

# Monthly EM&A Report (October 2021)

0120/20/ED/0406 02

Contract No. SPW 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1



Ref.: DSDYLSTWEM00\_0\_0235L.21

12 November 2021

By E-mail and By Hand

AECOM 12/F Grand Central Plaza, Tower 2 138 Shatin Rural Committee Road Shatin, Hong Kong.

Attention: Mr YEUNG H. M. Simon

Dear Mr YEUNG,

## Re: Contract No. SPW 08/2020 Independent Environmental Checker for Construction of Yuen Long Effluent Polishing Plant Stage 1

## Verification of the Monthly EM&A Report (October 2021)

Reference is made to the Monthly EM&A Report (October 2021) by the ET with Fugro Document No. 0120/20/ED/0406 02 (the Report), which was received via e-mail dated 11 November 2021.

Having reminded that, in accordance with the Condition 3.6 of the EP-565/2019, it is the ET's responsibility to ensure all submitted EM&A data shall be true, valid and correct, we have no further comments and herewith verify that the Report has fulfilled the EP Condition 3.4 as having complied with the requirements set out in the EM&A Manual.

Please contact the undersigned or our Mr. Y.H. HUI should you have any questions on the matter.

Yours sincerely,

WONG Fu Nam Independent Environmental Checker

c.c.

DSD Fugro Mr LAM Yu Wang Mr YU Lap Bong

By E-mail By E-mail

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# **Document Control**

# **Document Information**

Project Title	Contract No. SPW 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1
Document Title	Monthly EM&A Report (October 2021)
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# **Client Information**

Client	Drainage Services Department	
Client Address	45/F, Revenue Tower, 5 Gloucester Road, Wan Chai, Hong Kong	
Client Contact	Mr. LAM Yu Wang	

# **Environmental Team**

Initials	Name	Role	Signature
LB	Alvin L.B. Yu	Environmental Team Leader	CV1
СҮ	Cyrus C.Y. Lai	Senior Environmental Consultant	
КН	Toby K.H. Wan	Assistant Environmental Consultant	- Coky

# **EXECUTIVE SUMMARY**

- i. This Monthly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. SPW 07/2020 "Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1". Drainage Services Department (DSD) has appointed Fugro Technical Services Limited (FTS) to undertake the Environmental Team services for the project and implement the EM&A works.
- ii. This is the 7th Monthly EM&A Report for the Contract which summaries findings of the EM&A programme during the reporting period from 1 October 2021 to 31 October 2021. As informed by the Contractor, major activities in the reporting month were:
  - Site formation works at PST no. 5 & 8;
  - Demolition of PST no. 5 & 6 by crusher and breaker;
  - Demolition of FST no. 7 & 8 by crusher and breaker;
  - Driven H-pile at IW & PST Stage 1 by 4 rigs;
  - Installation of sheet pile at Zone 2A;
  - Construction RC structure at 3 zone (Temp. sludge holding tank);
  - Back fill and reinstatement work at Zone 1 diversion area;
  - Demolition of changing room by crusher and breaker; and
  - Site formation work for temp. Water heater house.

## **Breaches of Environmental Quality Performance Limits (AL levels)**

- iii. No Action and Limit Level exceedance was recorded for air quality monitoring and construction noise monitoring in the reporting month.
- iv. No Action and Limit Level exceedance was recorded for water quality monitoring in the reporting month.
- v. No Action / Limit Level exceedance was recorded for noise levels at stations (NMS1 and NMS2) in close proximity to the two active ardeid night roosts (ANR1 and ANR2) observed within the Survey Area during the reporting month.
- vi. No Action / Limit Level exceedance for the ecological monitoring of birds in the reporting month.
- vii. No corrective actions were required according to the Event-Action Plans.



## **Land Contamination**

viii. Regular site inspection was carried out to ensure the recommended mitigation measures are properly implemented. Site investigation (SI) work was completed by 4<sup>th</sup> August 2021 and the signed final Contamination Assessment Report (CAR) for Mechanical Workshops was submitted on 9<sup>th</sup> November 2021.

## **Complaint Log**

ix. No complaints were received in the reporting period.

#### Notifications of any Summons and Successful Prosecutions

x. No notifications of summons and prosecutions were received in the reporting period.

#### **Reporting Change**

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

### **Future Key Issues**

xii. The main works will be anticipated in the next three months are as follow:

- Demolition of FST no. 5-8, & Waste Storage Area, Sludge Holding Tank, carpark, Consolidation Tank & Air Flotation Thickener;
- Sheet pile installation at IW & PST;
- Zone 2A, 2B & 3 diversion work;
- Construction RC structure at zone 3 (Temp. sludge holding tank & Temp. water heater house);
- Pipe Laying for Zone 3 diversion; and
- Enviro. GI at workshop & Air Floatation Thickener.



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# 1. INTRODUCTION

# 1.1 Background

- 1.1.1 The existing Yuen Long Sewage Treatment Works (YLSTW) is a secondary sewage treatment works, located at Yuen Long Industrial Estate serves Yuen Long Town, Yuen Long Industrial Estate and Kam Tin areas with a design capacity of 70,000 m<sup>3</sup> per day. Based on the latest planning data, the volume of sewage generation from the YLSTW catchment is estimated to increase to 150,000 m<sup>3</sup> per day after 20 years. In addition, since YLSTW has been operating for over 30 years and most of its facilities are of out-dated design and reaching the end of their design life, the environmental facilities of the plant will also be upgraded and hence improving the adjacent environment through upgrading the YLSTW to Yuen Long Effluent Polishing Plant (YLEPP). The Location of Proposed Yuen Long Effluent Polishing Plant is given in **Figure 1**.
- 1.1.2 YLSTW will be reconstructed in two stages to increase its capacity to 150,000 m<sup>3</sup> per day. The proposed works, as Stage 1 of the project, will firstly increase the treatment capacity to 100,000 m<sup>3</sup> per day. In the course of Stage 1 construction, about half of the existing facilities of YLSTW would be demolished, while the other half would be kept in operation to maintain the sewage treatment service for Yuen Long area.
- 1.1.3 The Project is a designated project under Schedule 2 of the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499) for which Environmental Impact Assessment (EIA) report and Environmental Monitoring and Audit (EM&A) Manual was approved by EPD (Register No.: AEIAR-220/2019) on 25 April 2019. The Environmental Permit (EP) (EP No. EP-565/2019) was issued by EPD on 26 April 2019.
- 1.1.4 Fugro Technical Services Limited (FTS) has been appointed as the Environmental Team (ET) by Drainage Services Department (DSD) to undertake the Environmental Team services for the Project and implement the EM&A works under the Contract No. DC/2019/10 Yuen Long Effluent Polishing Plant -Main Works for Stage 1 (hereinafter referred as "the Contract").
- 1.1.5 This is the 7th Monthly EM&A report to document the findings of site inspection activities and EM&A programme for this project from 1 October 2021 to 31 October 2021 (reporting period) and is submitted to fulfil Condition 3.4 of the EP and Section 12.4.1 of the EM&A Manual. According to Condition 4 of the EP, electronic reporting is provided on the internet website to facilitate public inspection of the report.



# 1.2 Project Organization

1.2.1 The Project Organization structure is shown in **Appendix B**. The key personnel contact names and numbers are summarized in **Table 1.1**.

Party	Position	Name	Telephone
Project Proponent (Drainage Services Department)	Engineer	Mr. Lam Yu Wang	2594 7473
Engineer's Representative	Chief Resident Engineer	Mr. Simon Yeung	9075 7172
(AECOM Asia Co. Ltd.)	Senior Resident Engineer	Mr. Patrick Leung	6124 8838
Independent Environmental Checker (Ramboll Hong Kong Limited)	Independent Environmental Checker (IEC)	Mr. F.N. Wong	3465 2805
Contractor (Paul Y CREC Joint Venture)	Environmental Officer	Ms. Iris Ho	5490 5271
Environmental Team (Fugro Technical Services Limited)	Environmental Team Leader (ETL)	Mr. Alvin Yu	3565 4373

Table 1.1 – Contact Information of Key Personnel

# 1.3 Construction Programme and Activities

- 1.3.1 The site layout plan of the project is shown in **Figure 1**.
- 1.3.2 The construction programme of this project is shown in **Appendix A**.

# 1.4 Works undertaken during the month

- 1.4.1 The main construction works carried out in the reporting period were as follow:
  - Site formation works at PST no. 5 & 8;
  - Demolition of PST no. 5 & 6 by crusher and breaker;
  - Demolition of FST no. 7 & 8 by crusher and breaker;
  - Driven H-pile at IW & PST Stage 1 by 4 rigs;
  - Installation of sheet pile at Zone 2A;
  - Construction RC structure at 3 zone (Temp. sludge holding tank);
  - Back fill and reinstatement work at Zone 1 diversion area;
  - Demolition of changing room by crusher and breaker; and
  - Site formation work for temp. Water heater house.
- 1.4.2 The environmental protection and mitigation measures corresponding to the main construction works implemented in the reporting period can be referred to **Appendix J**.



# 1.5 Status of Environmental Licences, Notification and Permits

1.5.1 A summary of the relevant permits, licenses and/or notifications on environmental protection for this project is presented in **Table 1.2**.

Permit/ Notification/ License	Reference No	Valid From	Valid Till
Environmental Permit	EP-565/2019	26-Apr-2019	NA
Notification of Works under APCO	461616	6-Nov-2020	NA
Construction Waste Disposal Billing Account	7038933	20-Nov-2020	NA
Registration as Chemical Waste Producer under WDO	WPN5213-528-P2796-03	4-Feb-2021	NA
Construction Noise Permit	GW-RN0218-21	18-Apr-2021	Expire on 17-Oct-2021
Construction Noise Permit	GW-RN0529-21	1-Aug-2021	Expire on 31-Oct-2021
Construction Noise Permit (Percussive Pilling)	PP-RN0051-21	1-Sep-2021	Expire on 30-Oct-2021 (Superseded by PP-RN0064-21
Construction Noise Permit (Percussive Pilling)	PP-RN0064-21	25-Oct-2021	Expire on 30-Oct-2021
Construction Noise Permit	GW-RN0720-21	18-Oct-2021	17-Apr-2022
Admission Ticket for Disposal of Special Waste at Landfill	Admission Ticket No. 16225	3-May-2021	2-Nov-2021 (Superseded by Admission Ticket No. 16485)
Admission Ticket for Disposal of Special Waste at Landfill	Admission Ticket No. 16331	25-Jun-2021	31-Oct-2021 (Superseded by Admission Ticket No. 16485)
Admission Ticket for Disposal of Special Waste at Landfill	Admission Ticket No. 16485	18-Sep-2021	Expire on 15-Oct-2021
Water Pollution Control Ordinance (CAP. 358) Licence pursuant to Section 20	WT00038102-2021	4-Aug-2021	31-Aug-2026
Marine Dumping Permit	Ref. Number: 468850, 468851 and 468852	Under Application	NA

Table 1.2 – Environmental Licenses, Notification and Permits Summary



# 2. AIR QUALITY

# 2.1 Monitoring Requirement

2.1.1 In accordance with the EM&A Manual, 1-hour Total Suspended Particulates (TSP) levels should be measured at the designated air quality monitoring stations to ensure that any deteriorating air quality could be readily detected and timely action shall be undertaken to rectify such situation. Impact 1-hour TSP monitoring was conducted for at least three times every 6 days when the highest dust impact occurs.

# 2.2 Monitoring Equipment

- 2.2.1 A portable direct reading dust meter was used to carry out the 1-hour TSP monitoring at the designated monitoring stations.
- 2.2.2 Wind data monitoring equipment is provided at the conspicuous locations for logging wind speed and wind direction near to the dust monitoring locations. The equipment installation location is agreed with the ER and the IEC.
- 2.2.3 The model of the air quality monitoring equipment used is summarized in **Table 2.1**.

Item Location Brand Model Equipment Serial No. 1 AM1 Model LD-5R 761105 SIBATA LD-5R Digital Dust Sibata Indicator 2 AM2 Model LD-5R 882149 Global 3 GL500-7-2 Wind Station 2012000974 Water

Table 2.1 – Air Quality Monitoring Equipment

# 2.3 Monitoring Methodology for Direct Reading Dust Meter

2.3.1 SIBATA LD-5R Digital Dust Indicator complete with appropriate sampling inlets are employed for 1-hour TSP measurement.

# Measuring Procedures

- a) Pulling up the air sampling inlet cover
- b) Changing the Mode 0 to BG
- c) Pressing Start/Stop switch
- d) Turning the knob to SENSI.ADJ and press it
- e) Pressing Start/Stop switch again
- f) Returning the knob to the position MEASURE slowly
- g) Pressing the timer set switch to set measuring time
- h) Removing the cap and start the measurement

## Equipment Calibration

1-hour dust meter should be calibrated at 1 year intervals. The calibration certificates are presented in **Appendix D**.



# 2.4 Maintenance and Calibration for Direct Reading Dust Meter

2.4.1 ET shall submit sufficient information to the IEC to prove that the instrument is capable of achieving comparable results to the HVS. The instrument should also be calibrated regularly, and the 1-hour sampling shall be determined periodically by the HVS to check the validity and accuracy of the results measured by direct reading method. The calibration certificate for the direct reading dust meter is provided in **Appendix D**.

# 2.5 Monitoring Locations

- 2.5.1 In accordance with the EM&A Manual, two air quality monitoring locations, namely AM1, AM2 are covered under Contract No. SPW 07/2020 "Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1".
- 2.5.2 The most updated locations are summarized in **Table 2.2** and the locations of the air monitoring stations shown in **Figure 2**.

Table 2.2 – Air Quality Monitoring Location

Monitoring Station	Location	
AM1	Topfine Machinery (China) Co. Ltd	
AM2	Squatter house at the west of YLSTW	

# 2.6 Monitoring Results

- 2.6.1 The schedule of air quality monitoring in reporting month is provided in **Appendix E**.
- 2.6.2 No Action / Limit Level exceedance was recorded for 1-hr TSP at AM1 and AM2.
- 2.6.3 No effect that arose from the other special phenomena and work progress of the concerned site was noted during the current monitoring month.
- 2.6.4 The weather conditions during the monitoring are provided in **Appendix K**.
- 2.6.5 The monitoring data of 1-hr TSP are summarized in **Table 2.3**. Detailed monitoring data are presented in **Appendix F**.

Monitoring Station	Average (μg/m³)	Range (μg/ m³)	Action Level (μg/ m³)	Limit Level (μg/ m³)	
	1-hour TSP				
AM1	47	33-63	291	500	
AM2	50	36-68	296	500	

Table 2.3 – Summary of Air Quality Monitoring Results

- 2.6.6 The Action and Limit Levels for air quality monitoring have been set and are presented in **Appendix C**.
- 2.6.7 The Event and Action Plan for air quality is given in **Appendix H**.
- 2.6.8 The wind data obtained from the on-site wind station during the reporting period is provided in **Appendix G**.



# 2.7 Comparison of 1-hr TSP Monitoring Results with EIA Predictions

2.7.1 The monitoring data of 1-hr TSP was compared with the EIA predictions as summarized in **Table 2.4**.

Monitoring Station	EIA ID	Predicted Maximum Hourly Average TSP Concentration (μg/ m <sup>3</sup> )	Maximum 1-hr TSP Monitoring Results in October 2021 (μg/ m³)		
	1-hour TSP				
AM1	ASR09		63		
AM2	ASR11	205-451	68		

## Table 2.4 – Comparison of 1-hr TSP data with EIA predictions

Notes:

Predicted TSP Concentration extracted from Table 3.20 of EIA Report, AEIAR-220/2019

2.7.2 The 1-hr TSP monitoring results at AM1 and AM2 were below the Predicted Maximum Hourly Average TSP Concentration in the approved Environmental Impact Assessment (EIA) Report.



# 3. NOISE

# 3.1 Monitoring Requirement

3.1.1 In accordance with the EM&A Manual, Leq (30min) monitoring is conducted at least once a week when there are Project-related construction activities being undertaken within a radius of 300 m from the monitoring stations. The monitoring is conducted during the construction phase between 0700 and 1900 on normal weekdays at the designated monitoring locations.

# 3.2 Monitoring Equipment

- 3.2.1 As referred to the requirements of the Technical Memorandum (TM) issued under the NCO, the sound level meters in compliance with the International Electro technical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications should be used for carrying out the noise monitoring. Immediately prior to and following each noise measurement, the accuracy of the sound level meter should be checked using an acoustic calibrator generating a known sound pressure level at a known frequency. The measurements may be accepted as valid only if the difference between calibration levels obtained before and after the noise measurement is less than 1.0 dB (94 dB ± 0.1 dB).
- 3.2.2 The model of the noise monitoring equipment used is summarized in **Table 3.1**.

Item	Brand	Model	Equipment	Serial No.
1	Casella	CEL-63X Series	Casella 63x Digital Sound Level Meter	0873599
2	Casella	CEL-63X Series	Casella 63x Digital Sound Level Meter	1488304
3	Casella	CEL-120/1	Casella 120 Acoustic Calibrator	4358251
4	Casella	CEL-120/1	Casella 120 Acoustic Calibrator	2383707
5	SENSOR	AR816	Anemometer	2136513

Table 3.1 – Construction Noise Monitoring Equipment

# 3.3 Monitoring Parameters and Frequency

3.3.1 The parameters and frequencies of impact noise monitoring is summarized in **Table 3.2**.

### Table 3.2 – Monitoring Parameters and Frequencies of Noise Monitoring

 3	
Parameter	Frequency
LAeq (30 min) (L10 and L90 will be recorded for reference)	At each station at 0700-1900 hours on normal weekdays at a frequency of once a week when construction activities are underway



# 3.4 Monitoring Methodology

- 3.4.1 Noise measurement should be conducted as the following procedures:
  - The monitoring station will set at a point 1m from the exterior of the sensitive receivers building façade and set at a position 1.2m above the ground. (In case façade measurement is not feasible on-site, a free field correction of +3dB(A) will be applied.)
  - The battery condition was checked to ensure good functioning of the meter.
  - Parameters such as frequency weighting, the time weighting and the measurement time will set as follows:
    - frequency weighting : A
    - time weighting : Fast
    - measurement time: 30 minutes
  - Prior to and after noise measurement, the meter shall be calibrated using the calibrator for 94.0 dB at 1000 Hz. If the difference in the calibration level before and after measurement is more than 1.0 dB, the measurement will considered invalid and repeat of noise measurement is required after re-calibration or repair of the equipment.
  - Noise measurement should be paused during periods of high intrusive noise if possible and observation shall be recorded when intrusive noise is not avoided.
  - Noise measurements shall not be made in fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in m/s. Calibration certificate of the anemometer is provided in **Appendix D**.

# 3.5 Maintenance and Calibration

- 3.5.1 Maintenance and calibration procedures should also be carried out, including:
  - The microphone head of the sound level meter and calibrator should be cleaned with a soft cloth at quarterly intervals.
  - The sound level meter and calibrator should be calibrated annually by a HOKLAS laboratory.
  - Relevant calibration certificates are provided in **Appendix D**.



# 3.6 Monitoring Locations

- 3.6.1 In accordance with the EM&A Manual, three noise monitoring locations, namely CM1, CM2 and CM3 are covered under Contract No. SPW 07/2020 "Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1".
- 3.6.2 The most updated locations are summarized in **Table 3.3** and the locations of the noise monitoring stations shown in **Figure 3**.

Monitoring Station ID	Location	Measurements
CM1	Squatter house at the north of YLSTW	Free Field
CM2	Squatter house at the west of YLSTW	Free Field
CM3	Squatter house at the east of YLSTW	Free Field

Table 3.3 – Construction Noise Monitoring Location

Note: Correction of +3 dB(A) shall be made to the free field measurements.

# 3.7 Monitoring Results

- 3.7.1 The schedule of noise monitoring in reporting month is provided in **Appendix E**.
- 3.7.2 No Action / Limit Level exceedance of location CM1, CM2 and CM3 was recorded for construction noise in the reporting month.
- 3.7.3 During the monitoring month, at CM2, road traffic from the squatter house at the west of Yuen Long STW was observed, at CM3, road traffic from the Nam Sang Wai Road was observed. No effect that arose from the other special phenomena and work progress of the concerned site for CM1 was noted during the current monitoring month.
- 3.7.4 No raining and wind with speed over 5 m/s was observed during noise monitoring according to the onsite observation. The weather conditions during the monitoring month are provided in **Appendix K**.
- 3.7.5 The noise monitoring data are summarized in **Table 3.4**. Detailed monitoring data are presented in **Appendix F**.

Time Period	Noise Monitoring Stations	L <sub>eq</sub> (30min) dB(A) (Range)	Action Level	Limit Level dB(A)
0700-1900 hrs on normal weekdays	CM1	53-60	When one	75
	CM2	60-66	documented complaint is	75
	CM3	59-63	received	75

Table 3.4 – Summary of Construction Noise Monitoring Results

Remark:

CM1, CM2 and CM3: Free-field measurement (+3 dB(A) correction has been applied).

# 3.7.6 The Action and Limit Levels for noise impact monitoring have been set and are presented in **Appendix C**.

3.7.7 The Event and Action Plan for noise is given in **Appendix H**.



# 3.8 Comparison of Noise Monitoring data with EIA Predictions

3.8.1 The noise monitoring data was compared with the EIA predictions as summarized in **Table 3.5**.

Monitoring Station	EIA ID	Maximum Predicted Mitigated Construction Noise Level L <sub>eq</sub> (30min) dB(A)	Maximum Construction Noise Level in October 2021 L <sub>eq</sub> (30min) dB(A)
CM1	NSR1	72	60
CM2	NSR2	74	66
CM3	NSR3	75	63

Table 3.5 - Comparison of Noise monitoring data with EIA predictions

Notes:

Predicted TSP Concentration extracted from Table 4.9 of EIA Report, AEIAR-220/2019

3.8.2 The construction noise monitoring results at CM1, CM2 and CM3 were below the Maximum Predicted mitigated Construction Noise Level in the approved Environmental Impact Assessment (EIA) Report (Register No.: AEIAR-220/2019).



# 4. WATER QUALITY

# 4.1 Monitoring Requirement

4.1.1 In accordance with the EM&A Manual, impact monitoring is conducted for three days per week at mid-flood and mid-ebb with sampling and measurement at the designated monitoring stations.

# 4.2 Monitoring Equipment

4.2.1 Equipment used for in-situ measurement and water sampling during impact water quality monitoring is summarised in **Table 4.1**. The equipment is in compliance with the requirements set out in the EM&A Manual. All in-situ monitoring instruments were calibrated by a HOKLAS-accredited laboratory. Calibration of temperature, DO, salinity, pH and turbidity is conducted in three month interval. Calibration certificates for the water quality monitoring equipment are attached in **Appendix D**.

Parameter	Equipment	Model	Range	Equipment Accuracy	Serial No.
Temperature, Dissolved Oxygen, Salinity, pH, Turbidity	YSI Water Quality Multipara meter Sonde	Temp: -5 to 50°C DO: 0-50mg/L DO%: 0-500%	Temp: ±0.2°C DO: ±0.1mg/L or 1% for 0-20mg/L; ±5% for 20-50mg/L Sal: ±2% of the reading	19E100633	
		xylem EXO 3	vlem EXO 3 Sal: 0 to 70ppt pH: 0 to 14 pH units Turb: 0- 4000NTU	or 0.2 ppt (whichever greater) pH: ±0.2 units Turb: ±3% or 0.3NTU (FNU) (whichever greater)	19E100634
Current Velocity and Direction	Mod Current Meter Ri	Valeport Model 106	Speed: 0.03 to 5 m/s Direction: 0 to 360	Speed: ± 1.5% of reading above 0.15m/s, ± 0.004 m/s below 0.15m/s Direction: ± 2.5o	67738
		River Surveyor M9	Water Depth: 0- 80m	Water Depth: 1% Current speed: ±0.25% of measured velocity or ±0.2cm/s Current direction: ±2degree magnetic	5906
Water Sampling	Water Sampler	Acrylic Beta Water Bottle Kit,	NA	NA	NA

Table 11 Mater	Our ality	Manitaring	and Complin	a Fauinment
Table 4.1 – Water	Quality	womtoring	anu sampim	g Equipment



Parameter	Equipment	Model	Range	Equipment Accuracy	Serial No.
		Horizontal, 3.2L / 4.2L			
Positioning	DGPS	Simrad MX521B Smart Antenna with Simrad MX610 CDU	NA	GPS: ±1m	NA
Water Depth	Echo Sounder	Garmin ECHO 101	Maximum depth: 457.2 m	0.1 m	NA

# 4.3 Equipment Calibration

- 4.3.1 All in-situ monitoring instruments shall be checked, calibrated and certified by a laboratory accredited under HOKLAS before use and subsequently re-calibrated at three monthly intervals throughout all stages of the water quality monitoring programme. Responses of sensors and electrodes shall be checked with certified standard solutions before each use. Wet bulb calibration for a DO meter shall be carried out before measurement at each monitoring location.
- 4.3.2 Sufficient stocks of spare parts shall be maintained for replacements when necessary. Backup monitoring equipment shall also be made available so that monitoring is uninterrupted even when some equipment is under maintenance or calibration etc.

# 4.4 Monitoring Parameters

The monitoring parameters and frequency for both in-situ measurement and laboratory analysis are summarised in **Table 4.2**.

Table 1.2 Manitoring	Daramatore	and Fraguenc	. ,
Table 4.2 – Monitoring	raiameters	and riequenc	y

Parameters	Monitoring Frequency
<u>In-situ Measurement</u> Turbidity (in NTU), pH, DO (in mg/L and % of saturation), Temperature (in °C), Salinity (in ppt) <u>Laboratory Analysis</u> Suspended Solids	3 days per week, at mid-flood and mid-ebb tides (The interval between two sets of monitoring shall not be less than 36 hours.)

# 4.5 Monitoring Operation

- 4.5.1 The position of water monitoring station will be located by the Differential Global Positioning System (DGPS) or equivalent. The water depth of water monitoring station will be determined by the echo sounder affixed to the bottom of the monitoring vessel or a portable echo sounder depth detector.
- 4.5.2 Once the location and water depth are confirmed, water samples shall be collected at 3 depths (1m below the surface, mid-depth, and 1m above the seabed) of the water column at each location, except where water depth is less than 6m, the mid-depth will be omitted and if the



water depth is less than 3m only the mid-depth station will be monitored. Duplicate marine samples will be collected in each sampling event. The water samples are decanted from the water sampler into the water sample bottles. The bottles are labelled, tightly sealed, placed into a cool-box and packed with ice ready for delivery to the laboratory.

4.5.3 Two consecutive measurements of water quality data, including pH, salinity, dissolved oxygen and turbidity will be recorded according to the monitoring locations. Separate deployment of the monitoring instruments and water samplers will be conducted for the consecutive measurements or samplings. The monitoring location / position, time, water depth, sampling depth, tidal stages, weather conditions, sea condition and any special phenomena or work underway nearby shall also be recorded. If the difference in value between the first and second measurement of DO or turbidity parameters is more than 25% of the value of the first reading, the reading shall be discarded and further readings should be taken.

# 4.6 Laboratory Measurement / Analysis

Background

4.6.1 Fugro Technical Services Limited (HOKLAS Reg: No.015) has been appointed to conduct the laboratory measurement or analysis of water sample in this project.

Quality Assurance / Quality Control

4.6.2 The laboratory incorporates a variety of QA/QC monitoring programme into their testing system. Where applicable or available, the quality of the analysis will be monitored by conducting the following QC analysis:

For each batch of 20 samples:

- A minimal of 1 laboratory method blank will be analyzed;
- A minimal of 1 sample duplicate will be analyzed;
- A minimal of 1 sample matrix spike will be analyzed.

# 4.7 Monitoring Locations

- 4.7.1 In accordance with the EM&A Manual, water quality monitoring should be carried out at 3 designated monitoring locations.
- 4.7.2 The coordinates of the monitoring location stated in the EM&A Manual is summarised in Table4.3 and the locations of the water quality monitoring stations shown in Figure 4.

	Sampling Location	Easting	Northing
M1	Serve as the control station at upstream location of construction site (Flood Tide) / Serve as the impact station at downstream location of construction site (Ebb Tide)	821 086	836 656
M2	Serve as the impact station at downstream location of construction site (Flood Tide)/ Serve as the control station at upstream location of construction site (Ebb Tide)	820 996	836 246

Table 4.3 – Coordinates of Water Quality Monitoring Locations



	Sampling Location	Easting	Northing
M3	Serve as the impact station at downstream location of construction site (Flood Tide) / Serve as the control station at upstream location of construction site (Ebb Tide)	820 645	836 335

# 4.8 Monitoring Results

- 4.8.1 The schedule of water quality monitoring in reporting month is provided in **Appendix E**.
- 4.8.2 Impact water quality monitoring was conducted at all designated monitoring stations in the reporting month. Impact water quality monitoring results and graphical presentations are provided in **Appendix F**.
- 4.8.3 Typhoon Signal No. 8 was hoisted on 9 October 2021. Due to safety concerns, the water quality monitoring on 9 October 2021 has been cancelled. Typhoon Signal No. 3 was hoisted on 12 October 2021. Due to safety concerns, the water quality monitoring on 12 October 2021 has been cancelled.
- 4.8.4 The weather conditions during the monitoring are provided in **Appendix K**.
- 4.8.5 Number of Action/ Limit exceedance recorded in the reporting month at each impact stations is summarized in **Table 4.4**.

Sampling Location	Exceedance Level	DO		Turbidity		Suspended Solids		Total	
		Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb
N41	Action	0	0	0	0	0	0	0	0
M1	Limit	0	0	0	0	0	0	0	0
MO	Action	0	0	0	0	0	0	0	0
M2	Limit	0	0	0	0	0	0	0	0
	Action	0	0	0	0	0	0	0	0
M3	Limit	0	0	0	0	0	0	0	0
Total	Action	0	0	0	0	0	0	0	
Total	Limit	0	0	0	0	0	0	0	

#### Table 4.4 – Summary of Water Quality Exceedance

- 4.8.6 During the reporting period, no Action and Limit Level exceedance was recorded for water quality monitoring.
- 4.8.7 The Event and Action Plan for water quality is given in **Appendix H**.



# 5. ECOLOGY MONITORING

# 5.1 Ardeid Night Roost Monitoring

## 5.1.1 Monitoring Requirement

With reference to the Pre-construction Ardeid Night Roost survey (January 2021) findings that identified two active ardeid night roosts within 100 m from the Project boundary (one approximately 40 m east of the Project boundary and the other one approximately 45 m northeast of the Project boundary), consequent monthly monitoring of these active ardeid night roosts was done in accordance to the EM&A Manual Sections 7.3.10 and 7.3.11; and EIA Report Section 8.12.1.3.

The survey was conducted with the following objectives:

- Check the status and location of any active ardeid night roosts within 100 m from the Project boundary with reference to EM&A Manual Section 7.3.10;
- Monitor the effectiveness of proposed mitigation measures and detect any unpredicted indirect ecological impacts arising from the proposed Project as specified in **EIA Report Section 8.12.1.3**; and
- Recommend remedial actions, where appropriate, based on the impact monitoring results (EIA Report Section 8.12.1.3) for the implementation of the contractor as only necessary.

### 5.1.2 Monitoring Methodology

### 5.1.2.1 Monitoring Area

With reference from Section 7.3.10 of the approved EM&A Manual, the monitoring was conducted in areas within 100 m from the Project boundary. The monitoring area and vantage points for direct observation of any active night roosts are shown in Appendix O.

### 5.1.2.2 Monitoring Activity

### 5.1.2.2.1 Active Ardeid Night Roost

Current Survey focused on the two active night roosts within the Survey Area that were previously confirmed during the pre-construction Survey. These roosts include one that was approximately 40 m east of the Project boundary and another one around 45 m northeast of the mentioned boundary (Section 3 of the approved Pre-construction Survey Report of Ardeid Night Roost). Primary data collection with the use of 7x and 10x binoculars; and field guides including the Avifauna of Hong Kong (Carey et al., 2001) and The Birds of Hong Kong and South China (Viney et al., 2005), was from about one hour before sunset time until one hour after sunset with reference to Section 7.3.10 of the approved EM&A Manual. Sunset time was according to Hong Kong Observatory (HKO). The survey was conducted on 19 October 2021.



Species composition, abundance and locations of night roosts were recorded. Species composition, abundance and location of pre-roosting aggregations (PRA) were also noted. PRAs are gatherings of avian individuals prior to flying into a night roost (Moore and Switzer, 1998). The time of return of the ardeids to the pre-roost and the final night roost were also recorded. Direct observations were made from vantage points adjacent the Project site with clear and unobstructed view of any active roosting location (s) within the Survey Area. However, aside from the established vantage points for the focused mangrove strips along Shan Pui River, observations were also conducted throughout the whole 100 m study site to cover other areas aside from the mangrove strips.

Observations such any changes in site condition or disturbances detected or observed at the monitoring locations, including both construction and non-construction related activities, during the monitoring activity was recorded with reference to **Section 7.3.10 of the approved EM&A Manual**. Additionally, other observations such as bird droppings on the ground which may possibly indicate presence of night roosts were noted in addition to noting of the roosting substrate (i.e. substrate species and approximate height). Any breeding activity usage of the roosting locations within the Survey Area was also noted.

### 5.1.2.2.2 Noise Monitoring

### Monitoring Locations, Frequency, Time and Parameters

The noise monitoring locations were established at 22°28'4.25"N, 114°1'41.32"E; and 22°28'10.43"N, 114°1'42.17"E for NMS1 and NMS2 stations, respectively. Monitoring frequency was only once a month in concurrence with the construction phase monthly monitoring of the active night roosts for correlation. Monitoring time for both stations started around 18:03, the earliest final night roost period recorded during the survey, and lasted for 30 minutes. **Table 5.1** presents the monitoring parameters.

Table 5.1 – Noise Monitoring	Parameters (	For Active Ard	eid Night Roost	t Survey)
			· · · · · · · ·	· · · j,

Parameter	Frequency and Period
LAeq (30 min)	Monthly in concurrence with the construction phase
(L10 and L90 will be recorded for reference)	monthly monitoring of the active night roosts

The Action and Limit Levels for Active Ardeid Night Roost Survey have been set and are presented in **Appendix C**.

However, exceedances to the limit level were endeavoured to be prevented by the full implementation of mitigation measures (Section 4.2 of the approved Pre-construction Survey Report of Ardeid Night Roost and Sections 5.2.1-5.2.2 of this Report) during the construction phase.

### Event and Action Plan

In instances of exceedance/s in the action and/or limit levels, the different measures as specified in Table 3.3 Event and Action Plan for Construction Noise of the approved EM&A



Manual and likewise presented in Appendix H of this report shall be implemented as responses.

#### 5.1.3 Monitoring Results

#### 5.1.3.1 Active Ardeid Night Roost

The monitoring activity was conducted on 19 October 2021 and started around 16:55 (one hour before sunset) on a low tide condition. During the pre-roost period (PRP), the period when avian individuals (ind.) gather first before flying into a night roost, individuals of Chinese Pond Heron *Ardeola bacchus* (3 ind.), Great Egret *Ardea alba* (5 ind.) and Little Egret *Egretta garzetta* (7 ind.) were observed in pre-roost aggregate (PRA) around 16:55 on the exposed mudflat east side (ANR1) of the Project boundary. Additionally, individuals of similar species Chinese Pond Heron (5 ind.), Great Egret (9 ind.) and Little Egret (15 ind.) were also noted on the exposed mudflat northeast (ANR2) of the Project boundary during the period (**Table 5.2**). For the final night roost at around 18:03, Chinese Pond Heron individuals were observed at both the roosting areas ANR1 (14 ind.) and ANR2 (6 ind.). No disturbances (construction related and/or otherwise) to the active night roost areas was observed during the period. Bird droppings were observed within the vicinity of the roosting area located east of the Project boundary.



#### Table 5.2 – Active Ardeid Night Roost Survey Findings

Date: 19 October 2021 Sunset Time: 17:55							
			Tidal Con	dition: Low Tide			
Pre-roost Period				Final roost Period			
Time of Return:	Return: Chinese Pond Heron Ardeola bacchus, Great Egret Ardea alba an Little Egret Egretta garzetta (16:55)			Time of Return:	Chinese Pond Heron Ardeola bacchus (18:03)		
<b>.</b> .		Location			Loc	ation	
Parameters		ANR1	ANR2	Parameters	ANR1	ANR2	
Pre-roost Aggregati	on (Y/N):	Y	Y	Substrate Species:	Sonneratia apetala and S. caseolaris	Sonneratia apetala and S. caseolaris	
Substrate Species:		Sonneratia apetala and S. caseolaris	Sonneratia apetala and S. caseolaris	Substrate Height (m):	Approx. 5 m.	Approx. 3-4 m.	
Substrate Height (m	):	Approx. 5 m.	Approx. 3-4 m.				
		Abundance (individuals)		Ardeid Species	Abundance (individuals)		
Ardeid Species Com	position	ANR1	ANR2	Composition	ANR1	ANR2	
Chinese Pond Heron bacchus	Ardeola	3	5	Chinese Pond Heron Ardeola bacchus	14	6	
Great Egret Ardea all	ba	5	9				
Little Egret <i>Egretta g</i>	arzetta	7	15				
	<b>A</b> N	ANR1	Ν				
Breeding Activity (Y,	/N):	ANR2	Ν				

Notes:

Pre-roost Period: Period when avian individuals gather first before flying into a night roost

ANR1: Active ardeid night roost area east of the Project boundary

ANR2: Active ardeid night roost area northeast of the Project boundary

\*: individuals aggregated on the exposed mudflat

-: not recorded



## 5.1.3.2 Noise Monitoring

Noise monitoring activities were conducted on 19 October 2021 in concurrence with the construction phase monthly monitoring of the pre-identified active night roosts. Noise monitoring started at 18:03 and lasted for 30 minutes, until 18:33.

Current survey results showed noise levels ( $L_{Aeq}$  (30 min.)) at both monitoring stations to be well below the action and limit levels as presented in **Table 5.3**.

Frequency and Period	Location	Start Time	L <sub>Aeq</sub> (30 min.)	Action Level	Limit Level
Monthly in concurrence with the construction	NMS1	18:03	46.7		
phase monthly monitoring of the active night roosts	NMS2	18:03	43.8	65.5 dB(A) <sup>1</sup>	72.2 dB(A) <sup>2</sup>

Notes:

NMS1= Noise monitoring station 1 located east of the Project boundary

NMS2= Noise monitoring station 2 located northeast of the Project boundary

1= Behavioural response of some kind more likely to occur (Wright et al. 2010)

2= Flight with abandonment of the site becomes the most likely outcome of the disturbance (Wright et al. 2010)

### 5.1.4 Detection of Any Unpredicted Indirect Ecological Impacts Arising from the Project

No unpredicted indirect ecological impacts that arose from the project was noted during the current monitoring period.

#### 5.1.5 Summary

### 5.1.5.1 Status and Location of Any Active Ardeid Night Roost

Two active ardeid night roost areas (ANR1 and ANR2) were observed within the Survey Area during the October 2021 monitoring period. These roosts were located at the mangrove strips in the east and northeast portions of the Project boundary. These were used by individuals of Chinese Pond Heron.

#### 5.1.5.2 Noise Monitoring Results

Both noise levels at each of the monitoring stations were below the action and limit levels.

# 5.2 Ecological Monitoring of Birds

### 5.2.1 Monitoring Requirement

With reference to Section 7.3.6 of the EM&A Manual, monthly ecological monitoring of birds, focusing on avifauna species of conservation interest, and overwintering waterbirds utilising wetland habitats in Fung Lok Wai and Nam Sang Wai as well as along Shan Pui River and Kam Tin River within the monitoring area (500 m from the Project Boundary) in addition to monitoring on the utilization of wetland habitats by birds also within the same monitoring area as required by Section 7.3.1 of the EM&A Manual.



## 5.2.2 Monitoring Methodology

## 5.2.2.1 Monitoring Area

The monitoring area include wetland habitats in Fung Lok Wai and Nam Sang Wai as well as along Shan Pui River and Kam Tin River within 500m from the Project boundary with reference to **Section 7.3.6** of the **EM&A Manual**. The location of point count sites and transect routes is shown in **Appendix P**.

## 5.2.2.2 Monitoring Activity

Avifauna survey on the different wetland habitats using the transect count and point count methods was conducted on 15 October 2021 (day time survey) which started around 07:30. Meanwhile, the survey overlooking the mudflats and mangroves in the Shan Pui River was concurrently conducted on the same date with the day time survey during the low tide (generally 1.5m or below) period at around 11:15. The methodology for the monitoring activity followed **Sections 8.3.3.6** and **8.3.3.7** of the **EIA Report (AEIAR-220/2019)** and as detailed below.

For the transect count and point count methods, the presence and relative abundance of avifauna species at various wetland habitats were recorded visually and aurally.

Avifauna species were detected either by direct sighting or by their call and identified to species level. Any notable behaviours such as feeding, roosting and breeding were also recorded. Bird species encountered outside the point count locations and walk transects were also recorded. A comprehensive list of species recorded from the Assessment Area was prepared, with wetland-dependence, conservation and/or protection status indicated. Ornithological nomenclature in this report follows Carey et al. (2001), Viney et al. (2005) and the most recent updated list from Hong Kong Bird Watching Society (HKBWS).

Noise levels were recorded with the methodology and equipment as mentioned in **Section 3.4 and Section 3.2**, respectively, of this EM&A report. The parameter as shown in was recorded at each of the point count locations.

Parameter	Frequency and Location
LAeq (30 min) (L10 and L90 will be recorded for reference)	Monthly in concurrence with the monthly ecological bird monitoring at the different point count locations

Table 5.4 - Noise Monitoring Parameters

In addition to recording of noise levels, any changes in site condition or disturbances detected or observed at the monitoring locations, including both construction and non-construction related activities with reference to **Section 7.3.7** of the **EM&A Manual** were also noted.

### 5.2.2.3 Data Analysis

For the bird communities, the monitoring results were compared to pre-construction baseline condition during the dry and wet seasons as summarized in the Baseline Bird Survey Report



with reference to **Section 7.3.8** of the **EM&A Manual.** However, to further account the seasonality, monitoring results of the current month was compared to the results of the corresponding month of the baseline data.

The data for point count method and transect walk method were presented separately to account for the difference in the survey effort of the two methods. For each method, abundance and species composition of the avifauna communities during the monitoring month were summarized.

To check the presence of variation in bird abundance between baseline and impact monitoring, t-test was applied ( $\alpha = 0.05$ ). Moreover, to check the presence of variation in bird species diversity, the two-sided Hutcheson t-test was also used. The two-sided Hutcheson t-test was developed as a method to compare the diversity of two community samples using the Shannon diversity index (Hutcheson 1970). Shannon diversity index will be computed using the formula,

$$H^{-} = -\sum_{i=1}^{s} p_i ln p_i$$

where, H' = Shannon Diversity Index;  $P_i =$  proportion of the population of species; i; number of species in sample; In = natural logarithm. Shannon diversity index is used as it accounts the proportion (relative abundance) of each species; thus, it gives a better description of diversity than a plain number of species (species richness).

The Action and Limit Levels for ecological monitoring of birds have been set and are presented in **Appendix C**.

Wetland habitat utilization during the construction phase monitoring shall only be compared seasonally, hence the comparison shall only be done after all the data (dry season and wet season) were collected with reference to **Appendix 8.5** of the approved **EIA Report**.

# 5.2.3 Monitoring Results

Results of the avifauna survey on the different habitats within the monitoring area using the transect count and point count methods as conducted last 15 October 2021 (day time survey) are presented in **Sections 5.2.3.1** and **5.2.3.2**. Meanwhile, results for the surveys overlooking the mudflats and mangroves in the Shan Pui River, with monitoring activities conducted on similar date with the day time survey during the low tide (generally 1.5m or below) period which started around 11:15 had results presented in **Section 5.2.3.3**.

# 5.2.3.1 Abundance

# 5.2.3.1.1 All Avifauna Species

An overall total of 472 avifauna ind. was recorded in the monitoring area during the October 2021 monitoring period, of which 205 ind. were recorded from the point count method and 267 ind. from the transect walk method. Relative to the October 2016 baseline data (point count method = 157; and transect walk = 51), increases in total abundances in both methods were observed during the current period. These findings are summarized in **Table 5.5**.



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Abundance of all Avifa	auna Species			
Point Count Method				
EIA Report ID	EM&A Manual ID	Oct-16	Oct-21	Remarks
P1	FLW1	8	16	+
P2	FLW2	5	20	+
Р3	FLW3	6	11	+
P4	FLW4	13	8	-
P5	FLW5	13	27	+
P6	FLW6	12	13	+
P7	FLW7	18	11	-
Р9	SP/NSW3	51	32	-
P10	SP/NSW2	12	4	-
P11	NSW1	10	22	+
P12	SP/NSW1	9	41	+
	Total	157	205	+
	Mean	14.27	18.64	+
Transect Walk Method				
EIA Report ID	EM&A Manual ID	Oct-16	Oct-21	Remarks
Fung Lok Wai	FLW	51	211	+
Nam Sang Wai	NSW	0	16	+
YLIE-CW	YLIE-CW	0	40	+
	Total	51	267	+
	Mean	17	89	+

### 5.2.3.1.2 Avifauna Species of Conservation Importance

Of the 472 avifauna individuals recorded in the monitoring area during the October 2021 monitoring period, 235 ind. (point count method = 73 ind.; transect walk method = 162 ind.) were of conservation importance. With reference to October 2016 data, current results showed an insignificant decrease in total abundance of point count method (t-value = -0.55; p-value = 0.58;  $\alpha = 0.05$ ) while an increase transect walk method was noted. These findings are summarized in **Table 5.6**.

