 646	675		
675 5.20.7.7.2	Shipping and Delivery of Plant to site	45 days Sat 18/06/22	Construction of the		dan 714		
676 5.20.7.8	Valves, EQT036	285 days Fr1 02/07/21		Contraction of the second			
677 5.20.7.8.1	Manufacturing and Factory Acceptance Test of Plant	240 days Fri 02/07/21	and the second second	0 days 646	678		
678 5.20,7.8.3	Shipping and Delivery of Plant to site	45 days Sun 27/02/22		291 days 677	720		
6795.20.7.9	Lifting Appliances	356 days Sun 14/03/21		206 days			
680 5.20,7.9.	Manufacturing and Factory Acceptance Test of Plant	210 days Sun 14/03/21		101 days 652	681		
1 6815.20,7.9.3	Shipping and Delivery of Plant to site	45 days Wed 19/01/2		16 days 680,70455-60 es	day 707,730		
682 5.20.7.10	LV Switchboards	395 days 5at 03/07/21			1000000		
-		240 days 5at 03/07/21	100000000	0 days 526	684		
3 683 5.20.7.10		90 days Mon 28/02/2	10000000000000000	0 days (#3)	685		
4 684 5.20.7.10		45 days Sun 29/05/22	1	126 days 684	745		
5 685 5.20.7.10		100000000000000000000000000000000000000	a contract		745 687		
6 686 5.20.7.10		240 days Sat 03/07/21	Contraction of the	0 days 650	587		
687 5.20.7.10		90 days Mon 28/02/2		20 days 586	A 1432		
8 688 5.20.7.10		45 days 5at 18/06/22		the state of the second s	cu) 746		
9 689 5.20.7.11	HV Switchboards, EQT031	410 days Fri 18/06/21					
690 5.20.7.11		180 days fri 18/06/21		0 days 651	691		
1 6915.20.7.11	2 MFS - Factory Acceptance Test of Plant (to be witnessed by PM)	90 days Wed 15/12/2	1 Mon 14/03/22	95 days 690	692		
692 5.20.7.11	3 MFS - Shipping and Delivery of Plant to site			106 days 691,72755-60 es	fay 749		
3 693 5.20.7.12	11kV/380V Stepdown Power Transformers, EQT032	285 days Wed 23/06/2	1 Sun 03/04/22	553 days			
694 5.20.7.12	1 MFS - Manufacturing and Factory Acceptance Test of Plant	240 days Wed 23/06/2	1 Thu 17/02/22	0 days 647	695		
5 695 5.20.7.12	2 MFS - Shipping and Delivery of Plant to site	45 days Fri 18/02/22	Sun 03/04/22	226 days 694	750		
6 696 5,20,7.13	PLC System	285 days Wed 23/06/2	1 Sun 03/04/22	298 days			
	Le completente						
-	Task Mittione   Project Summary   I Las		Critical Split	Manual Prog		Missione (Actual)	
ject: DE/2018/04	Milestons, Tenative B Summary Manual Summary I Col	kal internet	Progress	Slack (Floard)		- Slack -	

ייי ע	alnaga Serviças Depi						e for DL/2018/04 e 1 GBM Works for Sowage Treatment Facilities
0	WIBS T	ask flame	Duration Start Finish # between Task	loat Time Predecessors	Successors	Resource Names	2002 404 1 2015 W 1 M M 7 5 W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
0 0		Manufacturing of New York Care ND34 5.8	Start and finish 210 days Wed 23/06/21 Tue 18/01/22	0 days 524	698		
2.1	975.20.7.13.1	Manufacturing of Plant, PLC for BR2A &B Factory Acceptance Test of Plant, PLC for BR2A &B (To be witnessed by PM)	30 days Wed 19/01/22 Thu 17/02/22	0 days 697	699		
			45 days Fri 18/02/22 Sun 03/04/22	225 days 698	747		
	89 5.20.7.13.3	Shipping and Delivery of Plant to site	45 days Wed 23/06/21 Tue 18/01/22	0 days 647	701		
- N - N	00 5.20.7.13.4	Manufacturing of Plant, PLC for MFB2			701		
	01 5.20.7.13.5	Factory Acceptance Test of Plant, PLC for MFB2 (To be witnessed by PM)	30 days Wed 19/01/22 Thu 17/02/22	0 days 700			
2 7	02 5.20.7.13.6	Shipping and Delivery of Plant to site	45 days Fri 18/02/22 Sun 03/04/22	226 days 701	748	_	
3 7	03 5,20,8	Site Installation Work	683 days Sun 20/03/22 Wed 31/03/2/	0 days			
4 7	04 5.20.B.1	Tentative Civil Handover Date, Portion 8-SA, MFB No. 2 below 1st floor level (Rev. 5)	1 day/Sun 20/03/22 Sun 20/03/22	0 days	707,713F5+45 eda		
5 7	05 5,20.8.2	Commencement of E&M Installation at MFB No. 2 Lower Part	404 days Mon 21/03/22 Fri 25/04/23	0 days 704			A Mis. Min
- 11	06 5.20.8.2.1	Provision of Temporary Water Supply, Electricity Supply, Lighting, Welfare facilities etc.,	7 days Mon 21/03/22 Sun 27/03/22	0 days 704	1	1	
7 7	07 5.20.8.2.2	installation of Lifting Appliances at MFB No. 2	65 days Mon 21/03/22 Wed 25/05/2:	248 days 704,681		-	
	08520.822.1	B2 EOT Crane LA-04-01 SWL 5t	45 days Mon 21/03/22 Wed 04/05/22	0 days	710,711,712		
1	09 5.20.8.2.2.2	B2 EOT Crane LA-04-02 SWL St	30 days Mon 21/03/22 Tue 19/04/22	15 days	710,711,712		
	and a compare the second		14 days Thu 05/05/22 Wed 18/05/22	0 days 708,709	712		
10	105.20.8.2.2.3	82 MR LA-04-03 SWL 51	14 days thu 05/05/22 Wed 18/05/22 14 days thu 05/05/22 Wed 18/05/22	0 days 708,709	712		
	11 5.20.8.2.2.4	81 MR LA-04-04 SWL 3t			077/	1	
	12 5.20.8.2.2.5	T&C, Loading Test for Lifting Appliances	7 days Thu 19/05/22 Wed 25/05/23	57 days 708,709,710,711	and the second s		
	13 5.20.8.2.3	Mechanical Installations for E&M Equip. at MFB No. 2 Lower Part	359 days Thu 05/05/22 Fri 28/04/23	0 days 704FS+45 edays	110000		
4 7	14 5.20.8.2.3.1	Installation of penstocks and stoplogs (Penstocks 18nos, Stoplogs 11nos), EQT013	90 days Tue 02/08/22 Sun 30/10/22	0 days 675	724	ME-Ex 4°6 men	
15 7	15 5.20.8.2.3.2	Installation of hollow fibre membrane modules (x9), EQT023	90 days Fri 22/07/22 Wed 19/10/22	191 days 657,712		ME - A x 4~6 men	
15 7	16 5.20.8.2.3.3	Installation of air scour blowers (x3), EQT040	90 days Tue 02/08/22 Sun 30/10/22	0 days 660,666	720,717,718	ME - 8 x 4*6 men	
	17520.823.4	Installation of permeate pumps (x10), EQT024	90 days Mon 31/10/22 Sat 28/01/23	0 days 716,663	720	ME - A x 4~5 men	
110	18520.87.3.5	Installation of return activated sludge pumps (x5), EQT010	90 days Mon 31/10/22 Sat 28/01/23	0 days 716	720	ME - 8 x 4*6 men	
1.1	195.20.8.2.3.6	Installation of return activated should pumps (x3), ective	45 days Thu 05/05/22 Sat 18/06/22	224 days	720	ME - Cx 4~6 men	
	C	Installation of membrane tank drain pumps (x2), EQ1009	90 days 5un 29/01/23 Fri 28/04/23	0 days 716,717,718,719,		ME - Cx 4*6 men	
20.00	205.20.8.2.3.7		60 days Thu 05/05/22 Sun 03/07/22	299 days 669	are the second sec	ME-Dx2"4 men	
001110	21520.82.3.8	Installation of chemical storage tank, EQT025	an and the second se				
	22 5 20 8 2 3 9	Installation of chemical dosing pumps, EQT026	60 days Thu 05/05/22 Sun 03/07/22	299 days 672		ME - D x 2"4 men	
3 7	723 5.20.8.2.3.10	Installation of plant service water system	90 days Thu 05/05/22 Tue 02/08/22	269 days		ME-Cx4*6 men	
24 7	24 5.20.8.2.3.11	Site Acceptance Tests - mechanical aspects including alignment and levels checks, leal	180 days Mon 31/10/22 Fri 28/04/23	168 days 714,720FF	760	ME - D x 2~4 men	
25 7	25 5.20.8.2.4	Electrical Installations for E&M Equip. at MF8 No. 2 Lower Part	150 days Thu 05/05/22 Sat 01/10/22	237 days 71355		3	
16 7	265.20.8.2.4.1	Installation of cable trays and cable containments	150 days Thu 05/05/22 Sat 01/10/22	45 days	751		
11 1	175.20.8.3	Tentative Civil Handover Date, Portion 8-58, M/B No. 2 remaining portion (Rev. 5)	1 day Wed 17/08/22 Wed 17/08/22	0 days	730,739F5+45 eda	ey .	
	28 5.20.8.4	Commencement of ESM Installation at MFB No. 2 Upper Part	532 days Thu 18/08/22 Wed 31/01/2	D days 727	ALC: NO.	CONTRACTOR OF	
	295.20.8.4.1	Provision of Temporary Water Supply, Electricity Supply, Lighting, Welfare facilities etc.,		0 days 727	and the second se	The second second second	
66120	730 5.20.8.4.2	Installation of Lifting Apoliances at MFB No. 2	142 days Thu 18/08/22 Fri 06/01/23	40 days 727,681			
			45 days Thu 18/08/22 Sat 01/10/22	0 days	733,734,738	LA - A x 4~6 men	
100	731 5.20.8.4.2.1	GF EOT Crane LA-04-05 SWL St		00000	733,734,738	LA-Bx4*6 men	
	732 5.20.8.4.2.2	GF Gantry Crane LA-04-06 SWL 6t	45 days Thu 18/08/22 Sat 01/10/22	0 days			
	733 5.20.8,4.2.3	1F EOT Crane LA-04-07 SWL 15t	45 days Sun 02/10/22 Tue 15/11/22	0 days 731,732		LA - A x 4~6 men	
4 7	734 5.20.8.4.2.4	1F EOT Crane LA-04-08 SWL 15t	45 days Sun 02/10/22 Tue 15/11/22	0 days 731,732		LA - 8 x 4~6 men	
15 7	735 5.20.8.4.2.5	RF EOT Crane LA-04-09 SWL 2t	45 days Wed 16/11/22 Fri 30/12/22	0 days 733,734	738	LA - A x 4~6 men	
	736 5.20.8.4.2.6	RF Retractable MR LA-04-10 SWL 2t	45 days Wed 16/11/22 Fri 30/12/22	0 days 733,734	738	LA - 8 x 4*6 mm	
	737 5.20.8.4.2.7	Mobile A-frame IA-04-11 SWL 2t	7 days Wed 16/11/22 Tue 22/11/22	38 days 733,734	738	LA - C x 4"6 men	
	738 5 20 8 4 2 8	T&C. Loading Test for Lifting Appliances	7 days Sat 31/12/22 Fri 06/01/23	0 days 731,732,733,734,	7740	LA-Ax4*6men	
	7395.20.8.4.3	Mechanical Installations for E&M Equip. at MFB No. 2 Upper Part	377 days Sun 02/10/22 Fri 13/10/23	0 days 727FS+45 edays			
		Installation of air scour blowers (x3)	100 days Sat 07/01/23 Sun 16/04/23	0 days 738	741.743	ME-Ax 4~6 men	
- 1	740 5.20.8.4.3.1		60 days Mon 17/04/23 Thu 15/06/23	160 days 740		ME-Bx4"6men	
_	415.20.8.4.3.2	Installation of compressed air system (x1)					
	742 5.20.8.4.3.3	Installation of instrumentations, EQT035-1	60 days Sun 02/10/22 Wed 30/11/22	357 days 52		ME - D x 2~4 men	
43 7	435.20.8.4.3.4	Site Acceptance Tests - mechanical aspects including alignment and levels checks, leaf		40 days 740		ME - D x 2~4 men	
44 7	744 5.20.8.4.4	Electrical Installations for E&M Equip. at MFB No. 2 Upper Part	300 days Wed 16/11/22 Mon 11/09/21	32 days 73955+45 edays			
45 7	455.20.8.4.4.1	Installation of LV Switchboards, BR2	90 days Wed 16/11/22 Mon 13/02/21	0 days 685	752	LV - B x 4*6 men	
45 7	746 5.20.8.4.4.2	Installation of LV Switchboards, MFB No. 2	90 days Wed 16/11/22 Mon 13/02/21	0 days 688	752	LV - A x 4"6 mm	
2.4	747 5.20.8.4.4.3	Installation of PLC Panels, BR2	90 days Wed 16/11/22 Man 13/02/21	0 days 699	752,756		
	748 5.20.8.4.4.4	Installation of PLC Panels, MFB No. 2	90 days Wed 16/11/22 Mon 13/02/21	282 days 702		PLC-8x1man	
	749 5.20.8.4.4.5	Installation of HV Switchboards, MFB No. 2	60 days Wed 16/11/22 Sat 14/01/23	30 days 692	752	HV-Ax4"6 men	
~ 1	110222200000	Installation of HV Switchboards, MFB No. 2 Installation of transformer, MFB No. 2, EQT032	45 days Wed 16/11/22 Sit 14/01/23	327 days 695		men	
~ L '	750 5.20.8.4.4.6			327 days 635	-		
2011	751 5.20.8.4.4.7	Installation of cable trays and cable containments	180 days Wed 16/11/22 Sun 14/05/23				
	752 5.20.8.4.4.8	Cables laying and terminations	150 days Tue 14/02/23 Thu 13/07/23	0 days 745,746,747,749	757,754,753		
153 7	753 5.20.8.4.4.9	Energisation of LV Switchboards, MFB No. 2 (Rev. 8)	1 day Mon 31/07/23 Mon 31/07/21	114 days 752		LA - Ax 4*6 men	
154	754 5.20.8.4.4.10	Site Acceptance Tests - Electrical aspects including voltage and current tests, equipme	60 days Fri 14/07/23 Mon 11/09/23	32 days 752	760	LY - Ax 4-6 men	
	a francisca and						