Abundance of Species of Conservation Importance							
Point Count Method							
EIA Report ID	EM&A Manual ID	Oct-16	Oct-21	Remarks			
P1	FLW1	2	7	+			
P2	FLW2	3	0	-			

Table 5.6 – Abundance of Species of Conservation Importance

Abundance of Spec	ies of Conservation Impo	ortance		
Р3	FLW3	3	0	-
P4	FLW4	10	3	-
P5	FLW5	9	6	-
P6	FLW6	9	0	-
P7	FLW7	13	3	-
P9	SP/NSW3	40	29	-
P10	SP/NSW2	11	1	-
P11	NSW1	2	5	+
P12	SP/NSW1	5	19	+
	Total	107	73	-
	Mean	9.73	6.64	-
				1
Transect Walk Method				
EIA Report ID	EM&A Manual ID	Oct-16	Oct-21	Remarks
Fung Lok Wai	FLW	35	126	+
Nam Sang Wai	NSW	0	12	+
YLIE-CW	YLIE-CW	0	24	+
	Total	35	162	+
	Mean	11.67	54	+

## 5.2.3.2 Diversity (Species Richness<sup>1</sup> and Shannon Diversity Index<sup>2</sup>)

### 5.2.3.2.1 All Avifauna Species

A total of 37 avifauna species (species richness) was recorded during the October 2021 monitoring period, of which, 31 spp. were recorded by the point count method while 27 spp. were noted by the transect walk method. Relative to the baseline data (point count method = 32 spp.; transect walk method = 13 spp.), decrease in total species richness by one species for the point count method was noted. In terms of Shannon diversity index (H'), increases from baseline reference values were observed both in point count method and transect walk method. Details of these findings are summarized in **Table 5.7**.

Shannon Diversity Index Value of all Avifauna Species							
Point Count Method							
EIA Report ID	EM&A Manual ID	Oct-16	Oct-21	Remarks			
P1	FLW1	1.56	1.16	-			
P2	FLW2	1.33	1.37	+			

Table 5.7 – Shannon Diversity Index Value of all Avifauna Species



<sup>&</sup>lt;sup>1</sup> actual number of species

<sup>&</sup>lt;sup>2</sup> use to account the proportion (in terms of relative abundance) of each species 0120/20/ED/0406 02 | Monthly EM&A Report (October 2021) Page 29 of 43

Shannon Diversity	Index Value of all Avifaur	na Species		
P3	FLW3	1.01	1.03	+
P4	FLW4	1.29	1.67	+
Р5	FLW5	1.63	1.85	+
P6	FLW6	1.10	1.74	+
Р7	FLW7	2.29	1.37	-
Р9	SP/NSW3	2.24	2.06	-
P10	SP/NSW2	1.47	1.04	-
P11	NSW1	1.66	1.51	-
P12	SP/NSW1	1.52	2.04	+
	Overall H'	2.93	3.01	+
	Species Richness	32	31	-
Transect Walk Method				
EIA Report ID	EM&A Manual ID	Oct-16	Oct-21	Remarks
Fung Lok Wai	FLW	1.83	2.11	+
Nam Sang Wai	NSW	**	1.49	+
YLIE-CW	YLIE-CW	**	1.91	+
	Overall H'	1.83	2.47	+
	Species Richness	13	27	+

Note:

\*\* no species recorded

### 5.2.3.2.2 Avifauna Species of Conservation Importance

Of the 37 species of avifauna identified during the October 2021 monitoring period, 11 species of conservation importance were identified from the point count method, while nine species from the transect walk method. Relative to the baseline values in October 2016, decrease in the number of species with conservation importance was recorded from the point count method while an increase in transect walk method was noted. In terms of H', no significant decline (t-value = 0.39; t-crit = 1.97; p-value =0.70;  $\alpha$  = 0.05) was observed from the point count method, from H' = 2.17 in October 2016 to H'=2.12 of the current period while an increase in the current H' was noted from the transect walk method with respect to the baseline value of H' = 0.75. Details of these findings are summarized in **Table 5.8** and **Appendix F.8**.

Table 5.8 – Shannon Diversity Index Value of Species with Conservation Importance
-----------------------------------------------------------------------------------

Shannon Diversity Index Value of Species with Conservation Importance				
Point Count Method				
EIA Report ID	EM&A Manual ID	Oct-16	Oct-21	Remarks
P1	FLW1	0	0.41	+
P2	FLW2	0.64	**	-



Shannon Diversity Ir	ndex Value of Species w	vith Conservation Imp	ortance	
Р3	FLW3	0	**	-
P4	FLW4	0.64	1.10	+
Р5	FLW5	0.85	0.45	-
P6	FLW6	1.00	**	-
P7	FLW7	1.99	0	-
Р9	SP/NSW3	1.79	1.86	+
P10	SP/NSW2	0.94	0	-
P11	NSW1	0	0	=
P12	SP/NSW1	1.05	1.56	+
	Overall H'	2.17	2.12	-
	Species Richness	13	11	-
Transect Walk Method				
EIA Report ID	EM&A Manual ID	Oct-16	Oct-21	Remarks
Fung Lok Wai	FLW	0.75	0.84	+
Nam Sang Wai	NSW	**	1.24	+
YLIE-CW	YLIE-CW	**	1.02	+
	Overall H'	0.75	1.29	+
	Species Richness	3	9	+

Note:

\*\* no species recorded

#### 5.2.3.3 Wetland Habitat Utilization

Avifauna communities were observed during the current monitoring period in the different wetland habitats, i.e. modified watercourse, ponds and mangrove.

With reference to **Section 7.3.1** of the **EM&A Manual**, the utilization of the wetland habitats by birds within the monitoring area was recorded and monitored.

#### 5.2.3.3.1 All Avifauna Species

During the current monitoring period, majority of the wetland habitats were less utilized by avifauna communities as evident with the very low (VL) abundances in these areas. However, among these habitats, low to medium (L-M) abundance was noted at the Active Ponds North to Nullah 2 in Fung Lok Wai. With regards to species richness, while some of the habitats were noted with none, very low or very low to low values, both the Active Ponds adjacent to Project site in Fung Lok Wai and Active Ponds North to Nullah 2 in Fung Lok Wai and Active Ponds North to Nullah 2 in Fung Lok Wai were observed with moderate to high (M-H) species richness during the period (**Table 5.9**).



Wetland Habitats	Area Description	Abundance <sup>1</sup>	Species Richness <sup>2</sup>
	Confluence of Shan Pui River and Kam Tin River	VL	VL-L
Modified Watercourse	Shan Pui River adjacent to Project site	VL	VL
	Upper course of Shan Pui River along YLIE	VL-L	L-M
Ponds	Active Ponds adjacent to Project site in Fung Lok Wai	VL-L	M-H
	Active Ponds North to Nullah 2 in Fung Lok Wai	L-M	M-H
	Inactive Ponds in Fung Lok Wai	VL	VL-L
	Active and Inactive Ponds in Nam Sang Wai	VL	VL-L
Mangrove	Mangrove within Assessment Area	VL	VL
Reedbed	Reedbed in Nam Sang Wai	-	-

Table 5.9 – Wetland habitat utilization of all avifauna sp	
	pecies

Notes:

 Abundance of avifauna species of conservation importance amongst wetland habitats within the assessment area: VL = Very Low (~<50 individuals); L = Low (~100 individuals); M = Moderate (~300 individuals); H = High (~500 individuals), VH = Very High (>700 individuals)

Species richness (total number of species) amongst wetland habitats within the assessment area: VL = Very Low (≤5 species); L = Low (~10 species); M = Moderate (~15 species); H = High (~20 species), VH = Very High (>25 species)
 -: no recorded individuals

Source: approved EIA Report (AEIAR-220/2019)

### 5.2.3.3.2 Avifauna Species of Conservation Importance

Wetland habitats were noted with none to very low (VL) abundances of species with conservation importance during the current monitoring period which then indicated a generally very low utilization of these areas. In terms of species richness, majority of the wetland habitats were also utilized by very low number (VL) of species (**Table 5.10**).

Wetland Habitats	Area Description	Abundance <sup>1</sup>	Species Richness <sup>2</sup>
	Confluence of Shan Pui River and Kam Tin River	VL	VL-L
Modified Watercourse	Shan Pui River adjacent to Project site	VL	VL
	Upper course of Shan Pui River along YLIE	VL	VL-L
Ponds	Active Ponds adjacent to Project site in Fung Lok Wai	VL	VL
	Active Ponds North to Nullah 2 in Fung Lok Wai	VL	VL
	Inactive Ponds in Fung Lok Wai	VL	VL
	Active and Inactive Ponds in Nam Sang Wai	VL	VL
Mangrove	Mangrove within Assessment Area	_	-

Table 5.10 - Wetland habitat utilization of avifauna species of conservation importance



Reedbed	Reedbed in Nam Sang Wai	-	-

Notes:

- Abundance of avifauna species of conservation importance amongst wetland habitats within the assessment area: VL = Very Low (~<50 individuals); L = Low (~100 individuals); M = Moderate (~300 individuals); H = High (~500 individuals), VH = Very High (>700 individuals)
- 2. Species richness (total number of species) of conservation important species amongst wetland habitats within the assessment area:

VL = Very Low ( $\leq$ 5 species); L = Low (~10 species); M = Moderate (~15 species); H = High (~20 species), VH = Very High (>25 species)

-: no recorded individuals

Source: approved EIA Report (AEIAR-220/2019)

#### 5.2.3.3.3 Overwintering Avifauna Species

Three winter visitor species including the Grey Heron *Ardea cinerea*, Great Cormorant *Phalacrocorax cardo* and Pied Avocet *Recurvirostra avosetta* were observed utilizing the wetland habitats within the survey area during this monitoring period. Still very low (VL) abundances and species richness of overwintering avifauna species were observed in the different wetland habitats (**Table 5.11**) which could imply the start of their migration to the area relative to the coming dry season.

Wetland Habitats	Area Description	Abundance <sup>1</sup>	Species Richness <sup>2</sup>
	Confluence of Shan Pui River and Kam Tin River (MW1)	VL	VL
Modified Watercourse	Shan Pui River adjacent to Project site (MW2)	-	-
	Upper course of Shan Pui River along YLIE (MW3)	VL	VL
Ponds	Active Ponds adjacent to Project site in Fung Lok Wai (P1)	-	-
	Active Ponds North to Nullah 2 in Fung Lok Wai (P2)	VL	VL
	Inactive Ponds in Fung Lok Wai (P3)	VL	VL
	Active and Inactive Ponds in Nam Sang Wai (P4)	-	-
Mangrove	Mangrove within Assessment Area	-	-
Reedbed	Reedbed in Nam Sang Wai	-	-

Table 5.11 – '	Wetland habitat	utilization of	overwintering	avifauna species	s
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Notes:

- Abundance of avifauna species of conservation importance amongst wetland habitats within the assessment area: VL = Very Low (~<50 individuals); L = Low (~100 individuals); M = Moderate (~300 individuals); H = High (~500 individuals), VH = Very High (>700 individuals)
- 2. Species richness (total number of species) of conservation important species amongst wetland habitats within the assessment area:

VL = Very Low ( $\leq$ 5 species); L = Low (~10 species); M = Moderate (~15 species); H = High (~20 species), VH = Very High (>25 species)

-: no recorded individuals

Source: approved EIA Report (AEIAR-220/2019)



#### 5.2.3.4 Noise Levels

Noise levels  $L_{Aeq}$  (30 min) recorded on 15 October 2021 (daytime) from each of the point count locations during the ecological bird monitoring are shown in **Table 5.12**.

Frequency and Period	I a anti a u	Daytime (15/10/2021)	
	Location	Start Time	L <sub>Aeq</sub> (30 min) dB(A)
	FLW1	09:13	46.6
	FLW2	08:49	51.0
	FLW3	08:51	56.6
	FLW4	09:44	51.0
Manthly in consurrance with the	FLW5	09:14	50.1
Monthly in concurrence with the	FLW6	09:21	57.5
ecological monitoring of birds	FLW7	09:33	50.5
	SP/NSW3	11:15	50.4
	SP/NSW2	11:08	43.9
	NSW1	10:16	48.5
	SP/NSW1	10:08	47.0

Table 5.12 – Noise Monitoring Results (For Ecological Monitoring of Birds)



# 6. LANDSCAPE AND VISUAL

### 6.1 Audit Requirements

6.1.1 According to the EM&A Manual, a Landscape Architect or related professional shall be employed to audit the implementation of landscape construction works particularly during site clearance operations when the proposed tree felling and transplanting will take place and subsequent maintenance operations. Site audits should be undertaken every week during the construction phase to check that the proposed landscape and visual mitigation measures are properly implemented and maintained as per their intended objectives. The mitigation measure recommended in the EIA Report as the audit requirements for landscape and visual, including: preservation of existing vegetation, transplanting of affected trees, compensatory tree planting, control of night-time lighting glare, erection of decorative screen hoarding and management of construction activities and facilities are summarized in **Appendix J**.

### 6.2 Results and Observations

- 6.2.1 To monitor and audit the implementation of landscape and visual mitigation measures, four weekly landscape and visual site audits were carried out on 6, 12, 20 and 27 October 2021.
- 6.2.2 No outstanding issues were reported during the reporting month. The ET Leader's Site Environmental Audit are summarized in **Appendix M**.



## 7. LAND CONTAMINATION

#### 7.1 Contamination Assessment Report

- 7.1.1 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the "Main Storeroom & Workshops" and the laboratory results for the sampling works (conducted between 30 June 2021 to 16 July 2021) show that there are no exceedances of the adopted RBRGs for the "Main Storeroom & Workshops". As no contaminated soil and groundwater was found within the "Main Storeroom & Workshops", no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the "Main Storeroom & Workshops". Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 13 August 2021. EPD had comments on 9 Sep 2021.
- 7.1.2 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the "Mechanical Workshop" and the laboratory results for the sampling works (conducted between 23 July 2021 to 4 August 2021) show that there are no exceedances of the adopted RBRGs for the "Mechanical Workshop". As no contaminated soil and groundwater was found within the "Mechanical Workshop", no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the "Mechanical Workshop". Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 27 September 2021.



## 8. SITE INSPECTION AND AUDIT

### 8.1 Site Inspection

- 8.1.1 Site audits were carried out by ET on weekly basis to monitor the implementation of proper environmental management practices and mitigation measures in the Project site.
- 8.1.2 In the reporting month, four site inspections were carried out on 6, 12, 20 and 27 October 2021.
- 8.1.3 No outstanding issues were reported during the reporting month. The ET Leader's Site Environmental Audit are summarized in **Appendix M**.

### 8.2 Advice on the Solid and Liquid Waste Management Status

- 8.2.1 The Contractor registered as a chemical waste producer for the Contract. Sufficient numbers of receptacles were available for general refuse collection and sorting.
- 8.2.2 The management of waste generated by the construction is presented in **Table 8.1**.

#### Table 8.1 – Waste Generated by the Construction and Disposal Ground

Types of Waste	Disposal Ground
Inert C&D Waste (Excluding slurry and bentonite)	Tuen Mun Area 38
Inert C&D Waste (For slurry and bentonite)	Tseung Kwan O Area 137
Non-inert C&D Materials	North East New Territories Landfill (NENT)

- 8.2.3 The monthly summary of waste flow table is detailed in **Appendix I**.
- 8.2.4 If off-site disposal is required, the excavated marine mud from the land-based works shall be disposed of at the designated disposal sites within Hong Kong as allocated by the Marine Fill Committee or other locations as agreed by the Director. The Contractor shall ensure no spilling and overflowing of materials during loading / unloading / transportation is allowed.
- 8.2.5 The Contractor was reminded that chemical waste should be properly treated and stored temporarily in designated chemical waste storage area on site in accordance with the Code of Practice on the Packing, Labelling and Storage of Chemical Waste.



## 9. NON-COMPLIANCE, COMPLAINTS, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS

### 9.1 Non-compliance (Exceedances of AL levels)

- 9.1.1 No Action / Limit Level exceedance was recorded for 1-hr TSP level at AM1 and AM2 in the reporting month.
- 9.1.2 No Action / Limit Level exceedance was recorded for construction noise at CM1, CM2 and CM3 in the reporting month.
- 9.1.3 No Action and Limit Level exceedance were recorded for water quality at M1, M2 and M3 in the reporting month.
- 9.1.4 No Action / Limit exceedance was recorded for noise levels at stations (NMS1 and NMS2) in close proximity to the active ardeid night roosts in the reporting month.
- 9.1.5 No Action / Limit exceedance was noted for the ecological monitoring of birds in the reporting month.
- 9.1.6 No corrective actions were required according to the Even-Action Plans.

### 9.2 Complaints, Notification of Summons and Prosecution

- 9.2.1 No environmental complaint, notification of summons and successful prosecution were received in the reporting month.
- 9.2.2 Cumulative complaint log, summaries of complaints, notification of summons and successful prosecutions are presented in **Appendix L**.
- 9.2.3 No corrective actions were required.



# 10. IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURE

### 10.1 Implementation Status

The Contractor had implemented environmental mitigation measures and requirements as stated in the EIA Report, the EP and EM&A Manual. Appendix J summarized the Implementation Status of Environment Mitigation Measures.

The status of required submissions under the EP as of the reporting period are summarized in **Table 10.1**.

EP Condition (EP-565/2019)	Submission Title	Submission Status
Condition 2.9	Construction Phase Emergency Response Plan	Submitted to EPD with ET certification and IEC verification, to be finalised and made available for public inspection via the dedicated website.
Condition 2.11	Pre-construction Ardeid Night Roost Survey Report	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
EM&A Manual Sec. 7.3.3 & 7.3.4	Baseline Bird Survey Report	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.12	Noise Mitigation Measures Plan	Submitted to EPD with ET certification and IEC verification, to be finalised and made available for public inspection via the dedicated website.
Condition 2.13	Proposal for Minimization of Overspill Light to Ecological Sensitive Areas	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Supplementary Contamination Assessment Plan	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for Main Storeroom & Workshops	Submitted to EPD with ET certification and IEC verification, to be finalised and made available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for Mechanical Workshop	Submitted to EPD with ET certification and IEC verification, to be finalised and made available for public inspection via the dedicated website.
Condition 2.15	Landscape and Visual Mitigation Plan	Submitted to EPD with ET certification and IEC verification, to be finalised and made available for public inspection via the dedicated website.
Condition 3.3	Baseline Monitoring Report	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 3.4	Monthly EM&A Report (from April to September 2021)	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.

#### Table 10.1 – Summary of EP Submissions Status



EP Condition (EP-565/2019)	Submission Title	Submission Status
Condition 3.5	Quarterly EM&A Report for April to June 2021	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 4.2	Environmental Monitoring Data from April to September 2021	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.



## 11. FUTURE KEY ISSUES

### 11.1 Construction Programme for the Next Three Month

- Demolition of FST no. 5-8, & Waste Storage Area, Sludge Holding Tank, carpark, Consolidation Tank & Air Flotation Thickener;
- Sheet pile installation at IW & PST;
- Zone 2A, 2B & 3 diversion work;
- Construction RC structure at zone 3 (Temp. sludge holding tank & Temp. water heater house);
- Pipe Laying for Zone 3 diversion; and
- Enviro. GI at workshop & Air Floatation Thickener.

### 11.2 Key Issues for the Coming Month

11.2.1 Potential environmental impacts arising from the above construction activities are mainly associated with construction dust, construction noise, waste management, ecology, land contamination and landscape and visual impact issues.

### 11.3 Monitoring Schedules for the Next Three Month

11.3.1 The tentative schedule for environmental monitoring in the coming three month is provided in **Appendix E**.



# 12. CONCLUSION AND RECOMMENDATION

### 12.1 Conclusions

- 12.1.1 1-hour TSP impact monitoring was carried out in the reporting month. No Action / Limit Level exceedance at AM1 and AM2 was recorded during the period.
- 12.1.2 Construction noise monitoring was carried out in the reporting month. No Action / Limit Level exceedance at CM1, CM2 and CM3 was recorded during the period.
- 12.1.3 No Action and Limit Level exceedance was recorded for water quality at M1, M2 and M3 in the reporting month.
- 12.1.4 Ardeid night roost monitoring was carried out in the reporting month. Two active ardeid night roost areas (ANR1 and ANR2) were observed within the Survey Area. These roosts were located at the mangrove strips in the east and northeast portions of the Project boundary. No Action / Limit Level exceedance at NMS1 and NMS2 was recorded during the period.
- 12.1.5 Ecological bird monitoring was carried out in the reporting month. No Action / Limit Level exceedance was recorded for the ecological monitoring of birds on this period.
- 12.1.6 Four environmental site inspections were carried out in the reporting month. Recommendations on mitigation measures for Permit/ Licenses were given to the Contractor for remediating the deficiencies identified during the site inspections.
- 12.1.7 Four landscape and visual site audits were carried out in the reporting month. Recommendations on mitigation measures for Permit/ Licenses were given to the Contractor for remediating the deficiencies identified during the site inspections.
- 12.1.8 Referring to the Contractor's information, no environmental complaint, notification of summons and successful prosecution was received in the reporting month.



### 12.2 Comment and Recommendations

- 12.2.1 The recommended environmental mitigation measures, as proposed in the EIA report and EM&A Manual shall be effectively implemented to minimize the potential environmental impacts from the Project. The EM&A programme would effectively monitor the environmental impacts generated from the construction activities and ensure the proper implementation of mitigation measures.
- 12.2.2 According to the environmental site inspections performed in the reporting month, the following recommendations were provided:

Air Quality Impact

• No specific observation was identified in the reporting month.

Construction Noise Impact

• No specific observation was identified in the reporting month.

Water Quality Impact

- Provide mitigation to prevent direct discharge of silt water into the storm drain.
- Gullies should de-silt near the main entrance of the piling area.
- The Contractor is reminded to provide sandbags along inner edge of U channel to prevent inflow of silty runoff.

Chemical and Waste Management

• No specific observation was identified in the reporting month.

Land Contamination

• No specific observation was identified in the reporting month.

Ecological Impact

• No specific observation was identified in the reporting month.

Landscape and Visual Impact

- Trees behind the dismantling changing room at south boundary should be properly protected according to GLTM of DevB recommended measures or specification for the project.
- Demolition of changing room ensure removal of concrete debris process do not causing unnecessary damage of branches by backhoe.
- Re-alignment of water barrier to enlarge Tree Protection Zone.
- Demolition works at changing room area should be handled with care to protect trees.

<u>Hazard to Life</u>

• No specific observation was identified in the reporting month.

Permit/ Licenses

• No specific observation was identified in the reporting month.

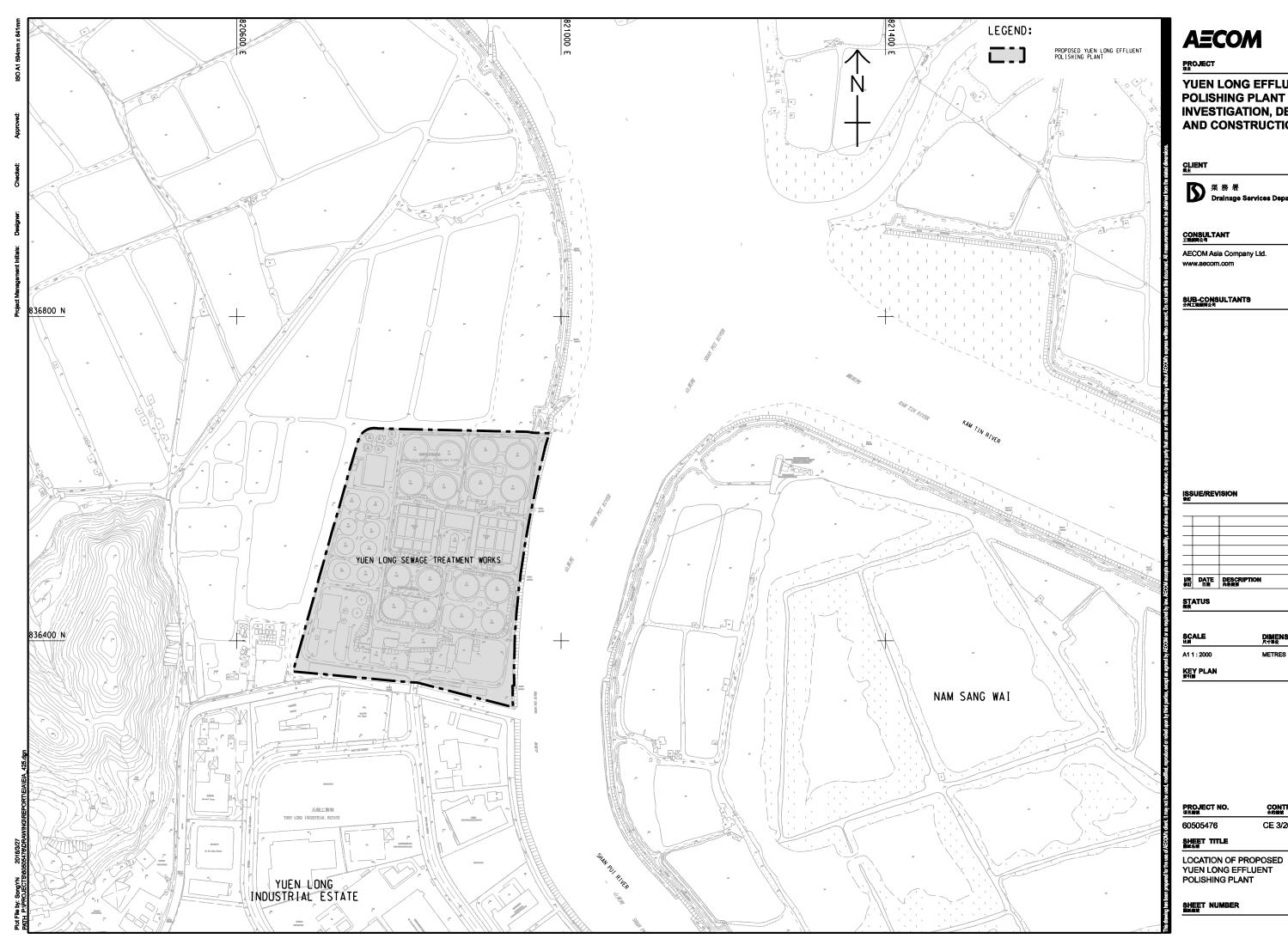


# Figure 1

Location of Proposed Yuen Long Effluent

**Polishing Plant** 





# AECOM

#### PROJECT

YUEN LONG EFFLUENT POLISHING PLANT -INVESTIGATION, DESIGN AND CONSTRUCTION

#### CLIENT #±



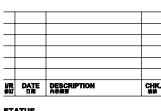
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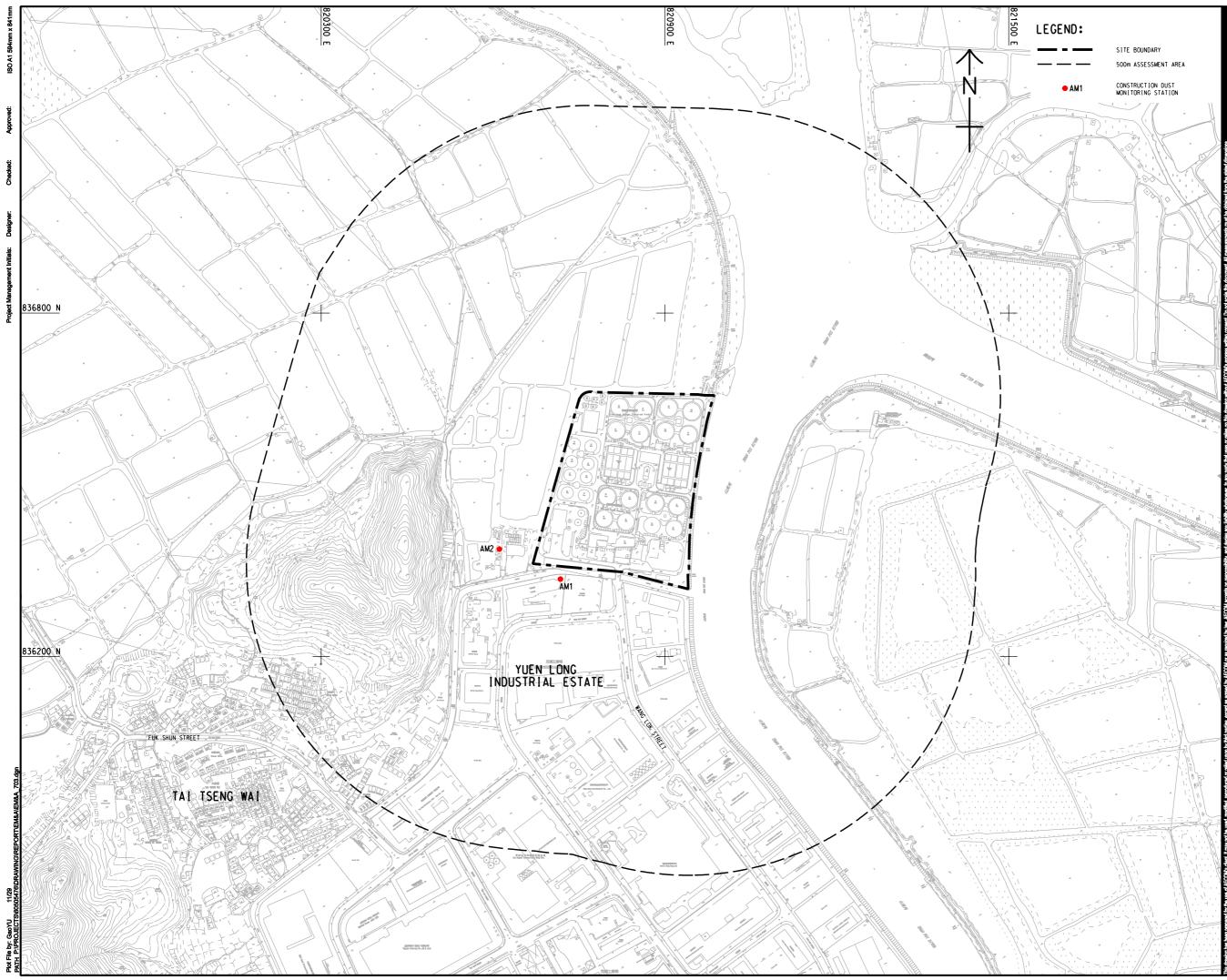
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# Figure 2

Air Quality Monitoring Locations







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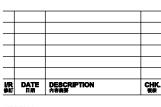
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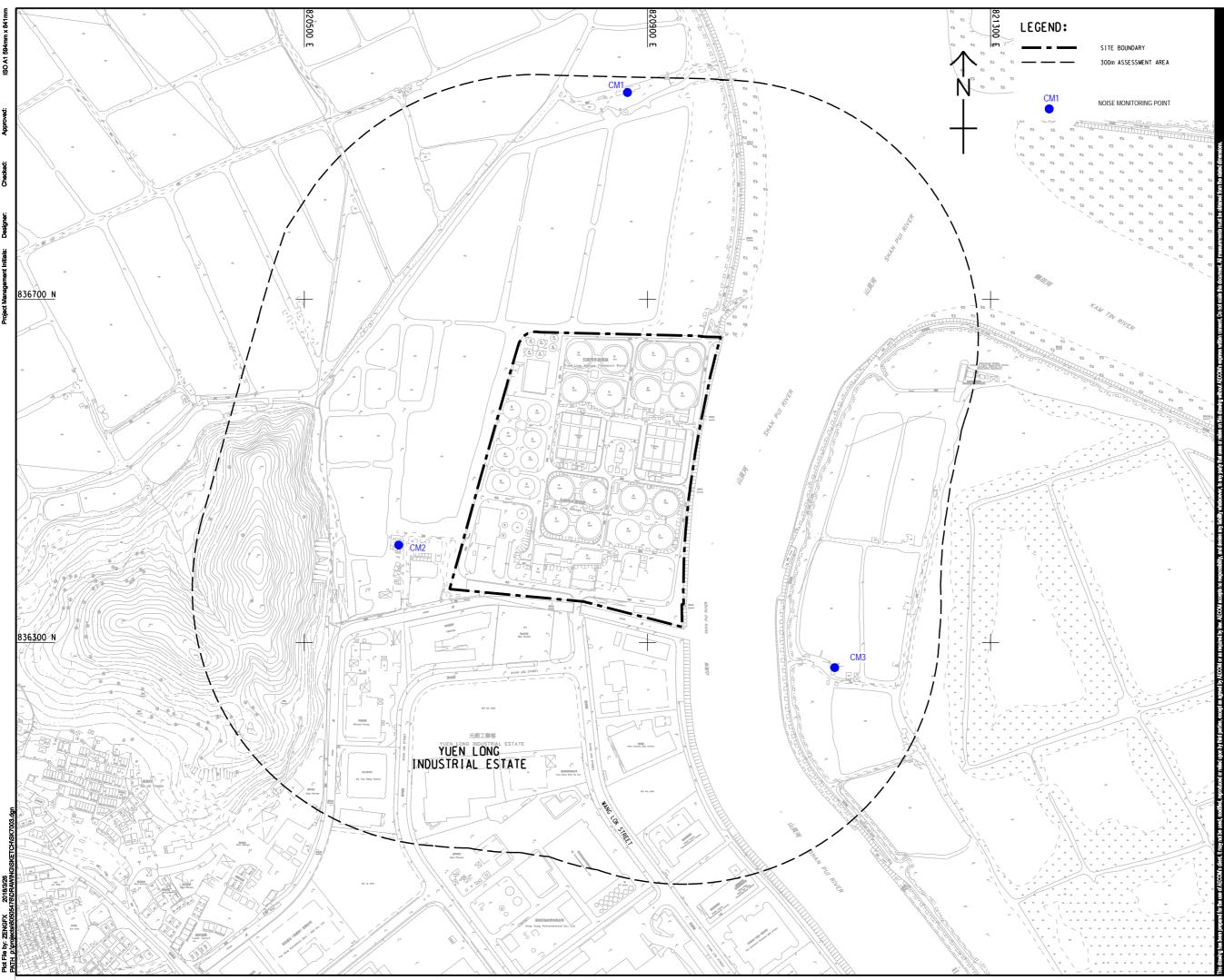
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# Figure 3

Noise Monitoring Locations







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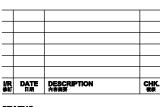
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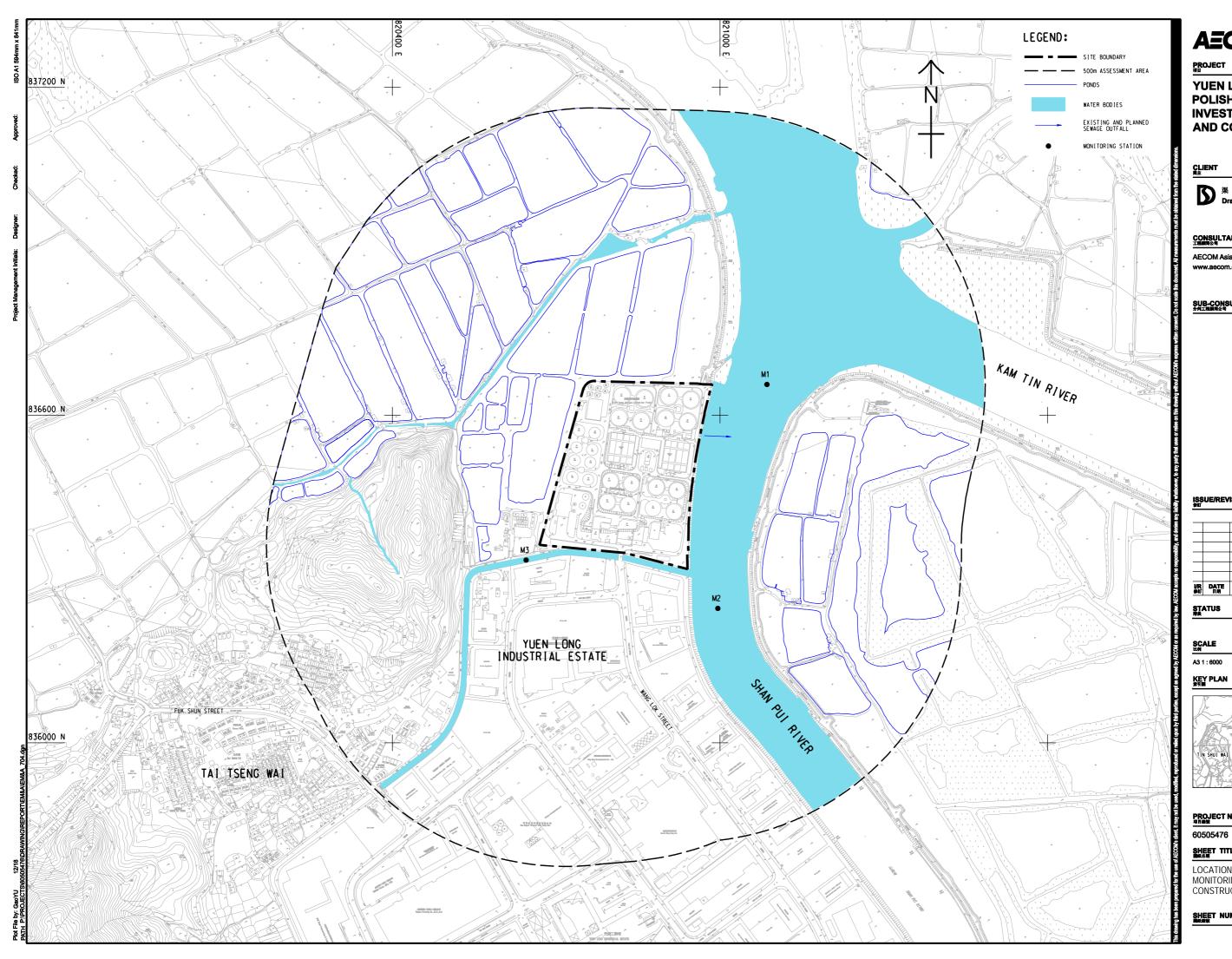
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# Figure 4

Water Quality Monitoring Locations







#### PROJECT

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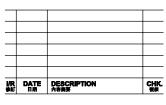
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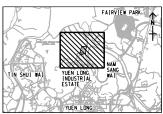
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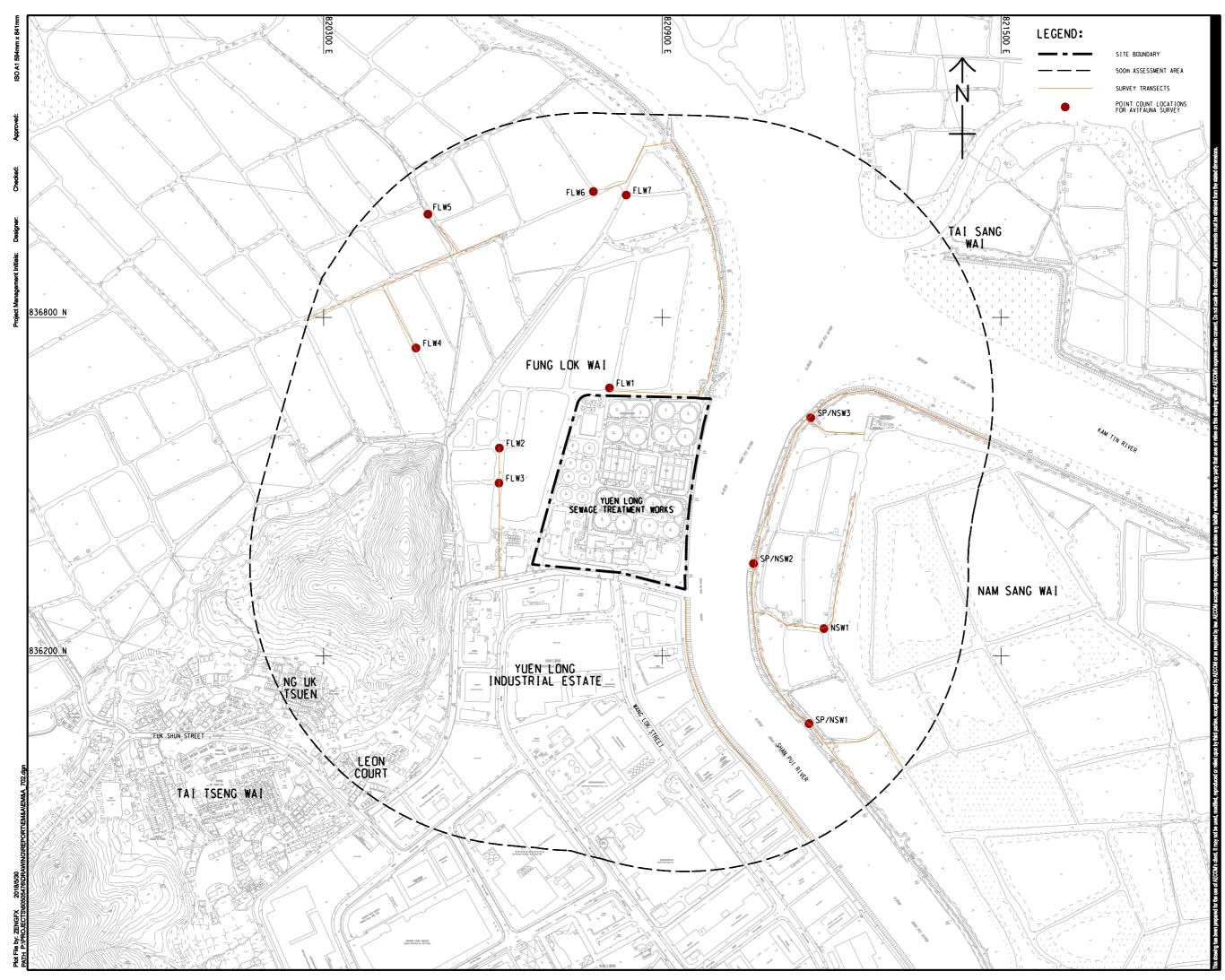
LOCATIONS OF WATER QUALITY MONITORING STATIONS FOR CONSTRUCTION PHASE

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# Figure 5

**Ecology Monitoring Locations** 





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#### PROJECT

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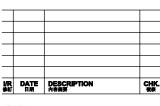


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# **Appendix A**

**Construction Programme** 



	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	23	Q4	Q1	Q2	Q3	2 21	4	Q1	Q2 3 3 2 2	Q3	Q4	Q1	Q2	4 4
Effluent Pol	ishing Plant - Main Works Stage 1 - Detailed Works Programme	2202	27-Oct-20 A	09-Nov-27	30-Sep-21	09-Nov-27	0		<u>ייי</u>	<u></u>			<u></u>	1-1-			1 34		4	- <b></b>	<u>" " "</u>
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E-R6	Data Date DWP Revision 6	0		30-Sep-21 A		07-Oct-21			Data	Date I	DWP F	Revisio	n 6								
tract Data Par	<u>t1</u>	2569	27-Oct-20 A	09-Nov-27	30-Sep-21	09-Nov-27	0				111	LL.	ШĿ		LLI.						LL.
nmencement Da	ite	2569	27-Oct-20 A	09-Nov-27	30-Sep-21	09-Nov-27	0														
01	Contract Date	0	27-Oct-20 A		30-Sep-21																
2	Starting Date	0	09-Nov-20 A		30-Sep-21																
3	Contract Completion	0	09-Nov-26		09-Nov-26		0				1.1.1										
)4	Establishment Period (12 months)	0	09-Nov-27		09-Nov-27		0														
05	Defect Date (12 months)	0	09-Nov-27		09-Nov-27		0				1.1.1					44	441			444	
cess Dates		1599	09-Nov-20 A	27-Mar-25	30-Sep-21	04-Jun-27	799						LLL.								
)P1	Portion 1 (sd)	0	09-Nov-20 A		30-Sep-21						1.1.1										
OWA1	Work Area WA1 (sd)	0	09-Nov-20 A		04-Jun-27			d)			111		LLL.				,				
WA2	Work Area WA2 (sd) (new site possession) validity for 12 months and subject to renewal	365	05-Mar-21 A	03-Mar-22*	01-Oct-21	04-Mar-22	1		- 4 - 4 - 4		Work	Area \	NA2 (s	sd) (ne	ew site	e poss	sessic	on) validi	ity for 1	2 mon	ths ar
P2	Portion 2 (sd+211d)	0	08-Jun-21 A		12-Nov-21			ortion	2 (sd+	211d)					111						
P5	Portion 5 (sd+944d)	0	11-Jun-23*		11-Jun-23		0	_			1.1.1						Port	tion 5 (so	d+944d	)	
P3	Portion 3 (sd+1218d)	0	11-Mar-24*		10-Mar-24		0	_					<u> </u>		- -   -			<u>         </u>		Porti	ion 3 (
P4	Portion 4 (sd+1599d)	0	27-Mar-25*		27-Mar-25		0				1.1.1		L. L. L.					1.1.1.1			
tract Key Dates		1765	07-Apr-21 A	05-Feb-26	08-Jan-24	09-Nov-27	641														
01	KD1 - Completion of Noise Barriers (sd+150d) (8 Apr 21)	0		07-Apr-21 A		09-Nov-27		Comp	letion c	of Nois	e Bar	riers (s	d+150	ld) (8/	Apr 2	1)	40			443	ьŪ
02	KD2 - Erection of Bird Curtain in vicinity of Mainstream Bioreactor, Ancillary facilities & Tertiary Treatment(6 May 21)	0		06-May-21 A		09-Nov-27		- Ere	ction of	Bird	Curtali	n in vic	inity of	f Mairl	istrea	m Blor	react	or, Ancill	ary faci	lities &	Tertia
10	KD10 - Completion of Civil & Structural works of roof floor of sludge thickening bldg(8Jan24)	0		08-Jan-24*		08-Jan-24	0		444	ĻĹ.	Цİ		ЦĹ		ļ.ļ.Ī	411	. L. L. I	цЫ	S KD	010 - G	omple
3	KD3 - Early Comissioning of Inlet Works100,000m3/d at ADWF,PST>54,000m3/d at ADWF, Civil, struct., E&M & BS (11Mar 24)	0		11-Mar-24*		11-Mar-24	0				<u> </u>				[.].]			<u>     [</u>		KD3	- Earl
05	KD5 - Completion of Civil & Structural works of R/F of Inlet works (separate contractor to install PV Panels) (8 Jan 25)	0		08-Jan-25*		08-Jan-25	0														
8	KD8 - Completion of Civil & Structural works of Sludge Dewatering Building (separate contractor E&M, BS & PV) (8 Jul 25)	0		08-Jul-25*		08-Jul-25	0		444		1.1.1		LLL.	44	į. .			i I.I.İ		444	44
9	KD9 - Completion of Civil & Structural works of Adminstration Building (separate contractor E&M & BS)(6 Nov 25)	0		06-Nov-25*		06-Nov-25	0				<u></u>										
07	KD7 - Completion of Civil & structural works of R/F of Mainstream Bioreactor system and Ancillary facilities (8 Jan 26)	0		08-Jan-26*		08-Jan-26	0				H.H.H.	.1.1.	LI.I.		i.L.I	1111	J.J.P	i II II.			LL.
D4	KD4 - Early Comissioning of Sewage & Sludge Treatment Facilities >60,000m3/d at AWDF (5 Feb 26)	0		05-Feb-26*		05-Feb-26	0						[.].].					↓.↓.↓			
06	KD6 - Completion of Civil & Structural works of R/F of PST (separate contractor to install PV Panels) (5 Feb 26)	0		05-Feb-26*		05-Feb-26	0						LLL.		111						
tract Section Co	propletion	1494	06-Oct-22	08-Nov-26	06-Oct-22	08-Nov-26	0														
1	Section 1- Civil, Structural and Architectural works of CLP Substations No. 1 & 2 (for CLP install.) (sd+696d=06OCT2022)	0		06-Oct-22*		06-Oct-22	0						ጰ ຣ	Section	ή (- Ċ	ivil, St	tructu	ral and	Architec	tural w	vorks (
2	Section 2 - Landscape Softworks except those Works under other sections (sd+2190d=08NOV2026)	0		08-Nov-26*		08-Nov-26	0														
3	Section 3 - Remainder of the Works, except Landscape Softworks & Establishment Works (sd+2190d=08NOV2026)	0		08-Nov-26*		08-Nov-26	0					LL.	LLL.		LLİ.			Шİ		.].].]	LL.
ronmental Cons	straints	1969	09-Nov-20 A	31-Mar-26	01-Oct-21	09-Nov-27	587														
1-2135	PS 1.105A Noise Mitigation Measures 2020-2021	143	09-Nov-20 A	31-Mar-21 A	09-Nov-27	09-Nov-27		15A	loise M	itigatio	n Me	asures	2020	-2021							
-2145	Egrets Breeding Season 2021	184	01-Mar-21 A	31-Aug-21 A	01-Oct-21	01-Oct-21			grets l	Breed	ing Se	asoh 2	2021	100	(H)	111)	1111				
6-2155	Egrets Breeding Season 2022	184	01-Mar-22*	31-Aug-22	01-Mar-22	31-Aug-22	0						Egr	ets Br	eedin	ıg Sea	ason 2	2022			
M-2155	PS 1.105A Noise Mitigation Measures 2022-2023	151	01-Nov-22*	31-Mar-23	01-Nov-22	31-Mar-23	0						- I <b>F</b>	_		PS 1	1.105	A Noise	Mitigat	ion Me	asure
S-2165	Egrets Breeding Season 2023	184	01-Mar-23*	31-Aug-23	01-Mar-23	31-Aug-23	0										<u> </u>		s Breed		
M-2165	PS 1.105A Noise Mitigation Measures 2023-2024	152	01-Nov-23*	31-Mar-24	01-Nov-23	31-Mar-24	0							111			111	i i . 💻		PS	\$ 1, 105
S-2175	Egrets Breeding Season 2024	184	01-Mar-24*	31-Aug-24	01-Mar-24	31-Aug-24	0														
M-2175	PS 1.105A Noise Mitigation Measures 2024-2025	151	01-Nov-24*	31-Mar-25	01-Nov-24	31-Mar-25	0			.11.	1.1.1	.I.L.	LLL.	ШJ	LLI.		J.L.	H.H.J	.1.1.1		.LL
S-2185	Egrets Breeding Season 2025	183	02-Mar-25*	31-Aug-25	02-Mar-25	31-Aug-25	0														
VI-2185	PS 1.105A Noise Mitigation Measures 2025-2026	151	01-Nov-25*	31-Mar-26	01-Nov-25	31-Mar-26	0				LL.	i.	LLL.		111			1111		111	LL.
ned Complet	lion	2041	07-Apr-21 A	08-Nov-26	06-Oct-22	09-Nov-27	365														
nned Key Dates		1765	07-Apr-21 A	05-Feb-26	08-Jan-24	09-Nov-27	641		111	11	111		[ ] ] ]		111	1111	111	1111		111	
2 D1	KD1 - Completion of Noise Barriers (sd+150d) (8 Apr 21)	0		07-Apr-21 A		09-Nov-27		Comp	letion c	of Nicis	+-∔-∔ è Bah	riers' (s	d+150	)d) (8 /	Anr 2			1111			
D2	KD2 - Erection of Bird Curtain in vicinity of Mainstream Bioreactor, Ancillary facilities & Tertiary Treatment(6 May 21)	0		06-May-21 A		09-Nov-27											preact	or, Ancill	arv faci	lities &	Tertia
D5	KD5 - Completion of Civil & Structural works of R/F of Inlet works (separate contractor to install PV Panels) (8 Jan 25)	0		19-Sep-23*		08-Jan-25	477				101001	10.00			0.100			S KD5			
010	KD10 - Completion of Civil & Structural works of roof floor of sludge thickening bldg(8Jan24)	0		09-Dec-23*		08-Jan-24	30	111	111	÷÷:	ttt	· † - † -	ri i	111		111			KD10	) + Con	npletic
KD3	KD3 - Early Comissioning of Inlet Works100,000m3/d at ADWF,PST>54,000m3/d at ADWF, Civil, struct.,E&M & BS (11Mar 24)	0		11-Mar-24*		11-Mar-24	0											<b>-</b>		KD3	- Ear
77	KD7 - Completion of Civil & structural works of R/F of Mainstream Bioreactor system and Ancillary facilities (8 Jan 26)	0		16-Apr-25*		08-Jan-26	267		111	·	†-†-†		r t tr						·-;;- <b>%</b>		
D8	KD8 - Completion of Civil & Structural works of Sludge Dewatering Building (separate contractor E&M, BS & PV) (8 Jul 25)	0		08-Jul-25*		08-Jul-25	0		111		111		[ ] [		[]]]					111	
09	KD9 - Completion of Civil & Structural works of Administration Building (separate contractor E&M & BS)(6 Nov 25)	0		06-Sep-25*		06-Nov-25	61				+-+-+	1			;- <b>}-</b> †-		111				
D4	KD4 - Early Comissioning of Sewage & Sludge Treatment Facilities >60,000m3/d at AWDF (5 Feb 26)	0		05-Feb-26*		05-Feb-26	0		111		TTT	ti i i	riti	$\pm \pm \pm$	rtt	TTT	111	ritti		titi	. TT
06	KD6 - Completion of Civil & Structural works of R/F of PST (separate contractor to install PV Panels) (5 Feb 26)	0		05-Feb-26*		22-Jul-26	167				1 1 1						1111				
nned Section Co		1507	23-Sep-22	08-Nov-26	06-Oct-22	08-Nov-26	0	1-1-1	-1-1-1	***	111		[ ] [ ] [	111	111	1111		(1111			11.
7	Section 1- Civil, Structural and Architectural works of CLP Substations No. 1 & 2 (for CLP install.) (sd+696d=06OCT2022)	0		23-Sep-22*		06-Oct-22	13			++	†-†-†	· † - † -	<b></b>	- oction		vil' Ctn	-  ! n'iotur	al and A	rchitodt		¦¦
2	Section 2 - Landscape Softworks except those Works under other sections (sd+2190d=08NOV2026)	0		03-Nov-26*		08-Nov-26	5						0.00	SCLIGIT	IT ON		ucture	a anu A	ioniteot	ujaj wu	JINS U
3	Section 3- Remainder of the Works, except Landscape Softworks & Establishment Works (sd+2190d=08NOV2026)	0		08-Nov-26*		08-Nov-26	0			·++-	++++		t t t t	++-			111		+++		-++
		0	22-Jul-26	22-Jul-26	22-Jul-26	22-Jul-26	0			·					r-t-t-			(			
ficatop of Comp	Impacted KD4 due to NCE No. 005 (11 May 2021)			22-Jul-26*	0u 20			<b></b>		·	+-+-+							+-++			
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5			27-Oct-20 A	05-Jun-25	30-Sep-21	09-Nov-27	759				1.1.1				: 1 1	111		<u></u>			44
iminary and P	Preparation Works						1889												- i - i - i	111	, 11
E5 iminary and P		680	27-Oct-20 A	06-Sep-22	30-Sep-21	09-Nov-27	1009										11.				
iminary and P letting			27-Oct-20 A	06-Sep-22 27-Oct-20 A	30-Sep-21	09-Nov-27 04-Oct-21	1003	estia	ation V	/orks											<u>'</u>
E5 <b>iminary and P</b> letting 3-110	Preparation Works	680	27-Oct-20 A		30-Sep-21		1009		ation V sting b		gand	structu	re								
E5 <b>iminary and P</b> letting 3-110 3-120	Preparation Works Prebid - Ground Investigation Works	680 0	27-Oct-20 A	27-Oct-20 A	30-Sep-21	04-Oct-21	1009	of exi oply a	sting b and Ins	uildin tallati	on of I	Noise I	Barrier								
E5 <b>liminary and P</b> <b>Aetting</b> B-110 B-120 B-130	Preparation Works Prebid - Ground Investigation Works Prebid - Demolition of existing building and structure	680 0 0	27-Oct-20 A	27-Oct-20 A 27-Oct-20 A	30-Sep-21	04-Oct-21 30-Sep-21		of exi oply a	sting b and Ins	uildin tallati	on of I	Noise I	Barrier								
E5 <b>liminary and P</b> <b>betting</b> B-110 B-120 B-130 B-130 B-140	Preparation Works           Prebid - Ground Investigation Works           Prebid - Demolition of existing building and structure           Prebid - Design, Supply and Installation of Noise Barrier and Bird Curtain	680 0 0 0 0	27-Oct-20 A	27-Oct-20 A 27-Oct-20 A 27-Oct-20 A	30-Sep-21	04-Oct-21 30-Sep-21 09-Nov-27		of exi oply a	sting b and Ins	uildin tallati	on of I	Noise I	Barrier								
E5 <b>liminary and P</b> <b>betting</b> B-110 B-120 B-130 B-130 B-140 B-150	Preparation Works           Prebid - Ground Investigation Works           Prebid - Demolition of existing building and structure           Prebid - Design, Supply and Installation of Noise Barrier and Bird Curtain           Prebid - Piling works for Inlet works and PST	680 0 0 0 0 0	27-Oct-20 A	27-Oct-20 A 27-Oct-20 A 27-Oct-20 A 27-Oct-20 A	30-Sep-21	04-Oct-21 30-Sep-21 09-Nov-27 30-Sep-21		of exi oply a s for I	sting b and Ins nlet wo b-lettin	uilding tallati irks ar g Pro	on of I nd PS	Noise I T	Barrier								
tificaton of Comp E5 Siminary and P bletting JB-110 JB-120 JB-130 JB-130 JB-140 JB-150 JB-160 JB-180	Preparation Works Prebid - Ground Investigation Works Prebid - Demolition of existing building and structure Prebid - Design, Supply and Installation of Noise Barrier and Bird Curtain Prebid - Piling works for Inlet works and PST Prebid - E&M works	680 0 0 0 0 0 0 0		27-Oct-20 A 27-Oct-20 A 27-Oct-20 A 27-Oct-20 A 27-Oct-20 A		04-Oct-21 30-Sep-21 09-Nov-27 30-Sep-21 11-May-22		of exi oply a for I ve Su	sting b and Ins nlet wc b-lettin	uilding itallati irks ar g Pro	dn of i nd PS oedure	Noise I T	Barrier								



# Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme

Project ID : DWP.DPr6\_210930 Layout : DC201910 DWP rev Page 1 of 27

	Q4				Q1			Q2	20	25	Q3			Q4			Q1			Q2	20	26	Q3			Q4			Q1			Q2	20	27	Q3			Q4			20 Q1	J28	Q	2
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Activity ID	Activity Name		Orig Du	Early Start	Early Finish	Late Start	Late Finish	Total Float 23	2022         2023         2024         2025         2025         2025         2027         2027         2027         2027         2027         2027         2027         2028           Q4         Q1         Q2         Q3         Q4
SUB-200	Subletting for UU detection		44	08-Jan-21 A	20-Feb-21 A	30-Sep-21	30-Sep-21		1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2
SUB-210	Subletting for Design Consultant		22	08-Jan-21 A	29-Jan-21 A	30-Sep-21	30-Sep-21		Design Consultant
SUB-100	Subletting for Diversion Works (Zor	e 1)	84	30-Jan-21 A	22-Apr-21 A	13-Nov-21	13-Nov-21	- i-i	ng for Diversion Works (Zane 1)
SUB-170	Subletting for Diversion Works (Zor	e 2)	84	30-Jan-21 A	23-Apr-21 A	05-Oct-21	05-Oct-21	ttii	g for Diversion Works (zone 2)
SUB-370	Subletting for Instrumentation insta	llation and monitoring	67	11-Feb-21 A	18-Apr-21 A	04-Oct-21	04-Oct-21	tir	g for Instrumentation installation and monitoring
SUB-220	Subletting for Sheet piling works for		150	15-May-21 A	11-Oct-21	30-Sep-21	11-Oct-21	0	
SUB-260	Subletting for Diversion Works (Zor	,	80	01-Jun-21 A	23-Jul-21 A	08-Oct-21	08-Oct-21		Subletting for Diversion Works (Zone 3) Subletting for CLP Substation No.1 & 2 Structure
SUB-230	Subletting for CLP Substation No.	& 2 Structure	100	01-Jun-21 A	08-Oct-21	22-Nov-21	30-Nov-21	53	Subletting for CLP Substation No. 1.8 2: Structure
SUB-330 SUB-250	Subletting for Dewatering System Subletting for Ground Improvemen	works for Piegos Holder	<u> </u>	02-Jun-21 A 07-Jul-21 A	01-Jul-21 A 30-Sep-21	04-Oct-21 25-Feb-22	04-Oct-21 25-Feb-22	βu 148	bletting för Dewatering System Subletting för Ground Improvement works för Biogas Holder
SUB-240	Subletting for CLP Substation No.		100	30-Aug-21 A	16-Jan-22	11-Jan-22	20-Apr-22	94	
SUB-270		T, SDB, STB, SD ,MBB, TTB, underpass and open cut for admin		12-Oct-21	30-Nov-21	12-Oct-21	30-Nov-21	0	Subletting for CLP Substation No.1 & 2 ABWF & BS Bubletting for ELS works for IW, PST, SDB, STB, SD, MBB, TTB, underpass and open cut for admin. bldg
SUB-380	Subletting for Sheet piling works for	· · · · · ·	150	12-Oct-21	10-Mar-22	06-Nov-21	04-Apr-22	25	Subletting for Sheet piling works for remaining areas
SUB-280		, SDB, STB, SD, Biogas holder, underpass and admin. bldg	105	01-Dec-21	15-Mar-22	01-Dec-21	15-Mar-22	0	Subjetting for PC works for WV PST SDB, STB, SD, Biogas holder undergass and admin. Odg
SUB-350	Subletting for Waterproofing memb	rane and protection board	86	01-Dec-21	24-Feb-22	01-Dec-21	24-Feb-22	0	Subletting for Waterproofing:membrane and protection/bo and
SUB-360	Subletting for Rebar fixing		86	01-Dec-21	24-Feb-22	01-Dec-21	24-Feb-22	0	
SUB-310	Subletting for Utilities Corridor ELS		90	31-Dec-21	30-Mar-22	07-Jan-22	06-Apr-22	7	Subletting for Utilities Com/dor ELS
SUB-290		PST, SDB, STB, MBR, TTB and admin. bldg	60	16-Mar-22	14-May-22	03-Jan-23	03-Mar-23	293	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg
SUB-320 SUB-340	Subletting for Trellis outside Admin		120 86	10-May-22	06-Sep-22	09-Feb-25	08-Jun-25 13-Jan-26	1006 1254	Subletting for Trellis outside Admin, building & Steel Working Platform
SUB-340 SUB-300	Subletting for Drainage, Sewage 8 Subletting for RC works for MBR, A		60	15-May-22 19-Jun-22	08-Aug-22 17-Aug-22	20-Oct-25 18-Aug-22	13-Jan-26 16-Oct-22	60	Subletting for Trellis outside Admin. building & Steel Working Platform Subletting for Drainage, Sewage & waterworks Subletting for Drainage, Sewage & waterworks Subletting for PC works for MBR, Ancillary Building, TTB
Design Submission	•		1562		10-May-25	30-Sep-21	09-Nov-27	912	Subjecting for HC works for MBH, Ancinary Bulkling, 11B
Temporary Works De			1269			04-Oct-21	19-Aug-25	363	•
	arv Sedimentation Tank		243	02-Mar-21 A	12-Oct-21	04-Oct-21	19-Aug-25	303	
TWD-100	ELS Stage 1 - Prepare & Submissi	on for PM's review	46	02-Mar-21 A	16-Apr-21 A	04-Oct-21 04-Oct-21	04-Oct-21	to	ge 1 Prépare & Submission for PM's réview
TWD-420	ELS Stage 2 - Prepare & Submissi		72	05-Apr-21 A	15-Jun-21 A	30-Oct-21	30-Oct-21	.a	Stage 2:- Prepare & Submission for PM's review,
TWD-110	ELS Stage 1 - Review by PM's & I		36	02-Jun-21 A	07-Jul-21 A	04-Oct-21	04-Oct-21	E	S Stage 1 - Review by PM/s & ICE: review (28 d + 7d)
TWD-430	ELS Stage 2 - Review by PM's & I		36	16-Jun-21 A	21-Jul-21 A	30-Oct-21	30-Oct-21		L\$ Stage 2 - Review by PM's & ICE review (28 d)+7d)
TWD-120		//s & ICE review (7d prep & resub. + 7d ICE)	15	03-Jul-21 A	17-Jul-21 A	04-Oct-21	04-Oct-21		LS Stage 1: - Resubritission for PM's & ICE review (7d prep & resub. + 7d ICE)
TWD-440		//s & ICE review (7d prep & resub. + 7d ICE)	15	22-Jul-21 A	30-Sep-21	30-Oct-21	30-Oct-21	30	ELS Stage 2 - Resubmission for PM's & ICE review 17d prep & resub, + 7d ICE)
TWD-500	ELS Stage 1 - Submit to GEO (De		29	23-Aug-21 A	30-Sep-21	04-Oct-21	04-Oct-21	4	ELS Stage 1 - Submit to GED (Dewatering Proposal)
TWD-510	ELS Stage 2 - Submit to GEO (Dev	vatering Proposal)	30	05-Sep-21 A	04-Oct-21	31-Oct-21	03-Nov-21	30	ELS Stage 2: Submit to GEO (Deviatering Proposal)
TWD-130	ELS Stage 1 - Obtain Approval		8	29-Sep-21 A	06-Oct-21	05-Oct-21	10-Oct-21	4	ELS Stage 1 - Obtain Approval
TWD-450 Mainstream Bio-Read	ELS Stage 2 - Obtain Approval		<u> </u>	05-Oct-21	12-Oct-21	04-Nov-21	11-Nov-21 23-Mar-22	30 75	ELS Stage 2: - Obtain Approval
TWD-220	ELS - Prepare & Submission for Pl	//s review	45	01-Sep-21 A 01-Sep-21 A	07-Jan-22 15-Oct-21	14-Dec-21 14-Dec-21	23-Mar-22 29-Dec-21	75	ELS - Pregare & Submission for PM's review
TWD-230	ELS - Review by PM's & ICE revie		35	16-Oct-21	19-Nov-21	30-Dec-21	02-Feb-22	75	
TWD-240	-	E review (7d prep & resub. + 7d ICE)	14	20-Nov-21	03-Dec-21	03-Feb-22	16-Feb-22	75	Image: Instant Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength Strength
TWD-520	ELS - Submit to GEO		28	04-Dec-21	31-Dec-21	17-Feb-22	16-Mar-22	75	ELS - Subritito GEO
TWD-250	ELS - Obtain Approval		7	01-Jan-22	07-Jan-22	17-Mar-22	23-Mar-22	75	ELS -Obtain Approval
Biogas Holders			94	31-Aug-21 A	01-Jan-22	01-Dec-21	04-Mar-22	62	
TWD-380	Ground Improvement Works - Prep		45	31-Aug-21 A	14-Oct-21	01-Dec-21	15-Dec-21	62	Ground Improvement Warks -: Prepare & Submission for PM's review
TWD-390 TWD-400		w by PM's & ICE review (28 d + 7d) bmission for PM's & ICE review (7d prep & resub. + 7d ICE)	37	15-Oct-21 21-Nov-21	20-Nov-21 04-Dec-21	16-Dec-21 22-Jan-22	21-Jan-22 04-Feb-22	62 62	Grduhd Improvement Works + Review by PM's & ICE: review (28 d + 7d)
TWD-400	Ground Improvement Works - Sub		28	05-Dec-21	04-Dec-21 01-Jan-22	05-Feb-22	04-Feb-22 04-Mar-22	62	, Ground Improvement Works - Resubmission for PMs & ICE review (7d:prep & resub.;+7d ICE)
TWD-410	Ground Improvement Works - Obta		7	26-Dec-21	01-Jan-22	26-Feb-22	04-Mar-22	62	Ground Improvement Works'- Submit to GEO
Sludge Thickening B	•	hh a n	119	12-Jan-22	10-May-22	29-Mar-22	25-Jul-22	76	Ground Improvement Works-Obtain Approval
TWD-180	ELS - Prepare & Submission for PI	I's review	42	12-Jan-22*	22-Feb-22	29-Mar-22	09-May-22	76	ELS - Prebare & Subtrission for PM's review
TWD-190	ELS - Review by PM's & ICE review	· · ·	35	23-Feb-22	29-Mar-22	10-May-22	13-Jun-22	76	💻 ELS- Review by PMrš & ICE review (28 d + 7d)
TWD-200		review (7d prep & resub. + 7d ICE)	14	30-Mar-22	12-Apr-22	14-Jun-22	27-Jun-22	76	ELS - Review by PM/s & ICE review (28 d + 7d) ELS - Resubmission for PM/s & ICE review (7d prep & resub, +;7d ICE)
TWD-540	Ground Improvement Works - Sub	nit to GEO	28	13-Apr-22	10-May-22	28-Jun-22	25-Jul-22	76	Ground Improvement Works -Submit to GEO
TWD-210	ELS - Obtain Approval		7 122	04-May-22 02-Dec-21	10-May-22 02-Apr-22	19-Jul-22 28-Feb-22	25-Jul-22 29-Jun-22	76 88	ELS - Obtain Approval
TWD-140	ELS - Prepare & Submission for Pl	//s review	45	02-Dec-21*	15-Jan-22	28-Feb-22	13-Apr-22	88	
TWD-150	ELS - Review by PM's & ICE review		35	16-Jan-22	19-Feb-22	14-Apr-22	18-May-22	88	ELS - Prepare & Submission for PM's review ELS - Review by PM's & ICE review (28 d + 7d) I ELS - Resubmission for PM's & ICE review (7d prep.& resub. + 7d ICE)
TWD-160	ELS - Resubmission for PM's & IC	review (7d prep & resub. + 7d ICE)	14	20-Feb-22	05-Mar-22	19-May-22	01-Jun-22	88	ELS: - Resubmission for PM's & ICE review (7d prep: & resub. + 7d ICE)
TWD-550	ELS - Submit to GEO (Dewatering	Proposal)	28	06-Mar-22	02-Apr-22	02-Jun-22	29-Jun-22	88	ELS - Submit to GEO (Dewatering Proposal)
TWD-170	ELS - Obtain Approval		7	27-Mar-22	02-Apr-22	23-Jun-22	29-Jun-22	88	LELSI- Obtain Approval
Utilities Corridor			92	31-Aug-21 A	30-Dec-21	07-Oct-21	06-Jan-22	7	
TWD-340	ELS - Prepare & Submission for Pl		45	31-Aug-21 A	14-Oct-21	07-Oct-21	21-Oct-21	7	ELS - Prepare & Submission for PM's review
TWD-350	ELS - Review by PM's & ICE review	/ (28 d + 7d) review (7d prep & resub. + 7d ICE)	35	15-Oct-21	18-Nov-21	22-Oct-21	25-Nov-21 09-Dec-21	7	ELS - Review by PM's & ICE review (28 d +; 7d)
TWD-360 TWD-560	ELS - Resubmission for PM's & ICE ELS - Submit to GEO (Dewatering		28	19-Nov-21 03-Dec-21	02-Dec-21 30-Dec-21	26-Nov-21 10-Dec-21	09-Dec-21 06-Jan-22	7	ELS - Prepare & Submission for PM's review  ELS - Review by PM's & ICE review (28 d + 7d)  ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)  ELS - Submit to GEO (Dewatering Proposal)
TWD-370	ELS - Obtain Approval		7	24-Dec-21	30-Dec-21 30-Dec-21	31-Dec-21	06-Jan-22	7	ELS - Supmit to GEO (Dewatering Proposal)
Sludge Digester	220 Obtain Appioval		122	31-Dec-21	01-May-22	24-Feb-23	25-Jun-23	420	ELS Obtain Approval
TWD-460	ELS - Prepare & Submission for PI	/l's review	45	31-Dec-21	13-Feb-22	24-Feb-23	09-Apr-23	420	ELS - Prepare & Submission for PM's review
TWD-470	ELS - Review by PM's & ICE review		35	14-Feb-22	20-Mar-22	10-Apr-23	14-May-23	420	ELS - Prepare & Submission for PM's review ELS - Review by PM's & IOE review (28 d + 7d)
TWD-480	ELS -Resubmission for PM's & ICE	review (7d prep & resub. + 7d ICE)	14	21-Mar-22	03-Apr-22	15-May-23	28-May-23	420	■ LLS Hesubmission for PM's & IGE review (/d prep & resub. + /d IGE)
TWD-570	ELS - Submit to GEO (Dewatering	Proposal)	28	04-Apr-22	01-May-22	29-May-23	25-Jun-23	420	🖶 ELS-Submit to GEQ (Dewatering Proposal)
TWD-490	ELS - Obtain Approval		7	25-Apr-22	01-May-22	19-Jun-23	25-Jun-23	420	ELS - Obtain Approvál
Sludge Dewatering a		No. 2007	122	02-Jul-22	31-Oct-22	17-Mar-24	16-Jul-24	624	ELS- Optain Approval
TWD-260	ELS - Prepare & Submission for Pl		45 35	02-Jul-22*	15-Aug-22	17-Mar-24	30-Apr-24	624 624	🔚 'ELS - Prenare & Submission for PM's review '
TWD-270 TWD-280	ELS - Review by PM's & ICE review	/ (28 d + / d) = review (7d prep & resub. + 7d ICE)	14	16-Aug-22 20-Sep-22	19-Sep-22 03-Oct-22	01-May-24 05-Jun-24	04-Jun-24 18-Jun-24	624	ELS - Review by PM's & ICE review (28 d + 7d) ELS - Resubritssion for PM's & ICE review (7d prep'& resub. + 7d ICE)
TWD-280	ELS - Resubmission for PM s & Tot ELS - Submit to GEO (Dewatering	· · · · · · · · · · · · · · · · · · ·	28	20-Sep-22 04-Oct-22	31-Oct-22	19-Jun-24	16-Jul-24	624	FLS- Submit to GEO (Periode and Periodeal)
TWD-290	ELS - Obtain Approval		7	25-Oct-22	31-Oct-22 31-Oct-22	10-Jul-24	16-Jul-24	624	ELS - Submit to GEO (Dewatering Proposal)
	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second		I						Detailed Works Programme
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/星莖_    園	<b>⊐鐵聯營體</b>	Remaining Work							
休平-中國中	动行行日口区	Critical Remaining Work							31-Jul-21 Rev. 4



							23 1	3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
Iministration Building WD-300 Open	Out Design - Dessers & Submission for DM/s retire	122	22-Apr-24	21-Aug-24	02-Jul-24	31-Oct-24	71	
· · ·	I Cut Design - Prepare & Submission for PM's review I Cut Design - Review by PM's & ICE review (28 d + 7d)	45 35	22-Apr-24 06-Jun-24	05-Jun-24 10-Jul-24	02-Jul-24 16-Aug-24	15-Aug-24 19-Sep-24	71 71	💭 Open Cut Design - Prepare & Submission for PM's review Open Cut Design - Review by PM's & ICE review (28 d + 7d)
	I Cut Design - Resubmission for PM's & ICE review (28 d + 7d)	35	11-Jul-24	24-Jul-24	20-Sep-24	03-Oct-24	71	← Open Cut Design - Hevrew by PM's & ICE:review.(28 d + 7d): ↓ Open Cut Design - Resubmission for PM's & ICE review.(7d):pred & resub+7d ICE)
·	Submit to GEO (Dewatering Proposal)	28	25-Jul-24	24-0ui-24 21-Aug-24	04-Oct-24	31-Oct-24	71	<ul> <li>Open Cut Design - Resubmission for mins &amp; to E review (70 prep &amp; resub. + 7 a to E)</li> <li>ELS - Submit to GEO (Dewatering Proposal)</li> </ul>
	I Cut Design - Obtain Approval	7	15-Aug-24	21-Aug-24	25-Oct-24	31-Oct-24	71	Oper Cut Design - Obtain Approval
way		122	22-Apr-24	21-Aug-24	20-Apr-25	19-Aug-25	363	
	way - Prepare & Submission for PMs review	45	22-Apr-24	05-Jun-24	20-Apr-25	03-Jun-25	363	Walkway - Prepare & Submission for PMs review
	way - Review by PMs & ICE review (28 d + 7d)	35	06-Jun-24	10-Jul-24	04-Jun-25	08-Jul-25	363	Walkway - Review by PMs & ICE review (28 d+ 7d)
	way - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE) - Submit to GEO (Dewatering Proposal)	14 28	11-Jul-24 25-Jul-24	24-Jul-24 21-Aug-24	09-Jul-25 23-Jul-25	22-Jul-25 19-Aug-25	363 363	Walkivay - Resubmission for PWrs & ICE review (7 d prep & resub. + 7d ICE)
	vay - Obtain Approval	28	25-Jul-24 15-Aug-24	21-Aug-24 21-Aug-24	13-Aug-25	19-Aug-25 19-Aug-25	363	ELS - Submit to GEO:(Dewatering Proposal)     U
	ks Design (include ATAL)	1562	30-Jan-21 A		-	09-Nov-27	912	
		359	30-Jan-21 A		30-Sep-21	09-Nov-27	2205	
kage 1A - Mainstream B	io-Reactor System (AGS)	101	30-Jan-21 A	28-May-21 A		29-Dec-21		
-420 E&M	AIP Report for Mainstream Bio-Reactor System (AGS) - Prepare & Submission for PM's review	45	30-Jan-21 A	15-Mar-21 A	29-Dec-21	29-Dec-21	B	Report for Mainstream Blo-Reactor System (AGS) - Prepare & Submission for PM's review
-430 E&M	AIP Report for Mainstream Bio-Reactor System (AGS) - Review by PM's & ICE review (28 d + 7d)	35	16-Mar-21 A	19-Apr-21 A	29-Dec-21	29-Dec-21	NF	P Report for Mainstream Bio-Reactor System (AGS) - Review by PM's & ICE review (28 d + 7d)
	AIP Report for Mainstream Bio-Reactor System (AGS) - Resubmission for further review	14	20-Apr-21 A	03-May-21 A	29-Dec-21	29-Dec-21		NP Report for Mainstream Bio-Reactor/System (AGS) - Resubmission for further review
	AIP Report for Mainstream Bio-Reactor System (AGS) - Obtain Approval	7	04-May-21 A			29-Dec-21	М	1A P Repórt for Mainstream Bio Reactór Systemi (AGS) - Obtain Approval
kage 2A - Tertiary Treatm		80	28-Apr-21 A	16-Jul-21 A	19-Jan-22	19-Jan-22		
	AIP Report for Tertiary Treatment System (TTS) - Prepare & Submission for PM's review	45	28-Apr-21 A			19-Jan-22		M AIP Report for Tentiary Treatment System (TTS) - Prepare & Submission for PM's review
	AIP Report for Tertiary Treatment System (TTS) - Review by PM's & ICE review (28 d + 7d) AIP Report for Tertiary Treatment System (TTS) - Resubmission for further review	35 14	19-May-21 A 26-Jun-21 A			19-Jan-22 19-Jan-22		MAIP Report for Tertlary Treatment System (TTS)- Review by PM's & ICE review (28 d + 7d)
	AIP Report for Tertiary Treatment System (TTS) - Resubmission for further review AIP Report for Tertiary Treatment System (TTS) - Obtain Approval	14	26-Jun-21 A 10-Jul-21 A	09-Jul-21 A 16-Jul-21 A		19-Jan-22 19-Jan-22		8M AIP Report for Tertiary Treatment System (TTS) - Resubmission for further review 58 M AIP Report for Tertiary Treatment System (TTS) - Obtain Approval
kage 3A - Plant Service		105	03-Apr-21 A	16-Jul-21 A		16-Aug-23	E E	row we report on register data and other and the data was a construction of the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and the data and
•	AIP Report for Plant Service Water - Prepare & Submission for PM's review	45	03-Apr-21 A			02-Aug-22	1	AIP Report for Plant Service Water - Prepare & Submission for PM's review
	AIP Report for Plant Service Water - Review by PM's & ICE review (28 d + 7d)	35	19-May-21 A			02-Aug-22	1.2	M AIP Report for Plant Service Water - Review by PM's & ICE review (28 d + 7d)
-520 E&M	AIP Report for Plant Service Water - Resubmission for further review	14	26-Jun-21 A	09-Jul-21 A	16-Aug-23	16-Aug-23	E8	2M AIP Report for Plant Service Water - Resubmission for further review
-530 E&M	AIP Report for Plant Service Water - Obtain Approval	7	10-Jul-21 A	16-Jul-21 A	0	16-Aug-23		E& M AIP Report for Plant Service Water - Obtain Approval
-	or Temp. Diversion Chamber and Pumping Station	67	23-Feb-21 A	28-May-21 A		13-Nov-21		
	nce Works - E&M Report for Temporary Diversion Chamber and Pumping Station - Prepare & Submission for PM's review	35	23-Feb-21 A			13-Nov-21	1-2	Works - E&M Report for Temporary Diversion Chariber and Pumping Station - Prepare & Submission for PM's review
	nce Works - E&M Report for Temporary Diversion Charber and Pumping Station - Review by PM's & ICE review (28 d + 7d)	35	06-Mar-21 A	· ·		13-Nov-21	æ	e Works - E&M: Réport for Temporary Diversion Chamber and Pumping Station + Review by PWI's & ICE: review (28 d + 7d))
	nce Works - E&M Report for Temporary Diversion Chamber and Pumping Station - Resubmission for further review	14	10-Apr-21 A			13-Nov-21 13-Nov-21	ICE	ze Works -E&M Report for Temporary Diversion Chamber and Pumping Station - Resubmission for further review
-570 Advar cage 4B - E&M Report f	nce Works - E&M Report for Temporary Diversion Chamber and Pumping Station - Obtain Approval	7 119	24-Apr-21 A 30-Jan-21 A			13-Nov-21 17-Jan-22	rar	ande Works - E&M Report for Temporary Diversion Charrber and Pumping Station - Obtain Approval
•	AIP Report for Advance Works (SCADA Pelocation) - Prepare & Submission for PM's review	63	30-Jan-21 A 30-Jan-21 A	-		17-Jan-22 17-Jan-22		Pepport for Advance Works (SCADA Pelocation) - Prepare & Submission for PM's review
	AIP Report for Advance Works (SCADA Relocation) - Review by PM's & ICE review (28 d + 7d)	35	03-Apr-21 A	· ·		17-Jan-22		'heport for Advance Works (SCADA Held cation) - Prepare & Sub mssion for P M's review AIP Report for Advance Works (SCADA Held cation) - Review by PM's & ICE review (28 d'+7d)
	AIP Report for Advance Works (SCADA Relocation) - Resubmission for further review	14	08-May-21 A			17-Jan-22	1 2	AP Report for Advance: Works (SCADA Relocation) - Resubmission for further review
	AIP Report for Advance Works (SCADA Relocation) - Obtain Approval	7	22-May-21 A			17-Jan-22	M	/IAP Report for Advance Works (SCADA:Relocation) - Cotain Approval
kage 4C - E&M Report f		89	01-Mar-21 A			24-Jun-23		
-	AIP Report for Advance Works (AGS) - Prepare & Submission for PM's review	33	01-Mar-21 A	02-Apr-21 A	24-Jun-23	24-Jun-23	P	Pepport for Advance Works (AGS) - Prepare & Submission for PM's review
	AIP Report for Advance Works (AGS) - Review by PM's & ICE review (28 d + 7d)	35	03-Apr-21 A	07-May-21 A	24-Jun-23	24-Jun-23	A	AIP Report for Advan œ Works (AGS) - Réview by PM's & ICE review (28 d++7d)
	AIP Report for Advance Works (AGS) - Resubmission for further review	14	08-May-21 A		24-Jun-23	24-Jun-23	1-7	AIP Report for Advance; Works (AGS) - Resubmission for further; review
	AIP Report for Advance Works (AGS) - Obtain Approval	7	22-May-21 A	-		24-Jun-23	М	/IAIP Réport for Advance Wolks (AGS) - Obtain Approval
-	ver Supply System for Advance Works	98	20-Feb-21 A	-		30-Nov-21		
	ical Power Supply System for Advance Works - Prepare & Submission for PM's review	42	20-Feb-21 A	· ·	30-Nov-21	30-Nov-21	al V	Power Supply System for Advance Works - Prepare & Submission for PM's review
	rical Power Supply System for Advance Works - Review by PM's & ICE review (28 d + 7d) rical Power Supply System for Advance Works - Resubmission for further review	35 14	03-Apr-21 A 08-May-21 A	,	30-Nov-21 30-Nov-21	30-Nov-21 30-Nov-21	ric:	ical Power Supply System for Advance Works - Review by PM's & ICE review (28 d + 7d) rical Power Supply System for Advance Works - Resubmission for further review
	ical Power Supply System for Advance Works - Result instant for further review	7	22-May-21 A	-	30-Nov-21	30-Nov-21 30-Nov-21	ctri ctri	rical Power Supply System for Advance Works - Nesubmission for further review trical Power Supply System for Advance Works - Obtain Approval
	ver Supply System for YLEPP	39	20-Apr-21 A	28-May-21 A		08-Dec-23		
-	rical Power Supply System for YLEPP - Prepare & Submission for PM's review	11	20-Apr-21 A	30-Apr-21 A		08-Dec-23	ice	cal Power Supply/System for YLEPP - Prepare & Submission for PW 's review
	rical Power Supply System for YLEPP - Review by PM's review	14	01-May-21 A	· ·		08-Dec-23	tric	nica Power Supply System for YLEPP - Pevlew by PM/s review
-160 Electr	rical Power Supply System for YLEPP - Resubmission for PM's review	14	08-May-21 A	21-May-21 A	08-Dec-23	08-Dec-23	tri	rical Rower Supply System for YLEPP - Resubmission for PMI's review
	rical Power Supply System for YLEPP - Obtain Approval	7	22-May-21 A			08-Dec-23	ctr	trical Power Supply System for YLEPP- Obtain Approval
kage 6A - Control & Mor	· · · · ·	173	01-May-21 A		12-Mar-23	13-Mar-23	528	
	ol & Monitoring System - Prepare & Submission for PM's review	36	01-May-21 A			12-Mar-23	nt	ntro & Monitoring System + Prepare & Subtrassion for PMIs review
	ol & Monitoring System - Review by PM's & ICE review (28 d + 7d)	35	06-Jun-21 A		12-Mar-23	12-Mar-23	Co	Control & Monitoring System + Review by PM's & ICE review (28 d + 7d);
	ol & Monitoring System - Resubmission for further review ol & Monitoring System - Obtain Approval	14	12-Jul-21 A 14-Sep-21 A	30-Sep-21	12-Mar-23 13-Mar-23	12-Mar-23 13-Mar-23	528 528	Control & Monitoring System - Resubmission för further review
-620 Contr cage 7A - Building Serv		60	14-Sep-21 A 30-Mar-21 A	01-Oct-21 28-May-21 A		21-Feb-22	520	- Control & Monitoring System -Obtain Approval
-	stem - Prepare & Submission for PM's review	7	30-Mar-21 A			21-Feb-22		em-Prepare & Submission for PM's review;
	ystem - Review by PM's & ICE review (28 d + 7d)	35	06-Apr-21 A	10-May-21 A		21-Feb-22	ive	em - Prepare & Submission for PM's review /sterm - Review by PM's & ICE réview (28 d + 7d)
	ystem - Resubmission for further review	14	08-May-21 A		21-Feb-22	21-Feb-22	Sv	ivstern - Résubmission for further review
	ystem - Obtain Approval	7	22-May-21 A			21-Feb-22	S	System - Obtain Approval
-	ort for Sludge Thickening Building & Chemical System	102	01-Mar-21 A			29-Oct-22		
	Prepare & Submission for PM's review	46	01-Mar-21 A	· ·	29-Oct-22	29-Oct-22	Pre	repare & Submission for PM's review
	Review by PM's & ICE review (28 d + 7d)	35	16-Apr-21 A	-		29-Oct-22	8 -	- Review by PM/s & IGE review (28 d + 7d)
	Resubmission for further review	14	21-May-21 A			29-Oct-22	В	3- Resubmission for further review
	- Obtain Approval	7	04-Jun-21 A			29-Oct-22 09-Nov-27	В	B - Obtáin Approval
-	ort for Inlet Work (IW) Prepare & Submission for PM's review	102 46	01-Mar-21 A 01-Mar-21 A			09-Nov-27 09-Nov-27		
	Prepare & Submission for PIN's review Review by PM's & ICE review (28 d + 7d)	46 35	16-Apr-21 A	· ·		09-Nov-27 09-Nov-27	ep 	epere & Submission/for PMrs review Review hv PMrs & ICF review (28 d + 1d)
	Resubmission for further review	14	21-May-21 A			09-Nov-27	H H	Review by: PM/s & ICE; review (28 d + 7 d); Resubmission for further review
	Obtain Approval	7	04-Jun-21 A			09-Nov-27		Resubnission for further review Oblain Approval
	port for Primary Sedimentation Tank (PST)	113	01-Mar-21 A			09-Nov-27		
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Paul Y	Remaining Level of Effort Contract	C/7	010/1			Main M	lorka	s for Stage 1 Project ID : DWP.DPr6 210930 Detailed Works Programme Date Revision Checked A
			U 13/1					STOT Stage I DWP.DPr6_210930 Date Revision Checked A
र्वाते 🖉	Actual Work		-1-1-	<b>d \//</b> ~				Layout : DC201910 DWP rev.6 30-Sep-21 Rev. 6
		U	etaile	u vvori	ks pro	gramn	ne	Page 3 of 27 31-Aug-21 Rev. 5
華-中國中鐵聯營	李件 Remaining Work					-		31-Jul-21 Rev. 4
<b>王-</b> 中國中國聯盟								