Status Date Sat 20/03/21

Drainage Services Departs		1			ul Elfluent Polishing Pl	posed Work Programme ant - Main Works Stage	e 1 ERAN Works for Sewage Treatment Facilities
ID WBS Task	Ilame	Duration Start between Task	Finish	Float Time Predecessors	Successors	Resource Names	Import         Import<
5 755 5.20.8.4.5	SCADA Systems, BR No. 1 & No 2, MFB No. 2	Start and Finish 131 days Fri 14/07/23	Tue 21/11/23	31 days			<u>+ +</u>
16 756 5.20.8.4.5.1	Configuration of PLC System for BR No. 1 & No. 2	30 days Mon 02/10/2	3 Tue 31/10/23	0 days 747,583	758	PLC-Ax1man	
7575.20.8.4.5.2	Configuration of PLC System for MFB No. 2	30 days fri 14/07/23	Sat 12/08/23	0 days 752	759		
7585.20.8.4.5.3	Site Acceptance Test for PLC System at BR No. 1 and No. 2	21 days Wed 01/11/2	1000346348341	19 days 756	761,587,1262	-	
7595.20.8.4.5.4	Site Acceptance Test for PLC System at MFB No. 2	21 days Sun 13/08/21	Contraction of the second	99 days 757	761,1262		
760 5.20.8.4.6	Site Acceptance Test for E&M Equip at MFB No. 2		and the second second	28.63 edays 739,744,754,1	100 CONTRACTOR		
761 5.20.8.4.7	System Commissioning for E&M Equip at MFB No. 2	45 days Mon 11/12/2					
762.5.20.8.4.8	Risk Allowances for Completion of Processing Plant at MFB No. 2	7 edays Wed 24/01/1			1258		Mrs. Nak 🛃
763 5.20.8.4.9	Building Services Installations for MFB No. 2	330 days Sun 15/01/2	10000000000	12 days 727FS+150 ed		-	
		120 days Sun 15/01/23		90 days	770	MVAC - A x 4~6 men	
4 764 5.20.8.4.9.1	Mechanical Ventilation and Air Conditioning System, MFB No. 2		1000			a Photose toral Graditate	
5 765 5.20.8.4.9.2	Ughting and Power Distribution System, MFB No. 2	210 days Sun 15/01/21		0 days	770	85 - A x 4*6 men	
766 5.20.8,4,9.3	Plumbing Installation, MFB No. 2	180 days Sun 15/01/21	1 Contraction of the	30 days 1229	1231,770	Pb - 8 x 4*6 men	
7675.20.8.4.9.4	CCTV Installation (10 indoor + 3 outdoor Cameras), MFB No. 2	90 days Sun 15/01/23		120 days 727F5+120 da		85 - 8 x 4~6 men	
0 768 5.20.8.4.9.5	Fire Services Installation, MFB No. 2	120 days Sun 15/01/23	Sun 14/05/23	90 days	1182,1194,1195,	77:FS - 8 x 4~6 men	
9 769 5.20.8.4.9.6	Earthing and Lightning Protection System, MFB No. 2	60 days Sun 15/01/23	Wed 15/03/21	315 days	761FF	BS - C x 2~4 men	
7705.20.8.4.9.7	Testing and Commissioning of Building Services Installations, MFB No. 2	120 days Sun 13/08/23	Sun 10/12/23	0 days 764,765,766,7	67,7761	85-Cx2"4 men	
7715.21 0	hemical System No. 1 and No. 2, Portion 8-7 & 8-78 (PS 68.2.3)	1351 days Tue 21/07/20	Man 01/04/2+	0 days			
772 5 21.1	Planned Key Date Completion Date - KD18, Chem Sys No. 1 & 2	Q days Tue 01/06/21	Tue 01/06/21	0.dara 78925.79055			KDID, Chemicki et al 01/06
7735.21.2	Planned Sectional Completion Date - Section 1, Chem Sys No. 1 & 2	0 days Mon 12/07/2	1 Mon 12/07/21	0 days 791FF, 792FF.3	9381		e, 12/07
4 7745.21.3	Planned Sectional Completion Date - Section 2, Chem Sys No. 1 & 2	0 days Mon 01/04/2					
7755.21.4	Selection of Suppliers for major plant and materials for Chemical Systems	240 days Thu 01/10/20		0 days			
7765.21.4.1	Chemical Storage and Dosing - chemical storage tanks, C11, ref. EQT025	240 days Thu 01/10/20		0 days			
7775214.1.1	Submission for acceptance of purchasing package	60 days Thu 01/10/20		0 days	778		
7785.21.4.1.1		30 days Mon 30/31/2		0 days	779		
The second s	Invitation of quotations for purchasing package						
7795.21.4.1.3	Acceptance of conforming quotation	30 days Wed 30/12/2	1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	30 days 778	791		
0 7805.21.4.2	Chemical Storage and Dosing - chemical dosing pumps, C11, ref. EQT027	150 days Thu 01/10/21	10.000.000.000	22 days			
1 781 5.21.4.2.1	Submission for acceptance of purchasing package	60 days Thu 01/10/20		0 days	782		
2 782 5.21.4.2.2	Invitation of quotations for purchasing package	60 days Mon 30/11/2		0 days 781	783		
3 783 5.21.4.2.3	Acceptance of conforming quotation	30 days Fri 29/01/21	Sat 27/02/21	0 days 782	791,792,793		
4 7845.21.4.3	Chemical Storage and Dosing - transfer pumps, C11, ref. EQT026	120 days Thu 01/10/20	Thu 28/01/21	66 days			
5 785 5.21.4.3.1	Submission for acceptance of purchasing package	60 days Thu 01/10/20	Sun 29/11/20	0 days	785		
6 786 5.21.4.3.2	Invitation of quotations for purchasing package	30 days Mon 30/11/2	Tue 29/12/20	0 days 785	787		
7 787 5.21.4.3.3	Acceptance of conforming quotation	30 days Wed 30/12/2	Thu 28/01/21	30 days 786	791		
8 7885.21.5	Design Submissions for Chemical System No. 1 and No. 2	324 days Tue 21/07/20	Thu 10/06/21	33 days			
9 7895.21.5.1	Electrical schematic drawings for Chemical Systems No. 1 and No. 2	60 days Tue 21/07/20	Fri 18/09/20	256 days	772FF		
0 790 5.21.5.2	CDS081-5 - Civil and dimensional requirements drawings for Chemical Systems	70 days Fri 28/08/20	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	0 days	77255		
1 7915.21.5.3	CDS006 - Detailed Design for Chemical Dosing System	90 edays Sat 27/02/21		0.63 edays 779.783.787	797,800,803,7738		
2 792 5.21.5.4	CDS027 - Detailed Design for Electrical Installations for Chemical System No. 1	90 edays 5at 27/02/21		45 edays 783	810,773FF	1	
79352155	CDS027 - Detailed Design for Electrical installations for Chemical System No. 2	90 edays Sat 27/02/21		45 edays 783	810,773FF		
				32.38 edays 133	810,773FF		
4 7945.21.5.6	CD5034-5 - Detailed Design for Electrical Installations BS at Chemical Systems	90 edays Fri 12/03/21			a10,773PP	-	
5 795 5.21.6	Manufacturing and Delivery of Plant & Materials	296 days 5at 29/05/21		417 days			
6 796 5.21.6.1	Chemical Storage Tanks, EQT025	225 days Sat 29/05/21		488 days			
7 797 5.21.6.1.1	Manufacturing and Factory Acceptance Test of Plant	380 days Sat 29/05/21		0 days 791	798		
8 7985.21.6.1.2	Shipping and Delivery of Plant to site	45 days Thu 25/11/21		73 days 797	809		
9 7995.21.6.2	Chemical Dosing Pumps, EQT027	296 days Sat 29/05/21	Sun 20/03/22	417 days			
8005.21.6.2.1	Manufacturing and Factory Acceptance Test of Plant	180 days Sat 29/05/21	Wed 24/11/21	71 days 791	801		
801521.6.2.2	Shipping and Delivery of Plant to site	45 days Fri 04/02/22	Sun 20/03/22	2 days 800,806FF-60	eday 809		
802 5.21.6.3	Chemical Transfer Pumps, EQT026	296 days Sat 29/05/21	Sun 20/03/22	417 days			
803521.6.3.1	Manufacturing and Factory Acceptance Test of Plant	180 days Sat 29/05/21	Wed 24/11/21	71 days 791	804	1	
804521.632	Shipping and Delivery of Plant to site	45 days Fri 04/02/22		2 days 803,806FF-50	iday 809		
5 805 5.21.7	Site Installation Work	307 days Tue 22/03/22		415 days	100		
5 805 5.21.7 5 806 5.21.7.1	Tentative Civil Handover Date, Portion 8-7 & 8-78 (Rev. 5)	1 day Thu 19/05/22		0 days	BO4FF-60 edays,80		a trans
G 100 100 100 100 100 100 100 100 100 10		72401 0 0000 000					
7 8075.21.7.2	Tentative Civil Handover Date, Chemical Pipe Trench (by others)	1 day Sun 01/05/22		33 days	809FF+50 days	1	
8085.21.7.3	Commencement of E&M Installation at Chemical Dosing System 1 and System 2	307 days Tue 22/03/22			all a state	11	
8095.21.7.3.1	Mechanical Installations for E&M Equip. for Chemical Dosing System	90 edays Tue 22/03/22				ME - D x 2*4 men	
0 8105.21.7.3.2	Electrical Installations for E&M Equip. for Chemical Dosing System	90 edays Mon 20/06/2	Aug 12 - 12 - 12 - 11	0.63 edays 809,792,793,7	14 811,819		
11 #115.21.7.3.3	Site Acceptance Test for E&M Equip for Chemical Dosing System	45 days Mon 19/09/2	Wed 02/11/2:	0 days 810	812		
12 8125.21.7.3.4	System Commissioning for E&M Equip for Chemical Dosing System	45 days Thu 03/11/22	Sat 17/12/22	0 days 811	813		
_						-	
Terl Mission	Allestant + Project Survey 1 1	Late	Critical Split	····· Manual Pro		- Atlantare (Actual) +	
Atleston	L Tentative 🗧 Summary 🛏 Manual Summary 🔚 1	Critical	Progress	Sack Float		- Suck -	

Drainage Bervices De	patment				Effluent Polishing Plan		e 1 EdxM Works for Sewage Treatment Facilities
10 W85	Task Name	Duration Start between Task	Finish Fi	at Time Predecemors	Successors	Resource Names	2022 2022 2022 2022 2022 2022 2022 202
8135.21.7.3.5	Risk Allowances for Completion of Processing Plant at Chemical Dosing System	Start and Finish 7 edays Sat 17/12/22	Sat 24/12/22 4	10.63 edays 812	1258		
4 6145.21.7.3.6	Building Services Installations at Chemical Dosing System areas	249 days Fri 20/05/22	and a second at	419 days			
8155.21.7.3.6.1	Lighting and Power Distribution System, Chem 1&2	120 days Fri 20/05/22	Fri 16/09/22	9 days 806	820	85 - 8 x 4~6 men	
6 8165.21.7.3.6.2	Fire Services Installation, DG Stores	120 days Fri 20/05/22	Fri 16/09/22	9 days 806	1194,1195,1185,82	DFS-Ax4~6 men	
817521.7.3.6.3	Lightning Protection System, Chem 1&2	30 days Fri 20/05/22	Sat 18/06/22	99 days 805	820		
8 8185.21.7.3.6.4	Mechanical Ventilation System, Chem 2	14 days Fri 20/05/22		115 days 806	820	MVAC - A x 4*6 men	
9 819521.7.3.6.5	Plumbing installation, Chem 1	7 days Mon 19/09/22		0 days 810	820	Pb - Ax 4~6 men	
0 8205.21.7.3.6.6	Testing and Commissioning of Building Services Installations, Chem 1&2	120 days Mon 26/09/22		434 days 815,816,819,811	18774FF	85 - Cx 2~4 men	
1 821 5.22	Temporary Chemical Dosing System, Portion 87 & 8-78 (PS 68.2.3)	1344 days Tue 28/07/20	1001	0 days		Citize A level	
2 8225.22.1	Planned Key Date Completion Date - KD18, Temp. Chem Dating Sys	0 days Tue 01/05/21		O days BARFE. MACE		1.1.1	KD10. (vernice) @,01/06
3 8235.22.2	Planned Sectional Completion Date - Section 1, Temp. Chem Dosing Sys	0 days Mon 12/07/21		O days 841FF	Commences and the		6,12/07
8245.22.3		0 days Mon 01/04/24	A CONTRACTOR OF A	D days		-	
S COLORS	Planned Sectional Completion Date - Section 2, Temp. Chem Dosing Sys	150 days Thu 01/10/20	10.070.000.000	668 days			
5 8255.22.4	Selection of Suppliers for major plant and materials for Temp. Chemical Dosing System	120 days Thu 01/10/20	The second s	75 days	-		
8 826 5.22.4.1	Chemical Storage and Dosing - chemical storage tanks, C11, ref. EQT025	60 days Thu 01/10/20	011025-1251	0 days	828		
827 5.22,4.1.1	Submission for acceptance of purchasing package		1576523831	0 days 827	829		
8285.22.4.1.2	Invitation of quotations for purchasing package	30 days Mon 30/11/20	1		Contract of the second		
9 8295.22.4.1.3	Acceptance of conforming quotation	30 days Wed 30/12/20	102000000000	0 days 828	841,844		
830 5.22.4.2	Chemical Storage and Dosing - chemical dosing pumps, C11, ref. EQT027	150 days Thu 01/10/20	1.000.000.000	668 days			
8315.22.4.2.1	Submission for acceptance of purchasing package	60 days Thu 01/10/20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 days	832		
832 5.22,4.3.2	Invitation of quotations for purchasing package	60 days Mon 30/11/20	1000000000	0 days 831	833		
833 5.22.4.2.3	Acceptance of conforming quotation	30 days Fri 29/01/21	1000000000000	0 days 832	847		
834 5.22.4.3	Chemical Storage and Dosing - transfer pumps, C11, ref. EQT026	120 days Thu 01/10/20	1000000000	698 days			
15 835 5.22.4.3.1	Submission for acceptance of purchasing package	60 days Thu 01/10/20		0 days	836		
8365.22.4.3.2	Invitation of quotations for purchasing package	30 days Mon 30/11/20	The provide the	0 days 835	837		
837 5.22.4.3.3	Acceptance of conforming quotation	30 days Wed 30/12/20	Thu 28/01/21	0 days 836	850		
8 838 5.22.5	Design Submissions for Temporary Chemical Dosing System	275 days Tue 28/07/20	Wed 28/04/2:	75 days			
839 5.22.5.1	Electrical schematic drawings for Temporary Chemical Dosing System	60 days Tue 28/07/20	Fri 25/09/20	249 days	822FF		
0 840 5.22.5.2	CDS081-6 - Civil and dimensional requirements drawings for Temporary Chemical Dosing S	70 days Fri 28/08/20	Thu 05/11/20	208 days	822FF		
8415.22.5.3	C05029 - Detailed Design for Electrical Installations for Temporary Chemical System	90 edays Thu 28/01/21	Wed 28/04/23	75 edays 829	857,823FF		
842 5.22.6	Manufacturing and Delivery of Plant & Materials	416 days Fri 29/01/21	Sun 20/03/22	507 days			
843 5.22.6.1	Chemical Storage Tanks, EQT025	416 days Fri 29/01/21	Sun 20/03/22	507 days			
4 844 5.22.6.1.1	Manufacturing and Factory Acceptance Test of Plant	180 days Fri 29/01/21	Tue 27/07/21	391 days 829	845		
15 8455.22.6.1.2	Shipping and Delivery of Plant to site	45 days Fri 04/02/22	Sun 20/03/22	20 days 844,853FF-60 ed	lay 856		
16 846 5.22.6.2	Chemical Dosing Pumps, EQ1027	386 days Sun 28/02/21	Sun 20/03/22	507 days			
847 5.22.6.2.1	Manufacturing and Factory Acceptance Test of Plant	180 days Sun 28/02/21	Thu 26/08/21	161 days 833	848		
8485.22.6.2.2	Shipping and Delivery of Plant to site	45 days Fri 04/02/22	Sun 20/03/22	20 days 847,853FF-60 ec	a) 856		
6 8495.22.6.3	Chemical Transfer Pumps, EQT026	416 days Fri 29/01/21		507 days			
50 8505.22.6.3.1	Manufacturing and Factory Acceptance Test of Plant	180 days Fri 29/01/21	A CONTRACTOR OF	191 days 837	851		
8515.22.6.3.2	Shipping and Delivery of Plant to site	45 days Fri 04/02/22	110023300444	20 days 850,853FF-60 ed	a) 856		
52 852 5.22.7	Site Installation Work	361 days Sat 09/04/22		313 days			
53 853 5.72.7.1	Tentative Civil Handover Date, Temporary Chemical Dosing (Rev. 5)	1 day Thu 19/05/22	12-22-25-01	D days	845FF-60 edays,84		4 19/05
53 853 5.77.7.1 54 854 5.22.7.2	Tentative Civil Handover Date, Chemical Pipe Trench (by others)	1 day Sun 01/05/22		51 days	#SGFF+S0 days		
55 8555.22.7.3	Commencement of E&M Installation at Temporary Chemical Doxing System	361 days Sat 09/04/22		313 days	and the second second		
and the second second	Commencement of E&M Installation at remporary Chemical Dosing System Mechanical Installations for E&M Equip, for Chemical Dosing System	90 edays Sat 09/04/22		0 edays 854FF+50 days,1	2:85755+30 edays #5	ME - Dx 2"4 men	
		90 edays Mon 09/05/22	1011020230U	0 edays 85655+30 edays			
and the second second second	Electrical Installations for E&M Equip, for Chemical Dosing System	30 edays Sun 07/08/22	101 2010/2011	174 edays 856,857	859		
58 858 5.22.7.3.3	Site Acceptance Test for E&M Equip for Chemical Dosing System			0 edays 858,866FF	853		
59 8595.22.7.3.A	System Commissioning for E&M Equip for Chemical Dosing System	30 edays Mon 27/02/2	<ul> <li>CORPANSATION</li></ul>				Temp Chemical & Zaday
60 860 5.22.7.3.5	Risk Allowances for Completion of Processing Plant at Chemical Dosing System	7 edays Wed 29/03/2	Distance in the second	and the second second	1258		
61 861 5.22.7.3.6	Building Services Installations at Temp. Chemical Dosing System areas	314 days Fri 20/05/22	The second second	313 days			
62 852 5.22.7.3.6.1	Lighting and Power Distribution System, Temp. Chem	90 days Fri 20/05/22	11.0001600	O days 853	866,863	BS - Ax 4~6 men	
63 863 5.22.7.3.6.2	Fire Services Installation, DG Stores, Temp, Chem	90 days Thu 18/08/22		0 days 862	1194,1195,866,864	F5 - A x 4*6 men	
8645.22.7.3.6.3	Lightning Protection System, Temp. Chem	30 days Wed 16/11/23		0 days 863	865		
65 865 5.22.7.3.6.4	Mechanical Ventilation System, Temp. Chem	14 days Fri 16/12/22	Thu 29/12/22	0 days 864	866	MVAC - A x 4~6 men	
66 866 5.22.7.3.6.5	Testing and Commissioning of Building Services Installations, Temp. Chem	90 days Fri 30/12/22		0 days 862,863,865	859FF	B5 - C x 2~4 men	
67 867 5.23	Emergancy Generator House, Portion B7 & B-78 (PS 68.6.5)	1279 days Thu 01/10/20	Mon 01/04/2	0 days		12.2	
68 868 5.23.1	Planned Key Date Completion Date - KD18, Emergency Generator House	0.days Tue 01/06/21	Ive.01/06/21	Q.days BZ2FE		-	KD18 Intergence e. 01/96
69 8695.23.2	Planned Sectional Completion Date - Section 1, Emergency Generator House	0 days Mon 12/07/21	Mon 12/07/21	0 days 873FF,874FF	1		€ 12/97
70 870 5.23.3	Planned Sectional Completion Date - Section 2, Emergency Generator House	0 days Mon 01/04/24	Mon 01/04/24	O days 887FF			
Bernalia I	nk Project Summary 1 1 Late		Critical Split			- Milestone (Actual) +	
Basswing	Restore, Tentative 🜒 Summary 🛏 Hanual Summary 🗖 Oli	ical Numerous	Progress	Slock (Floot)	-	- 540	
oject: DE/2018/04 ate: Thia 25/03/21							

Prainage Bervices De				SHER WU HUI	Children's Possibility Pa	ant - Main Works Stage 1	Law Law
ID WBS	Task Name	Ouration Start between Task	Fielsh	Float Time Predecessors	Successors	Resource Names	дова, инг. 2009.         дов1, инг. 2009.         дов1, инг. 2009.         дов1, инг. 2009.         дов1, инг. 2009.         дов1, инг. 2009.         дов1, инг. 2009.         дов2, инг. 2009.         дов3, инг. 2009
8715.23.4	Design Submissions for Emergency Generator Set	Start and Finish 252 days Thu 01/10/20	Thu 10/06/21	33 days	-	-	
872 5.23.4.1	CDS081-10 - Civil and dimensional requirements drawings for Emergency Generator Hous				868FF		
8735.23.4.2	CDS061-Detailed Design for Emergency Generator Set	150 edays Thu 01/10/20			869FF		
8745.23.4.3	CDS034-6 - Detailed Design for Electrical Installations BS at Emergency Generator House,				876,881,869FF	-	
8755.23.5	Manufacturing and Delivery of Plant & Materials	285 days Thu 10/06/21					
876 5.23.5.1	Manufacturing and Factory Acceptance Test of Plant	240 days Thu 10/06/21		0 days 874	877		
877 5.23.5.2	Shipping and Delivery of Plant to Site	45 days Sat 05/02/22			day 882		
878 5.23.6	Site Installation Work	1000 days Thu 10/06/21				-	
CINE AND	Site Installation Work Tentative Civil Handover Date, Emergency Generator House (Rev. 5)	1 day Thu 19/05/22			856FF+50 days,82	721	anat
8793.23.6.1		1000 days Thu 10/06/21			eserreso certs,en		
8805.23.6.2	Commencement of E&M Installation at Emergency Generator House				682	1000	
8815.23.6.2.1	Application for EPD's Approval for Installation of Diesel Engine Generator	21 days Thu 10/05/21			884	-	
882 5.23.6.2.2	Installation and SAT of Emergency Power Generator and associated work, GH	60 days Wed 01/11/23			884	G5 - Ax 4 men	
883 5.23,6.2.3	Building Services Installation at Emergency Generator House	66 days Sun 31/32/23				-	
884 5.23.6.2.3.1	Fire Services Installation, GH	30 days Sun 31/12/23			885	F5 - A x 4~6 men	
885 5.23.6.2.3.2	Mechanical Ventilation System, GH	14 days Tue 30/01/24			886	MVAC - A x 4~6 men	
886 5.23.6.2.3.3	Lightning Protection System, GH	15 days Tue 13/02/24			887		
887 5.23.6.2.3.4	Testing and Commissioning of Building Services Installation, GH	7 days Wed 28/02/24			870FF	85 - A x 4~6 men	
8 888 5.24	Depdorization System, DOU 1, Portion 87 & 8-78 (PS 68.2.6)	1583 days Mon 02/12/19	Mon 01/04/2	0 days			
8895.24.1	Planned Key Date Completion Date - KD1B, DOU 1	0 days Tue 01/06/21	Tue 01/06/21	Q days 902EE.903EE			kpia poul ever
0 890 5.24.2	Planned Sectional Completion Date - Section 1, DOU 1	0 days Mon 12/07/21	Mon 12/07/2	1 0 days 904FF			€ <sub>1</sub> 12/07
1 8915.24.3	Flanned Sectional Completion Date - Section 2, DOU 1	0 days Mon 01/04/24	Mon 01/04/2	0 days			
892 5.24.4	Selection of Plant and Materials	485 days Mon 02/12/15	Tue 30/03/21	50 days			
3 893 5.24.4.1	DOU - biotrickling filter (DOU No. 1), C11, ref. EQT001	194 days Mon 02/12/19		0 days			
4 8945.24.4.1.1	Submission for acceptance of purchasing package	120 days Mon 02/12/19		1310.00	895		
5 8955.24.4.1.2	Invitation of quotations for purchasing package	60 days Tue 31/03/20		0 days 894	896		
6 8965.24.4.1.3	Acceptance of conforming quotation (Completed)	14 days Sat 30/05/20		0 days 895	904	-	
	DOU - FRP air ductwork, C11, EQT047	120 days Tue 01/12/20		1.000			
7 8975.24.4.2		50 days Tue 01/12/20		0 days	899		
8 8985.24.4.2.1	Submission for acceptance of purchasing package	30 days Sat 30/01/21			900		
8995.24.4.2.2	Invitation of quotations for purchasing package				904		
9005.24.4.2.3	Acceptance of conforming quotation	30 days Mon 01/03/21			504		
1 901 5.24.5	Design Submissions for DOU No. 1	359 days Wed 15/07/20			-		
2 902 5.24.5.1	Electrical schematic drawings for Deodorisation Systems	90 days Wed 15/07/20			889FF		
3 903 5.24.5.2	CDS081-7 - Civil and dimensional requirements drawings for DOU No. 1	70 days Fri 28/08/20			889FF		
4 9045.24.5.3	CDS007-1 - Detailed Design for Deodorisation System, DOU No. 1	100 edays Tue 30/03/21			907,910,890FF		
5 905 5.24.6	Manufacturing and Delivery of Plant & Materials	299 days Fel 09/07/21	Tue 03/05/22	479 days			
6 906 5.24.6.1	DOU 1	299 days Fri 09/07/21	Tue 03/05/22	479 days			
907 5.24.6.1.1	Manufacturing and Factory Acceptance Test of Plant	240 days Fri 09/07/21	Sat 05/03/22	14 days 904	908		
8 908 5.24.6.1.2	Shipping and Delivery of Plant to site	45 days Sun 20/03/22	Tue 03/05/22	45 days 907,91355-60 e	day 916		
9 909 5.24.6.2	FRP Air Ductwork	299 days Fri 09/07/21	Tue 03/05/22	479 days	1		
9105.24.6.2.1	Manufacturing and Factory Acceptance Test of Plant	200 days Fri 09/07/21	Mon 24/01/2	54 days 904	911		
1 9115.24.6.2.2	Shipping and Delivery of Plant to Site	45 days Sun 20/03/22	Tue 03/05/22	45 days 910,91355-60 er	da) 916	1	
2 912 5.24.7	Site Installation Work	201 days Thu 19/05/22	Mon 05/12/2	434 days			
3 9135.24.7.1	Tentative Civil Handover, DOU 1 (Rev. 5)	1 day Thu 19/05/22	Thu 19/05/22	0 days	916FF+45 days,90	285	
4 9145.24.7.2	Tentative Civil Handover Date, underground air pipework for DOU 1 (by others)	2 day Mon 01/08/22			916FF+45 days		
5 9155.24.7.3	Commencement of E&M Installation at DOU 1	171 days Fri 17/06/22				State Inc. or	
6 9165.24.7.3.1	Mechanical Installations for DOU 1	90 edays Fri 17/06/22			91591755+30 edays_9	911ME - Fx 4~6 men	
9 9195.24.7.3.1 7 9175.24.7.3.2	Electrical Installations for DOU 1	90 edays Sun 17/07/22				an Shushel (Januar)	
7 9175.24.7.3.2 8 9185.24.7.3.3	Electrical Installations for DOU 1 Site Acceptance Test for DOU1	30 edays Sat 15/10/22		A REAL PROPERTY AND A REAL	919		
		21 edays Mon 14/11/22		A CONTRACTOR OF A CONTRACT	1258		
9 919 5.24.7.3.4	System Commissioning for DOU 1	1583 days Mon 02/12/14			Press.	1-	
9295.25	Deodorization System, DOU 2A, Portion 8-4 (PS 68.2.6)						KD18 DOU2 @ 01/66
9215.25.1	Planned Key Date Completion Date - KD18. DOU 2A	0 days Tue 01/06/21	177 C 10 C			1	€12/07
9225.25.2	Planned Sectional Completion Date - Section 1, DOU 2A	0 days Mon 12/07/21					
923 5.25.3	Planned Sectional Completion Date - Section 2, DOU 2A	0 days Mon 01/04/24			-		
924 5.25.4	Selection of Plant and Materials	194 days Mon 02/12/19	144,541	0 days			
5 925 5.25.4.1	DOU - activated carbon filter (DOU No. 2A, No. 3A, No. 3B), C11, ref. EQT028	194 days Mon 02/12/11		0 days			
926 5.25.4.1.1	Submission for acceptance of purchasing package	120 days Mon 02/12/19		C O days	927		
9275.25.4.1.2	Invitation of quotations for purchasing package	60 days Tue 31/03/20	Fri 29/05/20	0 days 926	928		
928 5.25.4.1.3	Acceptance of conforming quotation (Completed)	14 days Sat 30/05/20	Fri 12/06/20	0 days 927	930,951,972		
Restorius N			Critical Split	Manual Prog		Milastone (Actual) +	
No. of Lot of Lo	extone, Tentative Ø Sammary Manual Sammary I Or	Weat 1	Progress	Slack (Float)		_ Sed _	
ject: DE/2018/04							