	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	23 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2
AIP-710	IW - Prepare & Submission for PM's review	46	01-Mar-21 A	15-Apr-21 A	09-Nov-27	09-Nov-27		epare & Submission for PM's review
AIP-720	IW - Review by PM's & ICE review (28 d + 7d)	35	16-Apr-21 A	20-May-21 A	09-Nov-27	09-Nov-27		Review by PM's & ICE review (28 d + 7d);
AIP-730	IW - Resubmission for further review	14	21-May-21 A	03-Jun-21 A	09-Nov-27	09-Nov-27		- Resubmission for further review
IP-740	IW - Obtain Approval	7	15-Jun-21 A	21-Jun-21 A	09-Nov-27	09-Nov-27		V - Obtain Approval
ackage 11A - E&M A	AIP Report for Sludge Anaerobic Digestion System (SDT)	102	01-Mar-21 A	10-Jun-21 A	16-Jan-22	09-Nov-27		
IP-750	SDT - Prepare & Submission for PM's review	46	01-Mar-21 A	15-Apr-21 A	16-Jan-22	16-Jan-22		Prepare & Submission for PM's review
IP-760	SDT - Review by PM's & ICE review (28 d + 7d)	35	16-Apr-21 A	20-May-21 A	16-Jan-22	16-Jan-22		- Review by PM's & ICE review (28 d + 7d)
IP-770	SDT - Resubmission for further review	14	21-May-21 A	03-Jun-21 A	09-Nov-27	09-Nov-27		T- Resubmission for further review
AIP-780	SDT - Obtain Approval	7	04-Jun-21 A	10-Jun-21 A	09-Nov-27	09-Nov-27		DT - Obtain Approval
	AIP Report for Biogas H2S Removal, Storage and Delivery System	102	01-Mar-21 A	10-Jun-21 A	09-Nov-27	09-Nov-27		
NP-790	H2S - Prepare & Submission for PM's review	46	01-Mar-21 A	15-Apr-21 A	09-Nov-27	09-Nov-27		
NP-800	H2S - Review by PM's & ICE review (28 d + 7d)	35	16-Apr-21 A	20-May-21 A	09-Nov-27	09-Nov-27		Prenare & Submission for PM's review - Review by PM's & ICE review (28 d +/7d)
			· ·					
IP-810	H2S - Resubmission for further review	14	21-May-21 A	03-Jun-21 A	09-Nov-27	09-Nov-27		S-Resubmission for further review IS -Obtain Approval
IP-820	H2S - Obtain Approval	7	04-Jun-21 A	10-Jun-21 A	09-Nov-27	09-Nov-27		tS -Obtain Approval
ackage 14A - E&M A	AIP Report for Deodorization Unit System	198	23-Jun-21 A	20-Oct-21	19-Oct-27	08-Nov-27	2210	
IP-830	DEO - Prepare & Submission for PM's review	46	23-Jun-21 A	09-Jul-21 A	19-Oct-27	19-Oct-27		😝 DEO - Prepare & Submission for PM's review
IP-840	DEO - Review by PM's & ICE review (28 d + 7d)	46	10-Jul-21 A	24-Aug-21 A	19-Oct-27	19-Oct-27		EO - Review by PM's & ICE review (28 d + 7d)
IP-850	DEO - Resubmission for further review	14	25-Aug-21 A	13-Oct-21	19-Oct-27	01-Nov-27	2210	DEO - Resubmission for further review
IP-860	DEO - Obtain Approval	7	14-Sep-21 A	20-Oct-21	02-Nov-27	08-Nov-27	2210	DEO - Obtain Approval
ackage 15A - Civil. S	Structural & Geotechnical	81	30-Mar-21 A	18-Jun-21 A	25-Nov-21	10-Jan-22		
IP-380	Civil, Structural & Geotechnical - Prepare & Submission for PM's review	25	30-Mar-21 A	23-Apr-21 A	25-Nov-21	25-Nov-21		structural & Geotechnical - Prepare & Submission for PM's review
IP-390	Civil, Structural & Geotechnical - Propare & Coonsistent of HM strenew Civil, Structural & Geotechnical - Review by PM's & ICE review (28 d + 7d)	35	24-Apr-21 A	28-May-21 A	25-Nov-21	25-Nov-21		
IP-400		14	· ·					I, Structural & Geotechnical - Review by PM's & ICE review (28 d + 7d)
	Civil, Structural & Geotechnical - Resubmission for further review	7	29-May-21 A	11-Jun-21 A	25-Nov-21	25-Nov-21		vil, Structural & Geotechnical - Resubmission for further review
IP-410	Civil, Structural & Geotechnical - Obtain Approval		12-Jun-21 A	18-Jun-21 A	10-Jan-22	10-Jan-22		vil, Structural & Geotechnical - Obtain Approval
-	AIP Report for Hydraulic Design	160	01-Mar-21 A	31-Aug-21 A	09-Nov-27	09-Nov-27		┨┾ <mark>╸</mark> ┙┙┥┙┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿┿
IP-870	Hydraulic - Prepare & Submission for PM's review	46	01-Mar-21 A	15-Apr-21 A	09-Nov-27	09-Nov-27		lić - Prepare & Submission for PM's review
IP-880	Hydraulic - Review by PM's & ICE review (28 d + 7d)	35	16-Apr-21 A	20-May-21 A	09-Nov-27	09-Nov-27		raul <mark>ic</mark> - Review by PM's & ICE review (28 d + 7d);
IP-890	Hydraulic - Resubmission for further review	14	21-May-21 A	03-Jun-21 A	09-Nov-27	09-Nov-27		drau <mark>l</mark> ic' - Résubmission for further review
IP-900	Hydraulic - Obtain Approval	38	01-Jul-21 A	31-Aug-21 A	09-Nov-27	09-Nov-27		Hydraulic - Obtain Approval
peworks System		143	01-Jun-21 A	21-Oct-21	30-Aug-22	20-Sep-22	334	
IP-300	Pipeworks System - Prepare & Submission for PM's review	57	01-Jun-21 A	27-Jul-21 A	30-Aug-22	30-Aug-22		Pipeworks System - Prepare & Submission for PM's review
IP-310	Pipeworks System - Review by PM's & ICE review (28 d + 7d)	35	28-Jul-21 A	30-Sep-21	30-Aug-22	30-Aug-22	334	Pipeworks System - Review by PM's & ICE review (28 d + 7d)
IP-320	Pipeworks System - Resubmission for PM's review	14	01-Oct-21	14-Oct-21	31-Aug-22	13-Sep-22	334	Pipeworks System - Resubmission for PM's review
IP-330	Pipeworks System - Obtain Approval	7	15-Oct-21	21-Oct-21	14-Sep-22	20-Sep-22	334	· · · · · · · · · · · · · · · · · · ·
		122	01-Jul-21 A	21-Oct-21 25-Oct-21	30-Sep-21	11-Jun-24	960	Pipeworks System - Obtain Approval
rchitecture								
IP-340	Architecture - Prepare & Submission for PM's review	38	01-Jul-21 A	02-Oct-21	30-Sep-21	02-Oct-21	0	Architecture - Prepare & Submission for PM's review
IP-350	Architecture - Review by PM's & ICE review (28 d + 7d)	28	07-Sep-21 A	04-Oct-21	03-Oct-21	04-Oct-21	0	Architecture - Review by PM's & ICE review (28 d + 7d)
NP-360	Architecture - Resubmission for further review	14	05-Oct-21	18-Oct-21	05-Oct-21	18-Oct-21	0	Architecture Resubmission for further review
NP-370	Architecture - Obtain Approval	7	19-Oct-21	25-Oct-21	05-Jun-24	11-Jun-24	960	Architecture - Obtain Approval
Α		1475	27-Apr-21 A	10-May-25	05-Oct-21	08-Nov-27	912	
ackage 1 - General /	Architecture, Civil, Structural & Geotechnical	143	19-Jun-21 A	08-Nov-21	10-Jan-22	19-Feb-22	103	
DA-100	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Prepare & Submission for PM's review	73	19-Jun-21 A	30-Sep-21	10-Jan-22	10-Jan-22	103	Contractor's Design for General Architecture, Civil, Structural & Geotech
DA-110	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Review by PM's & ICE review (28 d + 7d)	35	31-Aug-21 A	04-Oct-21	11-Jan-22	15-Jan-22	103	Confractor's Design for General Architecture, Civil, Structural & Geotec
DA-120	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Resubmission for further review	14	28-Sep-21 A	11-Oct-21	11-Jan-22	22-Jan-22	103	Contractor's Design for General Architecture, Civil, Structural & Geotec
DA-1080	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Submit to GEO for comment and approval	28	12-Oct-21	08-Nov-21	23-Jan-22	19-Feb-22	103	Contractor's Design for General Architecture, Civil, Structural & Geote
DA-130	Contractor's Design for General Architecture, Civil, Structural & Geotechnical - Obtain Approval	7	02-Nov-21	08-Nov-21	13-Feb-22	19-Feb-22	103	Contractor's Design for General Architecture, Civil, Structural & Geot
ackage 2 - Tertiary 1	Treatment System	514	13-Jun-21 A	08-Nov-22	19-Jan-22	19-Dec-23	406	
DA-170	Civil Reg. for TTS (Foundation design) - Prepare(27d), Sub. & Review.(45d),Comment & Resub.(14d), GEO(28d)&Approval (7d)	121	13-Jun-21 A	11-Oct-21	28-May-22	08-Jun-22	240	Chill Dog far LTC (Faundation dogina)   Proporo(27d)   Oub & Povious
DA-150	Foundation for TTS - Prepare (90d), Sub. & Review (45d) ,Comment & Resub.(14d) & Approval (7d), GEO (28d)	184	08-Oct-21	09-Apr-22	19-Jan-22	21-Jul-22	103	Civil Reg. for ITS (Foundation design) Prepare(27d), Sub. & Review
	Civil Reg. for TTS (Superstruct. design) - Prepare (147d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	213		· ·			240	Foundation for TTS - Prepare (90d), Sub. & Review (45d
DA-180			11-Oct-21	11-May-22	08-Jun-22	06-Jan-23		Civil Req. for TTS (Superstruct. design) - Prepare (147
DA-190	P&ID for TTS - Prepare (60d), Sub. & Review (45d) , Comment & Resub. (14d) & Approval (7d)	126	07-Nov-21	12-Mar-22	16-Aug-23	19-Dec-23	647	P&ID for TTS; - Prepare (60d); Sub. & Review (45d) , Com
DA-200	Mechanical for TTS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	07-Nov-21	12-Mar-22	16-Aug-23	19-Dec-23	647	Mechanical for TTS - Prepare (60d), Sub. & Review (45d)
DA-210	Electrical& Control for TTS - Prepare (60d), Sub. & Review.(45d) , Comment & Resub.(14d) & Approval (7d)	126	07-Nov-21	12-Mar-22	16-Aug-23	19-Dec-23	647	Electrical& Control for TTS - Prepare (60d), Sub. & Review
DA-220	Building Services (BS) for TTS - Prepare (60d), Sub. & Review.(45d) , Comment & Resub.(14d) & Approval (7d)	126	07-Nov-21	12-Mar-22	16-Aug-23	19-Dec-23	647	Building Services (B\$) for TTS - Prepare (60d), Sub. & Re
DA-140	Architectural for TTS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	09-Nov-21	14-Mar-22	20-Feb-22	25-Jun-22	103	Architectural for TTS - Prepare (60d), Sub. & Review (45d)
DA-160	Civil & Structural for TTS - Prepare (120d), Sub. & Review (45d) , Comment & Resub. (14d) & Approval (7d)	186	07-May-22	08-Nov-22	18-Aug-22	19-Feb-23	103	Civil;& Structural for TTS - Prepare (120)
	am Bio-Reactor System	352	09-Jun-21 A	17-Aug-22	05-Oct-21	27-Oct-23	436	
DA-260	Civil Req. for MBS-AGS (Foundation design) - Prepare (60d), Sub. & Review (45d) , Comment & Resub.(14d) & Approval (7d)	126	09-Jun-21 A	03-Jan-22	29-Dec-21	03-Apr-22	90	Civil Reg. for MBS-AGS (Foundation design);- Prepare (60d), St
DA-270	Civil Req. for MBS-AGS (Superstruct. design) - Prepare (60d), Sub. & Review (45d) ,Comment & Resub.(14d) & Approval (7d)	126	15-Sep-21 A	18-Jan-22	29-Dec-21	18-Apr-22	90	Civil Reg. for MBS-AGS (Superstruct, design) - Prepare (600), St
DA-230	Architectural for MBS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	05-Oct-21	07-Feb-22	05-Oct-21	07-Feb-22		<b>·····································</b>
								Architectural for MBS - Prepare (60d), Sub. & Review (45d) ,
DA-1090	Architectural for Ancillary Facilities - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	05-Oct-21	07-Feb-22	17-Mar-22	20-Jul-22	163	Architectural for Ancillary Facilities - Prepare (60d), Sub. & Re
DA-280	P&ID for TTS - MBS (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21	10-Feb-22	24-Jun-23	27-Oct-23	624	P&ID for TTS - MBS (60d), Sub; & Review (45d), Comment &
DA-290	Mechanical for MBS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21	10-Feb-22	24-Jun-23	27-Oct-23	624	Mechanical for MBS, - Prepare (60d), Sub. & Review (45d) ,
DA-300	Electrical& Control for MBS - Prepare (60d), Sub. & Review (45d) , Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21	10-Feb-22	24-Jun-23	27-Oct-23	624	Electrical& Control for MBS - Prepare (60d), Sub. & Review (
DA-310	Building Services (BS) for MBS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21	10-Feb-22	24-Jun-23	27-Oct-23	624	Building Services (B\$) for MBS - Prepare (60d), Sub. & Rev
DA-240	Foundation for MBS - Prepare (97d), Sub. & Review.(45d) ,Comment & Resub.(14d),GEO (28d)& Approval (7d)	191	08-Feb-22	17-Aug-22	08-Feb-22	17-Aug-22	0	Foundation for MBS - Prepare (97d); Sub. & F
DA-250	Civil & Structural for MBS - Prepare (60d), Sub. & Review (45d) , Comment & Resub. (14d) & Approval (7d)	126	15-Mar-22	18-Jul-22	13-Jun-22	16-Oct-22	90	Givil & Structural for MBS - Prepare (60d), Sub. 8
ackage 4 - Ancillary	/ Facilities	296	15-Jul-22	06-May-23	21-Jul-22	12-May-23	6	
DA-1100	Foundation for Ancillary Facilities- Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d),GEO (28d)& Approval (7d)	126	15-Jul-22	17-Nov-22	21-Jul-22	23-Nov-22	6	Foundation for Ancillary Facilities- Prep
DA-1110	Civil & Structural for Ancillary Facilities - Prepare (104d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	170	18-Nov-22	06-May-23	24-Nov-22	12-May-23	6	Civil:& Structural for Ancilla
	Water Meter Room	658	16-Mar-22	02-Jan-24	12-Jun-24	31-Mar-26	819	
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DA-350	Architectural for Master Water Meter Room - Prepare (60d), Sub. & Peview (45d), Comment & Resub.(14d) & Approval (7d)	126	16-Mar-22	19-Jul-22	12-Jun-24	15-Oct-24	819	Architectural for Master Water Meter Room - Pre
DA-360	Foundation for Master Water Meter RM- Prepare (60d), Sub. & Review.(45d), Comment & Resub.(14d), GEO(28d) & Approval (7d)	154	20-Jul-22	20-Dec-22	16-Oct-24	18-Mar-25	819	Foundation for Master Water Meter
DDA-370	Civil & Struct. for Master Water Meter Room- Prepare (90d), Sub. & Peview (45d) , Comment & Resub. (14d) & Approval (7d)	156	21-Dec-22	25-May-23	19-Mar-25	21-Aug-25	819	Civil & Struct. for Master
DDA-380	General Arrangement & Civil Req. for MWMR - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	26-Apr-23	29-Aug-23	26-Nov-25	31-Mar-26	945	General Arrangel
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Critical Remaining Work

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tivity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	Float 2022 2023 2024 2025 2026 2027 2 23 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1
DDA-390	P&ID for MWMR - MBS (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	26-Apr-23	29-Aug-23	23-Jul-25	25-Nov-25	819	1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2
DDA-400	Mechanical for MWMR - Prepare (60d), Sub. & Review (45d) , Comment & Resub.(14d) & Approval (7d)	126	30-Aug-23	02-Jan-24	26-Nov-25	31-Mar-26	819	
DDA-410	Electrical& Control for MWMR - Prepare (60d), Sub. & Review (45d) , Comment & Resub.(14d) & Approval (7d)	126	30-Aug-23	02-Jan-24	26-Nov-25	31-Mar-26	819	
Package 5B - Plan		282	27-Apr-21 A	03-Jan-22	02-Aug-22	19-Dec-23	715	15
DDA-1040	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub & Review(28d), Comment & Resub (14d) & Approval (7d)	96	27-Apr-21 A	31-Jul-21 A	16-Aug-23	16-Aug-23		Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub & Review(28d), Comment& Résub (14d) & Approval (7d)
DDA-1050	Civil Requirement Drawings - Prep(60d), Sub & Review(45d), Comment& Resub (14d) & Approval (7d)	126 126	12-Jun-21 A	15-Oct-21 03-Jan-22	02-Aug-22	17-Aug-22 19-Dec-23	306 715	
DDA-1080	Electrical & Control for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d) Mechanical for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	31-Aug-21 A 31-Aug-21 A	03-Jan-22	15-Sep-23 15-Sep-23	19-Dec-23	715	
Package 6 - Sludg		351	28-Jun-21 A	13-Jun-22	26-Mar-22	21-Feb-23	253	
DDA-440B	Civil Req. for STCDS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	31-Oct-21	21-Jan-23	21-Feb-23	478	78 Civil Redy. for STCDS - Prepare (60d), Sub. & Review (45d) (Comment & Resub.(14d) & 'Approval' (7d))
DDA-1120	P&ID for STCDS - Prepare (60d), Sub. & Review (45d) , Comment & Resub. (14d) & Approval (7d)	126	28-Jun-21 A	31-Oct-21	21-Jan-23	21-Feb-23	478	<u>++-</u>
DDA-1130	Mechanical for STCDS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	31-Oct-21	21-Jan-23	21-Feb-23	478	
DDA-1140	Electrical & Control for STCDS - Prepare (60d), Sub. & Review (45d) ,Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	31-Oct-21	21-Jan-23	21-Feb-23	478	78 Electrical & Control for STCDS - Preparel (60d), Sub & Review (45d) ; Comment & Resub (14d) & Approval (7d)
DDA-1150	Building Services for STCDS - Prepare (60d), Sub. & Review (45d) ,Comment & Resub.(14d) & Approval (7d)	126	28-Jun-21 A	31-Oct-21	21-Jan-23	21-Feb-23	478	
DDA-420	Arch. for STCS, Waste Gas Burner & Guard Hse - Prepare (60d), Sub. & Review (45d) ,Com. & Resub.(14d) & Approval (7d)	126	05-Oct-21	07-Feb-22	26-Mar-22	29-Jul-22	172	
DDA-440 DDA-430	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review.(45d), Comment & Resub.(14d) & Approval (7d) Found.for STCS, WasteGasBurner & Guard Hse- Prepare(60d), Sub. & Review.(45d), Comment & Resub.(14d), GEO(28d) & Approval (7d)	126 126	09-Nov-21 08-Feb-22	14-Mar-22 13-Jun-22	19-Oct-22 30-Jul-22	21-Feb-23 02-Dec-22	344 172	
	Substation and 11kV Switchgear House	120	01-Jun-21 A	17-Nov-21	25-Nov-21	02-Dec-22 08-Jun-22	203	
DDA-450	Found for CLP Sub. &11kV Switchgear Hse- Prepare (30d),Sub.&Review(30d),Comment&Resub.(14d),GEO(28d)& Approval (7d)	82	01-Jun-21 A	05-Oct-21	25-Nov-21	30-Nov-21	56	
DDA-460	Civil&Struct. for CLP Sub. &11kV Switchgear Hse- Prep. (30d), Sub. & Review.(30d) ,Comment & Resub.(14d) & Approval(7d)	82	01-Jun-21 A	05-Oct-21	25-Nov-21	30-Nov-21	56	
DDA-470	Electrical System for all facilities - Prepare (28d), Sub. & Review (28d) , Comment & Resub. (14d) & Approval (7d)	78	01-Jun-21 A	05-Oct-21	25-Nov-21	30-Nov-21	56	
DDA-490	BS for CLP Sub. &11kV Switchgear Hse - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	78	01-Jun-21 A	05-Oct-21	21-Apr-22	26-Apr-22	203	
DDA-480	UPS System for CLPSub.&11kV Switchgear Hse - Prepare (102d), Sub. & Review. (45d), Comment & Resub. (14d)&Approval (7d)	168	03-Jun-21 A	17-Nov-21	21-Apr-22	08-Jun-22	203	
DDA-1160	Earthing & Lighting System Design Report - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	78	02-Jul-21 A	05-Oct-21	25-Nov-21	30-Nov-21	56	6 📃 Earthing & Lighting System Design Report - Prepare (28d), Sub. & Review(28d) , Comment & Resub.(14d) & Approval (7d)
DDA-1450	VCAB, FSD & WSD Design Report - Prepare (28d), Sub. & Review.(28d) , Comment & Resub.(14d) & Approval (7d)	78	02-Jul-21 A	05-Oct-21	25-Nov-21	30-Nov-21	56	
Package 8 - Advar	nce Works and SCADA Relocation	78	04-May-21 A	16-Nov-21	30-Nov-21	16-Jan-22	61	
DDA-520	BS for Advance Works - Prepare (60d), Sub. & Review.(45d), Comment & Resub.(14d) & Approval (7d)	78	04-May-21 A	16-Nov-21	30-Nov-21	16-Jan-22	61	
DDA-500	Mechanical for Advance Works - Prepare (60d), Sub. & Review (45d), Comment & Resub. (14d) & Approval (7d)	78	22-May-21 A	16-Nov-21	30-Nov-21	16-Jan-22	61	
DDA-510 DDA-530	Electrical & Control for Advance Works - Prepare (60d), Sub. & Review (45d) ,Comment & Resub. (14d) & Approval (7d)	78	04-Jun-21 A	16-Nov-21	30-Nov-21 02-Dec-21	16-Jan-22 16-Jan-22	61	
DDA-530 Package 9 - Inlet \	E&M for Advance Works - SCADA Rebcation - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	76 203	24-Jun-21 A 10-Jun-21 A	14-Nov-21 29-Dec-21	02-Dec-21 19-Feb-22	16-Jan-22 03-Mar-23	63 429	
DDA-1170	Civil Reg. Drawing for Inlet Work - Prepare (30d), Sub. & Review (30d) , Comment & Resub. (14d) & Approval (7d)	82	10-Jun-21 A	05-Oct-21	19-Feb-22 19-Feb-22	24-Feb-22	142	
DDA-1180	PID for Inlet Work - Prepare (30d), Sub. & Review (30d), Comment & Resub.(14d) & Approval (7d)	82	10-Jun-21 A	05-Oct-21	19-Feb-22	24-Feb-22	142	
DDA-1190	Mechanical for Inlet Work - Prepare (28d), Sub. & Review.(28d), Comment & Resub.(14d) & Approval (7d)	78	09-Aug-21 A	16-Nov-21	25-Oct-22	11-Dec-22	390	
DDA-1200	Electrical & Control for Inlet Work - Prepare (28d), Sub. & Review (28d) ,Comment & Resub.(14d) & Approval (7d)	78	31-Aug-21 A	16-Nov-21	25-Oct-22	11-Dec-22	390	
DDA-1210	Building Services for Inlet Work - Prepare (28d), Sub. & Review (28d) , Comment & Resub. (14d) & Approval (7d)	76	15-Oct-21	29-Dec-21	18-Dec-22	03-Mar-23	429	
Package 10 - Prim	nary Sedimentation Tank (PST)	200	01-Jun-21 A	17-Dec-21	29-Mar-23	15-Jun-23	545	
DDA-1220	Civil Req. Drawing for PST - Prepare (46d), Sub. & Review (30d) , Comment & Resub. (14d) & Approval (7d)	98	01-Jun-21 A	30-Sep-21	29-Mar-23	29-Mar-23	545	45 🗮 Civil Reg. Drawing for PST - Préparé (46d), Sub. & Review (30d), Comment & Resub. (14d) & Approval (7d)
DDA-1230	PID for PST - Prepare (46d), Sub. & Review.(30d) ,Comment & Resub.(14d) & Approval (7d)	98	01-Jun-21 A	30-Sep-21	29-Mar-23	29-Mar-23	545	
DDA-1240	Mechanical for PST - Prepare (46d), Sub. & Review.(30d) ,Comment & Resub.(14d) & Approval (7d)	98	01-Jun-21 A	30-Sep-21	29-Mar-23	29-Mar-23	545	
DDA-1250	Electrical & Control for PST - Prepare (28d), Sub. & Review.(28d) , Comment & Resub.(14d) & Approval (7d)	48	31-Aug-21 A	16-Nov-21	29-Mar-23	15-May-23	545	45 Electrical & Control for PST- Prepare (28d), Sub; & Review (28d), Comment & Resub. (14d) & Approval (7d);
DDA-1260	Building Services for PST - Prepare (28d), Sub. & Review (28d) ,Comment & Resub.(14d) & Approval (7d)	78	01-Oct-21	17-Dec-21	30-Mar-23	15-Jun-23	545	
Package 11 - Cont	trol and Monitoring System	322	31-Aug-21 A	17-Aug-22	20-Sep-23	07-Dec-23	477	77
DDA-550	Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	31-Aug-21 A	16-Nov-21	20-Sep-23	06-Nov-23	720	
DDA-580	Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	02-Oct-21	18-Dec-21	21-Sep-23	07-Dec-23	719	
DDA-560	Computerised Mainatenance Mangement System (CMMS) - Prep(28d), Sub & Review(28d), Comment& Resub (14d) & Approval (7d)	78	01-Jun-22*	17-Aug-22	21-Sep-23	07-Dec-23	477	
DDA-570 DDA-1270	Information and Document mangement System (IDMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d) Gas Detection System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78 78	01-Jun-22 01-Jun-22	17-Aug-22 17-Aug-22	21-Sep-23 21-Sep-23	07-Dec-23 07-Dec-23	477	
DDA-1270	Data Collection, Management, Analysis,& Model System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	78	01-Jun-22	17-Aug-22	21-Sep-23	07-Dec-23	477	
	mical System for STB	126	07-Jun-22	10-Oct-22	29-Oct-22	03-Mar-23	144	
DDA-650	Chemical System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	07-Jun-22	10-Oct-22	29-Oct-22	03-Mar-23	144	
Package 13 - Pipe		360	18-Sep-21 A	27-Sep-22	05-Jun-22	03-Jun-24	615	
DDA-670	Pipeworks System for Primary Sedimentation Tanks (PST) - Prep(57d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)	123	18-Sep-21 A	18-Jan-22	05-Jun-22	20-Sep-22	245	
DDA-680	Pipeworks System for Biogas Holder (BH) - Prep(57d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	123	18-Sep-21 A	18-Jan-22	05-Jun-22	20-Sep-22	245	
DDA-690	Pipeworks System for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	19-Jan-22	24-May-22	08-Nov-22	13-Mar-23	293	
DDA-700	Pipeworks System for Utility Corridor&Pipe Portal (UC/PP) - Prep(103d), Sub.&Review(45d), Comment&Resub(14d)&Approval(7d)	126	19-Jan-22	24-May-22	08-Nov-22	13-Mar-23	293	33 . Pipeworks System for Utility Comdor&Pipe Portal (UC/PP)- Prep(103d), Sub.&Review(45d), Comment&Resub(14d)&Approva(7d)
DDA-1030	Pipeworks System for Sludge Digesters - Prep(60d), Sub. & Review (45d), Comment & Resub (14d) & Approval (7d)	126	19-Jan-22	24-May-22	26-Sep-23	29-Jan-24	615	
DDA-660	Pipeworks System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	25-May-22	27-Sep-22	30-Jan-24	03-Jun-24	615	
<b>`</b>	dge Anaerobic Digestion System (SDT)	456	02-Jul-21 A	30-Sep-22	16-Jan-22	25-Sep-24	726	
DDA-1320	Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review (45d) , Comment & Resub. (14d) & Approval (7d)	121	02-Jul-21 A	30-Oct-21	26-Apr-24	26-May-24	939	
DDA-1290	Civil Req. Drawing for SDT - Prepare (47d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A	30-Oct-21	16-Jan-22	15-Feb-22	108	
DDA-1300 DDA-1310	PID for SDT - Prepare (47d), Sub. & Review,(45d) ,Comment & Resub.(14d) & Approval (7d) Mechanical for SDT & UC/PP - Prepare (47d), Sub. & Review,(45d) ,Comment & Resub.(14d) & Approval (7d)	113 113	10-Jul-21 A 10-Jul-21 A	30-Oct-21 30-Oct-21	05-Jan-24 05-Jan-24	04-Feb-24 04-Feb-24	827 827	
DDA-1310 DDA-1340	Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review (45d) ,Comment & Resub.(14d) & Approval (7d) Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review (45d) ,Comment & Resub.(14d) & Approval (7d)	113	10-Jul-21 A 10-Jul-21 A	30-Oct-21 30-Oct-21	26-Sep-23	26-Oct-23	726	
DDA-1340	Building Services for SDT & UC/PP - Piepare (56d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	122	01-Jun-22	30-Sep-22	20-3ep-23 27-May-24	25-Sep-24	726	
	gas H2S Removal, Storage and Delivery System	250	13-Jul-21 A	19-Mar-22	16-Jan-22	20-Sep-24	185	
DDA-1360	PID for Biogas H2S Removal, Storage and Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	75	13-Jul-21 A	22-Oct-21	10-Feb-22	04-Mar-22	133	
DDA-1350		78	31-Aug-21 A	16-Nov-21	16-Jan-22	04-Mar-22	108	
DDA-1370	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)					20-Sep-22	185	
BBITTOTO		78	01-Jan-22	19-Mar-22	05-Jul-22	20-069-22		
DDA-1380	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)		01-Jan-22 01-Jan-22	19-Mar-22 19-Mar-22	05-Jul-22	20-Sep-22	185	
DDA-1380 DDA-1390	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78 78 78	01-Jan-22 01-Jan-22		05-Jul-22 05-Jul-22	20-Sep-22 20-Sep-22	185 185	<ul> <li>Electrical &amp; Control for Biogas H2S Removal System - Prepare(28d), Sub&amp; Review(28d), Comment&amp;Resub(14d)&amp;Approval (7d)</li> <li>Building Services for Biogas H2S Removal System - Prepare(28d), Sub&amp; Review(28d), Comment&amp;Resub(14d)&amp;Approval (7d)</li> </ul>
DDA-1380 DDA-1390 DDA-1400	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78 78 78 78 78	01-Jan-22 01-Jan-22 01-Jan-22	19-Mar-22 19-Mar-22 19-Mar-22	05-Jul-22 05-Jul-22 05-Jul-22	20-Sep-22 20-Sep-22 20-Sep-22	185 185 185	Building Service's for Biogas H2's Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)           Building Service's for Biogas H2's Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)           Civit Req. Drawing for Biogas H2's Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)
DDA-1380 DDA-1390 DDA-1400 Package 16 - Deoc	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78 78 78 78 78 78 78	01-Jan-22 01-Jan-22 01-Jan-22 28-Feb-22	19-Mar-22 19-Mar-22 19-Mar-22 16-May-22	05-Jul-22 05-Jul-22 05-Jul-22 23-Aug-27	20-Sep-22 20-Sep-22 20-Sep-22 08-Nov-27	185 185 185 2002	35       Electrical & Control for:Biogas H2S Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Building: Service's for Biogas H2S Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Civil Req. Drawing for Biogas H2S Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Civil Req. Drawing for Biogas H2S Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       Civil Req. Drawing for Biogas H2S Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       Civil Req. Drawing for Biogas H2S Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         37       Civil Req. Drawing for Biogas H2S Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         38       Civil Req. Drawing for Biogas H2S Removal System : Prepare(28d), Sub & Review(28d), Comment&Resub(14d)&Approval (7d)         39       Civil Req. Drawing for Biogas H2S Removal System : Prepare(28d), Sub & Review(28d), Comment&Resub(14d)& Approval (7d)         39       Civil Req. Drawing for Biogas H2S Removal System : Prepare(28d), Sub & Review(28d), Comment&Resub(14d)& Approval (7d)         39       Civil Req. Drawing for Biogas H2S Removal System : Prepare(28d), Sub & Review(28d), Comment&Resub(14d)& Approval (7d)
DDA-1380 DDA-1390 DDA-1400 Package 16 - Deox DDA-1410	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         PID for DOU System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78           78           78           78           78           78           78           78           78           78	01-Jan-22 01-Jan-22 01-Jan-22 28-Feb-22 28-Feb-22*	19-Mar-22 19-Mar-22 19-Mar-22 16-May-22 16-May-22	05-Jul-22 05-Jul-22 05-Jul-22 23-Aug-27 23-Aug-27	20-Sep-22 20-Sep-22 20-Sep-22 08-Nov-27 08-Nov-27	185 185 185 2002 2002	35       Electrical & Control for:Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Building: Services for Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Cvil Req. Drawing for Biogas H2\$ Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       Cvil Req. Drawing for Biogas H2\$ Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         37       Cvil Req. Drawing for Biogas H2\$ Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         38       PID for DOU System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         39       PID for DOU System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)
DDA-1380 DDA-1390 DDA-1400 Package 16 - Deoc	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78 78 78 78 78 78 78	01-Jan-22 01-Jan-22 01-Jan-22 28-Feb-22	19-Mar-22 19-Mar-22 19-Mar-22 16-May-22	05-Jul-22 05-Jul-22 05-Jul-22 23-Aug-27 23-Aug-27	20-Sep-22 20-Sep-22 20-Sep-22 08-Nov-27	185 185 185 2002	35       Electrical & Control for:Biogas H2S Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Building: Service's for Biogas H2S Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Civil Req. Drawing for Biogas H2S Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       Civil Req. Drawing for Biogas H2S Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         37       PiD for DOU System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         38       PiD for DOU System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         39       PiD for DOU System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         30       Mechanical for DOU No. 1 + Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         30       Mechanical for DOU No. 1 + Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)
DDA-1380 DDA-1390 DDA-1400 Package 16 - Deoo DDA-1410 DDA-1420	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         dorization Unit System         PID for DOU System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78       78       78       78       78       78       78       78       78	01-Jan-22 01-Jan-22 01-Jan-22 28-Feb-22 28-Feb-22* 28-Feb-22	19-Mar-22 19-Mar-22 19-Mar-22 16-May-22 16-May-22 16-May-22	05-Jul-22 05-Jul-22 23-Aug-27 23-Aug-27 23-Aug-27 23-Aug-27	20-Sep-22 20-Sep-22 08-Nov-27 08-Nov-27 08-Nov-27	185           185           185           2002           2002           2002	Electrical & Control for:Biogas H2S Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)     Building, Services for Biogas H2S Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)     Cvvi Req. Drawing for Biogas H2S, Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)     Cvvi Req. Drawing for Biogas H2S, Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)     Cvvi Req. Drawing for Biogas H2S, Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)     Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)     Mechanical for DOU System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)     Detailed Work's Programme
DDA-1380 DDA-1390 DDA-1400 Package 16 - Deox DDA-1410	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         dorization Unit System         PID for DOU System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Remaining Level of Effort	78       78       78       78       78       78       78       78       78	01-Jan-22 01-Jan-22 01-Jan-22 28-Feb-22 28-Feb-22* 28-Feb-22	19-Mar-22 19-Mar-22 19-Mar-22 16-May-22 16-May-22 16-May-22	05-Jul-22 05-Jul-22 23-Aug-27 23-Aug-27 23-Aug-27 23-Aug-27	20-Sep-22 20-Sep-22 08-Nov-27 08-Nov-27 08-Nov-27	185           185           185           2002           2002           2002	35 Electrical & Control for:Biogas H2S Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)   35 Building:Services for Biogas H2S Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)   35 Cvi Red. Drawing for Biogas H2S Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)   36 Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)   37 Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)   38 Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)   39 Project ID :
DDA-1380 DDA-1390 DDA-1400 Package 16 - Deoc DDA-1410 DDA-1420	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         dorization Unit System         PID for DOU System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78 78 78 78 78 78 78 78 78 <b>C/2</b>	01-Jan-22 01-Jan-22 01-Jan-22 28-Feb-22 28-Feb-22* 28-Feb-22* 28-Feb-22	19-Mar22 19-Mar22 19-Mar22 16-May22 16-May22 16-May22	05-Jul-22 05-Jul-22 05-Jul-22 23-Aug-27 23-Aug-27 23-Aug-27	20.5ep-22 20.5ep-22 20.5ep-22 08.Nov-27 08.Nov-27 08.Nov-27	185 185 2002 2002 2002	35       Electrical & Control for:Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Building Services for Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Cvil Red. Drawing for Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       Cvil Red. Drawing for Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       PID for DOU System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         37       PID for DOU System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         38       Project ID : DWP.DPr6_210930         39       Date         39       Revision         39       Checked Approv
DDA-1380 DDA-1390 DDA-1400 Package 16 - Deoc DDA-1410 DDA-1420	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         dorization Unit System         PID for DOU System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Remaining Level of Effort	78 78 78 78 78 78 78 78 78 <b>C/2</b>	01-Jan-22 01-Jan-22 01-Jan-22 28-Feb-22 28-Feb-22* 28-Feb-22* 28-Feb-22	19-Mar22 19-Mar22 19-Mar22 16-May22 16-May22 16-May22	05-Jul-22 05-Jul-22 05-Jul-22 23-Aug-27 23-Aug-27 23-Aug-27	20.5ep-22 20.5ep-22 20.5ep-22 08.Nov-27 08.Nov-27 08.Nov-27	185 185 2002 2002 2002	35       Electrical & Control for:Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Building: Services for Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Cvil Red. Drawing for Biogas H2\$ Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       PID for DOU System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       PID for DOU System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         37       Project ID :         38       Detailed Works Programme         39       Date       Revision         39       Child Resub(14d) Resub(14d)         39       Revision       Child Resub(14d)         39       Revision       Child Resub(14d)         30       Revision       Child Resub(14d)         31       Revision       Child Resub(14d)         32       Revision       Child Resub(14d)         32       Revision       Child Resub(14d)         33       Revision       Child Resub(14d)         34       Revision       Child Resub(14d)         35       Revision       Child Resub(14d)         36       Revision       Child Resub(14d)         3
DDA-1380 DDA-1390 DDA-1400 Package 16 - Deoc DDA-1410 DDA-1420	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         dorization Unit System         PID for DOU System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Comment&Resub(14d)&Approval (7d) <td>78 78 78 78 78 78 78 78 78 <b>C/2</b></td> <td>01-Jan-22 01-Jan-22 01-Jan-22 28-Feb-22 28-Feb-22* 28-Feb-22</td> <td>19-Mar22 19-Mar22 19-Mar22 16-May22 16-May22 16-May22</td> <td>05-Jul-22 05-Jul-22 05-Jul-22 23-Aug-27 23-Aug-27 23-Aug-27</td> <td>20.5ep-22 20.5ep-22 20.5ep-22 08.Nov-27 08.Nov-27 08.Nov-27</td> <td>185 185 2002 2002 2002</td> <td>35       Electrical &amp; Control for:Biogas H2\$ Removal System : Prepare(28d), Sub&amp; Review(28d), Comment&amp;Resub(14d)&amp;Approval (7d)         35       Building Services for Biogas H2\$ Removal System : Prepare(28d), Sub&amp; Review(28d), Comment&amp;Resub(14d)&amp;Approval (7d)         35       Cvil Red. Drawing for Biogas H2\$ Removal System : Prepare(28d), Sub&amp; Review(28d), Comment&amp;Resub(14d)&amp;Approval (7d)         36       Cvil Red. Drawing for Biogas H2\$ Removal System : Prepare(28d), Sub&amp; Review(28d), Comment&amp;Resub(14d)&amp;Approval (7d)         36       PID for DOU System : Prepare(28d), Sub&amp; Review(28d), Comment&amp;Resub(14d)&amp;Approval (7d)         37       PID for DOU System : Prepare(28d), Sub&amp; Review(28d), Comment&amp;Resub(14d)&amp;Approval (7d)         38       Project ID : DWP.DPr6_210930         39       Date         39       Revision         39       Checked Approv</td>	78 78 78 78 78 78 78 78 78 <b>C/2</b>	01-Jan-22 01-Jan-22 01-Jan-22 28-Feb-22 28-Feb-22* 28-Feb-22	19-Mar22 19-Mar22 19-Mar22 16-May22 16-May22 16-May22	05-Jul-22 05-Jul-22 05-Jul-22 23-Aug-27 23-Aug-27 23-Aug-27	20.5ep-22 20.5ep-22 20.5ep-22 08.Nov-27 08.Nov-27 08.Nov-27	185 185 2002 2002 2002	35       Electrical & Control for:Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Building Services for Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Cvil Red. Drawing for Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       Cvil Red. Drawing for Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       PID for DOU System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         37       PID for DOU System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         38       Project ID : DWP.DPr6_210930         39       Date         39       Revision         39       Checked Approv
DDA-1380 DDA-1390 DDA-1400 Package 16 - Deoc DDA-1410 DDA-1420	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         dorization Unit System         PID for DOU System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)         Remaining Level of Effort         DWP Rev.5         Actual Work         Remaining Work	78 78 78 78 78 78 78 78 78 <b>C/2</b>	01-Jan-22 01-Jan-22 01-Jan-22 28-Feb-22 28-Feb-22* 28-Feb-22* 28-Feb-22	19-Mar22 19-Mar22 19-Mar22 16-May22 16-May22 16-May22	05-Jul-22 05-Jul-22 05-Jul-22 23-Aug-27 23-Aug-27 23-Aug-27	20.5ep-22 20.5ep-22 20.5ep-22 08.Nov-27 08.Nov-27 08.Nov-27	185 185 2002 2002 2002	35       Electrical & Control for:Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Building: Services for Biogas H2\$ Removal System : Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         35       Cvil Red. Drawing for Biogas H2\$ Removal System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       PID for DOU System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         36       PID for DOU System - Prepare(28d), Sub& Review(28d), Comment&Resub(14d)&Approval (7d)         37       Project ID :         38       Detailed Works Programme         39       Date       Revision         39       Child Resub(14d) Resub(14d)         39       Revision       Child Resub(14d)         39       Revision       Child Resub(14d)         30       Revision       Child Resub(14d)         31       Revision       Child Resub(14d)         32       Revision       Child Resub(14d)         32       Revision       Child Resub(14d)         33       Revision       Child Resub(14d)         34       Revision       Child Resub(14d)         35       Revision       Child Resub(14d)         36       Revision       Child Resub(14d)         3