	Irainaga Services D					i Effluent Polishing Pla	oosed Work Programme ant - Main Works Stage	a Treatment Facilities	
	was	Task Name	Duration Start between Task	Finish	Host Time Predecessors	Successors	Resource Names	2022 2023 2022 2022 2022 2022 2022 2022	2024 Hulf 1, 202
29	929 5.25.5	Design Submissions for DOU No. 2A	Start and Finish 200 days Tue 03/09/20	Sat 20/03/21	115 days				
30	930 3 25 5 1	CDS007-2 - Detailed Design for Deodorisation System, DOU No. 2A	200 edays Tue 01/09/20	Sat 20/03/21	0 edays 928	933,936,922FF	-		
1	931 5.25.6	Manufacturing and Delivery of Plant & Materials	345 days Sat 20/03/21	Sun 27/02/22	484 days		-		
12	932 5.25.6.1	DOU 2A	345 days Sat 20/03/21	10000000000	484 days		-		
33	933 5.25.6.1.1	Manufacturing and Factory Acceptance Test of Plant	300 days Sat 20/03/21	1-00-00 0P-01-1	D days 930	934	-		
1	934 5.25.6.1.2	Shipping and Delivery of Plant to site	45 days Fri 14/01/22	The second second	361 days 933	941			
15	935 5.25.6.2	FRP Air Ductwork	345 days Sat 20/03/21	the states of	484 days	· · ·			
16	936 5.25.6.2.1	Manufacturing and Factory Acceptance Test of Plant	300 days Sat 20/03/21	- G- 1000000	0 days 930	937	_		
1				122020202020		941			
1	937 5.25.6.2.2	Shipping and Delivery of Plant to site	45 days Fri 14/01/22 1 day Thu 23/02/23	1202040508.51.01	361 days 936	941		23/02	
18	938.5.25.7	Tentative Civil Handover, DOU 2A (Rev. 5)	a partition of a start of	10.000	0 days	_			
9	939 5.25.8	Site Installation Work	231 days Thu 23/02/23	A Service Service 1					Male
2	940 5.25.8.3	Commencement of E&M Installation at DOU 2A	231 days Thu 23/02/23		123 days 560		and the second		
1	941 5.25.8.1.1	Mechanical Installations for DOU 2A	90 edays Thu 23/02/23		0 edays 934,937	942	ME-Fx4~6 men		
12	942 5.25.8.1.2	Electrical Installations for DOU 2A	90 edays Wed 24/05/23	10.200	0 edays 941	943			
13	943 5.25.8.1.3	Site Acceptance Test for E&M Equip for DOU 2A	30 edays Tue 22/08/23	Thu 21/09/23	0 edays 962,963,942	544			
н	944 5.25.8.1.4	System Commissioning Test for DOU 2A	21 edays Thu 21/09/23	Thu 12/10/23	118.63 edays 943	1258			
s	945 5.26	Deodorization System, DOU 3A, Portion 87 & 8-78 (PS 68.2.6)	1313 days Fri 28/08/20	Mon 01/04/2+	0 days				+
6	946 5.26.1	Planned Key Date Completion Date - KD18, DOU 3A	Q days Tue 01/06/21	Tup 01/06/21	D.days SSOFE			која, рои 34. 🜒 01/06	
_	947 5.26.2	Planned Sectional Completion Date - Section 1, DOU 3A	0 days Mon 12/07/21	Mon 12/07/21	0 days 951FF		-	<ul><li>12/07</li></ul>	
18	948 5.26.3	Planned Sectional Completion Date - Section 2, DOU 3A	0 days Mon 01/04/24		0 days				
9	949 5.26.4	Design Submissions for DOU No. 3A	234 days Fri 28/08/20		85 days				
	950 5.26.4.1	CDS081-8 - Civil and dimensional requirements drawings for DOU No. 3A	200 days Fri 28/08/20		78 days	946FF			
1	951 5.26.4.2	COS007-3 - Detailed Design for Deodorisation System, DOU No. 3A	200 edays Thu 01/10/20		0 edays 928	954,957,947FF			
2	952 5.26.5	Manufacturing and Delivery of Plant & Materials	225 days Mon 19/04/21		634 days				
	1001000								
- I	953 5.26.5.1	DOU 3A	225 days Mon 19/04/21		634 days				
54	954 5.26.5.1.1	Manufacturing and Factory Acceptance Test of Plant	180 edays Mon 19/04/21		0 edays 951	955			
-	955 5.26.5.1.2	Shipping and Delivery of Plant to Site	45 edays Sat 16/10/21		0 edays 954	962			
4	956 5.26.5.2	FRP Air Ductwork	225 days Mon 19/04/21	0.0000000000000000000000000000000000000	634 days				
57	957 5.26.5.2.1	Manufacturing and Factory Acceptance Test of Plant	180 edays Mon 19/04/21	Sat 16/10/21	0 edays 951	958			
8	958 5.26.5.2.2	Shipping and Delivery of Plant to Site	45 edays Sat 16/10/21	Tue 30/11/21	0 edays 957	962			
59	959 5.26.6	Tentative Civil Handover, DOU 3A (Rev. 5)	1 day Thu 19/05/22	Thu 19/05/22	0 days			• 19/05	
60	960 5.26.7	Site Installation Work	171 days Twe 30/11/21	Fri 20/05/22	634 days				-
11	961 5.26.7.1	Commencement of E&M Installation at DOU 3A	171 days Tue 30/11/21	Fri 20/05/22	634 days	-	1000	- DOU JA, Main	_
12	962 5.26.7.1.1	Mechanical Installations for DOU 3A	120 edays Tue 30/11/21	Wed 30/03/22	0 edays 958,955	96355+30 edays,9	GME - Fx 4~6 men		
13	963 5.26.7.1.2	Electrical Installations for DOU 3A	90 edays Thu 30/12/21	Wed 30/03/22	0 edays 96255+30 edays	964,943			
54	964 5.26.7.1.3	Site Acceptance Test for E&M Equip for DOU 3A	30 edays Wed 30/03/22	Fri 29/04/22	0 edays \$62,\$63	965			
15	965 5.26.7.1.4	System Commissioning Test for DOU 3A	21 edays Fri 29/04/22	Fri 20/05/22	629 edays 964	1258			_
	966 5.27	Deodorization System, DOU 38, Portion 8-58 (PS 48.2.6)	1265 days Thu 15/10/20	Mon 03/04/2	0 days				_
7	967 5.27.1	Tentative Civil Handover Date, underground air pipework for DOU 38 (by others) (Rev. 5)	1 day Wed 17/08/22		0 days	982FF+30 days,97	0	0.17/08	
	968 5.27.2	Planned Key Date Completion Date - KD18, DOU 38	O days Two 01/06/21	C 21 2 C 2 2 2 2 2 2 2	Q.days		1	кона, рои зв 🝙 01/06	
	969 5.27.3	Planned Sectional Completion Date - Section 1, DOU 38	0 days Mon 12/07/21		0 days 972FF	-	100 C 100 P	a 12/07	
	970 5.27.4	Planned Sectional Completion Date - Section 2, DOU 38	0 days Mon 01/04/24		0 days				
- 1	971 5.27.5	Design Submissions for DOU No. 30	200 days Thu 15/10/20		71 days		1		
2	972 5.27.5.1	CDS007-4 - Detailed Design for Deodorisation System, DOU No. 38	200 edays Thu 15/10/20		O edays 928	975,978,969FF			
- 1	973 5.27.6	Manufacturing and Delivery of Plant & Materials	471 days Mon 03/05/21		374 days				
4	974 5.27.6.1	DOU 3B	471 days Mon 03/05/21		374 days				
5	975 5.27.6.1.1	Manufacturing and Factory Acceptance Test of Plant	180 edays Mon 03/05/21	Sat 30/10/21	231 edays 972	976			
16	9765.27.6.1.2	Shipping and Delivery of Plant to Site	60 edays Sat 18/06/22	Wed 17/08/22	0 edays 975,96755-60 ed	fay 982	1		
7	977 5.27.6.2	FRP Ale Ductwork	456 days Mon 03/05/21	Tue 02/08/22	389 days				
18	978 5.27.5.2.1	Manufacturing and Factory Acceptance Test of Plant	180 edays Mon 03/05/21	Sat 30/10/21	231 edays 972	979			
19	979 5 27.6.2.2	Shipping and Delivery of Plant to Site	45 edays Sat 18/06/22	Tue 02/08/22	15 edays 978,96755-60 ed	day 982			
	980 5.27.7	Site Installation Work	171 days Wed 17/08/22	Sat 04/02/23	374 days		1		_
1	981 5.27.7.1	Commencement of EEM Installation at DOU 38	171 days Wed 17/08/22		374 days	A REAL PROPERTY.	A COLORADOR	TOU 38. Math	
_	982.5.27.7.1.1	Mechanical Installations for DOU 38	120 edays Wed 17/08/22		0 edays 967FF+30 days,1	7(98355+30 eday= 54	ME-Fxd-Smen		
-	983 5.27.7.1.2	Electrical Installations for DOU 38	90 edays Fri 16/09/22		0 edays 98255+30 edays		and a second		
	984 5.27.7.1.3	Site Acceptance Test for E&M Equip for DOU 38	30 edays Thu 15/12/22		0 edays 982,983	985			
			21 edays Sat 14/01/23						
	985 5.27.7.1.4 986 5.28	System Commissioning Test for DOU 38	21 edays Sat 14/01/23 1278 days Sun 01/11/20		369 edays 984	1258			
-		Flowmeter and Valve Chambers, Portion 87 & 8-78 (PS 68.2.13)	1278 days Sun 01/11/20	Mied 01/05/2r	O days				

	Department				iui Effluent Polishing Pla	ent - Main Works Stage 1	or DE/2016/04 E&M Works for Servage Treatme	nt Facilities								AE
ID WBS	Task Name	Ouration Start between Task	Finish	Float Time Predecessors	Successors	Resource Names	2000 Hulf C 2020	Hur 2 2020	2021 Half 1, 2021	Half 2, 202	2022 Half L	1072 . In	ar 2, 2022	123 MI 1, 2023	2024 11 2, 2023 1 5 N J	1. 2024
9875.28.1	Planned Key Date Completion Date - KD18, Chambers	Start and Finish Q days Tice 03/06/21	Tue 01/06/21	O days 992FF			N N M M	1 S	1 n / KD10.0	M M M	S N I	THIM	IT S I N I	ITM M	I A LALA	1 "
9885.28.2	Planned Sectional Completion Date - Section 1, Chambers	0 days Mon 12/07/2								<b>a</b> 12/07						
9895.28.3	Planned Sectional Completion Date - Section 2, Chambers	0 days Man 01/04/2-				1	1					_				
9905.28.4	Planned Sectional Completion Date - Section 4, Chambers	0 days Wed 01/05/24		1 10/05/1												
9915.28.5	Design Submissions for Valve and Flowmeter Chambers	210 days Sun 01/11/20	100000000000000000000000000000000000000			the second second										
9925.28.5.1	CDS081-9 - Civil and dimensional requirements drawings for Valve and Flowmeter Chamber		Contraction of the second	3 days	987FF											
9935.28.5.2	CDS018 - Detailed Design for Flowmeter and Valve Chambers	90 edays Sun 01/11/20	and the second se	0 edays	995,988FF											
994 5.28.6	Manufacturing and Delivery of Plant & Materials	225 days Sat 30/01/21														
9955.28.6.1	Manufacturing and Factory Acceptance Test of Plant	180 days Sat 30/01/21			996	1			+							
9965.28.6.2	Shipping and Delivery of Plant to Site	45 days Thu 29/07/21		0 days 995	1000											
997 5.28.7	Tentative Civil Handover, Chambers (Rev. 5)	1 day Thu 19/05/22	Contraction of the second		1000							a 19/05				
997 5.28.7	Tentative Civil Handover, Chambers (Rev. 5) Site Installation Work	150 days Sun 12/09/21	and the second se	11111	-	12.00									and the last	
and the second second		Care of the Post of the set		COLUMN A	-							Chamber, Main				
	Commencement of Valves and Flowmeters Installation at Chambers	150 days Sun 12/09/21			-							Autochander				
1000 5.28.8.1.1	Installation of valves and flowmeters	90 days Sun 32/09/21		0 days 996	1001	ME-Cx4~6 men					1					
1001528.8.1.2	cables laying and terminations	60 days Sat 11/12/21			1258	EE - Ax 4~6 men										
	Underground Pipework, Modification and Connection Works, Portion 8-98 (PS 68.2.22)	1161 days Mon 01/03/2								18, UU .01/06						
1003 5.29.1	Planned Key Date Completion Date - KD18, UU	0 days Tue 01/05/21				Street States Co.			1	12/07						
1004 5.29.2	Planned Sectional Completion Date - Section 1, Underground Pipework	0 days Mon 12/07/21								12/01						
1005 5.29.3	Planned Sectional Completion Date - Section 4, Underground Pipework	0 days Wed 01/05/24			1 Annie	1										
5 1006 5.29.4	Design Submissions	90 days Mon 01/03/2														
1007 5.29.4.1	CDSD15 - Detailed Design for Underground Pipework Modification and Connection with the existing Bioreactor 1, 3 & 4 (Rev. 8)	90 edays Mon 01/03/21	sun 30/05/21	2.38 edays	1003FF											
1008 5.29.4.2	CDS016 - Detailed Design for Temporary Pumping System for maintaining the existing bioreactors 1, 3 and 4 operation (Rev. 8)	50 edays Mon 01/03/21	1 Tue 20/04/21	0 edays	1010,1004FF	-			-							
1009 5.29.5	Manufacturing and Delivery of Plant & Materials	1079 days Tue 20/04/21	Tue 07/04/24	16 days							_					L.
1010 5.29.5.1		180 days Tue 20/04/21	- COM-	854 days 1008	1011					1						
10103.29.5.1	Manufacturing and Factory Acceptance Test of Plant	45 days Sun 18/02/24														F
10115.29.5.2	Shipping and Delivery of Plant to Site	1 day Thu 18/04/24														
A CONTRACTOR OF	Tentathe Civil Handover, Road (Rev. 5)	16 days Fri 19/04/24		2021	101155-60 edays,	IC .										
1013 5.29.7	Site Installation	a second as the second second														
10145.29.7.1	Commencement of underground pipework modification and connection works	15 days Fri 19/04/24		0 days 0 days 1012	1016											
1015 5.29.7.1.1 1016 5.29.7.1.2	Temporary Flow Diversion and Road Excavation Work	3 days Fri 19/04/24 7 days Mon 22/04/24	100000000000000000000000000000000000000													
	Pipe Laying and connection works				1017											
1017 5.29.7.1.3	Pressure Tests	3 days Mon 29/04/24														
1018 5.29.7.1.4	Make Good	3 days Thu 02/05/24	1.5.1.1.2.1.1	0 days 1017	1005FF											
10195.30 10205.30.1	Temporary Filtrate Lifting Well and Eq. Tank, Portion B-38 (PS 68.2.16)	450 days Mos 02/03/20				Michael No.										
1020 5.30.1	Selection of Suppliers for major plant and materials and Civil Subcontractor for Temporary	195 days Mon 02/03/20 73 days Mon 02/03/20	a last period of Second													
	Mis - filtrate lift pumps and filtrate transfer pumps, C11, ref. EQT011						1000									
1022 5.30.1.1.1	Submission for acceptance of purchasing package	29 days Mon 02/03/20			1023											
1023 5.30.1.1.2	Invitation of quotations for purchasing package	30 days Tue 33/03/20			1024											
1024 5.30.1.1.3	Acceptance of conforming quotation and acceptance for Manufacture (Completed)	14 days Thu 30/04/20			1043,1046											
1025 5.30.1.2	Mis - Instrumentations	73 days Mon 02/03/20														
1026 5.30.1.2.1	Submission for acceptance of purchasing package	29 days Mon 02/03/20			1027											
1027 5.30.1.2.2	Invitation of quotations for purchasing package	30 days Tue 31/03/20			1028		-									
1028 5.30.1.2.3	Acceptance of conforming quotation and acceptance for Manufacture (Completed)	14 days Thu 30/04/20	1.11.10.14.1		1043,1049		-									
1029 5.30.1.3	Mis - Pipework (To be provided by Mechanical Sub-Contactor)	42 days Mon 03/08/20														
1030 5.30.1.3.1	Submission for acceptance of purchasing package	7 days Mon 03/08/20	1		1031			1								
1031 5.30.1.3.2	Invitation of quotations for purchasing package	14 days Mon 10/08/20		-	1032			-								
10325.30.1.3.3	Acceptance of conforming quotation and acceptance for Manufacture (Completed)	21 days Mon 24/08/20			1043,1052			Ť								
1033 5.30.1.4	Mis - Valve (To be provided by Mechanical Sub-Contractor)	42 days Mon 03/08/20														
1034 5.30.1.4.1	Submission for acceptance of purchasing package	7 days Mon 03/08/20			1035			1								
1035 5.30.1.4.2	Invitation of quotations for purchasing package	14 days Mon 10/08/20		0 days 1034	1036			-								
10365.30.1.4.3	Acceptance of conforming quotation and acceptance for Manufacture (Completed)	21 days Mon 24/08/20			1043,1055			+								
1037 5.30.1.5	Civil Work Subletting Package (Repeated W85 5.13.17)	19 days Tue 14/07/20	Sat 03/08/20	O days				-								
1038 5.30.1.5.1	Submission for acceptance of subletting package	3 days Tue 14/07/20		0 days	1039			1								
10395.30.1.5.2	Invitation of tender for subletting package	14 days Fri 17/07/20	Thu 30/07/20	0 days 1038	1040			4								
10405.30.1.5.3	Acceptance of conforming quotation and acceptance for Manufacture	2 days Fri 31/07/20	Sat 01/08/20	0 days 1035	1046,1049,1052,10	2										
1041 5.30.2	Design Submissions for Temporary Filtrate Ufting Well and Eq. Tank	34 days Tue 01/09/20	Sun 04/10/20	0 days				+++								
1042 5.30.2.1	CD5050-5 - Detailed Design for Lifting Appliances - Temp. Filtrate Eq. System, Existing Slud	30 edays Tue 01/09/20	Thu 01/10/20	0 edays 113	1071			T.								
										_	5111		1000	and the share of		14. J. J.
interior 1	ad Messone + Project Summary I I Late	-	Critical Split		opens -	- Misstone (Actual) +										-
and a second sec	Alestons, Tentative 🛛 Summary Manual Summary T- Critics	-	Progress	Slack (Four		- Slack										
ect: DE/2018/04																

ש	Drainage Se	and the second	10000				Shek Wu Hul Eff	fluent Polishing Pla	nt - Main Works Stage	for DE/2016/04 AE
	iD Wills	n	Task Name	Duration Start between Task	Fisiah	Float Time Pr	decessors	Successors	Resource Names	JOSD         JOST         JOST <th< th=""></th<>
1	1043 5.30.2	22	Design submission for E&M installation works for temp. filtrate eq. system	Start and Finish 21 days Mon 14/09/.	20 Sun 04/10/20	0 days 10	24.1028.1032.10	1045,1051,1048,1	0	
	1044 5.30.1	274 L	Manufacturing and Delivery of Plant & Materials	165 days Mon 05/10/					-	
	1045 5.30.3		Filtrate Lift Pumps and Filtrate Transfer Pump, EQT011	165 days Mon 05/10/	and the second second		41			
1	1000		Manufacturing and Factory Acceptance Test of Plant	120 days Mon 05/10/				1047		
	1047 5.30.3	1000	Shipping and Delivery of Plant to site (Delivered)	45 days Tue 02/02/2		0 days 10		1075		
	1047 5.30.3	14.00	Instrumentations	165 days Mon 05/10/	and the Colorest states			1010		
	1049 5.30.3		Manufacturing and Factory Acceptance Test of Plant	120 days Mon 05/10/		1		1050	-	
-	1049 5.30.3	2000	Shipping and Delivery of Plant to site	45 days Tue 02/02/2	11 11 11 11 11 11 11 11 11 11 11 11 11	0 days 10		1077		
1	1050 5.30.3	2012		165 days Mon 05/10/				Lorr		
-	1052 5.30.3		Pipework	120 days Mon 05/10/2	201000028-01-0M	1000		1053		
1	10000	Charles and	Manufacturing and Factory Acceptance Test of Plant Shipping and Delivery of Plant to site	45 days Tue 02/02/2	and the second se	0 days 10		1075		
	1053 5.30.3	Contract of the second	Shipping and Derivery of Planc to site Valve	165 days Mon 05/10/	and a second			10/3		
								1056	-	
_	1055 5.30,3		Manufacturing and Factory Acceptance Test of Plant	120 days Mon 05/10/2 45 days Tue 02/02/2						
	1056 5.30.3		Shipping and Delivery of Plant to site	a state of the test state of the	and the second se	0 days 10		1075		
- 1	1057 5.30.4	-	Site Installation Work	297 days Sat 01/08/20						
			Commencement of GVII Construction and L&M Installation at Temp. Filtrate Lifting Well			99 days		The second		
	1059 5.30.4		Civil Construction Work	297 days Sat 01/08/20						
1	1060 5.30.4		Civil on-site survey and report submission for acceptance	5 edays Sat 01/08/20		0 edays 10		1061,1062		
	1 1	-	Civil structural design and drawing submission for acceptance	30 days Fri 07/08/20		0 days 10		1063		
	1062 5.30.4		Site Clearance, UU diversion and construction of U-channel	21 days Fri 07/08/20		0 days 10		1063		
-	1063 5.30.4	77.63	ELS (Sheeting and Excavation)	60 days Sun 06/09/2				1064		
1	1064 5.30.4	V. Startes	Grouting Works	60 days Thu 05/11/2		0 days 10	27.1	1065		
9	1065 5.30.4	663574	RC structure works including cast-in Items	60 days Mon 04/03/2		0 days 10		1074,1071,1066		
	1066 5.30.4	1.1.1.7	Removal Formwork and Flasework	8 days Fri 05/03/21	Fri 12/03/21	0 days 10	65 3	1071,1072,1075,10	o	
	1067 5.30.4	1.1.1.8	Waterproofing	14 days Sat 13/03/21	Fri 26/03/21	0 days 10	66 1	1068		
	1068 5.30.4	1.1.1.9	Other architectual works and finishing works	60 days Sat 27/03/21	Tue 25/05/21	99 days 10	67 1	1085FF		
	1069 5.30.4	1.1.2	E&M Installation Work	34 days Sat 13/03/21	1 Thu 15/04/21	8 days				
	1070 5.30.4	1.1.2.1	Installation of Lifting Appliances at Temporary Filtrate Lifting Well and Eq. Tank	10 days Sat 13/03/21	1 Mon 22/03/2:	40 days	1			
	1071 5.30.4	1.1.2.1.1	GF MR LA-09-01 SWL 1t	7 days Sat 13/03/21	Fri 19/03/21	0 days 10	65,1042,1066 1	1073	LA-Ax4"6 men	
	1072 5.30.4	1.1.2.1.2	GF MR LA-09-02 SWL 11	7 days 5at 13/03/21	Fri 19/03/21	0 days 10	66 1	1073	LA-Ax4*6 men	
	1073 5.30.4	12.1.3	Site Acceptance test and loading test of LA	3 days Sat 20/03/21	Men 22/03/21	40 days 10	71,1072 1	1108FF	LA-Ax4"6 men	
	1074 5.30.4	6 C. C. C. C.	Mechanical Installations for Temp. Filtrate Lifting Well and Eq. Tank	21 days Fri 19/03/21	Thu 08/04/21	2 days 10	65 1	1078FS-30 days	Prese and a second second	
	1075 5.30.4	10000	Installation of pipework, chemical pipework and valves, EQT036	14 days Fri 19/03/21		0 days 10	66,1053,1056 1		ME - A x 4~6 men	
- 1	1076 5.30.4	3343CH -	Installation of pumps	7 days fri 02/04/21		0 days 10		1050	ME - A x 4~6 men	
1	1077 5.30.4	COMPANY -	Installation of Instrumentations, EQ1035-3	7 days Fri 19/03/21	and the second second	14 days 10		1080	ME - Ax 4~6 men	
1	1078 5.30.4	21212	Electrical Installations for Temp. Filtrate Lifting Well and Eq. Tank	34 days Sat 13/03/21			74FS-30 days			
	1079 5.30.4		Installation of cable trays and cable containments	21 days Sat 13/03/21		6 days 10		1080		
1	1080 5.30.4		Cables laying and terminations	7 days Fri 09/04/21	a structure and a structure of the		79,1076,1077 1			
1	1080 5.30.4		Cables laying and terminations Site Acceptance Test for E&M Equip at Filtrate Lifting Well and Eq. Tank	7 days Fri 15/04/21		0 days 10		1082		
1	1081 5.30.4			7 days Fri 23/04/21		2 days 10		1108£		
		1.1.0	System Commissioning for E&M Equip at Temp. Filtrate Lifting Well and Eq. Tank			and the second	· ·	110011	line warmen	
1	1083 5.31		Existing PST No. 4 and No. 6, Portion 0-3A (PS 60.2.15)	397 days Sat 01/06/20		0 days	1366			KD18 Fu P5746 # 97/05
	1084 5.31.1		Planned Key Date Completion Date - KD38	9.days Mon.07/06/2		0 days 11-		and the second second		
	1005 5.31.2		Planned Sectional Completion Date - Section 3, PST No. 4 and No. 6	0 days Wed 01/09/2			\$8FF,1169FF			∎(01/09
	1086 5.31.3		Selection of Suppliers for major plant and materials and Subcontractor for PST No. 4 and N			0 days				
	1087 5.31.3		Mis - Rotating Bridge Scrapers and associated materials, C11, ref. EQT037-1	42 days Sat 01/08/20		0 days				
	1088531.3		Submission for acceptance of purchasing package	7 days Sat 01/08/20		0 days		1089		
1	1089 5.31.3		Invitation of quotations for purchasing package	14 days Sat 08/08/20		0 days 10	1.1	1050		
J	1090 5.31.3		Acceptance of conforming quotation (Completed)	21 days Sat 22/08/20		0 days 10	19 1	1100		
	1091 5.31.3		Mis - Pipework, C11, ref. EQT037-2	42 days Sat 01/08/20	Contraction of the second	0 days				
	1092 5.31.3	12.222	Submission for acceptance of purchasing package	7 days Sat 01/08/20		0 days	16	1093		
1	1093 5.31.3	2.525	Invitation of quotations for purchasing package	14 days Sat 08/08/20	Fri 21/08/20	0 days 10	16. H	1094		
	1094 5.31.3	1.2.3	Acceptance of conforming quotation (Completed)	21 days Sat 22/08/20	Fri 11/09/20	0 days 10	1 1	1100	1	
	1095 5.31.3	1.3	Subletting of Electrical and Mechanical Installation Work w/ supply of LCP	#1 days Sat 26/09/20	Tue 15/12/20	0 days				
	1096 5.31.3		Submission for Subletting Package	30 days Sat 26/09/20	Sun 25/10/20	0 days 110	x0 3	1097	-	
I	1097 5.31.3	.3.2	Invitation to tender	21 days Mon 26/10/2	0 Sun 15/11/20	0 days 101	16 3	1098	-	
	1098 5.31.3		Acceptance of conforming tender (Completed)	30 days Mon 16/11/2	10 Tue 15/12/20	0 days 101	1 1	1115		
,	1099 5.31.4		Design Submissions	14 days Sat 12/09/20	Fri 25/09/20	0 days				
	1100 5.31.4		Design submissions for retrofitting the existing PST No. 4 and No. 6	14 days Sat 12/09/20		0 days 105	0,1094 1	103,1106,1096		
1	1.1.1			and the second sec	Constants.	100.10	and and a second	TAN TO PARTY AND TO PARTY		
Project	± DE/2018/0	Task Milest			Critical Split Program		Manual Progress Slack (Floot)	-	- Miestone (Actual) + Slack	
Date: 1	Thu 25/03/21	1								