)	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float 23	2023 2024 2025 2025 2026 2027 3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
DDA-1430	Mechanical for DOU No. 2A and 2B - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	28-Feb-22	16-May-22	23-Aug-27	08-Nov-27	1 2002	1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2
DDA-1430	Mechanical for DOU No. 3 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	28-Feb-22	16-May-22	23-Aug-27 23-Aug-27	08-Nov-27	2002	Mechanical for DOU No. 3 + Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)
	dge Dewatering Building (SDB)	688	07-Jun-21 A	25-Apr-23	18-Aug-23	10-Feb-25	657	
DDA-890	Architectural for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	07-Jun-21 A	10-Oct-21	18-Aug-23	28-Aug-23	687	📫 Architectural for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)
DDA-900	Found. for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO (28d)& Approval (7d)	154	10-Nov-21	12-Apr-22	29-Aug-23	29-Jan-24	657	Found. for Sludge Dewatering Building (SDB) : Prep(60d), Sub & Review(45d), Comment& Result (14d), GEO (28d)& Approval (7d)
DDA-950	BS for Sludge Dewatering Building (SDB) - Prep(118d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	184	31-Mar-22	30-Sep-22	11-Aug-24	10-Feb-25	864	B\$ fér Sludge Dewatering Building (SDB) - Prep (118d), Sub & Réview(45d), Comment& Resub (14d) & Approval (70)
DDA-910	Civil & Struct. for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (21d) & Approval(7d)	126	13-Apr-22	16-Aug-22	30-Jan-24	03-Jun-24	657	Civil și Strucți for Sludge Develering Boilding (SDB) - Pred(60d). Sub & Review(45p), Commentℜșub (21d) & Apgrova(7p)
DDA-920	General Arrangement & Civil Req. Drawings for SDB - Prep(60d), Sub & Review(45d), Comment& Resub (14d) & Approval(7d)	126	17-Aug-22	20-Dec-22	04-Jun-24	07-Oct-24	657	General Alrangement & Divil Reg. Drawings for \$DB - Prep(604), Sub.&Review(4\$d), Comment&Resub (14d) & Approval(7d)
DDA-930	Mechanical for Sludge Dewatering Building (SDB) - Prep(60d), Sub & Review(45d), Comment& Resub (14d) & Approval (7d)	126 126	21-Dec-22	25-Apr-23	08-Oct-24	10-Feb-25 10-Feb-25	657 657	Mechanical for Sludge Dewatering Building (SDB)- Prep(60d); Sub & Review(45d), Comment& Resub (14d);& Approval (7d)
DDA-940 Package 18 - Misc	Electrical & Control for Sludge Dewatering Bldg (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)	126	21-Dec-22 13-Jul-24	25-Apr-23 15-Nov-24	08-Oct-24 03-Mar-25	06-Jul-25	233	Electrical & Control for Sludge Dewatering Bldg (SDB) - Prep(60d), Sub & Review(45d), Comment& Resub(14d) & Approval (7d)
DDA-540	Civil & Structural for Misc, Manholes, DrawPits, FenceWall - Prep/60d), Sub. & Review(45d), Comment& Resub(14d) & Approval(7d)	126	13-Jul-24*	15-Nov-24	03-Mar-25	06-Jul-25	233	Civil & Structural for Misc. Mathibles.DrawPits.FendeWallPrep/60d).Sub.&Review/45
Package 19 - Elev		154	04-Jan-22	06-Jun-22	06-Oct-24	08-Mar-25	1006	Con a Subcura to Miss, maintues 2 and the subcura to Miss, maintues 2 and the subcura to Miss and the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcuration of the subcur
DDA-710	Civil & Structural for Elevated Walkways - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d), GEO(28d)	154	04-Jan-22	06-Jun-22	06-Oct-24	08-Mar-25	1006	Civil & Structural for Elevated Walkways;- Prep/60d), Sub & Revie w(45d), Comment& Resub (14d), & Approval(7d), GEO(28d)
Package 20 - Trell		126	31-Aug-21 A	03-Jan-22	02-Jul-24	05-Oct-24	1006	
DDA-720	Civil & Structural for Trellis - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	31-Aug-21 A	03-Jan-22	02-Jul-24	05-Oct-24	1006	Civil & Structural for Trefisi- Prep(60d), Sub. & Review(45d), Camment& Resub (14d). & Approval(7d)
Package 21 - Stee	el Working Platform	126	04-Jan-22	09-May-22	06-Oct-24	08-Feb-25	1006	
DDA-730	Civil & Structural for Steel Working Platform - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	04-Jan-22	09-May-22	06-Oct-24	08-Feb-25	1006	Ovil & Sthuctural for Steel Working Platform - Prep(60d), Sub & Review(45d); Commente Resub (14d) & Approval(7d)
Administration B		784	19-Mar-23	10-May-25	26-Sep-23	06-Jan-26	241	
DDA-0960	Architectural for Administration Building (ADB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	19-Mar-23	22-Jul-23	26-Sep-23	29-Jan-24	191	Architectutal for Administration Building (ADB);- Prep(60d); Sub.8 Peview(45d). Comment& Resub (14d);& Approval (7d);
DDA-0970	Found. for Administration Building (ADB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO (28d) & Approval (7d)	154	23-Jul-23	23-Dec-23	30-Jan-24	01-Jul-24	191	Found. for Administration Building; (ADB) - Prep(60d), Sub,&Peview(45d), Comment&Resub (14d), GEO (28d) &
DDA-0980 DDA-0990	Civil & Structural for Administration Building (ADB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126 126	24-Dec-23 28-Apr-24	27-Apr-24 31-Aug-24	26-Jul-24 25-Dec-24	28-Nov-24 29-Apr-25	215 241	Crivit & Structural for Administration Building: (ADB) - Prep (60t), Sub; & Review(45d), Comment&Resub (
DDA-0990	General Arrangement & Civil Req. Drawings for ADB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d) Mechanical for Administration Building (ADB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	01-Sep-24	04-Jan-25	03-Sep-25	29-Api-25 06-Jan-26	367	General Arrangement & Civil Reg, Drawings for ADB - Prep(60d); Sub & Review(45d), Comm Mechanical for Administration Building (ADB); - Prep(60d); Sub & Review(45d), Com
DDA-1000	Electrical & Control for Administration Building (ADB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	01-Sep-24 01-Sep-24	04-Jan-25	30-Apr-25	02-Sep-25	241	Electrical & Control for Administration Building (ADB) - Prep(60d), Sub & Review(450, Control for Administration Building (ADB) - Prep(60d), Sub & Review(45
DDA-1020	BS for Administration Building (ADB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	05-Jan-25	10-May-25	03-Sep-25	06-Jan-26	241	BS for Administration Building (ADB) - Prep(60d), Sub & Review(45d), Co
Building Services		372	31-Aug-21 A	06-Oct-22	21-Feb-22	03-Mar-23	148	
DDA-590	BS for Inlet Works (IW) - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	31-Aug-21 A	03-Jan-22	28-Nov-22	03-Mar-23	424	B\$ for inlet;Works (IW) - Prepare (60d), Sub. & Review (45d) ;Continent & Resub. (14d) & Approval (7d)
DDA-600	BS for Sludge Thickening Building (STB) - Prepare (60d), Sub. & Review (45d) , Comment & Resub. (14d) & Approval (7d)	126	31-Aug-21 A	03-Jan-22	21-Jul-22	24-Oct-22	294	BS for Sludge Thickening Building (STB) - Prepare (60d), Sub. & Review.(45d) .Comment & Resub. (14d) & Approval (7d)
DDA-620	BS for Biogas Holder (BH) - Prepare (60d), Sub. & Review (45d) , Comment & Resub. (14d) & Approval (7d)	126	31-Aug-21 A	03-Jan-22	21-May-22	24-Aug-22	233	BS for Biogas Holder (BH) - Preparé (60d), Sub. & Review (45d) , Comment & Resub. (14d) & Approval (7d)
DDA-610	BS for Primary Sedimentation Tanks (PST) - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	30-Sep-21	02-Feb-22	21-Feb-22	26-Jun-22	144	B\$ for Primary Sedimentation Tanks (P\$D) - Prepare (¢00), Sub. & Review (450), Comment & Resub. (140). & Approval (70)
DDA-630	BS for Sludge Dewatering Building (SDB) - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	03-Apr-22	06-Aug-22	25-Aug-22	28-Dec-22	144	BS for Sludge Dewatering Building (SDB) + Prepare (60d), Sub :8. Review (45d) ;Comment & Result (14d) & Approval (7d)
DDA-640	BS for Utility Corridor&Pipe Portal (UC/PP) - Prepare (60d), Sub. & Review.(45d) , Comment & Resub.(14d) & Approval (7d)	126 564	03-Jun-22 30-May-21 A	06-Oct-22 14-Dec-22	25-Oct-22 27-Jan-22	27-Feb-23	144 890	B\$ for Utility Conidor&Pipe Portal (UC/PP)- Préparé (60d), Subi, & Review (45d), Comment & Resub (14d) & Approval (7d))
Technical Submission Inlet Works (IW)		192	30-May-21 A 30-May-21 A	07-Nov-21	08-Jun-22	22-May-25 21-Jul-22	256	<b>1 1 1 1 1 1 1 1 1 1</b>
TS-910	General Arrangement Drawing - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	30-May-21 A	02-Oct-21	08-Jun-22	10-Jun-22	251	General Arrangement Drawing - Sub-&Review(45d), Comment&resub(14d) & Approval (7d)
TS-920	Civil Requirement Drawings (Superstructure) - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	30-May-21 A	02-Oct-21	08-Jun-22	10-Jun-22	251	Civil Requirement Drawings (Superstructure) + Sub.&Review(45d), Comment&resub(14d) & Approval (7d)
TS-890	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	07-Nov-21	16-Jun-22	21-Jul-22	-	PID- Sub-&Review(45d), Comment&resub(14d) & Approval (7d)
TS-900	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	07-Nov-21	11-Jun-22	16-Jul-22		Equipment Loading Summary - Sub & Review(45d), Comment&resub(14d) & Approval (7d)
Primary Sediment	ntation Tank (PST)	107	03-Sep-21 A	17-Jan-22	11-Jun-22	25-Sep-22	251	
TS-940	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	07-Nov-21	16-Jun-22	21-Jul-22	256	PID: Sub.&Review(45d), Comment&resub(1/4d) & Approval (7d)
TS-930	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	03-Sep-21 A	07-Nov-21	11-Jun-22	16-Jul-22	251	🚔 : Equipment Loading Summary - Sub & Review(45d), Comment&resub(14d) & Approval (7d)
TS-950	General Arrangement Drawing - Sub.& Review(45d), Comment& resub(14d) & Approval (7d)	66	13-Nov-21	17-Jan-22	22-Jul-22	25-Sep-22	251	General Arrangement Drawing -Subj&Review(45d), Comment&resub(14d),& Approval (7/d)
TS-960	Civil Requirement Drawings (Superstructure) - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	13-Nov-21	17-Jan-22	22-Jul-22	25-Sep-22	251	Civil Requilement:Drawings (Superstructure) - Sub & Review (45d) Comment& resub (14d) & Approval (7d)
	ng Building (STB)	556	01-Jun-21 A	08-Dec-22	15-Apr-22	03-Jun-24	543	
TS-820	Architectural for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	01-Jun-21 A	04-Oct-21	23-Aug-22	27-Aug-22	327	Architectural for Sludge; Thickening:Building (STB) - Prep(60d), Sub & Review(45d), Comment&Resub (14d) & Approval(7d)
TS-830	Found. for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d), GEO(28d) & Approval(7d)	154	01-Jun-21 A	01-Nov-21	15-Apr-22	17-May-22	197	Found, for Sludge Thickening Building (STB) - Prép(60d), Sub & Review(45d), Comment& Resub (14d), GEO(28d) & Approval(7d)
TS-840 TS-850	Civil & Structural for Sludge Thickening Bldg (STB) - Prep(27d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d) General Arrangement & Civil Reg. Drawings for STB - Prep(27d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	93	29-Dec-21 29-Dec-21	31-Mar-22 31-Mar-22	21-Nov-22 25-Jun-23	21-Feb-23 25-Sep-23	327 543	Civil & Structural for Sludge Thickening Bldg (STB) - Prep(27d), Sub &Review(45d); Comment&Resub (14d) & Approval(7d)
TS-970	PID - Prep(27d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	93	29-Dec-21	31-Mar-22	21-Nov-22	21-Feb-23	327	Général Arrangement & Civil:Req: Drawings for STB - Prep(27d); Sub &Réview(45d), Comment&Resub (14d) & Approval (7d)
TS-980	Equipment Loading Summary - Prep(27d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	93	29-Dec-21	31-Mar-22	10-Dec-23	11-Mar-24	711	Equipment Loading Summany - Prep(27d), Sub:&Review(45d), Comment&resub(14d),& Approval (7d)
TS-860	Mechanical for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	01-Apr-22	04-Aug-22	26-Sep-23	29-Jan-24	543	Mechanical for Sludge Thickening Building (STB)- Prep(60d), Sub &Péview(45d), Comment&Resub (14d) & Approval (7d)
TS-880	BS for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	01-Apr-22	04-Aug-22	30-Jan-24	03-Jun-24	669	B\$ for Sludge: Thickening Building (STB) - Prep(60d), Sub & Review(45d); Comment& Resub (14d) & Approval (7d)
TS-870	Electrical & Control for Sludge Thickening Bldg (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	05-Aug-22	08-Dec-22	30-Jan-24	03-Jun-24	543	Electrical & Control for Sludge Thickening Bldg (STB) - Prep(60t), Sub & Review(45d), Comment& Resub (14d) & Approval(7d)
H2S Removal Sys	stem (H2S)	228	01-May-22	14-Dec-22	07-Oct-24	22-May-25	890	
TS-1000	Civil Requirement Drawings H2S (Superstructure) - Prep(25d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	91	01-May-22	30-Jul-22	07-Oct-24	05-Jan-25	890	Divil Reguirement Drawings H2S (Superstructure) - Prep(25d), Sub & Review(45d), Comment&resub(14d) & Approval (7d)
TS-1020	PID H2S - Prep(25d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	91	01-May-22	30-Jul-22	07-Oct-24	05-Jan-25	890	PID H2B i Prep(25d), Subi & Review(45d), Comment&resub(14d), & Approval(7/d)
TS-1010	Equipment Loading Summary H2S - Prep(25d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	91	01-May-22	30-Jul-22	07-Oct-24	05-Jan-25	890	Equipment Loading Summary H2S - Prep(25d), Sub & Review(45d), Comment&resub(14d) & Approval (7d)
TS-990	General Arrangement Drawing H2S - Prep(26d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	92	14-Sep-22	14-Dec-22	20-Feb-25	22-May-25	890	General/Arrangement Drawing H2S - Prep(26d), Sub & Review(45d), Comment&resub(14d) & Approval (7d)
Sludge Digesters		247	25-Sep-21 A	03-Jun-22	13-Dec-22	25-Sep-24	845	
TS-740	Found, for Sludge Digesters (SD) - Prep(60d), Sub & Review(45d), Comment & Resub (14d), GEO (28d) & Approval (7d)	126	25-Sep-21 A	28-Jan-22	13-Dec-22	12-Apr-23	439	Found, for Sludge Digesters (SD) - Prepl60d), Sub & Review (45d), Comment & Resub (14d), GEO (28d) & Approval (7d)
TS-750 TS-760	Civil & Structural for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d) General Arrangement & Civil Req. Drawings for SD - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126 126	25-Sep-21 A 25-Sep-21 A	28-Jan-22 28-Jan-22	07-Oct-23 23-Jan-24	04-Feb-24 22-May-24	737 845	Civil & Structural for Sludge Digesters (SD): Prep(60d), Sub &Review(45d), Comment&Resub (14d) & Approval(7d)
TS-1030	PID - Prep(60d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	25-Sep-21 A	28-Jan-22	23-Jan-24 28-May-24	22-May-24 25-Sep-24	971	Genéral Arrangement & Oivil Réq, Drawings for SD - Prep(60d), Sub & Review 45d), Comment& Resub (14d) & Approval (7d) PID - Prep(60d), Sub & Review (45d), Comment& resub(14d) & Approval (7d)
TS-1040	Equipment Loading Summary - Prep(60d), Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	126	25-Sep-21 A	28-Jan-22	28-May-24	25-Sep-24	971	Equipment Loading Summany - Prep(60d), Sub:&Review(45d), Commentatescub(14d),& Approval (7d)
TS-770	Mechanical for Sludge Digesters (SD) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	29-Jan-22	03-Jun-22	23-May-24	25-Sep-24	845	Mechanical/for Sludge Digesters (SD): Prep(60d), Sub.&Review(45d), Commentalssud(140), & Approval(7d)
Biogas Holders (E		304	12-Jun-21 A	27-Mar-22	27-Jan-22	20-Sep-22	177	
TS-780	Foundation for Biogas Holders (BH) - Prep(53d), Sub.&Review(45d), Comment&Resub (14d), GEO (28d) & Approval(7d)	147	12-Jun-21 A	05-Nov-21	27-Jan-22	04-Mar-22	119	Foundation for Biogas Holders (BH) - Prep(53d), Sub & Review(45d); Comment& Resub (14d), GEO (28d) & Approva((7d)
TS-790	Civil & Structural for Biogas Holders (BH) - Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	66	12-Jun-21 A	30-Sep-21	26-Mar-22	26-Mar-22	177	– Divil & Structural/for Biogas Holders:((BH) - Sub. &Review(45b), Comment&Resub (14d) & Approval(7b)
TS-1050	PID - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	31-Aug-21 A	04-Nov-21	12-Apr-22	17-May-22	194	PID : Sub & Review(45d), Comment&resub(14d) & Approval (7d)
TS-1060	Equipment Loading Summary - Sub.&Review(45d), Comment&resub(14d) & Approval (7d)	66	31-Aug-21 A	04-Nov-21	12-Apr-22	17-May-22	194	🗧 🚽 jEģulpment Logaling Sulminajy - Sub & Review(45q), Comment&resub(14d) & Approval (7d)
TS-800	General Arrangement & Civil Req.Drawings for BH - Prep(127d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	193	16-Sep-21 A	27-Mar-22	27-Mar-22	20-Sep-22	177	General Arrangement & Civil Req Drawings for BH- Prep (127d), Sub & Review (#5d), Comment& Resub: (14d) & Approval (7d)
TS-810	Mechanical for Biogas Holders (BH) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	05-Nov-21	10-Mar-22	18-May-22	20-Sep-22	194	Mechanical for Biogas Holders (BH) - Prep(60d), Sub & Review(45d), Comment& Résub (14d) & Approval (7d)
SCADA		210	30-Nov-21	27-Jun-22	12-May-23	07-Dec-23	528	
	Layout and Wiring Diagram for VIEDB DLC Panal Bmp(144d) Sub & Paviau(4Ed) Commont & Pagub (14d) & Approval (7d)	210	30-Nov-21	27-Jun-22	12-May-23	07-Dec-23	528	Layout and Wining Diagram for YLEPP PLC Panel - Prep (144d), Sub & Belview (45d), Comment & Flesub (14d) & Approval (7d)
TS-1070	Layout and Wiring Diagram for YLEPP PLC Panel - Prep(144d), Sub & Review (45d), Comment & Resub (14d) & Approval (7d)							Project ID Detailed Works Programme
TS-1070			1111	<u> </u>				Project ID:
	Remaining Level of Effort Contract	)C/20	019/10	) - YLE	EPP - N	Main V	Vorks	
TS-1070		_			_			stor Stage 1 DWP.DPr6_210930 Date Revision Checked App
TS-1070	Remaining Level of Effort Contract	_			_			Stor Stage 1     DWP.DPr6_210930     Date     Revision     Checked     Application       Layout : DC201910 DWP rev.6     30-Sep-21     Rev. 6     Image: Checked     Application
TS-1070	Remaining Level of Effort DWP Rev.5 Actual Work	_			_	Main V ogramr		stor Stage 1 DWP.DPr6_210930 Date Revision Checked App
TS-1070	Remaining Level of Effort     Contract I       DWP Rev.5     Actual Work       ●鐵聯營體     Remaining Work	_			_			Stor Stage 1     DWP.DPr6_210930     Date     Revision     Checked     Application       Layout : DC201910 DWP rev.6     30-Sep-21     Rev. 6     Image: Checked     Application

pproval(7d)         210         30-Nov-21         27-Jun- 27-Jun- 210           proval(7d)         210         30-Nov-21         27-Jun- 27-Jun- 210         30-Nov-21         27-Jun- 27-Jun- 210           210         30-Nov-21         27-Jun- 27-Jun- 210         30-Nov-21         27-Jun- 27-Jun- 210           210         30-Nov-21         27-Jun- 27-Jun- 20         31-Aug-21 A         23-Jan- 20           216         20-Sep-21 A         23-Jan- 23-Jan- 20-Sep-21 A         23-Jan- 23-Jan-           200         09-Nov-20 A         04-Oct-	Y-Jun-22         12-May-23         07           Y-Jun-22         12-May-23         07           Y-Jun-22         13-Oct-23         09           Y-Jun-22         13-Oct-23         09           Y-Jun-22         13-Oct-23         09           Y-Jun-22         13-Oct-23         09           Y-Jun-22         13-Oct-23         09	07-Dec-23         528           07-Dec-23         528           07-Dec-23         528           09-May-24         682           09-May-24         682	1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	nments&Resub(14d),Approval(7d) ments&Resub(14d),Approval(7d)
210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         31-Aug-21 A         23-Jan-           20         31-Aug-21 A         30-Sep-           126         20-Sep-21 A         23-Jan-           126         20-Sep-21 A         23-Jan-	'Jun-22         12-May-23         07           'Jun-22         13-Oct-23         09	07-Dec-23 528 09-May-24 682 09-May-24 682	System Architecture for YLEPP SCADA System - Prep(144d), Sub.&Review(45d); Comment&Resul	
210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         31-Aug-21 A         23-Jan-           20         31-Aug-21 A         30-Sep-           126         20-Sep-21 A         23-Jan-           126         20-Sep-21 A         23-Jan-	'Jun-22         13-Oct-23         09           'Jun-22         13-Oct-23         09           'Jun-22         13-Oct-23         09           'Jun-22         13-Oct-23         09           'Jun-22         13-Oct-23         09           'Jun-22         13-Oct-23         09	09-May-24 682 09-May-24 682		o:(114d)&Apprioval.(7d)
210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           127         31-Aug-21 A         23-Jan-           20         31-Aug-21 A         30-Sep-           126         20-Sep-21 A         23-Jan-           126         20-Sep-21 A         23-Jan-	7-Jun-22         13-Oct-23         09           7-Jun-22         13-Oct-23         09           7-Jun-22         13-Oct-23         09	09-May-24 682		
210         30-Nov-21         27-Jun-           210         30-Nov-21         27-Jun-           127         31-Aug-21 A         23-Jan-           20         31-Aug-21 A         30-Sep-           126         20-Sep-21 A         23-Jan-           126         20-Sep-21 A         23-Jan-	7-Jun-22 13-Oct-23 09 7-Jun-22 13-Oct-23 09	,		
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127         31-Aug-21 A         23-Jan-           20         31-Aug-21 A         30-Sep-           126         20-Sep-21 A         23-Jan-           126         20-Sep-21 A         23-Jan-		09-May-24 682	Civil Requirement Drawings (Superstructure) - Prep(144d), Sub & Review(45d), Comment&resub(14	
20         31-Aug-21 A         30-Sep-           126         20-Sep-21 A         23-Jan-           126         20-Sep-21 A         23-Jan-		09-May-24 682	Equipment Loading Summary - Prep(144d), Sub.&Review(45d), Comment&resub(14d) & Approval	.(7d)
126         20-Sep-21 A         23-Jan-           126         20-Sep-21 A         23-Jan-           126         20-Sep-21 A         23-Jan-		20-Sep-22 240		
126 20-Sep-21 A 23-Jan-	, ,	28-May-22 240	Hazardous Area Classification and Fire Risk Assessment Specialist - Submission & Approval	
	,	20-Sep-22 240 20-Sep-22 240	Hazardóus Area Classifidation Assessment - Prep(60), Sub & Review(45d), Comment&resub(14d) & Approval (7	
	,		Fire Risk Assessment - Prep(60), Sub & Review(45d), Comment&resub(14d) & Approval (7d)	
		11-Mar-24 889		
270 09-Nov-20 A 04-Oct-		19-Dec-23 806	Submit/Procute/Manufacture/Deliver TTS & Auxillary Facility Equip.	
270 09-Nov-20 A 04-Oct-		27-Oct-23 753	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip.	· · · · · · · · · · · · · · · · · · ·
	,	12-Dec-22	nit/P <mark>r</mark> ocute/Manufacture/Deliver New Inlet Works Equip.	
· · · · · · · · · · · · · · · · · · ·	, ,	26-Sep-22	nit/Procure/Manufacture/Deliver New Primary Sedimentation Tark Equip.	· · · · · · · · · · · · · · · · · · ·
300 09-Nov-20 A 04-Oct-		11-Mar-24 889	Submit/Procure/Manufacture/Deliver Thickening System/Digestion/sludge holding Tanks	
44 09-Nov-20 A 22-Dec-2		02-Oct-21	/Ma <mark>n</mark> ufacture/Delivet Diversion Works	
1432 09-Nov-20 A 05-Jun-	· · · · · · · · · · · · · · · · · · ·	08-Nov-27 759		
12 21-Dec-20 A 06-Jan-2	Jan-21 A 04-Oct-21 04	04-Oct-21	it Supplementary Contamination Assessment Plan (CAP)	
30 21-Dec-20 A 19-Jan-2		13-Nov-21	Asbestos Specialist	
30 07-Jan-21 A 05-Feb-2		04-Oct-21	upp <mark>erhentary</mark> CAP	
30 20-Jan-21 A 18-Feb-2	Feb-21 A 13-Nov-21 13	13-Nov-21	rove Methos Statement for Asbestos Treatment and Removal	
147 09-Nov-20 A 14-May-2	May-21 A 30-Sep-21 13	13-Nov-21		
60 09-Nov-20 A 20-Jan-2	Jan-21 A 30-Sep-21 30	30-Sep-21	tiạl Survey and Record, Underground Utilities Detection	
13 06-Feb-21 A 27-Feb-2	Feb-21 A 04-Oct-21 04	04-Oct-21	Land Contamination Site Investigation:	
48 08-Feb-21 A 15-Apr-2	Apr-21 A 30-Sep-21 30	30-Sep-21	1 - Installation of Water Barriers, Clearance, Hoal Road, and Temp Facilities	
18 19-Feb-21 A 11-Mar-2	Mar-21 A 13-Nov-21 13	13-Nov-21	- Aspestos:Survey	
18 01-Mar-21 A 20-Mar-2	Mar-21 A 04-Oct-21 04	04-Oct-21	-Submit/Approve CAR and RAP	
48 12-Mar-21 A 12-May-2	May-21 A 13-Nov-21 13	13-Nov-21	on 1 - Asbestos Removal	
24 22-Mar-21 A 22-Apr-2	Apr-21 A 04-Oct-21 04	04-Oct-21	n 1 Carty but RAP	
· · · · ·	·	04-Oct-21	on 1 - Submit Remediation Report	
92 08-Jun-21 A 02-Oct-	•	08-Nov-27 1808		$\begin{array}{cccccccccccccccccccccccccccccccccccc$
12 08-Jun-21 A 22-Jun-2		13-Nov-21	ortion 2 - Initial Survey and Record, Underground Utilities Detection	
12 08-Jun-21 A 22-Jun-2		13-Nov-21		
18 14-Jul-21 A 02-Oct-		13-Nov-21 35		
		08-Nov-27	Portion 2: Carry out RAP	
7 27-Aug-21 A 27-Aug-2	•	08-Nov-27	u submit Remediation Report	
	•	13-May-24 7		* * * * * * * * * * * * * * * * * * * *
		01-Mar-24 7	E Portion 3 + Initial Survey and Record, Underground	
17 02-Feb-24 28-Feb-		07-Mar-24 7	Portion/3 - Installation of Water Barriers, Glearance	Haul Poad, and Tamp Eacilities
10 29-Feb-24 11-Mar-		19-Mar-24 7	Portion 3 - Land Contamination Site Investigation	, raurroau, and remp racinties
		20-Apr-24 7	Portion 3 - Carry out RAP	
18 13-Apr-24 04-May-	· · · · · · · · · · · · · · · · · · ·	13-May-24 7	Portion 3 - Submit Remediation Report	
	, ,	20-Jun-26 307		
		20-Jun-26 349		nyey and Record, Underground Utilities Detection
·	·	20-Jun-26 349		ion of Water Barriers, Clearance, Haul Road and Te
	·	29-Apr-26 307	♥ .PONON 4ITIStaliau	intamination Site Investigation
	· · ·	29-May-26 307		
		29-May-26 307 20-Jun-26 307	Portion 4 -;Carry	aut RAP nit Remediation Report
	•	19-Aug-25 633		nit Hemeolation Heport
			Portión 5 - Initial Survey and Record, Underground Utilities Detectión	
		0	Portuón 5 - Initial Survey and Record, Underground Utilities Detection	
		19-Aug-25 633	Portion,5 - Installation of Water Barriers, Clearance, Haul Road , and T	amp racilițies
60 01-Sep-21 A 10-Dec-		08-Nov-27 1750	Construct temporary transformer structure	
20 01-Sep-21 A 30-Sep-		31-Aug-27 1750	Construct temporary transformer structure	. • • • • • • • • • • • • • • • • • • •
24 25-Sep-21 A 25-Oct-		22-Sep-27 1750	ABWF & E&M/works	
11 26-Oct-21 06-Nov-		05-Oct-27 1750	CLP Inspection	
0 06-Nov-		05-Oct-27 1750	Energization of temporary transfomer	
		08-Nov-27 1750	LV świtchboard metering (Finish On or Before 15-Deci21)	
318 18-Feb-21 A 18-Mar-		08-Nov-27 1675		
231 18-Feb-21 A 26-Nov-	-Nov-21 04-Jun-27 08	08-Nov-27 1762		
45 18-Feb-21 A 15-Apr-2	· · · · · · · · · · · · · · · · · · ·	04-Jun-27	and Procure ment of MiC	
18 16-Apr-21 A 07-May-2	May-21 A 04-Jun-27 04	04-Jun-27	nisson and approved MS &PMAC	
48 31-Aug-21 A 26-Nov-		08-Nov-27 1762		
6 31-Aug-21 A 06-Sep-2	Sep-21 A 14-Sep-27 14	14-Sep-27	Construction of Pad Footing	
17 07-Sep-21 A 27-Sep-2	· ·	14-Sep-27	📙 Construction of Sewage pipeworks and Septic Tank	
16 09-Sep-21 A 18-Oct-	3-Oct-21 14-Sep-27 29	29-Sep-27 1762	Construction of G/F Structure Works	
18 19-Oct-21 08-Nov-	-Nov-21 30-Sep-27 20	20-Oct-27 1762	Construction of 1/F Structure Works	
16 09-Nov-21 26-Nov-	-Nov-21 21-Oct-27 08	08-Nov-27 1762	Installation of Green Ropf	
12 09-Nov-21 22-Nov-		08-Nov-27 1766	Unstallation of E&M and ABWF Works	
12 09-Nov-21 22-Nov-		08-Nov-27 1766	Installation of Energy Efficient Features	
13 09-Nov-21 23-Nov-		08-Nov-27 1765	■ Construction of Covered Car Park	
10 12-Nov-21 23-Nov-		08-Nov-27 1765	III Construction of Rain and Sulface Water Drainage Works	****
		08-Nov-27 1675		
135 30-Sep-21 18-Mar-	-Mar-22 04-Jun-27 08	<b>4-80</b>	lov-27 1675	lov-27 1675



Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme Project ID : DWP.DPr6\_210930 Layout : DC201910 DWP rev Page 7 of 27

	I	Detailed Works Pr	ogramme	
	Date	Revision	Checked	Approved
ev.6	30-Sep-21	Rev. 6		
	31-Aug-21	Rev. 5		
	31-Jul-21	Rev. 4		

D	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	2023 2024 2025 2025 2026 2027 23 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 [1] 1] 1] 1] 1] 1] 1] 1] 1] 1] 1] 1] 1] 1
PMCA-240	Caving System Construction			30-Dec-21	04-Jun-27	30-Aug-27	1675	1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2
MCA-250	Caving System Installation	60		18-Mar-22 06-May-21 A	31-Aug-27	08-Nov-27 09-Nov-27	1675	Caving System/Installation
	itigation Measures for KD1 & 2	129		08-Apr-21 A	09-Nov-27	09-Nov-27		
bise Barrier B Northern Side				06-Feb-21 A		09-Nov-27		
NBN-00	NB North - Concrete Block Laying (474 nos.)			21-Nov-20 A	09-Nov-27	09-Nov-27		te Block/Laying (474 nos.)
NBN-10	NB North - Steel Member Installation (1,150m)			29-Dec-20 A	09-Nov-27	09-Nov-27		el Wember Installation (1,150m)
NBN-20	NB North - Rails Installation (Horizontal and Vertical)	30	23-Nov-20 A	29-Dec-20 A	09-Nov-27	09-Nov-27	s	s Installation (Horizontal and Vertical);
NBN-30	NB North - Noise Panel Installation (7077 nos.)	33		06-Feb-21 A	09-Nov-27	09-Nov-27		loise Panel Installation (7077 hos.)
NB Eastern Side	ND Fact Occurrents Direct Lawing (004 mag.)	75				09-Nov-27		
NBE-00 NBE-10	NB East - Concrete Block Laying (681 nos.) NB East - Steel Member Installation (1.650m)	12		13-Jan-21 A 24-Feb-21 A	09-Nov-27 09-Nov-27	09-Nov-27 09-Nov-27	î	ictele Blóck Laving (681 hos.) Steel Member Installation (1,650m)
NBE-20	NB East - Rails Installation (Horizontal and Vertical)	30		24-Feb-21 A	09-Nov-27	09-Nov-27	F	Rails Installation (Horizontal'and Venicat)
NBE-30	NB East - Noise Panel Installation (1,057 nos.)			08-Apr-21 A	09-Nov-27	09-Nov-27	5	t - Noise Panel Installation (1.057 nos.)
B Western Side		42	08-Feb-21 A	08-Apr-21 A	09-Nov-27	09-Nov-27		
NBW-00B	NB West - Concrete Block Laying (225 nos.)				09-Nov-27	09-Nov-27		Concrete Block Laving (225 nos.)
NBW-10 NBW-20	NB West - Steel Member Installation (127m)			23-Mar-21 A 23-Mar-21 A	09-Nov-27 09-Nov-27	09-Nov-27 09-Nov-27		-Seel Member Installation (127m)
NBW-30	NB West - Rails Installation (Horizontal and Vertical) NB North - Noise Panel Installation (385 nos.)			23-IVIAI-21 A 08-Apr-21 A	09-Nov-27 09-Nov-27	09-Nov-27 09-Nov-27		Rails Installation (Hohzbhtal and Wertical) th: - Noise Panel Installation; (385 nps;)
ird Curtain		75		06-May-21 A		09-Nov-27	L	th Noise Panel Installation (385 nps;)
3C-10	BC - Concrete Block Laying	24				09-Nov-27		ete Block Laying
3C-20	BC - Installation of Post	32				09-Nov-27	r	nstallation of Post
C-30	BC - Installation of Bird Curtain			,	09-Nov-27	09-Nov-27		Installation of Bird Curtain
neral Advance	Works	720	18-Feb-21 A	03-Aug-23	30-Sep-22	14-Mar-24	181	
WSPS Sensors		177	01-Jun-21 A	31-Dec-21	07-Dec-23	14-Mar-24	642	
ALGA-1130	CMS - NSWSPS Sensor			02-Aug-21 A	07-Dec-23	07-Dec-23		C <mark>IVIS - NS</mark> WSPS Sensar
ALGA-1160	CGS - Method Statement for Installation		0	31-Dec-21	07-Dec-23	14-Mar-24	642	CGS:- Method Statement for Installation
ALGA-1170 ALGA-1260	Procurement & Delivery of Sensor		0	31-Dec-21 28-Dec-21	07-Dec-23 08-Feb-24	14-Mar-24 11-Mar-24	642 642	Procurement & Delivery of Sensor
Blower House	Installation of pressure sensors at NSWSPS	22 345		28-Dec-21 03-Aug-23	08-Feb-24 04-Jan-23	11-Mar-24	178	
ALGA-1280	CMS - Air Blower System	127		02-Nov-22	04-Jan-23	14-Jun-23	178	DMS - Air Blower System
ALGA-1290	CGS - Method Statement for Installation	49		31-Dec-22	06-Sep-23	04-Nov-23	247	CMS - Air Blower System CMS - Air Blower System COS - Method Statement for Installation
TALGA-1300	Procurement & Delivery of Materials	121		03-Apr-23	15-Jun-23	08-Nov-23	178	Produrement & Delivery of Materials
ALGA-1020	Civil Structural modification of air blower house	90	13-Jan-23*	11-May-23	17-Nov-23	11-Mar-24	247	Civil Structural modification of air blower house
TALGA-1310	E&M installation	97	03-Apr-23	03-Aug-23	09-Nov-23	11-Mar-24	178	E&M installation
sc Filter (DF) Pilot		357	15-Jul-21 A	16-Nov-22	30-Sep-22	11-Mar-24	383	
TALGA-1080	CGS - Method Statement for Relocation	63		0	30-Sep-22	30-Sep-22		GGS Method Statement for Relocation
TALGA-1090	Procurement & Delivery of Materials		-	24-Dec-21	19-Jan-23	25-Apr-23	383	Procurement & Delivery of Materials
TALGA-1000 TALGA-1140	Civil Structural Construction of DF Pilot Plant from STSTW c/w of relevant underground pipeworks E&M installation of DF Pilot Plant	211 51		19-Aug-22 21-Oct-22	23-Mar-23 07-Dec-23	07-Dec-23 07-Feb-24	383 383	Civil Structural Construction of DF Pilot Plant from STSTW c/w of relevant underground pipeworks:
TALGA-1190	T&C	22	-	16-Nov-22	07-Dec-23 08-Feb-24	11-Mar-24	383	com instanajon pi DF Piol Plant
	ion (DAF) Pilot Plant	422		11-Mar-23	30-Sep-22	11-Mar-24	293	
TALGA-1100	CGS - Method Statement for Relocation	47	31-Aug-21 A	27-Oct-21	30-Sep-22	27-Oct-22	293	CGS- Method Statement for Relocation
TALGA-1110	Procurement & Delivery of Materials	97	28-Oct-21	28-Feb-22	28-Oct-22	28-Feb-23	293	Procurement & Delivery of Materials
TALGA-1070	Civil Structural Construction of DAF Pilot Plant from STSTW	97		29-Jun-22	01-Mar-23	29-Jun-23	293	Civil Structural Construction of DAF Pilot Plant from STSTW.
TALGA-1150 TALGA-1200	E&M installation of DAF Pilot Plant T&C	51		29-Aug-22	30-Jun-23	29-Aug-23	293 293	E&M installation of DAF Pilot Plant
TALGA-1200	Post-commissioning	144	-	12-Sep-22 11-Mar-23	30-Aug-23 12-Sep-23	11-Sep-23 11-Mar-24	293	Pirtac
	udge (AGS) Pilot Plant	535		09-Dec-22	23-Dec-22	11-Mar-24	363	Post-commissionhing
TALGA-1030	AIP - AGS Pilot Plant	20	18-Feb-21 A	12-Mar-21 A	23-Dec-22	23-Dec-22		S Pilot Plant
TALGA-1040	DDA - AGS Pilot Plant	21		10-Apr-21 A	05-Jun-23	05-Jun-23	Ā	AGS Pilot Plant
ALGA-1050	CMS - AGS Pilot Plant			-		23-Dec-22		-A <mark>E</mark> S Pilot Plant
ALGA-1060	CGS - Method Statement for Installation			25-May-21 A	05-Jun-23	05-Jun-23		S - Method Statement for Installation
ALGA-1120	Procurement & Delivery of Materials			31-Aug-21 A	23-Dec-22	23-Dec-22	200	Prócurement & Delivery of Materials
ALGA-1010 ALGA-1180	Civil Structural Construction of AGS Pilot Plant E&M installation of AGS Pilot Plant	150		07-Mar-22 22-Apr-22	23-Dec-22 05-Jun-23	03-Jun-23 18-Jul-23	363 363	Civil: Structural Construction of AGS Pilot Plant
ALGA-11210	Seeding, process start-up and T&C	52		25-Jun-22	19-Jul-23	16-Sep-23	363	E&M installation of AGS:Pilot:Plant
ALGA-1270	Post-commissioning	139	· ·	09-Dec-22	18-Sep-23	11-Mar-24	363	Post-commissioning
ne 1 Constructi	ion	1878	09-Nov-20 A	08-Nov-26	30-Sep-21	09-Nov-27	313	
molition and Tem	porary Modification/Diversion Works	311	09-Nov-20 A	07-Oct-21	30-Sep-21	09-Nov-27	1905	
ST Overhaul Works		199	09-Nov-20 A	17-Jul-21 A	11-May-22	09-Nov-27		
TALPST-5130	Completion of Overhual Works (Zone 1)	0		17-Jul-21 A		09-Nov-27		Completion of Overhual Works (Zone 1)
	/ Sedimentation Tanks (PST)			14-Jul-21 A	11-May-22	11-May-22		
ATALPST-1000	Method Statement / PMAC Submission and Approval for PST Procumment of Wheels, Carbon Brush, Mater/Gearbox for PST No. 1 to No. 4			14-Jan-21 A	11-May-22	11-May-22		ment / PMAC Submission and Approval for PST
ATALPST-1030 ATALPST-1040	Procurement of Wheels, Carbon Brush, Motor/Gearbox for PST No. 1 to No. 4 Procurement of Scraper Frame Robs	60 32		01-Apr-21 A 27-Feb-21 A	11-May-22 11-May-22	11-May-22 11-May-22	r	ment of Wheels, Carbon Brush, Motor/Gearbox for PST No. 1 to No. 4
PST No. 2 & 4		84		13-May-21 A	11-May-22 11-May-22	11-May-22		ent of Scraper Frame Robs
ATALPST-1020	Isolation and Pre-test for PST 2 & 4	14		30-Jan-21 A	11-May-22	11-May-22	1	I Pre-test for PST 2 & 4
ATALPST-1070	Construction of Bamboo Scaffolding	7		08-Feb-21 A	11-May-22	11-May-22	f	h of Bamboo Scattololing
ATALPST-1090	Replacement of Screws for the Rotatory Bridge			27-Feb-21 A	11-May-22	11-May-22	e	ent of Screws/for the Rotatory/Bildge
ATALPST-1120	Replacement of Scraper Frame Robs	25		29-Mar-21 A	11-May-22	11-May-22		ment of Scraper Frame Robs
ATALPST-1160	Disassembly of Scraper Drive Unit / Penstock Actuators / Valves	3		01-Apr-21 A	11-May-22	11-May-22	r	mbly of Scraper Dive Unit / Penstock Actuators / Valves semply, Condition Checking of Scraper Drive Units
ATALPST-1170	Disassembly, Condition Checking of Scraper Drive Units	17	07-Apr-21 A	26-Apr-21 A	11-May-22	11-May-22	6	
Dentil	Remaining Level of Effort							Project ID : Detailed Works Programme
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ArX/PST1370         Field Sutione Treatment         8         10.4m.21A         11.4m/22         11.4m/22         Instance Treatment           ARX/PST1370         Field Sutione Treatment         2         11.4m/21A         11.4m/22A         11.4m/22A         I1.4m/22A         I1.4m/22A<		<b>S</b>					•	
All VLPS1+100         Power Reconnection and Testing         2         21-June 14.         22-June 14.         11-May -22         11-May -24         Pair Addition           PST Tongcoare Vlowerian         12         11-May 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.         24-June 14.	ATALPST-1370	, , , , , , , , , , , , , , , , , , ,	8				•	nal Surface Treatment
PST Tempory Disease         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14         114/92/14			2					
PSTD 0/A         Method Statement for Cutting of Existing Curtitives' Wakewy and Dentor Top Stab         22         01./un 21 A         09.4Nw27         98Nw27         Name of Statement for Cutting of Existing Curtitives' Wakewy and Dentor Top Stab           PSTD 00A         Statement for Cutting of Existing Curtitives' Wakewy and Dentor Top Stab         115         114.May 21 A         1340w21         1340w214         1340w21         1340w214				1				
PST 008Method Statement for Culting of Dettor wall2201-Jun 2128-Jun 21A09-Nov 27estip d Statement for Culting of Dettor wallPST Throom Poreation 1- Dettor to PST11511-Mayr 2113-Nov 2113-Nov 21rots is Paring Restoration of Culting of Dettor wallPST Throom Poreation 1- Dettor to PST11-Mayr 21A19-Mayr 21A13-Nov 2113-Nov 21is Paring Restoration of Culting of Dettor wallPST Throom Pore Material Pocument620-Mayr 21A13-Nov 2113-Nov 21is Pore Marcing Of Dettor wallPST Throom Pore Material Pocument5020-Mayr 21A13-Nov 2113-Nov 21is Pore Marcing Of Dettor wallPST Throom Pore Name127-Mayr 24A13-Nov 2113-Nov 21is Pore Marcing Of Dettor wallPST Throom Pore Name127-Mayr 24A27-Mayr 24A13-Nov 21Nov 44PST Throom Pore Name2112-Jun 2427-Mayr 24A13-Nov 21Nov 44PST Throom Pore Name2112-Jun 2427-Mayr 24A13-Nov 21Nov 44PST Throom Pore Name3113-Mayr 2413-Nov 21Nov 44Nov 24PST Throom Pore Name3113-Mayr 2413-Nov 21Nov 44Nov 44PST Throom Pore Name3113-Mayr 2413-Nov 21Nov 44PST Throom Pore Name3113-Mayr 2413-Nov 21Nov 44PST Throom Pore Name3113-Mayr 2413-Nov 211PST Throom Pore Name3113-Ma								Atthor Statement for Cutting of Evicting Capitilaver Walkway and Detrifor Top Sibb
PFT Temporary Diversion 1 - Dehrits (PST         115         11-May-21A         11-Sep-21A         13-Nov-21         04-Nov-27           PSTD106         Tial Tranch to Sheupile         7         11-May-21A         18-Mov-21         13-Nov-21         not the Faulty Bestowit and Platter Ferroval           PSTD105         Tial Tranch to Sheupile         6         20-May-21A         28-May-21A         13-Nov-21         13-Nov-21         Post Feulty Bestowit and Platter Ferroval           PSTD105         Deel Swage Polvo PST 56 (PST 1-4 Standby)         12         27-May-21A         27-May-21A         13-Nov-21         Post Medical Poly-strengt         Nor-Standball         Nor-Standball         Nor-Standball         13-Nov-21         Post Medical Poly-strengt         Nor-Standball         No								······································
PRTD1-00         Concrete Paring Removal and Planter Removal         7         11-May-21A         19-May-21         19-May-21 <th19-may-21< th=""> <th19-may-21< th="">         1</th19-may-21<></th19-may-21<>		-						
PSTD105         Tial Tench for Sheetpile         Feb         DestTo15         Tial Tench for Sheetpile         al Tench for Sheetpile           PSTD106         Pipe Matatial Poourement         50         20 May21A         13 Mov21         13 Mov21         Pipe Matatial Poourement           PSTD104         Divert Sevage Poour DPST 5.6 (PST 14 Standby)         12         22 May21A         13 Mov21         13 Mov21         Pipe Matatial Poourement           PSTD1016         Sheetpile Installation         12         12 Jun21A         25 Jun21A         13 Mov21         13 Mov21         Pipe Matatial Poolsheetpile           PSTD10160         Concrete Siab Culting No. 1 and 2         Pipe Installation         12         12 Jun21A         05 Jul21A         13 Mov21         13 Mov21         Pipe Installation and Pipe Matatiang Pipe Culting Pipe Contraction (Base Siab).           PSTD10158         Inst Manhoe and Pipe Matatian And Pipe Poourements Construction (Matande Velocity Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Culting Pipe Pipe Pipe Pipe Pipe Pipe Pipe Pipe				-				ncrete Pavinó Removal and Planter Removal
PSTD10         Pipe Material Procurement         50         20May21A         134bv-21         134bv-21         Pipe Material Procurement           PSTD1-10         Sheetpile Installation         127May21A         27May21A         27May21A         134bv-21         134bv-21         Verd Sweetpile Installation           PSTD1-10         Sheetpile Installation         12         12/Lur21A         27May21A         134bv-21         134bv-21         Verd Sweetpile Installation           PSTD1-10         Sheetpile Installation         Concrete Sile Outing No. 1 and 2         2         2         134bv-21         134bv-21         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2		· ·	6					
PSTD1-45         Dvert Sewage Pow to PST 5,6 (PST 14 Standby)         1         27 Augv21 A         27 Augv21 A         13 Nov21         14 Nov11         14 Nov11         14 Nov11 <td></td> <td></td> <td>50</td> <td></td> <td></td> <td></td> <td></td> <td></td>			50					
PSTID1-10Sheetple installation1212-Jun-21A28-Jun-21A13-Nov-2113-Nov-21InstallationPSTID1-60Concrete Sala Cutting No. 1 and 2822-Jun-21A07-Jul-21A09-Nov-27Op-Nov-27Concrete Sala Cutting No. 1 and 2PSTID1-15BInlet Manole and Flow Meter Charther Construction (Base Slab)463-Jul-21A13-Nov-2113-Nov-21Inder Meter Charther Construction (Base Slab)PSTID1-15BExcavation and Blinding713-Jul-21A20-Jul-21A13-Nov-21Excavation and Blinding in the Manole in Section Before Connection)PSTID1-25Pipe Installation (Intel Manole is Section Before Connection)804-Aug-21A13-Nov-2113-Nov-21Pole Installation intel Manole is Section Before Connection)PSTID1-15BIntel Manole and Flow Meter Charther Construction (Wal)811-Aug-21A13-Nov-2113-Nov-21+Pole Installation intel Manole in Section Before Connection Section)PSTID1-35BIs Norther Charther Construction (Wal)811-Aug-21A13-Nov-21++Norther Installation intel Manole in Section Before Connection Section)PSTID1-351s Norther Charther Construction (Wal)113-Nov-2113-Nov-21++Norther Charther Construction (Wal)PSTID1-351s Norther Canal Detroler 3C,118-Aug-21A13-Nov-2113-Nov-21++Norther Canal Detroler 3C,PSTID1-35Disable Detroler 3C,1118-Aug-21A13-Aug-21A13-Nov-21+Norther Canal Detroler 3C,PSTID1-35<		•						
PSTD1-60Concrete Sala Outting No. 1 and 2828-Jun-21 A07-Jul-21 A09-Nov-27Operate Sala Outting No. 1 and 2PSTD1-15BIntel Manhole and Flow Meter Chamber Construction (Base Slab)403-Jul-21 A13-Nov-2113-Nov-21net Manhole and Flow Meter Chamber Construction (Base Slab)PSTD1-15AExavation and Binding713-Jul-21 A03-Nov-2113-Nov-2113-Nov-21Peter Installation (Intel Manhole Inder Construction (Base Slab))PSTD1-20Ppe Installation (Intel Manhole Inder Construction (Base Slab)1022-Jul-21 A03-Nov-2113-Nov-2113-Nov-21PSTD1-25Ppe Installation and Existing Ppe Outting (Ppe Connection)804-Aug-21 A13-Nov-2113-Nov-21- Peie Installation ind Existing Ppe Outting (Ppe Connection)PSTD1-35Intel Manhole and Flow Meter Chamber Construction (Wal)811-Aug-21 A13-Nov-2113-Nov-21- Peie Installation ind Existing Ppe Outting (Ppe Connection Section)PSTD1-30Flow meter Chamber Construction (Wal)413-Aug-21 A13-Nov-2113-Nov-21- Peie InstallationPSTD1-35Ist Night Work (Seal Up Channel to Detroter 3C)118-Aug-21 A20-Aug-21 A13-Nov-21- Pieie Installation (Pieie Connection)PSTD1-30Piep Hydraulic Test718-Aug-21 A20-Aug-21 A13-Nov-21- Pieie Installation APSTD1-30Piep Hydraulic Test718-Aug-21 A20-Aug-21 A13-Nov-21- Pieie Installation APSTD1-30Piep Hydraulic Test318-Aug-21 A13-Aug-21 A<	PSTTD1-10	Sheetpile Installation	12	12-Jun-21 A		13-Nov-21	13-Nov-21	
PSTD1-15BInlet Manhole and Row Meter Chamber Construction (Base Slab)403-Jul-21A07-Jul-21A13-Nov-2113-Nov-21Inter Manhole and Flow Meter Chamber Construction (Base Slab)PSTD1-15AExcavation and Blinding713-Jul-21A20-Jul-21A13-Nov-21Bscavation and BlindingPSTD1-20Pipe Installation (Inter Manhole to Section Before Connection)1022-Jul-21A13-Nov-2113-Nov-21Pipe (Installation and Existing Pipe Outting (Pipe Connection) Section)PSTD1-25Pipe Installation and Existing Pipe Outting (Pipe Connection Section)804-Aug-21A13-Nov-2113-Nov-21Pipe (Installation and Existing Pipe Outting (Pipe Connection Section)PSTD1-15E2Intel Manhole and Flow Meter Chamber Construction (Wal)811-Aug-21A13-Nov-2113-Nov-21Intel Manhole and Flow Meter Chamber Construction (Wal)PSTD1-35AIst Nght Work (Seal Up Channel to Detroler 3C)116-Aug-21A13-Nov-2113-Nov-21Intel Manhole and Flow Meter Chamber Construction (Wal)PSTD1-30Deable Detroler 3C and Divert Sewage to PST 1-4116-Aug-21A13-Nov-2113-Nov-21Intel Manhole and Flow Meter Chamber Construction ResPSTD1-30Pipe Installation and Existing Pipe Outting (Pipe Connection Section)718-Aug-21A13-Nov-2113-Nov-21Intel Manhole and Flow Meter Chamber Construction ResPSTD1-30Pipe Installation and Existing Pipe Outting (Pipe Connection Section)318-Aug-21A13-Nov-2113-Nov-21Intel Manhole And Flow Meter Chamber Construction ResPSTD1-30Pipe Install								
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PSTD1-20       Pipe Installation (Intel Manhole to Section Before Connection)       10       22-Jul-21       03-Aug-21A       13-Nov-21       13-Nov-21       Pipe Installation (Intel Manhole to Section Before Connection)       11         PSTTD1-25       Pipe Installation and Existing Pipe Cutting (Pipe Connection)       8       04-Aug-21A       13-Nuv-21       13-Nov-21       1-Pipe Installation and Existing Pipe Cutting (Pipe Connection)       11         PSTTD1-352       Intel Manhole and Flow Meter Construction (Wall)       4       13-Aug-21A       13-Nov-21       13-Nov-21       1-Intel Manhole and Flow Meter Construction (Wall)       1         PSTTD1-35       1st Night Work (Seal Up Channel to Detroiter 3C)       1       18-Aug-21A       20-Aug-21A       13-Nov-21       13-Nov-21       1-ist Night Work (Seal Up Channel to Detroiter 3C).         PSTTD1-35       1st Night Work (Seal Up Channel to Detroiter 3C)       1       18-Aug-21A       20-Aug-21A       13-Nov-21       1-ist Night Work (Seal Up Channel to Detroiter 3C).         PSTTD1-30       Babe Detroiter 3C and Divert Sewage to PST 1-4       1       18-Aug-21A       20-Aug-21A       13-Nov-21       1-ist Night Work (Seal Up Channel to Detroiter 3C).         PSTTD1-30       Rowneet Calibration and Existing Pipe Cutting (Pipe Connection)       3       18-Aug-21A       19-Aug-21A       13-Nov-21       1-ist Night Work (Seal Up Channel to Detroiter 3C). <td></td> <td></td> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td>			7					
PSTTD125         Pipe Installation and Existing Pipe Outling (Pipe Connection Section)         8         04-Aug-21A         13-Nov-21	PSTTD1-20	Pipe Installation (Inlet Manhole to Section Before Connection)	10	22-Jul-21 A	03-Aug-21 A	13-Nov-21	13-Nov-21	
PSTTD1-15B2Inlet Manhole and Flow Meter Chamber Construction (Wall)811-Aug-21 A13-Aug-21 A <td>PSTTD1-25</td> <td>Pipe Installation and Existing Pipe Outting (Pipe Connection Section)</td> <td>8</td> <td>04-Aug-21 A</td> <td>12-Aug-21 A</td> <td>13-Nov-21</td> <td>13-Nov-21</td> <td></td>	PSTTD1-25	Pipe Installation and Existing Pipe Outting (Pipe Connection Section)	8	04-Aug-21 A	12-Aug-21 A	13-Nov-21	13-Nov-21	
PSTTD1-30AFlowmeter Installation413-Aug-21A17-Aug-21A13-Nov-2113-Nov-21Flowmeter InstallationPSTTD1-351st Night Work (Seal Up Channel to Detroiter 3C)118-Aug-21A20-Aug-21A13-Nov-2113-Nov-211st Night Work (Seal Up Channel to Detroiter 3C)PSTTD1-50Disable Detroiter 3C and Diver Sewage to PST 14118-Aug-21A20-Aug-21A13-Nov-2113-Nov-211-PSTTD1-30BFlowmeter Calibration and Function Test718-Aug-21A13-Nov-2113-Nov-211-Flowmeter Calibration and Function TestPSTTD1-40APipe Installation & Existing Pipe Cutting (Pipe Connection Section)318-Aug-21A13-Nov-2113-Nov-211-Flowmeter Calibration and Function Section Section)PSTTD1-40Wall Opening at Inlet Manhole318-Aug-21A20-Aug-21A13-Nov-211-Flowmeter Calibration activity (Pipe Connection Section)PSTTD1-15CBackfill Pipeline to Ground Level319-Aug-21A20-Aug-21A13-Nov-211-Wall Opening at Inlet ManholePSTTD1-15CBackfill Pipeline to Ground Level621-Aug-21A13-Nov-211-1-Nov-211-PSTTD1-4020CMS - Electromagnetic Flowmeter (EMF) & Valves2411-May-21A13-Nov-2113-Nov-211-Bachtill Pipeline to Ground LevelPSTTD1-4030Procument and Delivery of Materials4012-May-21A29-Jun-21A13-Nov-2113-Nov-21K-Electromagnetic Flowmeter (EMF) & ValvesPSTTD1-4020CMS - Electroma			8	-	-			
PSTTD1-35       1st Night Work (Seal Up Channel to Detroiter 3C)       1       18-Aug-21 A       20-Aug-21 A       13-Nov-21       13-Nov-21       1-st Night Work (Seal Up Channel to Detroiter 3C)         PSTTD1-50       Disable Detroiter 3C and Divert Sewage to PST 1-4       1       18-Aug-21 A       20-Aug-21 A       13-Nov-21       13-Nov-21       1-st Night Work (Seal Up Channel to Detroiter 3C)         PSTTD1-50       Disable Detroiter 3C and Divert Sewage to PST 1-4       1       18-Aug-21 A       20-Aug-21 A       13-Nov-21       13-Nov-21       1-st Night Work (Seal Up Channel to Detroiter 3C)         PSTTD1-30B       Flowmeter Calibration and Function Test       7       18-Aug-21 A       20-Aug-21 A       13-Nov-21       13-Nov-21       1-st Night Work (Seal Up Channel to Detroiter 3C)         PSTTD1-40A       Pipe Installation and Function Test       7       18-Aug-21 A       20-Aug-21 A       13-Nov-21       13-Nov-21       1-st Night Work (Seal Up Channel to Detroiter 3C)         PSTTD1-40A       Pipe Installation and Function Test       7       18-Aug-21 A       20-Aug-21 A       13-Nov-21       1-st Nov-21       1-st Nov-21<			4		-			
PSTTD 1-50Disable Detroiter 3C and Divert Sewage to PST 1-4118Aug-21 A20-Aug-21 A13-Nov-2113-Nov-21Disable Detroiter 3C and Divert Sewage to PST 1-4PSTTD 1-30BFlowmeter Calibration and Function Test718-Aug-21 A20-Aug-21 A13-Nov-2113-Nov-2113-Nov-21PSTTD 1-40APipe Installation & Existing Pipe Outling (Pipe Connection Section)318-Aug-21 A19-Aug-21 A13-Nov-2113-Nov-21Pipe Installation & Existing Pipe Outling (Pipe Connection Section)PSTTD 1-40APipe Hydraulic Testing318-Aug-21 A20-Aug-21 A13-Nov-2113-Nov-21Pipe Hydraulic TestingPSTTD 1-40Wall Opening at Inlet Manhole319-Aug-21 A20-Aug-21 A13-Nov-2113-Nov-21Wall Opening at Inlet ManholePSTTD 1-61Temporary Diversion Zone 1 Complete621-Aug-21 A11-Nav-2113-Nov-2113-Nov-21Temporary Diversion Zone 1 CompletePSTTD 1-50Backfill Pipeline to Ground Level621-Aug-21 A13-Nov-2113-Nov-21Backfill Pipeline to Ground LevelTemporary Diversion Zone 1 Complete621-Aug-21 A31-Aug-21 A13-Nov-2113-Nov-21Backfill Pipeline to Ground LevelTemporary Flowmeter CHMP11611-May-21 A31-Aug-21 A13-Nov-2113-Nov-21Backfill Pipeline to Ground LevelPSTTD 1-4020CMS - Electromagnetic Flowmeter (EMF) & Valves2411-May-21 A31-Nov-2113-Nov-2113-Nov-21PSTTD 1-4030Procurement and Delivery of Materials4012-May-		1st Night Work (Seal Up Channel to Detroiter 3C)	1	-	-			
PSTTD1-30BFlowmeter Calibration and Function Test718-Aug-21A20-Aug-21A13-Nov-2113-Nov-2113-Nov-21Flowmeter Calibration and Function TestPSTTD1-40APipe Installation & Existing Pipe Qutting (Pipe Connection Section)318-Aug-21A19-Aug-21A13-Nov-2113-Nov-2113-Nov-21PSTTD1-30Pipe Hydraulic Testing318-Aug-21A20-Aug-21A13-Nov-2113-Nov-2113-Nov-21PSTTD1-40Wall Opening at Inlet Manhole319-Aug-21A20-Aug-21A13-Nov-2113-Nov-21Wall Opening at Inlet ManholePSTTD1-61Temporary Diversion Zone 1 Complete020-Aug-21A11-Nov-2113-Nov-2113-Nov-21Temporary Diversion Zone 1 CompletePSTTD1-15CBackfill Pipeline to Ground Level621-Aug-21A11-Sep-21A13-Nov-2113-Nov-2113-Nov-21Backfill Pipeline to Ground LevelTemporary Flowmeter (F)11611-May-21A31-Aug-21A13-Nov-2113-Nov-2113-Nov-21Backfill Pipeline to Ground LevelPSTTD1-4020CMS - Electromagnetic Flowmeter (EMF) & Valves2411-May-21A29-Jun-21A13-Nov-2113-Nov-21AS - Electromagnetic Flowmeter (EMF) & ValvesPSTTD1-4030Procurement and Delivery of Materials4012-May-21A29-Jun-21A13-Nov-2113-Nov-21Nov-21			1					
PSTTD1-40APipe Installation & Existing Pipe Quitting (Pipe Connection Section)318-Aug-21A19-Aug-21A13-Nov-2113-Nov-2113-Nov-21Pipe Installation & Existing Pipe Quitting (Pipe Connection Section)PSTTD1-30Pipe Hydraulic Testing318-Aug-21A20-Aug-21A13-Nov-2113-Nov-2113-Nov-21PSTTD1-40Wall Opening at Inlet Manhole319-Aug-21A20-Aug-21A13-Nov-2113-Nov-2113-Nov-21PSTTD1-61Temporary Diversion Zone 1 Complete020-Aug-21A13-Nov-2113-Nov-2113-Nov-21Temporary Diversion Zone 1 CompletePSTTD1-15CBackfill Pipeline to Ground Level621-Aug-21A11-Sep-21A13-Nov-2113-Nov-2113-Nov-21Backfill Pipeline to Ground LevelTemporary Flowmeter Chamber (F)11611-May-21A31-Aug-21A13-Nov-2113-Nov-2113-Nov-21Backfill Pipeline to Ground LevelPSTTD1-4020CMS - Electromagnetic Flowmeter (EMF) & Valves2411-May-21A29-Jun-21A13-Nov-2113-Nov-21AS - Electromagnetic Flowmeter (EMF) & ValvesPSTTD1-4030Procurement and Delivery of Materials4012-May-21A29-Jun-21A13-Nov-2113-Nov-21Nov-21Nov-21		-	7	-	-		13-Nov-21	
PSTTD1-30Pipe Hydraulic Testing318-Aug-21 A20-Aug-21 A13-Nov-2113-Nov-2113-Nov-21Pipe Hydraulic TestingPSTTD1-40Wall Opening at Inlet Manhole319-Aug-21 A20-Aug-21 A13-Nov-2113-Nov-2113-Nov-21Wall Opening at Inlet ManholePSTTD1-61Temporary Diversion Zone 1 Complete020-Aug-21 A13-Nov-2113-Nov-2113-Nov-21Temporary Civersion Zone 1 CompletePSTTD1-15CBackfill Pipeline to Ground Level621-Aug-21 A11-Sep-21 A13-Nov-2113-Nov-2113-Nov-21Backfill Pipeline to Ground LevelTemporary Flowmeter Chamber (F)11611-May-21 A31-Aug-21 A13-Nov-2113-Nov-2113-Nov-21Backfill Pipeline to Ground LevelPSTTD1-4020CMS - Electromagnetic Flowmeter (EMF) & Valves2411-May-21 A08-Jun-21 A13-Nov-2113-Nov-21AS - Electromagnetic Flowmeter (EMF) & ValvesPSTTD1-4030Procurement and Delivery of Materials4012-May-21 A29-Jun-21 A13-Nov-2113-Nov-21Nov-21		Pipe Installation & Existing Pipe Outting (Pipe Connection Section)	3		-		13-Nov-21	
PSTTD1-40Wall Opening at Inlet Manhole319-Aug-21 A20-Aug-21 A13-Nov-2113-Nov-2113-Nov-2113-Nov-21PSTTD1-61Temporary Diversion Zone 1 Complete020-Aug-21 A1013-Nov-2113-Nov-2113-Nov-21PSTTD1-15CBackfill Pipeline to Ground Level621-Aug-21 A11-Sep-21 A13-Nov-2113-Nov-2113-Nov-21Temporary Flowmeter Chamber (F)11611-May-21 A31-Aug-21 A13-Nov-2113-Nov-2113-Nov-21PSTTD1-4020CMS - Electromagnetic Flowmeter (EMF) & Valves2411-May-21 A08-Jun-21 A13-Nov-2113-Nov-21PSTTD1-4030Procurement and Delivery of Materials4012-May-21 A29-Jun-21 A13-Nov-2113-Nov-21Nov-21			3	-	-			
PSTTD1-61       Temporary Diversion Zone 1 Complete       0       20-Aug-21 A       13-Nov-21       13-Nov-21       Temporary Diversion Zone 1 Complete         PSTTD1-15C       Backfill Pipeline to Ground Level       6       21-Aug-21 A       11-Sep-21 A       13-Nov-21       13-Nov-21       Backfill Pipeline to Ground Level         Temporary Flowmeter Chamber (F)       116       11-May-21 A       31-Aug-21 A       13-Nov-21       13-Nov-21       13-Nov-21         PSTTD1-4020       CMS - Electromagnetic Flowmeter (EMF) & Valves       24       11-May-21 A       08-Jun-21 A       13-Nov-21       13-Nov-21       13-Nov-21         PSTTD1-4030       Procurement and Delivery of Materials       40       12-May-21 A       29-Jun-21 A       13-Nov-21       13-Nov-21       Nov-21       Nov-21	PSTTD1-40	Wall Opening at Inlet Manhole	3	-	-	13-Nov-21	13-Nov-21	
PSTTD1-15C       Backfill Pipeline to Ground Level       6       21-Aug-21 A       11-Sep-21 A       13-Nov-21       13-Nov-21       13-Nov-21         Temporary Flowmeter Chamber (F)       116       11-May-21 A       31-Aug-21 A       13-Nov-21       13-Nov-21       13-Nov-21         PSTTD1-4020       CMS - Electromagnetic Flowmeter (EMF) & Valves       24       11-May-21 A       08-Jun-21 A       13-Nov-21       13-Nov-21       13-Nov-21         PSTTD1-4030       Procurement and Delivery of Materials       40       12-May-21 A       29-Jun-21 A       13-Nov-21       13-Nov-21       13-Nov-21			0					
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PSTTD1-4020         CMS - Electromagnetic Flowmeter (EMF) & Valves         24         11-May-21 A         08-Jun-21 A         13-Nov-21         13-Nov-21         AS         Electromagnetic Flowmeter (EMF) & Valves           PSTTD1-4030         Procurement and Delivery of Materials         40         12-May-21 A         29-Jun-21 A         13-Nov-21			116		· ·			
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	PSTTD1-4030	Procurement and Delivery of Materials	40	12-May-21 A	29-Jun-21 A	13-Nov-21	13-Nov-21	
	PSTTD1-4040	Flow Meter Chamber Base Slab	6	16-Jul-21 A	22-Jul-21 A	13-Nov-21	13-Nov-21	



Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme Project ID : DWP.DPr6\_210930 Layout : DC201910 DWP rev Page 9 of 27

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	I	Detailed Works Pr	ogramme	
	Date	Revision	Checked	Approved
v.6	30-Sep-21	Rev. 6		
	31-Aug-21	Rev. 5		
	31-Jul-21	Rev. 4		

	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	23	3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q1 Q2 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
PSTTD1-4050	E&M installation of EMF & valves & cabling	19	23-Jul-21 A			13-Nov-21		E&M installation of EMF & valves & cabling
PSTTD1-4070	T&C (Functional test for EMF)	12	21-Aug-21 A	-		13-Nov-21		🖣 T&C (Functional test for EMF)
PST Demolition Stage		167	07-Apr-21 A			13-Nov-21		
PSTTD1-55 PSTTD1-56	Demolish Detritor 3C Demolish Screened Sewage/Return Effluent Chamber(30), Flow Measurement Chamber(34), Covered Car Parks(2)	) 14	13-Sep-21 A 13-Sep-21 A	· ·	13-Nov-21 13-Nov-21	13-Nov-21 13-Nov-21		Demolish Definion/3C     Definolish Scheened:Sewage/Return Effluent Chamber(30), Flow Measurement:Chamber(34),Covered Car Parks(28)
Demolition of PST 7 and	<b>o</b> ( <i>p</i> ) ( <i>p</i> ) ( <i>c</i> )	127	07-Apr-21 A	· ·		30-Sep-21	· -	Demolish Screened: Sewage/Return Effluerit Chamber(30), Flow Measurement: Chamber(34), Covered Car Parks(28)
PST-1121	Purchasing Air Plug/End Cap	11	07-Apr-21 A	19-Apr-21 A	30-Sep-21	30-Sep-21	as	sing Air Plug/End Cap
PST-1122	Subletting Work for rench Excavation for Plug 800mm	12	12-Apr-21 A	24-Apr-21 A	30-Sep-21	30-Sep-21	tti	ting Work for rench Excevation for Plug 800mm
PST-1124	Trial Pit for 800mm Pipe	4	13-Apr-21 A	16-Apr-21 A	30-Sep-21	30-Sep-21	t	for 890mm Pice
PST-1126	Diversion Lighting Cable	1	15-Apr-21 A	15-Apr-21 A	30-Sep-21	30-Sep-21	pr	n L <mark>i</mark> ghting Cable
PST-1127 PST-1125	Termination of Signal Cable Excavate Trench for Plug 800mm and Plug 350mm and 300m Pipe	1 8	15-Apr-21 A 17-Apr-21 A	15-Apr-21 A 26-Apr-21 A	30-Sep-21 30-Sep-21	30-Sep-21 30-Sep-21	at	tton of Siginal Cable
PST-1123	Plug 350mm and 300mm Pipe Inside Chamber	3	20-Apr-21 A	22-Apr-21 A	30-Sep-21	30-Sep-21	a 15	ate Trènch for Plug 800nm and Plug 350mm and 300m Pipe Somm and 300mm Pipe Inside Chamber
PST-1128	Mobilisation and Setup of Plants	2	20-Apr-21 A		30-Sep-21	30-Sep-21	52	ation and Setup of Plants
PST-1129	Commencement of Breaking Works	1	26-Apr-21 A		30-Sep-21	30-Sep-21	he	ndjement of Bleaking Works
PST-3021	Demolish PST No. 7	28	26-Apr-21 A	29-May-21 A	30-Sep-21	30-Sep-21	m	volan PSTINé. 7
PST-3023	Demolish PST No. 8	24	30-Apr-21 A	29-May-21 A	· ·	30-Sep-21	m	φt <mark>e</mark> n PST/Nφ. B
PST-3022	Site Formation works for PST no. 7	4	09-Jul-21 A	13-Jul-21 A	30-Sep-21	30-Sep-21	Ş	Ite Formation works for PST no. 7
PST-3024 PST-3025	Site Formation works for PST no. 8 Demolish Primary Sludge Draw-off Chamber "34D"	4	26-Jul-21 A 03-Aug-21 A	29-Jul-21 A 25-Aug-21 A	30-Sep-21 30-Sep-21	30-Sep-21 30-Sep-21		Site Formation works for PST no. 8
PST Demolition Stage 2		30	13-Sep-21 A	-	11-May-22	17-May-22	174	Demolish Primary Sludge Draw-off Charitber [34D]
PSTTD1-4080	Demolition of Existing PST 6	30	13-Sep-21 A		11-May-22	17-May-22	174	Permolition of Existing PST 6
	Demolition of Existing PST 5	30	13-Sep-21 A		11-May-22	17-May-22	174	💾 :Demolition of Existing PST 6
nlet Works (IW)	-	1045	09-Nov-20 A	11-Mar-24	30-Sep-21	09-Nov-27	1146	
	op, Storage Facil. and Haul Road	78	15-Dec-20 A	25-Mar-21 A	18-Oct-21	18-Oct-21		
IW-2010	Submit/Approve Method Statement	48	15-Dec-20 A	18-Feb-21 A	18-Oct-21	18-Oct-21	bro	røve Method/Statement
IW-2020	Equipment and Material Procurement	78	15-Dec-20 A	25-Mar-21 A	18-Oct-21	18-Oct-21	en	nt and Malenal Procupement
W Footprint Demolition	n Works	87	16-Apr-21 A	28-Aug-21 A	04-Oct-21	13-Nov-21		
IW-2350	Inlet Work Stage 1 - Site Clearance	7	16-Apr-21 A	23-Apr-21 A	04-Oct-21	04-Oct-21	Vo	φrk Stage 1. Site Gearance
	Demolition of Main Store (26)	6	18-Jun-21 A		18-Oct-21	18-Oct-21	e	molition of Main Store (26)
IW-2410	Demolition of Workshop (25)	10 431	20-Jul-21 A	-	13-Nov-21 30-Sep-21	13-Nov-21 09-Nov-27	1760	Demolition of Workshop (25)
IW Foundation & ELS V IW-2000	IW - Predrilling Works Method Statement Preparation	431	09-Nov-20 A 09-Nov-20 A		04-Oct-21	09-100-27 04-Oct-21		Works Method Statement Preparation
IW-2000	IW - Predrilling Works Method Statement Submission and Approval	12	02-Jan-21 A		04-Oct-21	04-Oct-21		
IW-2050	IW - GI Monitoring Points Installation Method Statement Submission and Approval	45	16-Jan-21 A			04-Oct-21	р <u>.</u> Ис	Works Method Statement Submission and Approval on toring Points Installation Method Statement Submission and Approval
IW-2060	IW - GI Piezometer and Standpipe Installation Method Statement Submission and Approval	42	16-Jan-21 A	12-Mar-21 A	04-Oct-21	04-Oct-21	ie	ezometer and Standpipe Installation Method Statement Submission and Approval
W GI - Monitoring Points	s Installation	29	16-Mar-21 A	22-Apr-21 A	04-Oct-21	04-Oct-21		
IW-2230	IW - Piezometer and Standpipe (PS6)	9	16-Mar-21 A	25-Mar-21 A		04-Oct-21	zo	ometer and Standpipe (PS6)
IW-2240	IW - Ground Settlement Markers Installation	28	17-Mar-21 A	22-Apr-21 A	04-Oct-21	04-Oct-21		rou <mark>n</mark> d;Settlement Markers Installation
IW-2250 IW-2260	IW - Vibration Monitoring Points Installation	28	17-Mar-21 A 17-Mar-21 A	22-Apr-21 A 22-Apr-21 A	04-Oct-21 04-Oct-21	04-Oct-21 04-Oct-21		bralion Mdnitoring Points Installation
IW-2270	IW - Building Settlement Monitoring Points Installation IW - Tilting Monitoring Points Installation	28	17-Mar-21 A	22-Apr-21 A 22-Apr-21 A	04-Oct-21 04-Oct-21	04-Oct-21 04-Oct-21	u 	ultding Settlernent Monitoring Points Installation ting Monitoring Points:Installation
IW-2280	IW - Utility Monitoring Points Installation	28	17-Mar-21 A	· ·	04-Oct-21	04-Oct-21	til	ing Monitong, Points, Installation
IW-2290	IW - Piezometer and Standpipe (PS7)	9	26-Mar-21 A	09-Apr-21 A	04-Oct-21	04-Oct-21		zo <mark>m</mark> eter and Standpice (PS7)
IW-2330	IW - Piezometer and Standpipe (PS8)	9	26-Mar-21 A	09-Apr-21 A	04-Oct-21	04-Oct-21	ez	zometer and Standpide (PS8)
IW-2340	IW - Piezometer and Standpipe (PS9)	10	10-Apr-21 A	21-Apr-21 A	04-Oct-21	04-Oct-21	ie	ezodméter and Standpipe (PSP)
IW-2360	IW - Piezometer and Standpipe (PS10)	10	10-Apr-21 A		04-Oct-21	04-Oct-21	ie	ezometer and Standolipe (PS10)
IW-2370	IW - Monitoring Points Installation Complete	0		22-Apr-21 A		04-Oct-21	10	ontoring. Points Installation Complete
W GI - Predrilling Works IW-2040	s IW - Predrilling Preparation, Drill Rig A	<u> </u>	16-Jan-21 A 16-Jan-21 A	14-Jul-21 A 18-Jan-21 A	04-Oct-21 04-Oct-21	09-Nov-27 04-Oct-21		
IW-2070	IW - PD10	18	19-Jan-21 A		04-Oct-21	04-Oct-21	<u>p</u>	Preparation, Drill-Rig A
IW-2080	IW - Predrilling Preparation, Drill Fig B	15	25-Jan-21 A	10-Feb-21 A	04-Oct-21	04-Oct-21	- in	ng Preparation, Drill-Rig B
IW-2100	IW - PD1	15	06-Feb-21 A		04-Oct-21	04-Oct-21		
IW-2110	IW - Predrilling Preparation, Drill Rig C	5	06-Feb-21 A	18-Feb-21 A	04-Oct-21	04-Oct-21	lir	ng Preparation, Drill Rig C
IW-2090	IW - PD11	5	09-Feb-21 A		04-Oct-21	04-Oct-21		
IW-2130	IW - PD12	14	19-Feb-21 A		04-Oct-21	04-Oct-21	<u> </u>	
IW-2140	IW - PD6	15	19-Feb-21 A	08-Mar-21 A	04-Oct-21	04-Oct-21		
IW-2150 IW-2160	IW - Predrilling Preparation, Drill Rig D IW - PD13	5	19-Feb-21 A 25-Feb-21 A	24-Feb-21 A 12-Mar-21 A	04-Oct-21 04-Oct-21	04-Oct-21 04-Oct-21		ling Preparation, Drill Rig:D:
IW-2160 IW-2170	IW - PDI3 IW - Predrilling Preparation, Drill Rig E	2	25-Feb-21 A 25-Feb-21 A	26-Feb-21 A	04-Oct-21 04-Oct-21	04-Oct-21 04-Oct-21	β	
IW-2170	IW - PD8	15	27-Feb-21 A	16-Mar-21 A	04-Oct-21 04-Oct-21	04-Oct-21 04-Oct-21		ling Preparation, Drill Rig:E:
IW-2190	IW - Predrilling Preparation, Drill Rig F	6	27-Feb-21 A	05-Mar-21 A		04-Oct-21	rill	ling Preparation, Drill Rig F
IW-2200	IW - PD7	18	03-Mar-21 A	23-Mar-21 A		04-Oct-21	F.	
IW-2210	IW - PD9	15	08-Mar-21 A	24-Mar-21 A	04-Oct-21	04-Oct-21	Ð	
IW-2220	IW - PD5	13	09-Mar-21 A	23-Mar-21 A		04-Oct-21	5	
IW-2300	IW - PD2	14	24-Mar-21 A	13-Apr-21 A	04-Oct-21	04-Oct-21	<u>p</u> z	12
IW-2320	IW - PD3	14	24-Mar-21 A	13-Apr-21 A	04-Oct-21	04-Oct-21	<u>þ</u> a	1 <u>3</u>
IW-2940	IW - Additional Predrills (7 nos.)	14	24-Mar-21 A	13-Apr-21 A	09-Nov-27	09-Nov-27	bi	ditional Predrills (7 rios.)
IW-2890 IW-2310	IW - Pre-drilling Works Complete IW - PD4	0	01-Jun-21 A	13-Apr-21 A 14-Jul-21 A	18-Oct-21	04-Oct-21 18-Oct-21	e "	e-drilling;Works:Complete ₩pDd
W GI - Environmental		62	01-Jul-21 A 03-Jul-21 A	30-Sep-21	18-0d-21 13-Nov-21	13-Nov-21	37	W TP7
IW-2460	ENV-BH35	7	03-Jul-21 A	07-Jul-21 A	13-Nov-21	13-Nov-21		Е№-₽Ю35
IW-2490	ENV-BH36	7	08-Jul-21 A	10-Jul-21 A	13-Nov-21	13-Nov-21	Ľ	ENV-BH36
IW-2510	ENV-BH37	7	10-Jul-21 A	12-Jul-21 A	13-Nov-21	13-Nov-21		ENV-BH37
	ENV-BH34	7	12-Jul-21 A	13-Jul-21 A	13-Nov-21	13-Nov-21	E	EN//8H84
IW-2440								
IW-2440								
Paul Y		tract DC/2	010/1			Main V	Vorka	s for Stage 1 Project ID : DWP.DPr6_210930 Detailed Works Programme Date Revision Checked Appr



DWP Rev.5
 Actual Work
 Remaining Work

Critical Remaining Work

ontract DC/2019/10 - YLEPP - Main Works for Stage Detailed Works Programme Project ID : DWP.DPr6\_210930 Layout : DC201910 DWP rev. Page 10 of 27

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ty ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	
								23 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q1 Q1 Q1 Q2 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1 Q1
IW-2900	Submission and review by EPD	44	20-Jul-21 A	20-Aug-21 A		13-Nov-21		📥 Submission and review by EPD
IW-2430	ENV-BH31	7	12-Aug-21 A	0	13-Nov-21	13-Nov-21		P. ENV-8-131
IW-2450	ENV-BH32	7	12-Aug-21 A	-		13-Nov-21		ENV-BH32
IW-2480	ENV-BH33	7	12-Aug-21 A		13-Nov-21	13-Nov-21	07	• ENV-8+83
IW-2910 W Foundation & ELS	CAR / RAP Approval	1 404	21-Aug-21 A 09-Nov-20 A	30-Sep-21 22-Feb-22	13-Nov-21 30-Sep-21	13-Nov-21 09-Nov-27	37 1787	CAR/ RAP Approval
NMM-2020	PS 1.105A Noise Mitigation Measures 2020-2021	143	09-Nov-20 A	31-Mar-21 A	30-Sep-21	30-Sep-21		15A Nojsé Mitúgation Méasures 2020-2021
EBS-2021	Egrets Breeding Season 2021	184	01-Mar-21 A	31-Aug-21 A	30-Nov-21	30-Nov-21		Egrets Breeding Season 2021
PMI014	PMI No. 014 - Revised Piling Layout at IW	0	15-Mar-21 A		09-Nov-27			1014 - Revised Piling Layout at IW
IW-2850	Inlet Work Stage 1 - Site Setup and mobilization	7	14-Apr-21 A	21-Apr-21 A	04-Oct-21	04-Oct-21		Vork Stage 1 - Site Setup and mobilization Inlet Work Stage 1 - Driven H-piles (85nis + 6tension piles.; @ ave.1nd/d/rig, 2rigs)
IW-2380	Inlet Work Stage 1 - Driven H-piles (85nrs + 6tension piles., @ ave.1no/d/rig, 2rigs)	65	04-May-21 A	30-Sep-21	04-Oct-21	04-Oct-21	2	Inlet Work Stage 1:- Driven IH-piles (85nrs + 6tension piles: @ ave.1nd/d/rig, 2rigs)
IW-2470	Inlet Work Stage 1 - H-piles Testing	21	22-Jul-21 A	04-Oct-21	05-Oct-21	06-Oct-21	2	Inlet Work Stage 1 - H-piles Testing
IW-2880	Inlet Work Stage 1 - Submit piling record to GEO (28d)	30	05-Oct-21	03-Nov-21	26-Jan-22	24-Feb-22	113	📙 Inlet Work Stage 1 - Submit piling record to GEO (28d)
IW-2920	Inlet Work Stage 1 - Monitoring Installation and Pumping Test	21	05-Oct-21	29-Oct-21	07-Oct-21	01-Nov-21	2	Inlet Work Stage 1:- Monitoring Installation and Purrping Test
IW-2420	Inlet Work Stage 1 - Sheetpiles Install (1,840m2 at 120m2/d)	18	07-Oct-21	28-Oct-21	11-Oct-21 02-Nov-21	01-Nov-21	3	📮 Inlet Work Stage 1- Sheetpiles Install (1,840m2 at 120m2/d)
IW-2520 IW-2500	Inlet Work Stage 1 - Excavation (+5.2 to +4.5mPD) Inlet Work Stage 1 - Marine Sediments Treatment and Disposal	30 60	30-Oct-21 30-Oct-21	03-Dec-21 11-Jan-22	02-Nov-21 27-Nov-21	06-Dec-21 15-Feb-22	2	Inlet Work Stage 1 - Excavation (+5.2 to +4.5mPD)
IW-2540	Inlet Work Stage 1 - Strut Installation S1 (+4.5mPD)	16	04-Dec-21	22-Dec-21	07-Feb-22	24-Feb-22	46	
IW-2550	Inlet Work Stage 1 - Situat Installation 31 (++.31)	30	04-Dec-21 04-Dec-21	11-Jan-22	07-Dec-21	13-Jan-22	2	
IW-2570	Inlet Work Stage 1 - Excavation (+1 to -1.55mPD)	30	12-Jan-22	22-Feb-22	14-Jan-22	24-Feb-22	2	Inlet Work Stage 1 - Excavation (+1.5 to +1.0mPD)
IW-2580	Inlet Work Stage 1 - Strut Installation S2 (+1mPD)	16	12-Jan-22	29-Jan-22	25-Feb-22	15-Mar-22	32	□ Indet Work Stage 1 - Strut Installation S2 (+ tmPD)
W Foundation & ELS		313	02-Feb-21 A	25-Mar-22	18-Oct-21	09-Nov-27	1760	
PP2	Portion 2 (sd+211d)	0	08-Jun-21 A		02-Nov-27			rtion 2 (sd+211d)
IW-2860	Inlet Work Stage 2 - Site establishment & investigation, RAP, submit Remediation Report (carryforward from Site establ.)	53	22-Jun-21 A	07-Oct-21	02-Nov-27	08-Nov-27	1202	
IW-2861	Inlet Work Stage 2 - Temporary UU Diversion	14	22-Jun-21 A	08-Jul-21 A	09-Nov-27	09-Nov-27		nlet Work Stage 2 - Tremporary UU:Diversion Inlet Work Stage 2 - Driven H-piles (122 ns., @ave. tno/d/rig, 2rigs) Handover and Inspection of Temd. Workshop and Storage Fabilities (advance work before P2 addess)
IW-2530	Inlet Work Stage 2 - Driven H-piles (122nrs., @ave. 1no/d/rig, 2rigs)	61	09-Jul-21 A	29-Oct-21	18-Oct-21	13-Nov-21	13	Inlet Work Stage 2: - Driven H-piles (122nns., @ave.1no/d/rig, 2rigs)
IW-2400	Handover and Inspection of Temp. Workshop and Storage Facilities (advance work before P2 access)	8	16-Jul-21 A	24-Jul-21 A	13-Nov-21	13-Nov-21	10	Heandoverand Inspection of Temp. Workshop and Storage Fabilities (advance work before P2 access)
IW-2560	Inlet Work Stage 2 - Sheetpiles Install (2,758m2 at 120m2/d)	23 21	29-Oct-21	24-Nov-21 23-Nov-21	12-Nov-21	08-Dec-21 08-Dec-21	12 13	📮 Inlet Work Stage 2- Sheetpiles Install (2:758m2 at 120m2/d)
IW-2590 IW-2591	Inlet Work Stage 2 - H-piles Testing Inlet Work Stage 2 - Monitoring Installation and Pumping Test	21	30-Oct-21 30-Oct-21	23-Nov-21 23-Nov-21	15-Nov-21 15-Nov-21	08-Dec-21 08-Dec-21	13	<ul> <li>Intel Work Stage 2 - Hpiles Testing</li> <li>Intel Work Stage 2 - Monitoring Installation and Pumping Test</li> </ul>
IW-2125	Complete Temporary Administration Building - Non-MiC Section	0	30-00l-21	23-110V-21 22-Nov-21	13-1107-21	15-Oct-27	1746	
IW-2123	Inlet Work Stage 2 - Submit piling record to GEO (28d)	28	24-Nov-21	21-Dec-21	28-Jan-22	24-Feb-22	65	Complete Temporary Administration Building - Non-MIC Section     Intel: Work Stage 2 - Submit piling record to GEO:(28d)
IW-2610	Inlet Work Stage 2 - Excavation (-1.55 to -2.5mPD)	30	01-Dec-21	07-Jan-22	09-Dec-21	15-Jan-22	7	Inter Work Stage 2 - Scontraving resort to SciD-(200)
IW-2640	Inlet Work Stage 2 - Excavation (-2.5 to -4.5mPD)	30	08-Jan-22	18-Feb-22	17-Jan-22	26-Feb-22	7	Inlet Work Stage 2- Excavation (-2.5:to:-4.5mPD)
IW-2620	Inlet Work Stage 2 - Marine Sediments Treatment and Disposal	40	12-Jan-22	05-Mar-22	16-Feb-22	02-Apr-22	24	Inlet Work Stage 2 - Excavation (-2.5 to -4.5 mPD)
IW-2630	Inlet Work Stage 2 - Strut Installation S3 (-2.5mPD)	16	12-Jan-22	29-Jan-22	25-Feb-22	15-Mar-22	32	Inlet Work Stage 2 - Strut Installation S3 (-2:5mP.D)
IW-2650	Inlet Work Stage 2 - Strut Installation S4 (-4.5mPD)	16	19-Feb-22	09-Mar-22	16-Mar-22	02-Apr-22	21	📕 Ihilet Work Stage 2 - Strut Installation S4 (4.5mPD)
IW-2660	Inlet Work Stage 2 - Excavation (-4.5 to -7.15mPD)	30	19-Feb-22	25-Mar-22	28-Feb-22	02-Apr-22	7	📕 Inlet Work Stage 2 - Excavation (-4.5 to -7, 15mPD)
IW-2670	IW - Foundation & ELS Complete	0		25-Mar-22		02-Apr-22	7	发 IW- Foundation & ELS Complete
Temporary Worksh		91	02-Feb-21 A	19-Jul-21 A	18-Oct-21	13-Nov-21		
IW-2120A IW-2120B	Design and Submission Site Formation	7	02-Feb-21 A 26-Apr-21 A	24-Apr-21 A	18-Oct-21 18-Oct-21	18-Oct-21 18-Oct-21		h and Submission
IW-2120B	Foundation Work	7	26-Apr-21 A 04-May-21 A	03-May-21 A 08-May-21 A		18-Oct-21 18-Oct-21		Formation
IW-21200	Erect Steel Structure, External Wall and Roof Oadding	10	10-May-21 A			18-Oct-21		dation: Work It Steel Structure, External Wall and Roof Oaddirig
IW-2120E	Erect Internal Partition and False Ceiling	6	18-May-21 A	24-May-21 A		18-Oct-21		r Steel Structure, External waii and Hoor Cadding
IW-2120F	Electrical Work. Sanitary Work. Install A/C and Floor Finishes	10	18-May-21 A			18-Oct-21		
IW-2390	Relocation of Workshop (advance work before P2 access)	20	25-Jun-21 A	19-Jul-21 A	13-Nov-21	13-Nov-21		Ictrice! Work, Sanitary Work, Install A/C and Floor Finishes Fleip cation of Workshop (advance work before FI2 access)
IW-2390B	Relocation of Storage Facilities (advance work before P2 access)	5	25-Jun-21 A	30-Jun-21 A	18-Oct-21	18-Oct-21		Relocation of Storage Facilities (advance work before P2 access)
IW Civil and Structur	Iral Works	262	25-Feb-22	12-Jan-23	25-Feb-22	12-Jan-23	0	
W Structure Stage 1		135	25-Feb-22	10-Aug-22	25-Feb-22	10-Aug-22	0	
IW-2600	Inlet Work Stage 1 - Structure from -1.55 mPD to +1.45 mPD	90	25-Feb-22	17-Jun-22	25-Feb-22	17-Jun-22	0	Inlet Work Stage 1 - Structure from -1.55 mPD to +1.45 mPD
IW-2690	Inlet Work Stage 1 - Structure from +1.45 mPD to +4.0 mPD	45	18-Jun-22	10-Aug-22	18-Jun-22	10-Aug-22	0	Inlet Work Stage 1 - Structure from +1.45 mPD to +4.0 mPD
W Structure Stage 2 IW-2680	(to G/F +4.0mPD) Inlet Work Stage 2 - Structure from -7.15 mPD to -5.0 mPD	112 30	26-Mar-22 26-Mar-22	12-Aug-22	04-Apr-22	12-Aug-22 14-May-22	0	Inlet Work Stage 2 - Structure from -7. t5 mPD:to, -6.0 mPD
IW-2680 IW-2700	Inlet Work Stage 2 - Structure from -7.15 mPD to -5.0 mPD Inlet Work Stage 2 - Structure from -5.0 mPD to -2.0 mPD	30 25	26-Mar-22 06-May-22	05-May-22 06-Jun-22	04-Apr-22 16-May-22	14-May-22 14-Jun-22	7	Inlet Work Stage z - Structure Irom -r. to mrUtto-8.0 mrU
IW-2700	Inlet Work Stage 2 - Structure from -3.0 mPD to +1.0 mPD	25	06-iviay-22 07-Jun-22	06-Jul-22 06-Jul-22	15-Jun-22	14-Jul-22	7	Intel Work Stage 2 - Structure from -5.0 mPD to -2.0 mPD
IW-2720	Inlet Work Stage 2 - Structure from +1.0 mPD to +4.0 mPD	25	15-Jul-22	12-Aug-22	15-Jul-22	12-Aug-22	0	Inlet Work Stage 2 - Structure from -2.0 mPD to ∔1.0 mPD Inlet Work Stage 2 - Structure from +1.0 mPD to ∔4.0 mPD
	(+4.0mPD to +18.3mPD)	125	13-Aug-22	12-Jan-23	13-Aug-22	12-Jan-23	0	
IW-2730	Inlet Work - Structure to Roof from +4.0 mPD to +7.0 mPD	25	13-Aug-22	12-Sep-22	13-Aug-22	12-Sep-22	0	Irilet Work Structure to Robf fram +4.0 mPD to +7:0 mPD
IW-2740	Inlet Work - Structure to Roof from +7.0 mPD to +10.0 mPD	25	13-Sep-22	13-Oct-22	13-Sep-22	13-Oct-22	0	Irliet Work: Structure to Roof Irrim:+7.0 mPD to +10.0 mPD
IW-2750	Inlet Work - Structure to Roof from +10.0 mPD to +13.0 mPD	25	14-Oct-22	11-Nov-22	14-Oct-22	11-Nov-22	0	📮 inlet Work : Structure to Poot fram + 10:0 mPD to +13:0 mPD
IW-2760	Inlet Work - Structure to Roof from +13.0 mPD to +16.0 mPD	25	12-Nov-22	10-Dec-22	12-Nov-22	10-Dec-22	0	Inlet Work + Structure to Roof from +13.0 mPD to +16.0 mPD
IW-2770	Inlet Work - Structure to Roof from +16.0 mPD to +18.3 mPD	25	12-Dec-22	12-Jan-23	12-Dec-22	12-Jan-23	0	Intel Work - Structure to Roof from +13.0 mPD to +160 mPD Intel Work - Structure to Roof from +160 mPD to +18(3 mPD
IW ABWF and BS W		300	13-Sep-22	19-Sep-23	04-Mar-23	11-Mar-24	137	
IW-2780	Inlet Work - BS and ABWF Works	300	13-Sep-22	19-Sep-23	04-Mar-23	11-Mar-24	137	Inlet Work- BS and ABWF Works
IW Transformer Hous		227	05-Aug-22	26-Apr-23	20-Oct-22	11-Mar-24	274	
IW-2785	TX House No. 1 - Piling Works (8 nos.)	10	05-Aug-22	16-Aug-22	20-Oct-22	31-Oct-22	62	TX House No. 1 - Piling Works (8 nos.)
IW-2930	TX House No. 1 - ELS Works	14	17-Aug-22	01-Sep-22	30-Jan-23	14-Feb-23	130	TX House No. 1 - ELS Works TX House No. 1 - Structure Gable Tierich at +2.2 mPD to.+4.8 mPD
IW-2790	TX House No. 1 - Structure Cable Trench at +2.2 mPD to +4.8 mPD TX House No. 1 - Structure Base Level from +4.80 mPD to +6.0 mPD	21	03-Sep-22	28-Sep-22	16-Feb-23	11-Mar-23	130 130	TXHbuse No. 1 - Structure Cable Trench at +2.2 mPD to +4.8 mPD
11/1/ 2000	17.1005 NO. 1 - SUUCUIE DASE LEVELIUII +4.80 IIPD 10 +0.0 IIPD	21	29-Sep-22	25-Oct-22	13-Mar-23	06-Apr-23	130	TX:House:No. 1 - Structure Base Level from +4.80 mPD to +6:0 mPD
IW-2800	TX House No. 1 - Structure G/E to Boof from +6.0 mPD to +9.0 mPD	01	26-04 00					
IW-2810	TX House No. 1 - Structure G/F to Roof from +6.0 mPD to +9.0 mPD TX House No. 1 - Structure G/F to Roof from +9.0 mPD to +11.6 mPD	21	26-Oct-22	18-Nov-22 13-Dec-22	11-Apr-23 06-May-23	05-May-23 31-May-23		
IW-2810 IW-2820	TX House No. 1 - Structure G/F to Roof from +9.0 mPD to +11.6 mPD	21 21 30	19-Nov-22	13-Dec-22	06-May-23	31-May-23	130	TX House No. 1 - Structure G/F to Roof from +6.0 mPD to +11.6 mPD     TX House No. 1 - Structure G/F to Roof from +8.0 mPD to +11.6 mPD
IW-2810		21			· ·			TX House No. 1 - Structure G/F to Roof from +6.0 mPD to +11.6 mPD     TX House No. 1 - Structure G/F to Roof from +8.0 mPD to +11.6 mPD
IW-2810 IW-2820 IW-2830	TX House No. 1 - Structure G/F to Roof from +9.0 mPD to +11.6 mPD TX House No. 1 - BS and ABWF	21 30	19-Nov-22 14-Dec-22	13-Dec-22	06-May-23 03-Nov-23	31-May-23	130 258	