Drainage Bervises De	partment			Shek Wu Hul	Effluent Polishing Pl	Iant - Main Works Stage	for DI/2018/04 1 EBM Works for Servage Treatment Facilities
io was	Task Name	Duration Start F between Task	inish Fia	pat Time Predecessors	Successors	Resource Names	2000         2001         2002         2002         2002         2003         2004         2005         2004         2004         2004         2004         2004         2004         2004         2004         2004         2004         2004         2004         2004         2004         2004         2004 <t< th=""></t<>
1 1101 5.31.5	Manufacturing and Delivery of Plant & Materials	Start and Finish 195 days Sat 26/09/20	hu 08/04/21	23 days			<u> </u>
1102 5.31.5.1	Rotating Bridge Scrapers and associated materials	195 days Sat 26/09/20		23 days			
1103 5.31.5.1.1	Manufacturing and Factory Acceptance Test of Plant	150 days Sat 26/09/20		0 days 1100	1104		
1104 5.31.5.1.2	Shipping and Delivery of Plant to site (Rev. 8)	45 days Tue 23/02/21	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23 days 1103	1121,1135	-	
1104 5.31.5.1.2	Snipping and Delivery of Hant to site (nev. 6) Pipework	120 days Sat 26/09/20 5		71 days			
6 1105 5.31.5.2		90 days Sat 26/09/20		0 days 1100	1107		
	Manufacturing and Factory Acceptance Test of Plant	30 days Fri 25/12/20		0 days 1105	1116		
07 1107 5.31.5.2.2	Shipping and Delivery of Plant to site						
11085.31.6	Tentative Civil Handover, Filtrate Lifting Well and Eq. Tank (Completion of work)	1 day Sat 01/05/21 3			1130,1132,1134		
09 1109 5.31.7	Site Installation Work	252 days Thu 01/10/20		0 days		1	
10 1110 5.31.7.1	Commencement of retrofitting the existing PST No. 4 and No. 6	252 days Thu 01/10/20		0 days	1000		
1111531.7.1.1	Temporary flow diversion of Filtrate from PST No. 4,	1 day Thu 01/10/20		0 days	1112		
12 1112 5.31.7.1.2	Dismantle and Removal of E&M Equipment at PST No. 6 (Completed)	60 days Fri 02/10/20		0 days 1111	1113		
3 1113 5.31.7.1.3	Temporary flow diversion of Filtrate from PST No. 6 (Completed)	7 days Tue 01/12/20	don 07/12/20	0 days 1112	1114		
14 1114 5.31.7.1.4	Dismantle and Removal of E&M Equipment at PST No. 4 (Rev. 8)	119 days Tue 08/12/20	don 05/04/23	0 days 1113	1116		
15 1115 5.31.7.1.5	Mechanical Installations of existing PSTs No. 4	56 days Tue 06/04/21	Mon 31/05/2:	0 days 1098			
6 11165.31.7.1.5.1	Installation of PST influent feed pipe	5 days Tue 05/04/21 5	at 10/04/21	0 days 1114,1107	1117	ME-Ax 4~6 men	
17 1117 5.31.7.1.5.2	Installation of circular baffle dilfuser box.	5 days Sun 11/04/21	hu 15/04/21	0 days 1116	1118	ME - Ax 4~6 men	
18 1118 5.31.7.1.5.3	Installation of scum baffle plates	5 days Fri 16/04/21	ue 20/04/21	0 days 1117	1119	ME - Ax 4*6 men	
19 1119531.7.1.5.4	Installation of scum box with collection valve and pipework	5 days Wed 21/04/21 5	COMPAREMENTS	0 days 1118	1120	ME - A x 4~6 men	
20 1120 5.31.7.1.5.5	Installation of v-notched weir plate	7 days Mon 26/04/21 5		0 days 1119	1121	ME - A x 4~5 men	
1121 5.31.7.1.5.6	Installation of center bearing and slip ring assembly for rotating bridge	5 days Mon 03/05/21 f		0 days 1120,1104	1122	ME - Ax 4~6 men	
2 1122 5.31 7.1 5.7	Installation of motor and gearbox assembly for rotating bridge	5 days Sat 08/05/21		0 days 1121	1123	ME-Ax 4~6 men	
1123531.7.15.8	Installation of moder and gearbox assembly for rotating shage	5 days Thu 13/05/21	1233-50-204	0 days 1122	1124,1126	ME - Ax 4~5 men	
	installation of removable FRP covers for effluent channel	14 days Tue 18/05/21	22.7 - 2 20 16 00 1	0 days 1123	1128	ME - Ax 4~6 men	
4 1124 5.31.7.1.5.9				3 days	1128	inc - Ax 4 o men	
5 1125 5.31.7.1.6	Electrical Installations of existing PSTs No. 4	10 days Tue 18/05/21	Contractor (1)		1128		
6 1126 5.31.7.1.6.1	installation of local control panels	5 days Tue 18/05/21 5		0 days 1123			
7 1127 5.31.7.1.6.2	cable laying and terminations	5 days Sun 23/05/21	20 AUX 20 AUX	3 days 1126	1128		
28 1128 5.31.7.1.7	Site Acceptance Test for E&M Equip at existing PST No. 4	5 days Tue 03/06/21 5	State of the state of the	0 days 1125,1124,1127	1143,1130		
29 1129 5.31.7.1.8	Mechanical installations of existing PSTs No. 6	39 days Sun 02/05/21		0 days			
30 1130 5.31.7.1.8.1	Installation of PST influent feed pipe	2 days Sun 06/06/21	Acn 07/06/21	0 days 1128,1108	1131	ME - Ax 4~6 men	
31 1131 5.31.7.1.8.2	Installation of circular baffle diffuser box	2 days Tue 08/06/21	Ved 09/06/21	0 days 1130		ME - A x 4~6 men	
1132 5.31.7.1.8.3	Installation of scum baffle plates	2 days Sun 02/05/21	don 03/05/21	0 days 1108	1133	ME - A x 4~5 men	
33 1133 5.31.7.1.8.4	Installation of scum box with collection valve and pipework	2 days Tue 04/05/21	Ved 05/05/21	0 days 1132		ME - Ax 4~6 men	
34 1134 5.31.7.1.8.5	Installation of v-notched weir plate	10 days Sun 02/05/21	ue 11/05/21	0 days 1108	1135	ME - Ax 4~6 men	
35 1135 5.31.7.1.8.6	Installation of center bearing and slip ring assembly for rotating bridge	3 days Wed 12/05/21 F	ri 14/05/21	0 days 1134,1104	1136	ME - Ax 4*6 men	
6 1136 5.31.7.1.8.7	Installation of motor and gearbox assembly for rotating bridge	2 days Sat 15/05/21 S	un 16/05/21	0 days 1135	1137,1140	ME - Ax 4*6 men	
37 1137 5.31.7.1.8.8	Installation of rotating bridge sludge and scum scraper assembly	3 days Mon 17/05/21	Ved 19/05/21	0 days 1136	1138	ME - Ax 4~6 men	
11385.31.7.1.8.9	installation of removable FRP covers for effluent channel	14 days Thu 20/05/21	Ved 02/06/23	0 days 1137	1142	ME - Ax 4~6 men	
9 1139 5.31.7.1.9	Electrical Installations of existing PSTs No. 6	7 days Mon 17/05/21 5	un 23/05/21	10 days	1142		
40 1140 5.31.7.1.9.1	Installation of local control panels	5 days Mon 17/05/21 F	ri 21/05/21	0 days 1136	1141	1	
41 1141 5.31.7.1.9.2	cable laving and terminations	2 days Sat 22/05/21 S		10 days 1140	1142		
1142 5.31.7.1.10	Site Acceptance Test for E&M Equip at existing PST No. 6	1 day Thu 03/06/21 T		0 days 1138,1139,1141			
43 1143 5.31.7.1.11	System Commissioning for E&M Equip at existing PST No. 4 and No. 6	3 days Sun 06/06/21 T		0 days 1128,1142	1084FF		
44 1144 5.32	Existing Main Power House Electrical, Portion 8-7A and 8-7B (PS 68.3.17)	42 days Thu 11/06/20		D days	D2544C		
No Shake Street		0 days Wed 22/07/20 Y		Q dans			K01A, Ext PH • 22/07
11455.32.1	Planned Key Date Completion Date - K03A	15 days Fri 12/06/20		0 days			
6 1146 5.32.2	Design Submissions for Existing Emergency Generator House		and the second	0 days 0 days 179	1151		
11475.32.2.1	Design submissions for EEM installation works of existing power house	15 days Fri 12/06/20 F		0.44	1151		
48 1148 5.32.3	Site Installation Work	39 days Thu 11/06/20 5		0 days			
49 11495.32.3.1	Tentative Civil Handover Date, Portion 8-7A & 7B area for modification of existing emerge	and a set of the set o		0 days			• 1/09
50 1150 5.32.3.2	Commencement of Modification of existing emergency generator Electrical Works	23 days Sat 27/06/20 S		û days	1.5.4 Th	A	
11515.32.3.2.1	Site survey and preparation work	1 day Sat 27/06/20 5		0 days 1147	1152		
2 1152 5.32.3.2.2	Modification of existing emergency generator electrical works	3 days Sun 28/06/20 T		0 days 1151	1153		
3 1153 5.32.3.2.3	Test the new switchboard for on-site mobile generator	2 days Wed 01/07/20 T	hu 02/07/20	0 days 1152	1154		
4 1154 5.32.3.2.4	Dismantling and removal the existing power & control cables	14 days Fri 03/07/20 T	hu 16/07/20	0 days 1153	1155		
5 1155 5.32.3.2.5	Take down existing generator to D5D (Completed)	3 days Fri 17/07/20 5		0 days 1154			
56 1156 5.33	Existing Sludge Press House, Portion B-10 (PS 68.2.11)	425 days Wed 01/07/20 5	un 29/08/21	3 days		1 A (7 - 5 - 5	
57 1157 5.33.1	Planned Key Date Completion Date - KD38	0 days Mon 07/06/21 M	fan 07/06/23	Q.days		D. S. Branking	карая, bas 544 🙍 07/06
58 1158 5.33.2	Selection of Suppliers for major plant and materials for Filter Presses	52 days Wed 01/07/20 F	ri 21/08/20	0 days		1	
-	A Milenana I I Late		Histori Spile	····· Nanual Progr		Missiene (Actual) +	
	estane, Tentative 🗣 Summary Manual Summary 🗖 Odd			Slack (Plave)	-	- Slick -	