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	31-Jul-21	Rev. 4		

	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish		23 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2	Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 G 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7
E&M Works		132	12-Dec-22	31-May-23	12-Dec-22	31-May-23	0		
-1000	IW - Screening / Grit Removal / Inlet Pumping / DOU System / Penstock & Stoplogs	105	12-Dec-22	27-Apr-23	12-Dec-22	27-Apr-23	0	. W ;Screjening /;Grit Removal / Inlet Pumping /;DOU	System / Penstpck & Staplogs
-1010	IW - Lifting Appliance	105	12-Dec-22	27-Apr-23	12-Dec-22	27-Apr-23	0		
-0000	IW - E&M Handover	0	12-Dec-22		12-Dec-22		0		
-1020	IW - Instrumentation	36	03-Apr-23	19-May-23	03-Apr-23	19-May-23	0		
-1030	IW - Electrical Works (Cabling / LCP, Termination)	30	25-Apr-23	31-May-23	25-Apr-23	31-May-23	0	IW - Instrumentation W - Electrical Works (Cabling / LCP, Termination)	
L-1040	IW - BS Installation (ELV, Ventilation, FS, PD)	30	25-Apr-23	31-May-23	25-Apr-23	31-May-23	0	IW - B\$ Installation (ELV. Ventilation, FS, PD)	
L-1110	IW - Installation and Set-Up for SCADA System	14	15-May-23	31-May-23	15-May-23	31-May-23	0	W - B\$ Installation (ELV, Ventilation, FS, PD) W - Installation and Set-Up for SCADA System	
&M T&C		244	01-Jun-23	11-Mar-24	01-Jun-23	11-Mar-24	0		
L-1050	IW - T&C - Equipment SAT (Mechanical Dry Check)	30	01-Jun-23	07-Jul-23	01-Jun-23	07-Jul-23	0	📕 IW -T&C - Equipment SAT (Mechanical Div Che	eck)
L-1060	IW - T&C - Equipment SAT (Functional Dry Check)	30	01-Jun-23	07-Jul-23	01-Jun-23	07-Jul-23	0		
L-1070	IW - T&C - Equipment SAT (Wet / Load Performance Check)	30	01-Jun-23	07-Jul-23	01-Jun-23	07-Jul-23	0	Wy T&C - Equipment SAT Met / Load Perform	x) ance Check) ajmbej toj IW (Penstock Installation c/w T&C)
L-1090	IW - Diversion works from existing bypass chamber to IW (Penstock Installation c/w T&C)	39	08-Jul-23	22-Aug-23	08-Jul-23	22-Aug-23	0		ambor to IW//Panetock/Installation of T2/CV
L-1080	IW - FS Inspection and Fire Certificate	57	23-Aug-23	31-Oct-23	23-Aug-23	31-Oct-23	0	W/ 50 Inspection and Eine Contributed	
L-1100	IW - T&C - Early Commissioning (100,000 m3/d) (KD3)	104	01-Nov-23	11-Mar-24	01-Nov-23	11-Mar-24	0	IW - F3 inspection and the centrate	irig (100/000:m3/d) (KD3)
995	KD3 (11-Mar-24)	0	01110720	11-Mar-24*	0110720	11-Mar-24	0		
Substations No.		1392	01-Jun-21 A	10-Nov-25	12-Oct-21	07-Nov-26	311		
			01-001-21 A		12-00(21		011		
0900	Complete Temporary (Non-MiC) Administration Building	0		22-Jul-21 A		15-Oct-21			· · · · · · · · · · · · · · · · · · ·
1000	Demolition Carpark (28) and Changing Room (27)	14	30-Sep-21*	18-Oct-21	15-Oct-21	30-Oct-21	11	📼 🗖 Demolition Carpark (28) and Changing Room (27)	
missions		69	01-Jun-21 A			18-Oct-21			
-1180	Raft & Structural Design Submission	25	01-Jun-21 A		12-Oct-21	12-Oct-21		Raft & Structural Design Submission	
-1190	GEO Review and Approval	44	02-Jul-21 A	03-Sep-21 A		18-Oct-21		GEO Review and Approval	
ndation		125	16-Jul-21 A	19-Nov-21	12-Oct-21	30-Nov-21	9		
-1210	Predrilling Works	24	16-Jul-21 A	05-Oct-21	12-Oct-21	16-Oct-21	9	Predrilling Works	
-1200	Raft Foundation	57	11-Sep-21 A	19-Nov-21	18-Oct-21	30-Nov-21	9		
Substation No. 1	1	220	20-Nov-21	23-Aug-22	01-Dec-21	06-Oct-22	35	CLP:Substation No.1:-Structure	
-1010	CLP Substation No.1 - Structure	78	20-Nov-21	01-Mar-22	01-Dec-21	11-Mar-22	9	CIPS///bit/dit/on No 1:-Stringture	
-1040	CLP Substation No.1 - BS and ABWF Works	48	07-Mar-22	06-May-22	21-Apr-22	18-Jun-22	35	CLP Substation No.1 - Stockie	
-1070	CLP Substation No.1 - CLP Installation	90	07-May-22	23-Aug-22	20-Jun-22	06-Oct-22	35		
-1090	CLP Substation No.1 - Energization	0	of May 22	23-Aug-22	20 Bull 22	06-Oct-22	35	CLP Substation No.1 - CLP Instalation	
Substation No. 2	-	216	28-Dec-21	23-Sep-22	08-Jan-22	06-Oct-22	9		
-1020	CLP Substation No.2 - Structure	78	28-Dec-21	06-Apr-22	08-Jan-22	20-Apr-22	9	CLP' Substation No.2 - Structure	
-1020		48	07-Apr-22	· · ·		18-Jun-22	9		$, \\ , \\ , \\ , \\ , \\ , \\ , \\ , \\ , \\ , \\$
-1050	CLP Substation No.2 - BS and ABWF Works			08-Jun-22	21-Apr-22		9	CLP, Substation No.2 - B\$ and ABWF Works	
	CLP Substation No.2 - CLP Installation	90	09-Jun-22	23-Sep-22	20-Jun-22	06-Oct-22		CLP Substation No.2 - CLP Installation	
2-1100	CLP Substation No.2 - Energization	0		23-Sep-22		06-Oct-22	9	CLP Substation No.2 - Energization	
P-1140	Section 1 Completion - CLP Substation 1 & 2	0		23-Sep-22		06-Oct-22	9	Section:1 Completion:- CLP Substation 1 & 2	· · · · · · · · · · · · · · · · · · ·
0 11kV Switchgea		917	07-Apr-22	24-May-25	06-May-22	20-Jun-26	316	Section 1 Completion - CLP Substation 1 & 2	
P-1030	DSD11KV Switchgear - Structure	78	07-Apr-22	14-Jul-22	06-May-22	08-Aug-22	21	DSD11KV Switchgeår + Structure	
P-1060	DSD11KV Switchgear - BS and ABWF Works	48	15-Jul-22	08-Sep-22	09-Aug-22	06-Oct-22	21	DSD11KV Swtchgear - BS and ABWF Works	
P-1110	DSD11KV Switchgear - Installation	78	24-Sep-22	28-Dec-22	19-Aug-23	21-Nov-23	263	DSD11KV, Switchgear - Installation	
-1220	DSD11KV Switchgear - Energization	14	29-Dec-22	14-Jan-23	22-Nov-23	07-Dec-23	263	DSD11 KV Switchgear - Energizattion	<u></u>
-1230	Demolition of existing DSD11KV Switchgear (29)	45	27-Mar-25	24-May-25	27-Apr-26	20-Jun-26	316		Demolition of existing D\$D11KV Switchgear (29)
way & Master Me		360	22-Aug-24	10-Nov-25	20-Aug-25	07-Nov-26	292		
-1120	Walkway, Guard House and Education Corridor	180	22-Aug-24	01-Apr-25	20-Aug-25	31-Mar-26	292		Walkway, Guard House and Education Corridor
-1130	Master Meter Room Structure, ABWF, BS & E&M	180	02-Apr-25	10-Nov-25	01-Apr-26	07-Nov-26	292		Master Meter Room Structure, ABWF, BS & E&M
ary Sedimentati	on Tank (PST)	1878	09-Nov-20 A	08-Nov-26	30-Sep-21	08-Nov-26	0		
Stage 1 of Work	S	1045	09-Nov-20 A	11-Mar-24	30-Sep-21	24-Jun-24	90		
-1000	Preparation	44	09-Nov-20 A	31-Dec-20 A	30-Sep-21	30-Sep-21			
-1010	UU Detection	3	22-Feb-21 A	24-Feb-21 A	· ·	30-Sep-21		····	
-1020	Method Statement for Predrilling	1	25-Feb-21 A			30-Sep-21		atement for Predrilling	╶┽╌┞╌┞╴┦╴┩╴┥╌┞╴┝╶╽╴┥╌┞╴┝╶╽╴┥╌┝╶┝╶┤╴┥╴┥╴┥╴┥╴┥╴┥╴┥
-1030	Setting out of Drill Holes	2	26-Feb-21 A			30-Sep-21			
-1040	UU Report	1	01-Mar-21 A			30-Sep-21		· · · · · · · · · · · · · · · · · · ·	
-1050	Site Clearance	6	02-Mar-21 A		· ·	30-Sep-21			
	posed Predrilling for Piling Works	144	10-May-21 A			28-Oct-21		ance	
	ng PST 8 (including Trial Pit Excavation, Level Checking, Core Inspection, SPT)	144	10-May-21 A	-		30-Sep-21			
ST-1090	PD9	144				30-Sep-21 30-Sep-21			· · · · · · · · · · · · · · · · · · ·
ST-1090 ST-1080	PD9 PD6		10-May-21 A	-		30-Sep-21 30-Sep-21			.+-+-+-++++++++++++++++++++++++++++++++
		14	26-May-21 A			· ·		6	
ST-1110	PD12	14	14-Jul-21 A	29-Jul-21 A	· ·	30-Sep-21			
ST-1060	PD4	14	16-Jul-21 A	31-Jul-21 A	· ·	30-Sep-21			
ST-1070	PD7	14	02-Aug-21 A			30-Sep-21		PD7	
ST-1150	PD13 (w/ obstruction) after demolition of PST 7	14	04-Aug-21 A		30-Sep-21	30-Sep-21			
ST-1160	PD14 (w/ obstruction) after demolition of PST 7	14	04-Aug-21 A	-		30-Sep-21		PD14 (w/ obstruction) after demolition of PST 7	
edrilling at Existi		107	11-May-21 A	-		28-Oct-21			
ST-1190	PD8	49	11-May-21 A		· ·	30-Sep-21		PDe	
ST-1140	PD2	14	-	17-Aug-21 A		30-Sep-21		⊨ PD2	
ST-1200	PD10 (w/ obstruction) after demolition of PST 8	14	-	19-Aug-21 A		28-Oct-21		PD10 (w/ obstruction) after demolition of PST 8	
ST-1130	PD11 (w/ obstruction)	14	04-Aug-21 A	19-Aug-21 A	30-Sep-21	30-Sep-21		PD11 (w/ dbstruction)	
Stage 1 - Foundat	tion (At First 3 Tanks, PST 7-8 Footprint)	314	24-Aug-21 A		30-Sep-21	07-Sep-22	6		
T-1175	PST Stage 1 - Site set-up of piling rigs	12	24-Aug-21 A	27-Aug-21 A	30-Sep-21	30-Sep-21		└ <mark>-</mark> PST Stage 1 - Site set-up of piling rigs	
T-1180	PST Stage 1 - Driven H-piles (88 nos. @ ave. 1.5no/d/rig) include site setup	41	28-Aug-21 A	28-Oct-21	30-Sep-21	28-Oct-21	0	PST Stage 1 - Driven Holles (88 pos. 12) ave. 1.5 po/d/rig) include site setup	
T-1170	PST Stage 1 - Sheetpiling (1,561 m2 at 90m2/day)	30	07-Oct-21	11-Nov-21	19-Oct-21	22-Nov-21	9	PST Stage 1 - Sheetpiling (1,561 m2 at 90m2/day)	
ST-1210	PST Stage 1 - H-pile Testing	21	29-Oct-21	22-Nov-21	29-Oct-21	22-Nov-21	0	PST Stage 1 - H-pile Testing	
	DET Stage 1 Monitoring Installation and Dumning Test	01	29-Oct-21	22-Nov-21	29-Oct-21	22-Nov-21	0	PST Stage 1 - Monitoring Installation and Putrping Test	
T-1211	PST Stage 1 - Monitoring Installation and Pumping Test	21	23-001-21	22-1101-21	23-00-21	22-1404-21	U		



Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme Project ID : DWP.DPr6\_210930 Layout : DC201910 DWP rev. Page 12 of 27

	Detailed Works Programme												
	Date	Revision	Checked	Approved									
v.6	30-Sep-21	Rev. 6											
	31-Aug-21	Rev. 5											
	31-Jul-21	Rev. 4											