Drainage Services Dep		Landa har here		Effluent Polishing Pla	osed Work Programm ant - Main Works Stage
ID W85 1	Task Mame	Duration Start Finish between Task Start and Finish	Float Time Predecessors	Successors	Resource Names
59 1159 5.33.2.1	Mis - new replacement filter plates and provision of filter cloths, C11, ref. EQT038	Start and Finish 52 days Wed 01/07/20 Fri 21/08/20	0 days		
60 1160 5.33.2.1.1	Submission for acceptance of purchasing package	21 days Wed 01/07/20 Tue 21/07/20	0 days	1161	
61 1161 5.33.2.1.2	Invitation of quotations for purchasing package	10 days Wed 22/07/20 Fri 31/07/20	0 days 1160	1162	
62 1162 5.33.2.1.3	Acceptance of conforming quotation (Completed)	21 days Sat 01/08/20 Fri 21/08/20	0 days 1161	1163	
63 1163 5.33.3	Design submission for replacement of filter plates	7 edays Fri 21/08/20 Fri 28/08/20	0 edays 1162	1165	
64 1164 5.33.4	Manufacturing and Delivery of Plant & Materials	345 days Sat 29/08/20 Sun 08/08/21	3 days		
165 1165 5.33.4.1	Manufacturing and Factory Acceptance Test of Plant	300 days 5at 29/08/20 Thu 24/05/21	0 days 1163	1166	
66 1166 5.33.4.2	Shipping and Delivery of Plant to site	45 days Fri 25/06/21 Sun 08/08/21	0 days 1165	1169	
67 1167 5.33.5	Site Installation Work	21 days Mon 09/08/21 Sun 29/08/21	3 days		
68 1168 5.37.5.1	Commencement of replacement of filter plates	21 days Mon 05/08/21 Sun 29/08/21	3 days	and the second second	a section of the
69 1169 5.33.5.1.1	Replacement of filter plates	21 days Mon 09/08/21 Sun 29/08/21		1085FF	1
170 1170 5.14	Fire Services Installation (PS 68.6.9)	1248 days Twe 01/12/20 Wed 01/05/2-			
171 1171 5.34.1	Planned Key Date Completion Date - KD18, Fire	0 days Tue 01/06/21 Tue 01/05/2:			
172 1172 5.34.2	Planned Sectional Completion Date - Section 1, FSI	0 days Mon 12/07/21 Mon 12/07/21			
No. Carbonet C.	Planned Sectional Completion Date - Section 1, Pai Planned Sectional Completion Date - Section 4, PSi	0 days Wed 01/05/24 Wed 01/05/24			-
11735.34.3			A CONTRACTOR OF		
174 1174 5.34.4	Design Submissions for FSI	334 days Tue 01/12/20 Sat 30/10/21	1 10 2 3 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		-
175 1175 5.34.4.1	CD5081-11 - Civil and dimensional requirements drawings for Fire Services Sprinkler Pump		100000000000000000000000000000000000000	1171FF	
176 1176 5.34.4.2	CDS049 - Detailed Design for Fire Services Include AFA, FS, FH, Sprinkler etc.	180 edays Mon 03/05/21 Sat 30/10/21		1180,1177,11726	
177 1177 5.34.5	DG Stores Submissions to FSD for approval	120 days Sun 31/10/21 Sun 27/02/22		118677	
178 1178 5.34.6	Site Installation Work	910 days Sun 31/10/21 Sat 27/04/24		1	1
179 1179 5.34.6.1	Commencement of Fire Services Installation	910 days 5un 31/10/21 5at 27/04/24		1	
1180 5.34.6.1.1	Design Review of Approved General Building Plan	126 days Sun 31/10/21 5at 05/03/22	the second se	1181	
181 1181 5.34.6.1.2	Submission of WWO542 for WSD's approval	270 days Sun 06/03/22 Wed 30/11/22	a second and a second	1182	
182 1182 5.34.6.1.3	Submission of WWO46 for WSD's Inspection	30 days Sat 07/10/23 Sun 05/11/23		3, 1183	
183 1183 5.34.6.1.4	Obtain WWO46 Part V	60 days Mon 06/11/23 Thu 04/01/24		1186,1184	
184 1184 5.34.6.1.5	FSD Inspection and Approval for MVAC	21 days Fri 05/01/24 Thu 25/01/24			
185 1185 5.34.6.1.6	FSD Inspection and Approval for DG Stores	21 days Wed 06/12/23 Tue 26/12/23	30 days 1194,1195,816	1187	
186 5.34.6.1.7	Submission of (FSI/314 & FSI/501) to FSD	14 days Fri 05/01/24 Thu 18/01/24	7 days 1194,1195,1183,	1:1187	
187 1187 5.34.6.1.8	Pre-inspection meeting with FSD	5 days Fri 26/01/24 Tue 30/01/24	0 days 1186,1184,1185	1188	
188 1188 5.34.6.1.9	Initial Inspection with FSD	15 days Wed 31/01/24 Wed 14/02/24		1189	
1189 5.34.6.1.10	Document Checking	45 days Thu 15/02/24 Sat 30/03/24		1190	-
190 1190 5.34.6.1.11	Re-inspections with FSD	14 days Sun 31/03/24 Sut 13/04/24		1191	
191 1191 5.34.6.1.12	Issue of acceptance memo by FSD	14 days Sun 14/04/24 Sat 27/04/24		1173FF	
191 1191 5.34.6.1.12 192 1192 5.34.6.1.13	Installation of FS Pumps and Sprinkler Pumps	60 days Mon 03/04/23 Thu 01/05/23		1195	FS-Ax4*6 men
192 1192 5.34.6.1.13 193 1193 5.34.6.1.14	Installation of FS Pumps and Sprinkter Pumps Installation of Fire Hydrant and Booster Pumps	60 days Mon 03/04/23 Thu 01/06/23		1195	FS-Ax4"6 men
193 1193 5.34.6.1.14 194 1194 5.34.6.1.15	Installation of Fire Hydrant and Booster Pumps SAT for Manual and automatic fire detection and alarm system	60 days Sat 07/10/23 Tue 05/12/23	and the second se	11/02	
CONTRACT CONTRACTOR	SAT for Manual and automatic fire detection and alarm system SAT for Fire hydrants, hose reels and street fire hydrant system	60 days Sat 07/10/23 Tue 05/12/23			
195 1195 5.34.6.1.16		421 days Thu 19/05/22 Thu 13/07/23			
196 1196 5.35	Fire Services Sprinkler Pumping Room, Portion 8-7 & 8-78 (PS 68.6.9)				ALCOUR
197 1197 5.35,1	Site Installation Work	421 days Thu 19/05/22 Thu 13/07/23		1195.1304	
198 1198 5.35.3.1	Tentative Civil Handover Date, FS Sprinkler Pump Room (Rev. 5)	1 day Thu 19/05/22 Thu 19/05/22		1199,1204	
199 1199 5.35.1.2	Commencement of E&M Installation at F5 & Sprinkler Pump Room	420 days Thu 19/05/22 Thu 13/07/23			
200 1200 5.35.1.2.1	Mechanical Installations for FS & Sprinkler Pumps	90 edays Thu 19/05/22 Wed 17/08/22		1201	
201 1201 5.35.1.2.2	Electrical Installations for FS & Sprinkler Pumps	90 edays Wed 17/08/22 Tue 15/11/22		1202,1205,1206,1	12
202 1202 5.35.1.2.3	Site Acceptance Test for FS & Sprinkler Pumps	45 days Wed 16/11/22 Fri 30/12/22	0 days 1201	1203	1
203 1203 5.35.1.2.4	System Commissioning for FS & Sprinkler Pumps	45 days Sat 31/12/22 Mon 13/02/22	325 days 1202	1185	1
204 1204 5.35.1.2.5	Building Services Installations at FS & Sprinkler Pump Room	240 days Wed 16/11/22 Thu 13/07/23	200 days 1198		
205 1205 5.35.1.2.5.1	Lighting and Power Distribution System, Chem 1&2	120 days Wed 16/11/22 Wed 15/03/21	0 days 1201	1208	
206 1206 5.35.1.2.5.2	Ughtning Protection System, FS & Sprinkler Pump Room	30 days Wed 16/11/22 Thu 15/12/22	90 days 1201.	1208	
207 1207 5.35.1.2.5.3	Mechanical Ventilation System, FS & Sprinkler PR	14 days Wed 16/11/22 Tue 29/11/22		1208	
208 1208 5.35.1.2.5.4	Testing and Commissioning of Building Services Installations, FS & Sprinkler PR	120 days Thu 16/03/23 Thu 13/07/23			
209 1209 5.36	Fire Hydrant and Booster Pumping Room, Pertion 87 & 8-78 (PS 68,6.9)	465 days Thu 19/05/22 Sat 26/08/23			
210 1210 5.36.1	Site Installation Work	465 days Thu 19/05/22 Sat 26/08/23			
210 12105.36.1	Site Installation work Tentative Civil Handover Date, Fire Hydrant and Booster Pumping Room (Rev. 5)	1 day Thu 19/05/22 Thu 19/05/22		856FF+50 days.12	11
212 1212 5 16.1.2	Tentative Civil Handover Date, Fire Hydrant and Booster Pumping Room (Rev. 5) Commencement of EBM Initialization at Street FH Pump Room	464 days Thu 19/05/22 Set 26/08/23		- ser - se esticit	1
Contra Adaptation of the		90 edays Thu 19/05/22 Wed 17/08/22		1214	Manager Child
213 1213 5.36.1.2.1	Mechanical Installations for Street FH Pumps	second mented as and and			
214 1214 5.36.1.2.2	Electrical Installations for Street FH Pump	90 edays Wed 17/08/22 Tue 15/11/22		1215,1218	1
215 1215 5.36.1.2.3	Site Acceptance Test for Street FH Pump				100
216 12165.36.1.2.4	System Commissioning for Street FH Pumps	45 days 5at 31/12/22 Mon 13/02/23	339 days 1215	1186FF	
5.16.1.2.4				-	Mitstore (Artur)
155.36.1.2.3 165.36.1.2.4	System Commissioning for Street FH Pump	s Project Summary 1	45 days, Wed 14/11/22 /H1 10/12/22 45 days 5at 31/12/22 Men 11/10/2/21	45 days Weed 16/11/22 Pri 30/12/22 0 days 1214 45 days 5xt 31/12/22 Main 13/02/21 339 days 1215	45 days Wed 16/11/22 Fr 30/12/22 0 days 1214 1226 45 days Sot 31/12/22 Mon 13/02/22 339 days 1215 1186FF

Status Date Sat 20/03/21

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DE\_2018\_04 Revited PG- (Rev 8, 2021-03)

Drainage Se	Services Depa	utineal			Ethluent Polishing Pl	osed Work Programme fo int - Main Works Stage 1
io was	S Ta	ask Name	Duration Start Finish between Task	Plast Time Predecessors	Successors	Assource Names
1217 5.36.	6125	Building Services Installations at Street FH Pump Room	Start and Fisish 284 days Wed 16/11/22 Sat 26/08/2	3 156 days	-	
1218 5.36.	ANY CONTRACT OF CONTRACT	Lighting and Power Distribution System, Street FH PR	120 days Wed 16/11/22 Wed 15/03/		1221,1219	
9 1219 5.35.	10-45 CA16	Lightning Protection System, Street FH PR	30 days Thu 15/03/23 Fri 14/04/23		1220,1221	-
0 1220 5.36	State State	Mechanical Ventilation System, Street FH PR	14 days Sat 15/04/23 Fri 28/04/23		1221	MVAC - A x 4*6 men
1 1221 5.35.		Testing and Commissioning of Building Services Installations, FH PR	120 days Sat 29/04/23 Sat 26/08/2			
2 1222 5.57	Contract of the second s	Plumbing installation (PS 60.6.8)	1049 days Tup 15/02/21 Tue 02/01/2		10000	-
3 1223 5.37.		Planned Sectional Completion Date - Section 1, Plumbing	0 days Thu 01/07/21 Thu 01/07/2			A DESCRIPTION OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OWNE
4 1224 5.37.		Design Submissions for Plumbing	134 days Tue 16/02/21 Wed 30/06/			
5 - COL - COL	CARE	and the second	134 edays Tue 16/02/21 Wed 30/06/	21	1228,1223FF	
5 1225 5.37.		CDS033 - Detailed Design for Plumbing System	915 days Thu 01/07/21 Twe 02/01/2		1120,1225ft	•
6 1226 5.37.		Site Installation Work	915 days Thu 01/07/21 Tue 02/01/	VIII WOODSEL		
7 1227 5.37.		Commencement of Plumbing Installation			1229	Pb-Ax4"6 men
# 1228 5.37.	the second s	Submission of detail design for acceptance	90 days Thu 01/07/21 Tue 28/09/3	the second second	2 Martin Contractor	and all and a second second
1229 5.37.		Submission of WW0542 for WSD's approval	355 days Wed 29/09/21 Sun 18/09/2	N Contraction of the second	COLORD COMPLEX	Pb - B x 4~6 men
0 1230 5.37.		Connection of External Pumping System (By others)	0 days Fri 15/09/23 Fri 15/09/21	Contraction of the second	1231	_
1 1231 5.37.		Submission of WWO46 for WSO's Inspection	45 days Mon 02/10/23 Wed 15/11/		1000	
2 1232 5.37.	7.3.1.5	Obtain WW046 Part V	45 days Thu 16/11/23 Sat 30/12/2		1233	
3 1233 5.37.	7.3.1.6	Tentative Date for connection of external water pipework (by others)	0 days Tue 02/01/24 Tue 02/01/2	4 0 days 1232		
4 1234 5.38		Photovoltaic Power System (PS 60.6.11)	1128 days Mon 01/03/21 Mon 01/04/	Zi O days		
5 1235 5.38.		Planned Sectional Completion Date - Section 1, BR ZA & 28	0 days Mon 12/07/21 Men 12/07/	23 0 days 1245FF		1
6 1236 5.38.		Planned Sectional Completion Date - Section 2, BR 2A & 2B	0 days Mon 01/04/24 Mon 01/04/	24 0 days 1253FF		
7 1237 5.38.	-	Selection of Suppliers for major plant and materials for BR 2A & 2B	73 days Mon 01/03/21 Wed 12/05/		1	
8 1238 5.38.		PV System (EQT041)	73 days Mon 01/03/21 Wed 12/05/			
9 1239 5.38.		Submission for acceptance of purchasing package	30 days Mon 01/03/21 Tue 30/03/2		1240	
0 12405.38		Invitation of guotations for purchasing package	21 days Wed 31/03/21 Tue 20/04/2		1241	
1 1240 5.38			21 days Wed 21/04/21 Tue 11/05/2		1242	
Contraction of the second	0.01037-02	Acceptance of conforming quotation	1 day Wed 12/05/21 Wed 12/05/		1242	
2 1242 5.38.	Standor 2	Commencement of Design Work			1544	
1243 5.38.		Design Submissions	49 days Wed 12/05/21 Wed 30/06/		-	-
4 1244 5.38.		CD5060 - Detailed Design for PV System	45 edays Wed 12/05/21 Sat 26/06/2	and the second s	1245	
5 1245 5.38.		Complete the CLP's Electronic Application Form and Upload Required Documents	4 days 5un 27/06/21 Wed 30/06/	CI CLOSED TAL	1235FF,1247	
6 1246 5.38.	18.5	Material ordering and delivery to site	767 days Thu 01/07/21 Sun 06/08/	Contraction of the second s		
7 1247 5.38	8.5.1	Manufacturing and Factory Acceptance Test of Plant	150 days Thu 01/07/21 Sat 27/11/2	572 days 1245	1248	
8 1248 5.38.	8.5.2	Shipping and Delivery of Plant to site	45 days Fri 23/06/23 Sun 06/08/2	3 0 days 1247,125055+12	0 1251	
9 1249 5.38.	8.6	Site Installation Work	345 days Thu 23/02/23 Fri 02/02/2	0 days		
0 1250 5.38.		Tentative Civil Handover Date, Portion 8-4, BR2A & 28 (Rev. 5)	1 day Thu 23/02/23 Thu 23/02/3	3 O days	124855+120 eday	\$
1 1751 5.38.	50 mm	Commencement of Site Installation Work	90 days Mon 07/08/23 Sat 04/11/2	0 days 1248	1252	PV - A x 4~6 men
2 1252 5.38.		Technical Assessment, System Test and Installation	60 days Sun 05/11/23 Wed 03/01/		1253	PV - A x 4~6 men
1252 5.38.	1000 million	CLP's smart meter installation and Final on-grid test with CLP	30 days Thu 04/01/24 Fri 02/02/24	Statistics and a second	1236FF	Call Street States (
4 1254 5.39	and the second s	Plant Commissioning	240 days Tue 12/09/23 Wed 06/05/	271	3944	And the second second
10000 States			0 days Wed 01/05/24 Wed 01/05/		A REAL PROPERTY.	A CONTRACTOR OF THE
1255 5.39.		Planned Sectional Completion Date - Section 4, Plant Commissioning				
6 1256 5.39.		Design Submission for Treatment Process Plant Testing & Commissioning	90 days Wed 01/11/23 Mon 29/01/	Charles and the second second second		
1257 5.39.3		Document Submission and Resubmission for T&C procedures	90 days Wed 01/11/23 Mon 29/01/			
8 1258 5.39,		System Commissioning Tests of the E&M systems at IW, PST, BR 2A&28, MFB No. 2, Chemica				di
19 1259 5.39.		MBR System Process Startup	35 days Thu 15/02/24 Wed 20/03/		1260	
10 1260 5.39.	9.5	Plant Commissioning	35 days Thu 21/03/24 Wed 24/04/		1263	
1 1261 5.39.	9.6	Overall commissioning of CCTV system	30 days Tue 12/09/23 Wed 11/10/	21 196 days 352,481,592,767	1263	
2 1262 5.39.	9.7	Overall commissioning of Facility Computerized Systems (SCADA, CMMS, PMS, IDMS)	28 days Mon 11/12/23 Sun 07/01/2	4 108 days 344,473,758,759	1263	
3 1263 5.39.		Overall Plant Commissioning and DSD pre-handover inspections	14 days Thu 25/04/24 Wed 08/05/	24 5 days 1260,1261,1262		
4 1264 5.40		CE No. 009 - Provision of an Additional Primary Sludge Thickening System	140 days Tue 14/07/20 Mon 30/11/			
1265 5.40		Detail Design Submission and Approval	77 days Tue 14/07/20 Mon 28/09/		1267	
1265 5.40. 1266 5.40.		Subletting, Procurement, Manufacturing and Delivery	120 days Fri 31/07/20 Fri 27/11/20			
CALCED TO A	6277	Subletting, Procurement, Manufacturing and Denvery Site Installation	40 days Sat 17/10/20 Wed 25/11/		1268	
1267 5.40	111 - L				1268 1269FF	
1268 5.40		Testing and Commissioning	5 days Thu 26/11/20 Mon 30/11/		110707	
1269 5.40.		Planned Completion Date	1 day Mon 30/11/20 Mon 30/11/			
12706		Beam Plus Submissions	1450 days Fri 01/05/20 Fri 19/04/24	11 A A A A A A A A A A A A A A A A A A		
1 1271 6.1		SA10 - Environmental Management Plan	1450 days Fri 01/05/20 Fri 19/04/24		39	
1272 6.2		SA11 - Air Pollution During Construction	1450 days Fri 01/05/20 Fri 19/04/24	19 days	39	
13 1273 6.3		SA12 - Noise During Construction	1450 days Fri 01/05/20 Fri 19/04/24	19 days	39	
14 1274 6.4		SA14 - Noise from Building Equipment	1450 days Fri 01/05/20 Fri 19/04/24	19 days	39	
and as			and the second second	Constant .		
Recentles	Test	Allesiane + Project Summary       Late	Cristul Split	Manual Progr		Milestore (Actual) 🔹
Bernitan	Mier	ntene, Tentative 🖤 Summary 🕶 Manual Summary I Critic	cal Progress	Slack (Roat)	-	- Slick
ject DE/2018						

	Department				DI/2014/04 AEC DM Works for Sensage Treatment Facilities			
o was	Task Nerne	Duration Start between Task	Finish	Float Time	Predecessors	Successions	Resource Names	2009         2021         2022         2023         2024           w wit 2,2005         Holf 2, 2015         Holf
127565	SA15 - Light Pollution	Start and Finish 1450 days Fri 01/05/20	Fri 19/04/24	19 day	ys	39	_	
1276 6.6	MAP1 - Timber used for Temporary Works	1450 days Fri 01/05/20	Fri 19/04/24	19 day	ys	39		
1277 6.7	MAP2 - Use of Non-CFC Based Refrigerants	1450 days Fri 01/05/20	Fri 19/04/24	19 day	ys	39		
1278 6.8	MAP3 - Waste Management Plan	1450 days Fri 01/05/20	Fri 19/04/24	19 day	ys	39		
1279 6.9	MA2 - Modular and Standardized Design	1450 days Fri 01/05/20	Fri 19/04/24	19 day	ys	39		
1280 6.10	MA8 - Ozone Depleting Substances	1450 days Fri 01/05/20	Fri 19/04/24	19 day	ys	39		
1281 6.11	MA11 - Construction Waste Reduction	1450 days Fri 01/05/20	Fri 19/04/24	19 day	ys.	39		
1282 6.12	EUP1 - Minimum Energy Performance	1450 days Fri 01/05/20	Fri 19/04/24	19 day	ys	39		
1283 6.13	EU1 - Reduction of CO2 Emissions	1450 days Fri 01/05/20	Fri 19/04/24	19 day	ys	39		
1284 6.14	EU2 - Peak Electricity Demand Reduction	1450 days Fri 01/05/20	Fri 19/04/24	19 day	ys	39		
1285 6.15	EUG - Renewable Energy Systems	1450 days Frt 01/05/20	Fri 19/04/24	19 day	ys	39		
1286 6.16	EU9 - Energy Efficient Appliances	1450 days Fri 01/05/20	Contraction of the	19 day		39		
1287 6.17	EU10 - Testing and Commissioning	1450 days Fri 01/05/20	Fri 19/04/24	19 day	ys	39		
1288 6.18	EU11 - Operation and Maintenance	1450 days Fri 01/05/20	and the second second	19 day		39		
9 1289 6.19	EU12 - Meter and Monitoring	1450 days Fri 01/05/20	1000000000	19 day		39		
1290 6.20	WUP1 - Water Quality Survey	1450 days Fri 01/05/20	12.000	19 day		39		
1291 6 21	WUP2 - Minimum Water Saving Performance	1450 days Fri 01/05/20	A DESCRIPTION OF A DESC	19 day		39		
1292 6.22	WU1/WU6-Annual Water Use / Effluent Discharge to Foul Sewers	1450 days Fri 01/05/20	1.2.1.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	19 day		39		
1293 6.23	IEQP1 - Minimum Ventilation Performance	1450 days Fri 01/05/20	1110010000	19 day		39		
1294 6.24	IEQ1 - Security	1450 days fel 01/05/20		19 day		39	-	
5 1295 6.25	IEQ2 - Plumbing and Drainage	1450 days Fri 01/05/20		19 day		39		
6 1295 6.26	IEQ3 - Biological Contamination	1450 days fri 01/05/20		19 day		39		
7 1297 6.27	IEQ5 - Construction IAQ Management	1450 days Fri 01/05/20		19 day		39		
1297 6.27	IEQ5 - Construction and management	1450 days fri 01/05/20	1.	19 day		39		
1298 6.28	IEQ9 - Increased Ventilation	1450 days fri 01/05/20		19 day		39		
0 1300 6.30		1450 days Fri 01/05/20		19 day		39		
	IEQ11 - Localised Ventilation	1450 days Fri 01/05/20				39		
1301 6.31	IEQ12 - Ventilation in Common Areas	1450 days fri 01/05/20		19 day				
1302 6.32	IEQ13 - Thermal Comfort in Air - Conditioned Premises	1450 days Fri 01/05/20		19 day 19 day		39		
1303 6.33	IEQ16 / IEQ17 - Interior Lighting in Normally Occupied Area / Interior Lighting in Areas not Nor	1450 days Fri 01/05/20				39		
13047	Summary of compensation events notified							25/08
5 1305 7.1	Compensation Event (CE) No. 001, Special Arrangement in Reducing the Risk of the Spread of Novel Cor	1 day Tue 25/08/20						6 01/06
6 13067.2	Compensation Event (CE) No. 002, the Contractor's Site Accommodation by Modular Integrated Constru-	1 day Mon 08/06/2	21.000					€ 00/75 € 22/04
13077.3	Compensation Event (CE) No. 003, Designated Area for the Contractor's Site Accommodation in Works.	1 day Wed 22/04/2	- Contraction of the					
13087.4	Compensation Event (CE) No. 005, Designated Area for the Contractor's Storage Area in Works Area W/	1 day Wed 22/04/2						e 22/04
13097.5	Compensation Event (CE) No. 007, Employment of Temporary Staff under Anti-Epidemic Fund	1 day fri 10/07/20	Contraction of the	0 day				6 10/07
13107.6	Compensation Event (CE) No. 009, Provision of an Additional Primary Sludge Thickening System and Del	1 day Tue 14/07/20						6 14/07
1 13117.7	Compensation Event (CE) No. 011, Dismantling, relocating, disconnecting and re-installing of the existin	1 day? Fri 17/07/20	Fri 17/07/20	0 days	9			• 17/07

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