	Activity Name	Orig	Dur Early	Start	Early Finish	Late Start	Late Finish	Total Float	2024 2025 2026 2027 2027 2027 2027 2027 2027 2027
PST-1230	PST - Marine Sediments Treatment and Disposal	71	) 23-No	w-21	22-Feb-22	17-Jun-22	07-Sep-22	161	242 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
PST-1220	PST Stage 1 - Excavation (+5.8 to +3.8mPD)	2			16-Dec-21	23-Nov-21	16-Dec-21	0	PST Stage 1: Expavalion (+5.8 to +8.8mPD)
PST-3020	PST Stage 1 - Submit to GEO (28d)	23			24-Dec-21	24-Jan-22	03-Mar-22	50	PST Stage 1 - Submit td GEO (28d)
PST-1240	PST Stage 1 - Strut Installation S1 (+3.8mPD)	1:	3 17-De	ec-21	10-Jan-22	14-Jan-22	10-Feb-22	21	PS   Stage 1 - Strut Installation S1 (+3.8mPD)
PST-1250	PST Stage 1 - Excavation (+3.8 to +1.3mPD)	29	9 17-De	ec-21	22-Jan-22	17-Dec-21	22-Jan-22	0	PST Stage 1 - Excavation (+3.8 to +1.3mPD)
PST-1260	PST Stage 1 - Strut Installation S2 (+1.3mPD)	11		n-22	19-Feb-22	11-Feb-22	03-Mar-22	10	➡ PST Stage 1 - Strut Installation S2 (+1.3mPD)
PST-1270	PST Stage 1 - Excavation (+1.3 to -1.05mPD)	2			03-Mar-22	24-Jan-22	03-Mar-22	0	PST Stage 1 - Excavation (+1.3 to +1.05mPD)
EBS-2022	Egrets Breeding Season 2022	18			31-Aug-22	01-Mar-22	31-Aug-22	0	Egrets Breeding Season 2022
	ture (At First 3 Tanks, PST 7-8 Footprint)	16	-		24-Sep-22	04-Mar-22	24-Sep-22	0	
PST-1280	3-Tank Structure from +0.0 mPD to +3.0 mPD	21			02-Apr-22	04-Mar-22	02-Apr-22	0	🧧 3-Tank Structure from +0.0 mPD to +3.0 mPD
PST-1290	3-Tank Structure from +3.0 mPD to +6.0 mPD	29			07-May-22	04-Apr-22	07-May-22	0	3:Tank Structure from #3.0 mPD:to:+6.0 mPD
PST-1300	3-Tank Structure from +6.0 mPD to +9.0 mPD	29			08-Jun-22	10-May-22	08-Jun-22	0	3-Tank Structure from +6.0 mPD to +9.0 mPD
PST-1310	3-Tank Structure from +9.0 mPD to +11.80 mPD	29			08-Jul-22	09-Jun-22	08-Jul-22	0	3-Tank Structure from +6.0 mPD to +9.0 mPD     ■ 3-Tank Structure from +9.0 mPD to +11.80 mPD     ■ 3-Tank Structure from +11.80 mPD Lift 1 (3.2m)     ■ 3-Tank Structure to Roof from +15.0 mPD Lift 2 (3.3m)
PST-1320 PST-1330	3-Tank Structure from +11.80 mPD to +15.0 mPD Lift 1 (3.2m)	2			08-Aug-22 07-Sep-22	09-Jul-22	08-Aug-22 07-Sep-22	0	3/Jank Structure from +11.80 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.0 mPU.toi +15.
PST-1330 PST-1340	3-Tank Structure to Roof from +15.0 mPD to +18.30 mPD Lift 2 (3.3m) Water Retaining Test for New PST Tank No. 1	7		-	16-Sep-22	09-Aug-22 08-Sep-22	16-Sep-22	0	
PST-1350	Water Petaining Test for New PST Tank No. 3	7			16-Sep-22	08-Sep-22	16-Sep-22	0	Water Petaining Test for New:PST Tank No.1 Water Petaining Test for New:PST Tank No.3
PST-1360	Water Petaining Test for New PST Tank No. 2	7			24-Sep-22	17-Sep-22	24-Sep-22	0	Water Fetaining Test for New PST Tank No. 3
PST Stage 1 - ABW F		30			04-Oct-23	16-Jun-23	24-Jun-24	209	🖳 Water Retaining Test for New PST Tank No. 2
PST-1370	PST - BS and ABWF Works at 3 Tanks	30		-	04-Oct-23	16-Jun-23	24-Jun-24	209	PST-BS and ABWF Works at 3 Tanks
	Installation Works at New PST 1,2,3	22		·	07-Jul-23	26-Sep-22	07-Jul-23	0	
ATALPST-3000	PST Stage 1 - Bottom Scrapper / Scum Collection System	14			27-Mar-23	26-Sep-22	27-Mar-23	0	PST Stage 1 -Bottom Scrapper //Scum Collection/System
ATALPST-3010	PST Stage 1 - Lamella / Sludge & Scum Pump / DOU System	14			27-Mar-23	26-Sep-22	27-Mar-23	0	PST Stage 1 -Lamella /Sludge & Scum/Pump / DOU \$ystem
ATALPST-3020	PST Stage 1 - Lifting Appliance	14			27-Mar-23	26-Sep-22	27-Mar-23	0	PST Stage 1 -!! ifting Appliance
ATALPST-3030	PST Stage 1 - Penstock / Stoplogs	14			27-Mar-23	26-Sep-22	27-Mar-23	0	PST Stage 1 - Pénistock / Stoplogs
ATALPST-0000	PST Stage 1 - E&M Handover	C				26-Sep-22		0	S PST Stage 1 - E&M Handover
ATALPST-3040	PST Stage 1 - Instrumentation	34		·	13-May-23	28-Mar-23	13-May-23	0	📫 PST Stage: 1 - Instrumentation
ATALPST-3050	PST Stage 1 - Electrical Works (Cabling / LCP, Termination)	8	) 28-Ma	ar-23	07-Jul-23	28-Mar-23	07-Jul-23	0	PST Stage 1 - Penstrock / Stoplogs PST Stage 1 - Penstrock / Stoplogs PST Stage 1 - E&M Handover PST Stage 1 - Istumentation PST Stage 1 - Electrical Works (Cabling / LCP, Termination)
ATALPST-3060	PST Stage 1 - BS Installation (ELV, Ventilation, FS, PD)	8	) 28-Ma	ar-23	07-Jul-23	28-Mar-23	07-Jul-23	0	
ATALPST-3065	PST Stage 1 - Installation and Set-Up for SCADA System	14	4 20-Ju	n-23	07-Jul-23	20-Jun-23	07-Jul-23	0	P\$T Stage:1 - Installation and Set-Up for SCADA System
	ng and Commissioning at New PST 1,2,3	21		II-23	11-Mar-24	08-Jul-23	11-Mar-24	0	
ATALPST-3070	PST Stage 1 - T&C - Equipment SAT (Mechanical Dry Check)	2	3 08-Ju	II-23	09-Aug-23	08-Jul-23	09-Aug-23	0	PST Stage 1 - T&C - Equipment SAT:Mechanical Div:Check)
ATALPST-3080	PST Stage 1 - T&C - Equipment SAT (Functional Dry Check) linked to TX House POWER ON	4			19-Sep-23	26-Jul-23	19-Sep-23	0	HS1 Stage 1 1&C - Equipment SAI (Fundrional Dry Check) linked to 1X House POWER ON
ATALPST-3090	PST Stage 1 - T&C - Equipment SAT (Wet / Load Performance Check)	4			19-Sep-23	26-Jul-23	19-Sep-23	0	PST Stage 1: -T&C- Equipment SAT (Wet / Load Performance Check)
ATALPST-3100	PST Stage 1 - FS Inspection and Fire Certificate	4:			10-Nov-23	20-Sep-23	10-Nov-23	0	PST Stage 11- FSIInspection and Fire Certificate
ATALPST-3110	PST Stage 1 - T&C - Early Commissioning (54,000 m3/d) (KD3)	6			01-Feb-24	11-Nov-23	01-Feb-24	0	PST Stage 1 + T& C - Early Commissioning (54,000 m3/d) (KD3) + + + + + + + + + + + + + + + + + + +
PKD3	Early Completion KD3	C			01-Feb-24		15-Feb-24	14	Early Completion KD3
CDKD3	KD3	C			11-Mar-24*		11-Mar-24	0	KD3
PST Stage 2 of Wor		17			08-Nov-26	01-Nov-21	08-Nov-26	0	
	redrilling for Piling Works	11			18-Oct-21	11-May-22	21-Jun-22	195	
	isting PST 6 (including Trial Pit Excavation, Level Checking, Core Inspection, SPT)	1			18-Oct-21	06-Jun-22	21-Jun-22	195	⊨ ■ RD1 (w/:obstruction; relocated)
PST-2000	PD1 (w/ obstruction, relocated)	1			18-Oct-21	06-Jun-22	21-Jun-22	195	PDI (w/;obstruction; relocated)
-	isting PST 5 (including Trial Pit Excavation, Level Checking, Core Inspection, SPT)	2			29-Jun-21 A	11-May-22	11-May-22		
PST-2020	PD5	7	04 001		11-Jun-21 A	11-May-22	11-May-22		P8
PST-2010	PD3	14			29-Jun-21 A	11-May-22	11-May-22		P08
	tage 2 (At Remaining 2 Tanks, PST 5-6 Footprint)	28			31-Aug-22	01-Nov-21	07-Sep-22	6 50	PST Stage 2 { Driven Hipites (67 nds. @ ave. 1.5no/d/rig)
PST-2030	PST Stage 2 - Driven H-piles (57 nos. @ ave. 1.5no/d/rig)	3			28-Oct-21 02-Nov-21	11-May-22	07-Jun-22	53 182	PST Stage 2 - Driven' Hipiles' (67 hds. /@ alve. 1.5ho/d/rig)
PST-2061	DCT Change 0. Manifesting lastellation and Dumping Test	0				27-May-22	21-Jun-22	182	🖳 🖳 PST Stage 2: Monitoring Installation and Pumping Test
NIMM 0105	PST Stage 2 - Monitoring Installation and Pumping Test	2				01 Nov 01	21 Mar 00		
NMM-2105	PS 1.105A Noise Mitigation Measures 2021-2022	15	1 01-No	v-21*	31-Mar-22	01-Nov-21	31-Mar-22	0	PS 1:105A Noise Mitigation Measures 2021-2022
PST-2040	PS 1.105A Noise Mitigation Measures 2021-2022 PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)	15	1 01-No 2 12-No	v-21* v-21	31-Mar-22 25-Nov-21	08-Jun-22	21-Jun-22	162	P\$ 1:105A Nolsel Mitigation Méasutes 2021-2022
PST-2040 PST-2060	PS 1.105ANoise Mitigation Measures 2021-2022 PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day) PST Stage 2 - H-pile Testing	15 15 11	1 01-No 2 12-No 3 23-No	v-21* ov-21 ov-21	31-Mar-22 25-Nov-21 13-Dec-21	08-Jun-22 27-Jun-22	21-Jun-22 18-Jul-22	162 169	P\$ 1:105A Nolsel Mitigation Measures 2021-2022  PST Stage 2 - Sheetpling (1:040 m2 at 90m2/day)  PST Stage 2 - H-pile Testing
PST-2040 PST-2060 PST-2050	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m² at 90m²/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)	15 11 11 11 22	1 01-No 2 12-No 3 23-No 2 01-De	v-21* vv-21 vv-21 ec-21	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21	08-Jun-22 27-Jun-22 22-Jun-22	21-Jun-22 18-Jul-22 18-Jul-22	162 169 158	P\$ 1:105A Nolsel Mitigation Measures 2021-2022  PST Stage 2 - Sheetpiling (1:040 m2 at 90m2/day)  PST Stage 2 - Hpile Testing  PST Stage 2 - Excavation (45.8 to +3:8mPD):
PST-2040 PST-2060 PST-2050 PST-3035	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)	15 15 11	1 01-No 2 12-Nc 3 23-Nc 2 01-De 3 14-De	v-21* vv-21 vv-21 ec-21 ec-21	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22	08-Jun-22 27-Jun-22 22-Jun-22 06-Aug-22	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22	162 169 158 185	PS 1:105A Nolsel Mitigation Measures 2021-2022  PST Stage 2 - Sheetpiling (1:040 m2 at 90m2/day)  PST Stage 2 - H-pile Testing  PST Stage 2 - Excavation (+5.8 to +3:8mPD):  PST Stage 2 - Excavation (-5.8 to +3:8mPD):  PST Stage 2 - Submit to GEO (28d)
PST-2040 PST-2060 PST-2050 PST-3035 PST-2070	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)         PST Stage 2 - Strut Installation S1 (+3.8mPD)	15 11 11 22 24 1- 1-	1 01-No 2 12-No 3 23-No 2 01-De 3 14-De 4 11-Ja	v-21* vv-21 vv-21 vv-21 ec-21 ec-21 n-22	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22	08-Jun-22 27-Jun-22 22-Jun-22 06-Aug-22 19-Jul-22	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22	162 169 158 185 148	PS 1:105A Nolsel Mitigation Measures 2D21-2022 PST Stage 2 - Sheetpiling (1(040/m2 at 90m2/day)) PST Stage 2 - H-pile Testing PST Stage 2 - Excavation (-F5.8 to +3:8mPD): PST Stage 2 - Excavation (-F5.8 to +3:8mPD): PST Stage 2 - Study Installation S1 (+3.8mPD): PST Stage 2 - Study Installation S1 (+3.8mPD):
PST-2040 PST-2060 PST-2050 PST-3035 PST-2070 PST-2080	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)	15 11 11 22 24 1- 1- 22 24 24 24 24 24 24 24 24 24 24 24 24	1 01-No 2 12-No 3 23-No 2 01-De 3 14-De 4 11-Ja 2 11-Ja	v-21* vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vc-21 vc-21 vc-21 vc-21 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22 vc-22	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 11-Feb-22	08-Jun-22 27-Jun-22 22-Jun-22 06-Aug-22 19-Jul-22 19-Jul-22	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22	162 169 158 185 148 148	PS 1: 105A Nolsel Mitigation Measures 2D21-2022 PST Stage 2 - Sheetpling (1),040 m2 at 90m2/day) PST Stage 2 - Holie Testing PST Stage 2 - Excavation (+5.8 to +3:8mPD); PST Stage 2 - Excavation (+5.8 to +3:8mPD); PST Stage 2 - Stud Installation S1 (+3:8mPD) PST Stage 2 - Stud Installation S1 (+3:8mPD); PST Stage 2 - Excavation (+3:8 to +1:3mPD); PST Stage 2 - Excavation (+3:8 to +1:3mPD);
PST-2040 PST-2060 PST-2050 PST-3035 PST-2070 PST-2080 PST-2090	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)	15 12 11 22 24 11 12 24 12 12 12 11 12 11	1 01-No 2 12-No 3 23-No 2 01-De 3 14-De 4 11-Ja 2 11-Ja 4 12-Fe	v-21* vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 11-Feb-22 28-Feb-22	08-Jun-22 27-Jun-22 22-Jun-22 06-Aug-22 19-Jul-22 19-Jul-22 23-Aug-22	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22 07-Sep-22	162 169 158 185 148 148 156	PST Stage 2 - Sheetpiling (1(040 m2 at 90m2/day))  PST Stage 2 - Sheetpiling (1(040 m2 at 90m2/day))  PST Stage 2 - Excavation (+5.8 to +3.8mPD))  PST Stage 2 - Excavation (+5.8 to +3.8mPD))  PST Stage 2 - Submit to GE0 (28d))  PST Stage 2 - Strut Installation S1 (+3.8mPD)  PST Stage 2 - Strut Installation S2 (+1.3mPD)  PST Stage 2 - Strut Installation S2 (+1.3mPD)  PST Stage 2 - Strut Installation S2 (+1.3mPD)  PST Stage 2 - Strut Installation S2 (+1.3mPD)  PST Stage 2 - Strut Installation S2 (+1.3mPD)
PST-2040 PST-2060 PST-2050 PST-3035 PST-2070 PST-2080 PST-2090 PST-2100	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)         PST Stage 2 - Studie (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)         PST Stage 2 - Studie (+3.8 to +1.3mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         PST Stage 2 - Excavation (+1.3 to -1.05mPD)	15 12 11 22 24 11 22 11 22 11 22 11 22 24 12 24 24 24 24 24 24 24 24 24 24 24 24 24	1 01-No 2 12-No 3 23-No 2 01-De 8 14-De 4 11-Ja 2 11-Ja 4 12-Fe 2 12-Fe	v-21* vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21	31-Mar-22         25-Nov-21         13-Dec-21         28-Dec-21         18-Jan-22         26-Jan-22         21-Feb-22         28-Feb-22         09-Mar-22	08-Jun-22 27-Jun-22 22-Jun-22 06-Aug-22 19-Jul-22 19-Jul-22 23-Aug-22 13-Aug-22	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22 07-Sep-22 07-Sep-22	162 169 158 185 148 148	P\$ 1: 105A Nolse Miligation Measures 2021-2022         PST Stage 2 - Sheetphiling (1)040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3:8mPD):         PST Stage 2 - Excavation (+5.8 to +3:8mPD):         PST Stage 2 - Shut Installation S1 (+3.8mPD):         PST Stage 2 - Excavation (+3.8 to +1.3mPD):         PST Stage 2 - Excavation (+3.8 to +1.3mPD):         PST Stage 2 - Shut Installation S2 (+1.3mPD):
PST-2040 PST-2060 PST-2050 PST-3035 PST-2070 PST-2080 PST-2090 PST-2100 EBS-2115	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Stude 1 (+3.8mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)	15 12 11 22 24 11 12 24 12 12 12 11 12 11	1         01-No           2         12-No           3         23-No           2         01-De           8         14-De           4         11-Ja           2         11-Ja           4         12-Fe           2         12-Fe           4         01-Ma	v-21* vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 11-Feb-22 28-Feb-22	08-Jun-22 27-Jun-22 22-Jun-22 06-Aug-22 19-Jul-22 19-Jul-22 23-Aug-22	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22 07-Sep-22	162 169 158 185 148 148 156 148	P\$ 1: 105A Nolse Mitigation Measures 2021-2022         PST Stage 2 - Sheetphiling (1) 040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3:8mPD):         PST Stage 2 - Excavation (+5.8 to +3:8mPD):         PST Stage 2 - Shut Installation S1 (+3.8mPD).         PST Stage 2 - Excavation (+3.8 to +1.3mPD).         PST Stage 2 - Excavation (+3.8 to +1.3mPD).         PST Stage 2 - Excavation (+3.8 to +1.3mPD).         PST Stage 2 - Shut Installation S2 (+1.3mPD).         PST Stage 2 - Stud Installation S2 (+1.3mPD).         PST Stage 2 - Stud Installation S2 (+1.3mPD).         PST Stage 2 - Excavation (+3.8 to +1.3mPD).
PST-2040 PST-2060 PST-2050 PST-3035 PST-2070 PST-2080 PST-2090 PST-2100 EBS-2115	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Excavation (+1.3 to -1.05mPD)         PST Stage 2 - Excavation (+1.3 to -1.05mPD)         Egrets Breeding Season 2022	15 12 11 22 24 11 22 11 22 11 22 11 12 12 12 12 12 12	1         01-No           2         12-Nc           3         23-Nc           2         01-De           3         14-De           4         11-Ja           2         11-Ja           4         12-Fe           2         12-Fe           4         01-Ma           59         08-Se	v-21* vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 11-Feb-22 28-Feb-22 09-Mar-22 31-Aug-22	08-Jun-22 27-Jun-22 22-Jun-22 06-Aug-22 19-Jul-22 19-Jul-22 23-Aug-22 13-Aug-22 01-Mar-22	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22 07-Sep-22 07-Sep-22 31-Aug-22	162 169 158 185 148 148 156 148	P\$ 1: 105A Nolse Mitigation Measures 2021-2022         PST Stage 2 - Sheetphiling (1) 040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3:8mPD):         PST Stage 2 - Excavation (+5.8 to +3:8mPD):         PST Stage 2 - Shut Installation S1 (+3.8mPD).         PST Stage 2 - Excavation (+3.8 to +1.3mPD).         PST Stage 2 - Excavation (+3.8 to +1.3mPD).         PST Stage 2 - Excavation (+3.8 to +1.3mPD).         PST Stage 2 - Shut Installation S2 (+1.3mPD).         PST Stage 2 - Stud Installation S2 (+1.3mPD).         PST Stage 2 - Stud Installation S2 (+1.3mPD).         PST Stage 2 - Excavation (+3.8 to +1.3mPD).
PST-2040 PST-2060 PST-2050 PST-3035 PST-2070 PST-2080 PST-2090 PST-2090 PST-2100 EBS-2115 PST Stage 2 - Struct	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Excavation (+1.3 to +1.3mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         PST Stage 2 - Excavation (+1.3 to -1.05mPD)         Egrets Breeding Season 2022         ture (At Remaining 2 Tanks,PST 5-6 Footprint)	15 11 11 22 21 11 22 11 12 12 12 12 12 12	1         01-No           2         12-Nc           3         23-Nc           2         01-De           3         14-De           4         11-Ja           2         11-Ja           4         12-Fe           2         12-Fe           4         01-Mz           59         08-Se           4         08-Se	v-21* v-21 v-21 v-21 v-21 v-21 v-21 v-21 v-21	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 11-Feb-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26	08-Jun-22 27-Jun-22 22-Jun-22 06-Aug-22 19-Jul-22 23-Aug-22 13-Aug-22 01-Mar-22 08-Sep-22	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22 07-Sep-22 07-Sep-22 31-Aug-22 05-Feb-26	162 169 158 185 148 148 156 148 0 0	PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) PST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) EST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) EST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) EST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) EST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) EST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) EST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) EST Stage 2 - Sheetpiling (1)040 m2 at 90m2/m2 at 90m2/day) EST Stage 2 - Sheetpiling (1)040 m2 at 90m2/day) EST Stage 2 - Sheetpiling (1)040 m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/m2 at 90m2/
PST-2040 PST-2060 PST-2050 PST-3035 PST-2070 PST-2080 PST-2090 PST-2100 EBS-2115 PST Stage 2 - Struct PST-2110	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Studin to GEO (28d)         PST Stage 2 - Studin to GEO (28d)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         PST Stage 2 - Excavation (+1.3 to -1.05mPD)         Egrets Breeding Season 2022         ture (At Remaining 2 Tanks,PST 5-6 Footprint)         2-Tank Structure from +0.0 mPD to +3.0 mPD	15 11 11 22 23 1 1 1 22 1 1 1 2 2 1 1 1 1	1         01-No           2         12-No           3         23-No           2         01-De           3         14-De           4         11-Ja           2         11-Ja           4         12-Fe           2         12-Fe           4         01-Ma           69         08-Se           1         08-Se           1         06-Oc	v-21* v-21 v-21 v-21 v-21 v-21 v-21 v-21 v-22 v-22	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22	08-Jun-22 27-Jun-22 22-Jun-22 06-Aug-22 19-Jul-22 23-Aug-22 13-Aug-22 01-Mar-22 08-Sep-22 08-Sep-22	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22 07-Sep-22 07-Sep-22 07-Sep-22 05-Feb-26 05-Oct-22	162 169 158 185 148 148 156 148 0 0 0 0	PST Stage 2 - Sheetpiling (1040 m2 at 90m2/day)  PST Stage 2 - Sheetpiling (1040 m2 at 90m2/day)  PST Stage 2 - Excavation (+5.8 to +3.8mPD):  PST Stage 2 - Excavation (+5.8 to +3.8mPD):  PST Stage 2 - Shut Installation S1 (+3.8mPD):  PST Stage 2 - Shut Installation S1 (+3.8mPD):  PST Stage 2 - Shut Installation S1 (+3.8mPD):  PST Stage 2 - Shut Installation S2 (+1.3mPD):  PST Stage 2 - Shut Installation S2 (+1.3mPD):  PST Stage 2 - Shut Installation S2 (+1.3mPD):  PST Stage 2 - Shut Installation S2 (+1.3mPD):  PST Stage 2 - Shut Installation S2 (+1.3mPD):  PST Stage 2 - Shut Installation S2 (+1.3mPD):  PST Stage 2 - Shut Installation S2 (+1.3mPD):  PST Stage 2 - Shut Installation S2 (+1.3mPD):  PST Stage 2 - Shut Installation S2 (+1.3mPD):  PST Stage 2 - Shut Installation S2 (+1.3mPD):  PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST Stage 2 - Shut Installation S2 (+1.3mPD): PST S
PST-2040 PST-2060 PST-2050 PST-2070 PST-2070 PST-2080 PST-2090 PST-2100 EBS-2115 PST Stage 2 - Struct PST-2110 PST-2120	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         PST Stage 2 - Excavation (+1.3 to -1.05mPD)         Egrets Breeding Season 2022         ture (At Remaining 2 Tanks,PST 5-6 Footprint)         2-Tank Structure from +0.0 mPD to +3.0 mPD         2-Tank Structure from +3.0 mPD to +6.0 mPD	15 11 11 22 23 24 11 12 24 14 24 15 16 10 22 2 2 2	1         01-No           2         12-Nc           3         23-Nc           2         01-Dc           3         14-Dc           4         11-Ja           2         11-Ja           4         12-Fe           2         12-Fe           2         12-Fe           3         08-Se           1         08-Se           1         08-Se           1         06-Oc           1         31-Oc	v-21* v-21 v-21 v-21 v-21 v-21 v-21 v-21 v-22 v-22	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22	08-Jun-22 27-Jun-22 22-Jun-22 06-Aug-22 19-Jul-22 19-Jul-22 23-Aug-22 13-Aug-22 01-Mar-22 08-Sep-22 06-Oct-22	21-Jun-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22 07-Sep-22 07-Sep-22 07-Sep-22 31-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22	162 169 158 185 148 148 156 148 0 0 0 0 0 0	PS 1: 105A Nolse Mitigation Measures 2D21-2022         PST Stage 2 - Sheetphiling (1) 040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD):         PST Stage 2 - Excavation (+5.8 to +3.8mPD):         PST Stage 2 - Strut Installation S1 (+3.8mPD).         PST Stage 2 - Strut Installation S1 (+3.8mPD).         PST Stage 2 - Strut Installation S1 (+3.8mPD).         PST Stage 2 - Strut Installation S2 (+1.3mPD).         PST Stage
PST-2040 PST-2060 PST-2050 PST-3035 PST-2070 PST-2080 PST-2090 PST-2100 EBS-2115 <b>PST Stage 2 - Struct</b> PST-2110 PST-2120 PST-2130	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         PST Stage 2 - Excavation (+1.3 to +1.3mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         PST Stage 2 - Excavation (+1.3 to +1.05mPD)         PST Stage 2 - Excavation (+1.3 to -1.05mPD)         Egrets Breeding Season 2022         ture (At Remaining 2 Tanks, PST 5-6 Footprint)         2-Tank Structure from +0.0 mPD to +3.0 mPD         2-Tank Structure from +3.0 mPD to +6.0 mPD         2-Tank Structure from +60 mPD to +9.0 mPD	15 11 11 22 22 23 11 12 24 14 12 14 10 22 22 22 22 22 22	1         01-No           2         12-Nc           3         23-Nc           2         01-Dc           3         14-Dc           4         11-Ja           2         11-Ja           4         12-Fe           2         12-Fe           4         01-Mc           59         08-Se           1         06-Oc           1         31-Oc           1         24-Nc	v-21* v-21 v-21 v-21 v-21 v-21 v-21 v-21 v-22 v-22	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22 23-Nov-22	08-Jun-22 27-Jun-22 22-Jun-22 19-Jul-22 19-Jul-22 23-Aug-22 13-Aug-22 01-Mar-22 08-Sep-22 06-Oct-22 31-Oct-22	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22 07-Sep-22 07-Sep-22 31-Aug-22 31-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22 23-Nov-22	162 169 158 185 148 148 148 148 156 148 0 0 0 0 0 0 0 0	PS 1: 105A Nolse Miligation Measures 2021-2022         PST Stage 2 - Sheetphiling (1) 040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3:8mPD):         PST Stage 2 - Excavation (+5.8 to +3:8mPD):         PST Stage 2 - Strut Installation S1 (+3.8mPD).         PST Stage 2 - Strut Installation S1 (+3.8mPD).         PST Stage 2 - Excavation (+3.8 to +1.3mPD).         PST Stage 2 - Strut Installation S2 (+1.3mPD).         PST Stage 2 -
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Shubmi</td>	1         01-No           2         12-Nc           3         23-Nc           2         01-Dc           3         14-Dc           4         11-Ja           2         11-Ja           2         12-Fe           4         01-Mc           59         08-Se           1         08-Se           1         06-Oc           1         31-Oc           1         24-Nc           1         19-Dc           1         16-Ja           3         16-Fe	v-21* vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 28-Feb-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 15-Feb-23	08-Jun-22 27-Jun-22 06-Aug-22 19-Jul-22 23-Aug-22 13-Aug-22 01-Mar-22 08-Sep-22 08-Sep-22 06-Oct-22 31-Oct-22 24-Nov-22 19-Dec-22 16-Jan-23	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22 07-Sep-22 07-Sep-22 31-Aug-22 05-Feb-26 05-Ct-22 23-Nov-22 17-Dec-22 14-Jan-23 15-Feb-23	162 169 158 185 148 148 148 148 156 148 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PST Stage 2 - 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Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - Shubmito GEO (28d)  PST Stage 2 - 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PST-2040 PST-2060 PST-2050 PST-2070 PST-2070 PST-2080 PST-2100 EBS-2115 <b>PST Stage 2 - Struct</b> PST-2120 PST-2120 PST-2130 PST-2130 PST-2140 PST-2150 PST-2160 PST-2170	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Submit to GEO (28d)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         PST Stage 2 - Excavation (+1.3 to +1.3mPD)         PST Stage 2 - Excavation (+1.3 to -1.05mPD)         Egrets Breeding Season 2022         ture (At Remaining 2 Tanks,PST 5-6 Footprint)         2-Tank Structure from +0.0 mPD to +3.0 mPD         2-Tank Structure from +0.0 mPD to +0.0 mPD         2-Tank Structure from +0.0 mPD to +0.0 mPD         2-Tank Structure from +0.0 mPD to +10.80 mPD         2-Tank Structure from +11.80 mPD to +11.80 mPD         2-Tank Structure from +11.80 mPD to +13.0 mPD Lift 1 (3.2m)         2-Tank Structure from +15.0 mPD to +18.30 mPD Lift 2 (3.3m)         Water Petaining Test for New PST Tank No. 4	15         11         11         12         22         11         22         11         22         11         22         12         11         22         12         13         10         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2	1         01-No           2         12-No           3         23-No           2         01-De           3         14-De           4         11-Ja           2         11-Ja           2         11-Ja           2         12-Fe           4         01-Ma           59         08-Se           1         08-Se           1         06-Oo           1         24-No           1         19-De           1         16-Ja           3         16-Fe           3         03-Ma	v-21* v-21 v-21 v-21 v-21 v-21 v-21 v-21 v-21	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 11-Feb-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 15-Feb-23 02-Mar-23	08-Jun-22 27-Jun-22 06-Aug-22 19-Jul-22 23-Aug-22 13-Aug-22 01-Mar-22 08-Sep-22 06-Oct-22 31-Oct-22 24-Nov-22 19-Dec-22 16-Jan-23 16-Feb-23	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22 07-Sep-22 07-Sep-22 31-Aug-22 05-Feb-26 05-Cct-22 23-Nov-22 17-Dec-22 14-Jan-23 15-Feb-23 02-Mar-23	162 169 158 185 148 148 148 148 0 0 0 0 0 0 0 0 0 0 0 0 0	PST Stage 2 - Sheetpiling (1)040.m2 at 90m2/day)  PST Stage 2 - Sheetpiling (1)040.m2 at 90m2/day)  PST Stage 2 - Excavation (+5.8 to +3.8mPD):  PST Stage 2 - Excavation (+5.8 to +3.8mPD):  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  PST Stage 2 - Shubmito (EC (28d))  P
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BS and ABWF Works at 2 Tanks         Installation Works at New PST 4,5         PST Task 2 - Bottom Scrapper / Scum Collection System	15         11         11         12         11         12         11         12         11         12         11         12         11         12         11         12         11         12         12         13         14         10         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2 </td <td>1         01-No           2         12-Nc           3         23-Nc           2         01-Dc           3         14-Dc           4         11-Ja           2         11-Ja           4         12-Fe           2         12-Fe           2         12-Fe           2         12-Fe           3         08-Se           1         08-Se           1         08-Se           1         06-Oc           1         31-Oc           1         24-Nc           1         19-Dc           1         16-Ja           3         16-Fe           3         03-Mi           9         18-Mi           7         18-Mi</td> <td>v-21* v-21 v-21 v-21 v-21 v-21 v-21 v-21 v-21</td> <td>31-Mar-22 25-Nov-21 13-Dec-21 18-Jan-22 26-Jan-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 15-Feb-23 17-Mar-23 05-Feb-26* 21-Oct-23 21-Oct-23 22-Sep-23 06-Jul-23</td> <td>08-Jun-22 27-Jun-22 22-Jun-22 19-Jul-22 19-Jul-22 23-Aug-22 13-Aug-22 01-Mar-22 08-Sep-22 06-Oct-22 31-Oct-22 24-Nov-22 19-Dec-22 16-Jan-23 16-Feb-23 03- 16-Jun-23 16-Jun-23 16-Jun-23 18-Mar-23</td> <td>21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 11-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 15-Feb-26 02-Mar-23 02-Mar-23 05-Feb-26 20-Jan-24 20-Jan-24 06-Oct-23 06-Jul-23</td> <td>162           169           158           185           148           156           148           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0</td> <td>PS1:105A Noise Mitigation Measures 2021-2022         PST Stage 2 - 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Sheetpring (11040/m2 at 90/m2/day)         PST Stage 2 - Shull Installation St (-3.8mPD)         PST Stage 2 - Shull Installation St (-3.8mPD)         PST Stage 2 - Shull Installation St (-3.8mPD)         PST Stage 2 - Shull Installation St (-3.8mPD)         PST Stage 2 - Shull Installation St (-3.8mPD)         PST Stage 2 - Shull Installation St (-3.8mPD)         PST Stage 2 - Shull Installation St (-3.8mPD)         PST Stage 2 - Shull Installation St (-1.3mPD)         PST Stage 2 - Shull Installation St (-3.8mPD)         PST Stage 2 - Shull Installation St (-1.3mPD)         PST Stage 2 - Shull Installation St (-3.8mPD)         PST Stage 2 -
PST-2040 PST-2050 PST-2050 PST-2070 PST-2070 PST-2090 PST-2090 PST-2100 EBS-2115 <b>PST Stage 2 - Struct</b> PST-2120 PST-2120 PST-2130 PST-2140 PST-2150 PST-2160 PST-2170 PST-2180 CDKD6 <b>PST Stage 2 - ABWF</b> PST-2180 <b>PST Stage 2 - ABWF</b> PST-2190 <b>PST Stage 2 - ABWF</b> PST-2190 <b>PST Stage 2 - ABWF</b> PST-2190 <b>PST Stage 2 - ABWF</b> PST-2190 <b>PST Stage 2 - ABWF</b> PST-2190 <b>PST Stage 2 - ABWF</b>	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         PST Stage 2 - Excavation (+1.3 to +1.3mPD)         PST Stage 2 - Excavation (+1.3 to +1.05mPD)         PST Stage 2 - Excavation (+1.3 to -1.05mPD)         Egrets Breeding Season 2022         ture (At Remaining 2 Tanks, PST 5-6 Footprint)         2-Tank Structure from +0.0 mPD to +3.0 mPD         2-Tank Structure from +0.0 mPD to +0.0 mPD         2-Tank Structure from +0.0 mPD to +0.0 mPD         2-Tank Structure from +0.0 mPD to +10.0 mPD         2-Tank Structure from +1.0 mPD to +10.0 mPD         2-Tank Structure from +0.0 mPD to +10.0 mPD         2-Tank Structure from +1.0 mPD to +10.0 mPD         2-Tank Structure from +11.80 mPD to +11.80 mPD         2-Tank Structure from +15.0 mPD to +18.30 mPD Lift 1 (3.2m)         2-Tank Structure from +15.0 mPD to +18.30 mPD Lift 2 (3.3m)         Water Petaining Test for New PST Tank No. 4         Water Petaining Test for New PST Tank No. 5         KD6         F8 BS Works         PST - BS and ABWF Works at 2 Tanks	15         11         11         12         21         22         11         22         11         22         11         22         12         11         22         12         10         22         22         22         22         22         22         22         22         22         23         24         25         26         27         28         29         21         22         22         22         22         22         22         22         22         22         23         24         25         26         27         28         29         21         22         23         24         25	1         01-No           2         12-Nc           3         23-Nc           2         01-Dc           3         14-Dc           4         11-Ja           2         11-Ja           2         11-Ja           2         12-Fe           4         01-Mc           59         08-Se           1         08-Se           1         06-Oc           1         31-Oc           1         16-Ja           3         16-Fe           3         03-Mc           0         15-Mi           0         15-Mi           9         18-Mi           7         18-Mi           7         18-Mi	v-21* v-21 v-21 v-21 v-21 v-21 v-21 v-21 v-21	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 15-Feb-23 17-Mar-23 05-Feb-26* 21-Oct-23 21-Oct-23 21-Oct-23 21-Oct-23 22-Sep-23	08-Jun-22 27-Jun-22 22-Jun-22 19-Jul-22 19-Jul-22 19-Jul-22 23-Aug-22 13-Aug-22 01-Mar-22 08-Sep-22 06-Oct-22 31-Oct-22 24-Nov-22 19-Dec-22 16-Jan-23 16-Feb-23 03-Mar-23 16-Jun-23 16-Jun-23 18-Mar-23	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 05-Feb-26 05-Cct-22 29-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 15-Feb-26 02-Mar-23 05-Feb-26 20-Jan-24 06-Oct-23 06-Jul-23 06-Jul-23	162           169           158           185           148           148           156           148           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0	PS 1: 105A Noise Mitigation Measures 2021-2022 PST Stage 2: Sheetpiling(11)040/m2 at 90m2/day) PST Stage 2: Short Iostaliation S1 (+3.8mPD) PST Stage 2: Short Iostaliation S1 (+3.8mPD) PST Stage 2: Short Iostaliation S1 (+3.8mPD) PST Stage 2: Excavation (+3.8 to +3.8mPD) PST Stage 2: Excavation (+3.8 to +3.8mPD) PST Stage 2: Excavation (+3.8 to +3.8mPD) PST Stage 2: Excavation (+3.8 to +1.3mPD) PST Stage 2: Excavation (+3.8 to +1.3mPD) PST Stage 2: Excavation (+3.8 to +1.3mPD) PST Stage 2: Excavation (+3.8 to +1.3mPD) PST Stage 2: Excavation (+1.3 to -1.05mPD) Egrets Breeding, Season 2022 Egrets Breeding, Season 2022 Egrets Breeding, Season 2022 2: Tank Structure from +0.0 mPD to +6.0 mPD 2: Tank Structure from +0.0 mPD to +6.0 mPD 2: Tank Structure from +0.0 mPD to +1.3 mPD 2: Tank Structure from +0.0 mPD to +1.3 mPD 2: Tank Structure from +0.0 mPD to +1.3 mPD 2: Tank Structure from +0.0 mPD to +1.3 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 2: Tank Structure from +0.0 mPD to +1.6 mPD 3: Tank Structure from +0.0 mPD to +1.6 mPD 4: Tank Structure from +0.0 mPD to +1.6 mPD 4: Tank Structure from +0.0 mPD to +1.6 mPD 4: Tank Structure from +0.0 mPD to +1.6 mPD 4: Tank Structure from +0.0 mPD to +1.6 mPD 4: Tank Structure from +0.0 mPD to +1.6 mPD 4: Tank Structure from +0.0 mPD to +1.6 mPD 4: Tank Structure from +0.0 mPD to +1.6 mPD 4: Tank Structure from +0.0 mPD to +1.6 mPD 4: Tank Structure from +0.
PST-2040 PST-2050 PST-2050 PST-2070 PST-2070 PST-2090 PST-2100 EBS-2115 <b>SST Stage 2 - Struct</b> PST-2120 PST-2130 PST-2130 PST-2140 PST-2150 PST-2160 PST-2160 PST-2170 PST-2180 CDKD6 <b>SST Stage 2 - ABWF</b> PST-2190 <b>PST-2190</b>	PS 1.105A Noise Mitigation Measures 2021-2022         PST Stage 2 - Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Sturt Installation S1 (+3.8mPD)         PST Stage 2 - Sturt Installation S1 (+3.8mPD)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         PST Stage 2 - Excavation (+1.3 to 1-05mPD)         Egrets Breeding Season 2022         ttree (At Remaining 2 Tanks, PST 5-6 Footprint)         2-Tank Structure from +0.0 mPD to +3.0 mPD         2-Tank Structure from +0.0 mPD to +0.0 mPD         2-Tank Structure from +0.0 mPD to +11.80 mPD         2-Tank Structure from +11.80 mPD to +15.0 mPD Lift 1 (3.2m)         2-Tank Structure from +11.80 mPD to +15.0 mPD Lift 2 (3.3m)         Water Petaining Test for New PST Tank No. 4         Water Petaining Test for New PST Tank No. 5         KD6         F&BS Works         PST - BS and ABWF Works at 2 Tanks         Installation Works at New PST 4,5         PST Task 2 - Bottom Scrapper / Scum Collection System	15         11         11         12         21         11         22         11         22         11         22         12         13         10         22         22         22         22         22         22         22         22         22         22         22         22         23         24         25         26         27         28         29         21         22         22         22         22         22         22         22         22         23         24         25         26         27         28         29         21         22         23         24         25         26	1         01-No           2         12-No           3         23-No           2         01-De           3         14-De           4         11-Ja           2         11-Ja           2         11-Ja           2         12-Fe           4         01-Ma           59         08-Se           1         08-Se           1         06-OO           1         24-No           1         19-De           1         16-Ja           3         16-Fe           3         03-Mi           0         15-Mi           0         18-Mi           7         18-Mi           7         18-Mi           7         18-Mi	v-21* vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-21 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 vv-22 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to +3.8mPD)         PST Stage 2 - Strut Installation S1 (+3.8mPD)         PST Stage 2 - Excavation (+1.3 to +1.3mPD)         PST Stage 2 - Strut Installation S2 (+1.3mPD)         2-Tank Structure from +0.0 mPD to +0.0 mPD         2-Tank Structure from +0.0 mPD to +0.0 mPD         2-Tank Structure from +11.80 mPD to +11.80 mPD         2-Tank Structure from +11.80 mPD to +11.80 mPD         2-Tank Structure from +11.80 mPD to +18.0 mPD Lift 2 (3.3m)         Water Petaining Test for New PST Tank No. 4         Water Petaining Test for Ne	15         11         11         12         21         11         22         11         22         11         22         12         11         22         12         13         10         22         22         22         22         22         22         22         22         22         23         24         25         26         27         28         29         20         21         22         22         22         22         22         22         22         22         23         24         25         26         27         28         11         12         13         14         15         16	1         01-No           2         12-No           3         23-No           2         01-Do           3         14-Do           4         11-Ja           2         11-Ja           4         12-Fe           4         01-Ma           59         08-Se           1         08-Se           1         09           1         19-Do           1         16-Fe           3         16-Fe           3         16-Fe           3         16-Fe           3         16-Fe           3         16-Fe           3         16-Fe           3         16-Fe           3         16-Fe           3         16-Fe           3         16-Fe           3         16-Fe           3         16-Fe           4         12-Ma           9         18-Ma           7         18-Ma           7         18-Ma           7         18-Ma           7         18-Ma	v-21*       vv-21       vv-21       vc-21       vc-21       vc-21       vc-21       vc-21       vc-22       vc-22       vc-22       vc-22       vc-22       vc-22       vc-23       vc-22       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23       vc-23 <t< td=""><td>31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 11-Feb-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 23-Nov-22 14-Jan-23 15-Feb-26 02-Mar-23 15-Feb-26 21-Oct-23 28-Sep-23 06-Jul-23 06-Jul-23</td><td>08-Jun-22 27-Jun-22 22-Jun-22 19-Jul-22 19-Jul-22 19-Jul-22 13-Aug-22 08-Sep-22 08-Sep-22 08-Sep-22 06-Oct-22 19-Dec-22 16-Jun-23 16-Feb-23 03-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23</td><td>21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 05-Feb-26 05-Cct-22 29-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 15-Feb-26 02-Mar-23 05-Feb-26 20-Jan-24 06-Oct-23 06-Jul-23 06-Jul-23</td><td>162           169           158           185           148           148           156           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0</td><td>PS 1:105A Noise Mitigation Measures 2021-2022 PST Stage 2: Scheetpining (1:040.m2 at 90m2/day) PST Stage 2: Excavation (+5.8 to 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2-Tank Structure from +3.0 mPD to +0.0 mPD         2-Tank Structure from +1.0 mPD to +11.80 mPD         2-Tank Structure from +1.5.0 mPD to +11.80 mPD         2-Tank Structure from +1.5.0 mPD to +11.80 mPD Lift 1 (3.2m)         2-Tank Structure from +1.5.0 mPD to +11.80 mPD Lift 2 (3.3m)         Water Petaining Test for New PST Tank No. 4         Water Petaining Test for New PST Tank No. 5         KD6         F8 & BS Works       PST - BS and ABWF Works at 2 Tanks         Installation Works at New PST 4,5       PST Stage 2 - Bottom Scrapper / Scum Collection System         PST Stage 2 - Lifting Appliance       PSU Stage 2 - Lifting Appliance	15         11         11         12         21         11         22         11         22         11         22         12         13         10         22         22         22         22         22         22         22         22         22         22         22         22         23         24         25         26         27         28         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      18-Ma           7         18-Ma           7         18-Ma	v-21*           vv-21           vv-21           vv-21           vc-21           vc-21           vc-21           vc-21           vc-21           vc-21           vc-21           vc-22           vc-22           vc-22           vc-22           vc-22           vc-22           vc-22           vc-22           vc-22           vc-22           vc-22           vc-23           ar-23           ar-23           ar-23           ar-23           ar-23           ar-23           ar-23           ar-23           ar-23	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 11-Feb-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 05-Feb-26* 21-Oct-23 21-Oct-23 28-Sep-23 06-Jul-23 06-Jul-23	08-Jun-22 27-Jun-22 06-Aug-22 19-Jul-22 23-Aug-22 19-Jul-22 23-Aug-22 01-Mar-22 08-Sep-22 08-Sep-22 08-Sep-22 08-Sep-22 06-Oct-22 24-Nov-22 16-Jan-23 16-Feb-23 03-Mar-23 16-Jun-23 18-Mar-23 18-Mar-23 18-Mar-23 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Sheetpiling (1,040 m2 at 90m2/day)         PST Stage 2 - H-pile Testing         PST Stage 2 - Excavation (+5.8 to +3.8mPD)         PST Stage 2 - Sturt Installation S1 (+3.8mPD)         PST Stage 2 - Sturt Installation S1 (+3.8mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Excavation (+3.8 to +1.3mPD)         PST Stage 2 - Excavation (+1.3 to -1.05mPD)         Egrets Breeding Season 2022         ture (At Remaining 2 Tanks,PST 5-6 Footprint)         2-Tank Structure from +0.0 mPD to +3.0 mPD         2-Tank Structure from +0.0 mPD to +6.0 mPD         2-Tank Structure from +3.0 mPD to +6.0 mPD         2-Tank Structure from +11.80 mPD to +11.80 mPD         2-Tank Structure from +11.80 mPD to +11.80 mPD to 11 (3.2m)         2-Tank Structure from +15.0 mPD to +11.80 mPD to 11 (3.2m)         2-Tank Structure from +15.0 mPD to +11.80 mPD to 11 (3.2m)         2-Tank Structure from +15.0 mPD to +11.80 mPD to +13.0 mPD Lift 1 (3.2m)         2-Tank Structure from +15.0 mPD to +18.30 mPD Lift 2 (3.3m)         Water Petaining Test for New PST Tank No. 4         Water Retaining Test for New PST Tank No. 5         KD6         F& BS and ABWF Works at 2 Tanks         Installation Works at New PST 4,5         PST Stage 2 - Bottom Scrapper / Scum Collection System <td>15         11         11         12         21         11         22         11         22         11         22         11         12         12         13         14         12         14         15         16         17         10         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2     <!--</td--><td>1         01-No           2         12-Nc           3         23-Nc           2         01-Dc           3         14-Dc           4         11-Ja           2         11-Ja           4         12-Fe           4         01-Mc           69         08-Se           1         06-Oc           1         19-Dc           1         16-Ja           3         16-Fe           3         03-Mc           0         15-Mc           0         15-Mc           7         18-Mc           8         18-Mc           9</td><td>v-21*           v-21           v-21           v-21           v-21           v-21           v-21           v-21           v-21           v-21           v-22           p-22           ar-23           ar-23           ar-23           ar-23           ar-23           ar-23           ar-23           ar-23&lt;</td><td>31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 15-Feb-23 02-Mar-23 15-Feb-23 05-Feb-26* 21-Oct-23 28-Sep-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23</td><td>08-Jun-22 27-Jun-22 22-Jun-22 19-Jul-22 19-Jul-22 19-Jul-22 13-Aug-22 13-Aug-22 08-Sep-22 08-Sep-22 06-Oct-22 31-Oct-22 24-Nov-22 19-Dec-22 16-Jan-23 16-Feb-23 03-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23</td><td>21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 05-Feb-26 05-Oct-22 29-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 05-Feb-26 20-Jan-24 20-Jan-24 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23</td><td>162           169           158           185           148           148           156           148           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0</td><td>PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Exavation (-5.8 to +3.3mPD)         PST Stage 2: - Exavation (-1.3 to -1.0 mPD)         PST Stage 2: - Exavation (-1.3 to -1.0 mPD)         PST Stage 2: - Exavation (-1.3 to -1.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-1.4.0 mPD)         PST Stage 2: - Exavation (-1.4.0 mPD)         PST Stage 2: - Exavation (-1.4.0 mPD)         PST Stage 2: - Exavation (-1.4.0 mPD)         PST Stage 2: - Exavation (-1.4.0 mPD)         PST Stage 2: - Exavation (-1.4.0 mPD)         PST Stage 2: - Exavation (-1.4.0 mPD)         PST Stage 2: - Exavation (-1.4.0 mPD)         PST Stage 2: - Exavation (-1.4.0 mPD)</td></td>	15         11         11         12         21         11         22         11         22         11         22         11         12         12         13         14         12         14         15         16         17         10         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2 </td <td>1         01-No           2         12-Nc           3         23-Nc           2         01-Dc           3         14-Dc           4         11-Ja           2         11-Ja           4         12-Fe           4         01-Mc           69         08-Se           1         06-Oc           1         19-Dc           1         16-Ja           3         16-Fe           3         03-Mc           0         15-Mc           0         15-Mc           7         18-Mc           8         18-Mc           9</td> <td>v-21*           v-21           v-21           v-21           v-21           v-21           v-21           v-21           v-21           v-21           v-22           p-22           ar-23           ar-23           ar-23           ar-23           ar-23           ar-23           ar-23           ar-23&lt;</td> <td>31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 15-Feb-23 02-Mar-23 15-Feb-23 05-Feb-26* 21-Oct-23 28-Sep-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23</td> <td>08-Jun-22 27-Jun-22 22-Jun-22 19-Jul-22 19-Jul-22 19-Jul-22 13-Aug-22 13-Aug-22 08-Sep-22 08-Sep-22 06-Oct-22 31-Oct-22 24-Nov-22 19-Dec-22 16-Jan-23 16-Feb-23 03-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23</td> <td>21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 05-Feb-26 05-Oct-22 29-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 05-Feb-26 20-Jan-24 20-Jan-24 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23</td> <td>162           169           158           185           148           148           156           148           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0</td> <td>PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Sheetaling (1/040/m2 at 30m2/day)         PST Stage 2: - Exavation (-5.8 to +3.3mPD)         PST Stage 2: - Exavation (-1.3 to -1.0 mPD)         PST Stage 2: - Exavation (-1.3 to -1.0 mPD)         PST Stage 2: - Exavation (-1.3 to -1.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-3.0 mPD)         PST Stage 2: - Exavation (-1.4.0 mPD)         PST Stage 2: - Exavation (-1.4.0 mPD)         PST Stage 2: - 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2-Tank Structure from +0.0 mPD to +11.80 mPD         2-Tank Structure from +0.0 mPD to +11.80 mPD         2-Tank Structure from +15.0 mPD to +11.80 mPD Lift 1 (3.2m)         2-Tank Structure from +15.0 mPD to +11.80 mPD Lift 2 (3.3m)         Water Retaining Test for New PST Tank No. 4         Water Retaining Test for New PST Tank No. 5         KD6         F & BS Works         PST - BS and ABWF Works at 2 Tanks         Installation Works at New PST 4,5         PST - BS and ABWF Works at 2 Tanks         Installation Works at New PST 4,5         PST Stage 2 - Bottom Scrapper / Scum Collection System <t< td=""><td>15         11         11         12         21         11         22         11         22         11         22         12         11         22         12         13         10         22         22         22         22         22         22         22         22         22         23         24         25         26         27         28         29         20         21       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BS and ABWF Works at 2 Tanks hstallation Works at New PST 4,5 PST Stage 2 - Lamella / Sludge & Scum Pump / DOU System PST Stage 2 - Lamella / Sludge & Scum Pump / DOU System PST Stage 2 - Lamella / Sludge & Scum Pump / DOU System PST Stage 2 - E&M Handover	15 11 11 12 22 11 12 14 12 14 10 22 15 10 22 22 22 22 22 22 22 22 22 2	1       01-No         2       12-No         3       23-No         2       01-De         3       14-De         4       11-Ja         4       12-Fe         4       01-Ma         59       08-Se         1       08-Se         1       09         1       19-De         1       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma	v-21* v-21 v-21 v-21 v-21 v-21 v-21 v-21 v-22 v-22	31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22 29-Oct-22 29-Oct-22 14-Jan-23 15-Feb-23 02-Mar-23 05-Feb-26* 21-Oct-23 28-Sep-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23	08-Jun-22 27-Jun-22 22-Jun-22 19-Jul-22 19-Jul-22 19-Jul-22 13-Aug-22 13-Aug-22 08-Sep-22 08-Sep-22 06-Oct-22 19-Dec-22 16-Jun-23 16-Feb-23 03-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23	21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 03-Aug-22 12-Aug-22 07-Sep-22 31-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 05-Feb-23 02-Mar-23 15-Feb-23 02-Mar-23 15-Feb-23 02-Mar-23 05-Feb-26 20-Jan-24 20-Jan-24 20-Jan-24 06-Oct-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23	162 169 158 185 148 148 148 0 0 0 0 0 0 0 0 0 0 0 0 0	PST Stage 2: - 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to +15.0 mPD Lift 1 (3.2m)         2-Tank Structure from +11.80 mPD to +11.80 mPD         2-Tank Structure from +11.80 mPD to +11.80 mPD         2-Tank Structure from +11.80 mPD to +11.80 mPD Lift 2 (3.3m)         Water Petaining Test for New PST Tank No. 4         Water Petaining Test for New PST Tank No. 5         KD6         F8 BS Works         PST - BS and ABWF Works at 2 Tanks         PST Stage 2 - Bottom Scrapper / Scum Collection System         PST Stage 2 - Lamella / Sludge & Scum Pump / DOU System         PST Stage 2 - Lifting Appliance         PST Stage 2 - E&M Handover         PST Stage 2 - E&M Handover <td>15 11 11 12 22 11 12 14 12 14 10 22 15 10 22 22 22 22 22 22 22 22 22 2</td> <td>1       01-No         2       12-No         3       23-No         2       01-De         3       14-De         4       11-Ja         4       12-Fe         4       01-Ma         59       08-Se         1       08-Se         1       09         1       19-De         1       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma</td> <td>v-21* v-21 v-21 v-21 v-21 v-21 v-21 v-21 v-22 v-22</td> <td>31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22 29-Oct-22 29-Oct-22 14-Jan-23 15-Feb-23 02-Mar-23 05-Feb-26* 21-Oct-23 28-Sep-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23</td> <td>08-Jun-22 27-Jun-22 22-Jun-22 19-Jul-22 19-Jul-22 19-Jul-22 13-Aug-22 13-Aug-22 08-Sep-22 08-Sep-22 06-Oct-22 19-Dec-22 16-Jun-23 16-Feb-23 03-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23 18-Mar-23</td> <td>21-Jun-22 18-Jul-22 18-Jul-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 07-Sep-22 05-Feb-26 05-Oct-22 29-Oct-22 23-Nov-22 17-Dec-22 14-Jan-23 05-Feb-26 20-Jan-24 20-Jan-24 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23</td> <td>162 169 158 185 148 148 148 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>PST Stage 2: Sheetpiling (1)(04 m2 at 80m2 day)           PST Stage 2: Askeetpiling (1)(04 m2 at 80m2 day)           PST Stage 2: Staget Testing           PST Stage 2: Askeetpiling (1)(04 m2 at 80m2 day)           PST Stage 2: Askeetpiling (1)(04 m2 at 80m2 day)           PST Stage 2: Askeetpiling (1)(04 m2 at 80m2 day)           PST Stage 2: Exceeded of Caster 1 and PD)           PST Stage 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: 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Stage 2: Askeetpiling (1)(04 m2 at 80m2 day)           PST Stage 2: Askeetpiling (1)(04 m2 at 80m2 day)           PST Stage 2: Askeetpiling (1)(04 m2 at 80m2 day)           PST Stage 2: Exceeded of Caster 1 and PD)           PST Stage 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: Staget 2: 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from +0.0 mPD to +3.0 mPD         2-Tank Structure from +0.0 mPD to +3.0 mPD         2-Tank Structure from +0.0 mPD to +15.0 mPD Lift 1 (3.2m)         2-Tank Structure from +11.80 mPD to +11.80 mPD         2-Tank Structure from +11.80 mPD to +11.80 mPD         2-Tank Structure from +11.80 mPD to +11.80 mPD Lift 2 (3.3m)         Water Petaining Test for New PST Tank No. 4         Water Petaining Test for New PST Tank No. 5         KD6         F8 BS Works         PST - BS and ABWF Works at 2 Tanks         PST Stage 2 - Bottom Scrapper / Scum Collection System         PST Stage 2 - Lamella / Sludge & Scum Pump / DOU System         PST Stage 2 - Lifting Appliance         PST Stage 2 - E&M Handover         PST Stage 2 - E&M Handover <td>15 11 11 12 22 11 12 14 12 14 10 22 15 10 22 22 22 22 22 22 22 22 22 2</td> <td>1       01-No         2       12-No         3       23-No         2       01-De         3       14-De         4       11-Ja         4       12-Fe         4       01-Ma         59       08-Se         1       08-Se         1       09         1       19-De         1       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       16-Fe         3       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma         7       18-Ma</td> <td>v-21* v-21 v-21 v-21 v-21 v-21 v-21 v-21 v-22 v-22</td> <td>31-Mar-22 25-Nov-21 13-Dec-21 28-Dec-21 18-Jan-22 26-Jan-22 28-Feb-22 09-Mar-22 31-Aug-22 05-Feb-26 05-Oct-22 29-Oct-22 29-Oct-22 29-Oct-22 14-Jan-23 15-Feb-23 02-Mar-23 05-Feb-26* 21-Oct-23 28-Sep-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23 06-Jul-23</td> <td>08-Jun-22 27-Jun-22 22-Jun-22 19-Jul-22 19-Jul-22 19-Jul-22 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(-1.3mPC)         PST Stage 2: Statut Iostaliation 5 (-1.3mPC)         PST Stage 2: Statut Iostaliation 5 (-1.3mPC)         PST Stage 2: Statution form +0.0 mPD to -1.30 mPD         PST Stage 2: Inthe Structure from +0.0 mPD to -15.0 mPD         PST Stage 2: Inthe Structure from +0.0 mPD to -15.0 mPD         PST Stage 2: Inthe Structure from +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD 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2: Hold One at 80m2(ab)         PST Stage 2: Excavation (-5.8 to +3.3mPD)         PST Stage 2: Excavation (-5.8 to +3.3mPD)         PST Stage 2: Statut Iostaliation 5 (-1.3mPC)         PST Stage 2: Statut Iostaliation 5 (-1.3mPC)         PST Stage 2: Statut Iostaliation 5 (-1.3mPC)         PST Stage 2: Statut Iostaliation 5 (-1.3mPC)         PST Stage 2: Statut Iostaliation 5 (-1.3mPC)         PST Stage 2: Statut Iostaliation 5 (-1.3mPC)         PST Stage 2: Statut Iostaliation 5 (-1.3mPC)         PST Stage 2: Statution form +0.0 mPD to -1.30 mPD         PST Stage 2: Inthe Structure from +0.0 mPD to -15.0 mPD         PST Stage 2: Inthe Structure from +0.0 mPD to -15.0 mPD         PST Stage 2: Inthe Structure from +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to +1.0 mPD to 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ATALPST-5040	PST Stage 2 - Instrumentation	36	07-Jul-23	17-Aug-23	07-Jul-23	17-Aug-23	0					PST Stage 2 - Instrumentatio
ATALPST-5050	PST Stage 2 - Electrical Works (Cabling / LCP, Termination)	72	07-Jul-23	28-Sep-23	13-Jul-23	06-Oct-23	5					PST Stage 2 - Electrical \
ATALPST-5060 ATALPST-5065	PST Stage 2 - BS Installation (ELV, Ventilation, FS, PD)	72	07-Jul-23	28-Sep-23	13-Jul-23	06-Oct-23	5				· · · · · · · · · · · · · · · ·	PST Stage 2 - BS Installa
	PST Stage 2 - Installation and Set-Up for SCADA System		13-Sep-23	28-Sep-23	19-Sep-23	06-Oct-23	5					
ATALPST-5070	and Commissioning at New PST 4,5 PST Stage 2 - T&C - Equipment SAT (Mechanical Dry Check)	986 30	15-Sep-23 15-Sep-23	08-Nov-26 21-Oct-23	15-Sep-23 15-Sep-23	08-Nov-26 21-Oct-23	0					
ATALPST-5070 ATALPST-5080		30	07-Oct-23	21-00-23 11-Nov-23	07-Oct-23	21-0cl-23 11-Nov-23	0					PST Stage 2 - T&C - E
ATALPST-5080 ATALPST-5090	PST Stage 2 - T&C - Equipment SAT (Functional Dry Check)	30	13-Nov-23	22-Nov-23	13-Nov-23	22-Nov-23	0					PST Stage 2 - T&C - I
	PST Stage 2 - T&C - Equipment SAT (Wet / Load Performance Check)											PST Stage 2 - T&C-
ATALPST-5100	PST Stage 2 - T&C - System Commissioning (60,000 m3/d) (KD3)	48	23-Nov-23	20-Jan-24	23-Nov-23	20-Jan-24	0					PST Stage 2 - T
ATALPST-5110	PST Stage 2 - FS Inspection and Fire Certificate	28	22-Jan-24	29-Feb-24	22-Jan-24	29-Feb-24	0					PST Stage 2
CDKD3a	KD3	0		11-Mar-24*		11-Mar-24	0					🕏 KD3
CS3	Section 3 Completion	0		08-Nov-26*		08-Nov-26	0					
PST External Pipewo		180	18-Mar-23	26-Oct-23	19-Apr-23	22-Nov-23	23					<u></u>
ATALPST-5120	PST - External Pipe Works	180	18-Mar-23	26-Oct-23	19-Apr-23	22-Nov-23	23					PST · External Pipe Wo
	et Work and Primary Sedimentation Tank Perimeter	240	12-Mar-24	31-Dec-24	14-Jan-26	07-Nov-26	544					
EW-1080	IW/PST Perimeter - Drainage/Sewer/Watermain/Utility Installation	150	12-Mar-24	11-Sep-24	14-Jan-26	22-Jul-26	544					
EW-1050	IW/PST Perimeter - Process Pipe Installation	102	12-Mar-24	17-Jul-24	18-Mar-26	22-Jul-26	592					
EW-1090	IW/PST Perimeter - Road Works	90	12-Sep-24	31-Dec-24	23-Jul-26	07-Nov-26	544					
Sludge Dewatering B	Building (SDB)	1485	01-Nov-21	29-Jul-26	01-Nov-21	07-Nov-26	87					
SDB-1000	Site Hoarding, Clearance, Temp Facilities	17	13-Jan-24	01-Feb-24	20-Jan-24	08-Feb-24	6					📕 Site Hoarding, (
SDB Foundation & E	•	1027	01-Nov-21	10-Feb-25	01-Nov-21	10-Feb-25	0	1				
SDB GI - Pre-drilling V		87	02-Feb-24	13-May-24	16-Feb-24	13-May-24	0	-+-				
SDB-1220	Access Date	0	02-Feb-24 02-Feb-24	107Way-24	16-Feb-24 16-Feb-24	i J-ividy-24	14					·····································
SDB-1220	Demolition of Existing PST 1 & 3	20		09 4-0-04		08 404	0					Access Date
			12-Mar-24	08-Apr-24	12-Mar-24	08-Apr-24						Demolition
SDB-1320	Demolition of Existing PST 2 & 4	20	02-Apr-24	25-Apr-24	02-Apr-24	25-Apr-24	0				****	E Demolitio
SDB At PST 1,3 Fo		75	02-Feb-24	11-May-24	16-Feb-24	13-May-24	1					
SDB-1010	PD10	14	02-Feb-24	24-Feb-24	20-Mar-24	09-Apr-24	34					PD10
SDB-1020	PD19	14	02-Feb-24	24-Feb-24	20-Mar-24	09-Apr-24	34					PD19
SDB-1030	PD22	14	02-Feb-24	24-Feb-24	16-Feb-24	02-Mar-24	6					PD22
SDB-1040	PD20	14	26-Feb-24	12-Mar-24	10-Apr-24	25-Apr-24	34					PD20
SDB-1050	PD12	14	26-Feb-24	12-Mar-24	10-Apr-24	25-Apr-24	34					PD12
SDB-1060	PD23	14	26-Feb-24	12-Mar-24	04-Mar-24	19-Mar-24	6					PD23
SDB-1070	PD15	14	13-Mar-24	28-Mar-24	26-Apr-24	13-May-24	34					PD15
SDB-1080	PD21	14	13-Mar-24	28-Mar-24	26-Apr-24	13-May-24	34				*****	PD21
SDB-1090	PD24	14	13-Mar-24	28-Mar-24	20-Mar-24	09-Apr-24	6					PD24
SDB-1110	PD11 w/ obstruction (PST1)	14	02-Apr-24	18-Apr-24	10-Apr-24	25-Apr-24	6				1-1-1-1-1-1-	PD11/w/
SDB-1110	PD16 w/ obstruction (PST1)	14	02-Apr-24	· ·	10-Apr-24	25-Apr-24	6				+ + + + + + + + + + + + + + + + + + + +	-l+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
SDB-1140		14		18-Apr-24 24-Apr-24		25-Apr-24 25-Apr-24	1				+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-	PD16 w
	PD13 w/ obstruction (PST3)		09-Apr-24		10-Apr-24							PD13 w/
SDB-1130	PD14 w/ obstruction (PST3)	14	09-Apr-24	24-Apr-24	10-Apr-24	25-Apr-24	1					PD14 w
SDB-1150	PD17 w/ obstruction (PST3)	14	25-Apr-24	11-May-24	26-Apr-24	13-May-24	1					PD1/7 w
SDB-1160	PD18 w/ obstruction (PST3)	14	25-Apr-24	11-May-24	26-Apr-24	13-May-24	1					📮 PD1/8 w
SDB At PST 2,4 Fo		76	02-Feb-24	13-May-24	20-Mar-24	13-May-24	0	_				
SDB-1230	PD1	14	02-Feb-24	24-Feb-24	10-Apr-24	25-Apr-24	48					📮 PD1
SDB-1240	PD3	14	02-Feb-24	24-Feb-24	20-Mar-24	09-Apr-24	34					PD3
SDB-1250	PD6	14	02-Feb-24	24-Feb-24	10-Apr-24	25-Apr-24	48					PD6
SDB-1290	PD7	14	26-Feb-24	12-Mar-24	26-Apr-24	13-May-24	48					PD7
SDB-1260	PD8	14	26-Feb-24	12-Mar-24	10-Apr-24	25-Apr-24	34					PD8
SDB-1300	PD9	14	26-Feb-24	12-Mar-24	10-Apr-24	25-Apr-24	34					PD9
SDB-1350	PD4 w/ obstruction (PST4)	14	26-Apr-24	13-May-24	26-Apr-24	13-May-24	0					PD4 w/
SDB-1360	PD5 w/ obstruction (PST4)	14	26-Apr-24	13-May-24	26-Apr-24	13-May-24	0					PD5 w/
SDB-1370	PD2 w/ obstruction (PST2)	14	26-Apr-24	13-May-24	26-Apr-24	13-May-24	0					■ PD2 w/
SDB Foundation - PS1		1027	01-Nov-21	10-Feb-25	01-Nov-21	10-Feb-25	0					- r Dz w
NMM-2095	PS 1.105A Noise Mitigation Measures 2021-2022	151	01-Nov-21*	31-Mar-22	01-Nov-21	31-Mar-22	0			DR 1 10EV Noted Mit	Hation Moon	
EBS-2105	Egrets Breeding Season 2022	184	01-Mov-21 01-Mar-22*		01-Mar-22		0			PS 1.105A Nolse Miti		
				31-Aug-22		31-Aug-22				Egrets Br	reeding Seaso	
NMM-2022	PS 1.105A Noise Mitigation Measures 2022-2023	151	01-Nov-22	31-Mar-23	01-Nov-22	31-Mar-23	0				PS 1.1	105A Noise Mitigation Measures
EBS-2023	Egrets Breeding Season 2023	184	01-Mar-23	31-Aug-23	23-Mar-23	22-Sep-23	22					Egrets Breeding Season 20
NMM-2023	PS 1.105A Noise Mitigation Measures 2023-2024	152	01-Nov-23*	31-Mar-24	01-Nov-23	31-Mar-24	0	4				P\$ 1,105A
EBS-2024	Egrets Breeding Season 2024	184	01-Mar-24*	31-Aug-24	01-Mar-24	31-Aug-24	0	44-				
SDB-1190	SDB - Sheetpiles (4,720m2)	45	14-May-24	08-Jul-24	17-Jul-24	06-Sep-24	52					💻 sp
SDB-1170	SDB - Driven H-piles (359 nos @1.5no/d/rig, 2rigs)	120	14-May-24	05-Oct-24	14-May-24	05-Oct-24	0					
SDB-1610	SDB - Monitoring Installation and Pumping Test	21	19-Sep-24	15-Oct-24	19-Sep-24	15-Oct-24	0					
SDB-1180	SDB - H-piles Testing	14	27-Sep-24	15-Oct-24	27-Sep-24	15-Oct-24	0					
SDB-1200	SDB - Excavation (+6.0 to +4.5mPD)	24	16-Oct-24	12-Nov-24	16-Oct-24	12-Nov-24	0					
SDB-1210	SDB - Marine Sediments Treatment and Disposal	83	16-Oct-24	23-Jan-25	28-Oct-24	10-Feb-25	10	TT				
SDB-1620	SDB - Submit to GEO (28d)	28	16-Oct-24	16-Nov-24	03-Jan-25	10-Feb-25	65					
SDB-1270	SDB - Strut Installation S1 (+4.5mPD)	16	13-Nov-24	30-Nov-24	07-Dec-24	27-Dec-24	21	11				
SDB-1280	SDB - Excavation (+4.5 to +1.5mPD)	23	13-Nov-24	09-Dec-24	13-Nov-24	09-Dec-24	0					
SDB-1330	SDB - Strut Installation S2 (+1.5mPD)	16	10-Dec-24	30-Dec-24	28-Dec-24	16-Jan-25	14	11				
SDB-1340	SDB - Excavation (+1.5 to -1.5mPD)	23	10-Dec-24	08-Jan-25	10-Dec-24	08-Jan-25	0	1-1-1				
SDB-1340	SDB - Excavation (+1.5 to -1.5mPD) SDB - Strut Installation S3 (-1.5mPD)	16	09-Jan-25	27-Jan-25	17-Jan-25	10-Jan-25	7					
		23					0				+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-	· · · · · · · · · · · · · · · · · · ·
SDB-1400	SDB - Excavation (-1.5 to -3.75mPD)		09-Jan-25	10-Feb-25	09-Jan-25	10-Feb-25						
SDB Structure		127	11-Feb-25	08-Jul-25	11-Feb-25	08-Jul-25	0	4			}-}- <u>}-</u> }-}	
SDB-1510	SDB - Structure to G/F (-3.75 to -2.2mPD)	14	11-Feb-25	26-Feb-25	11-Feb-25	26-Feb-25	0	44				
SDB-1530 SDB-1540	SDB - Structure to G/F (-2.2 to 0.0mPD)           SDB - Structure to G/F (0 to +3.0mPD)	14	27-Feb-25 15-Mar-25	14-Mar-25 31-Mar-25	27-Feb-25 15-Mar-25	14-Mar-25 31-Mar-25	0	_				



Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme Project ID : DWP.DPr6\_210930 Layout : DC201910 DWP rev. Page 14 of 27

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	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float			
DD (550			01.0.05	17.4 05	a. A	17.4 05		1 1 1 1 1 1 1 1 17 1 1 2 2 2 2 2 2	2 2 2 2 2 3 3 3 3 3 34 3	3 3 3 4 4 4 4 4 4
DB-1550	SDB - Structure to G/F (+3.0 to +6.0mPD)	14	01-Apr-25	17-Apr-25	01-Apr-25	17-Apr-25	0			+
DB-1560	SDB - G/F to Roof (+6.0 to 9.0mPD)	15	22-Apr-25	10-May-25	22-Apr-25	10-May-25	0			
B-1570	SDB - G/F to Roof (+9.0 to 12.0mPD)	16	12-May-25	29-May-25	12-May-25	29-May-25	0			
DB-1580	SDB - G/F to Roof (+12.0 to 15.0mPD)	16	30-May-25	18-Jun-25	30-May-25	18-Jun-25	0			
B-1590	SDB - G/F to Roof (+15.0 to 18.3mPD)	16	19-Jun-25	08-Jul-25	19-Jun-25	08-Jul-25	0			
DB-1600	KD8 (08-Jul-25)	0		08-Jul-25*		08-Jul-25	0			*****
B ABWF Works		119	11-Feb-25	08-Jul-25	11-Feb-25	08-Jul-25	0			+
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DB-1520	SDB - BS & ABWF Works	119	11-Feb-25	08-Jul-25	11-Feb-25	08-Jul-25	0			· · · · · · · · · · · · · · · · · · ·
ternal Works -Slu	udge Dewatering and Administration Buildings Perimeter	338	07-Jun-25	29-Jul-26	15-Sep-25	07-Nov-26	84			
W-1110	SDB/ADB Perimeter - Drainage/Sewer/Watermain/Utility Installation	180	07-Jun-25	10-Jan-26	15-Sep-25	29-Apr-26	84			
W-1130	SDB/ADB Perimeter - Road Works	158	12-Jan-26	29-Jul-26	30-Apr-26	07-Nov-26	84			
derpass		177	07-Sep-24	01-Apr-25	07-Sep-24	08-Jul-25	84			
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OP Foundation an		85	07-Sep-24	14-Dec-24	07-Sep-24	22-Mar-25	84			
DP-1000	UDP - Sheet Pile Wall	36	07-Sep-24	22-Oct-24	07-Sep-24	22-Oct-24	0			
DP-1090	UDP - Monitoring Installation and Pumping Test	21	07-Oct-24	31-Oct-24	08-Jan-25	06-Feb-25	76			
DP-1010	UDP - Driven H-pile (8 nos @ave.1.5no./d/rig)	8	23-Oct-24	31-Oct-24	23-Oct-24	31-Oct-24	0			
DP-1020	UDP - Excavation (+6.0 to 4.5mPD)	12	01-Nov-24	14-Nov-24	07-Feb-25	20-Feb-25	76		·	
DP-1030	UDP - Strut Installation S1 (+4.5mPD)	8	15-Nov-24	23-Nov-24	05-Mar-25	13-Mar-25	86	·	·	*****
	. ,									
DP-1040	UDP - Excavation (+4.5 to +1.5mPD)	14	15-Nov-24	30-Nov-24	21-Feb-25	08-Mar-25	76	····		
DP-1050	UDP - Strut Installation S2 (+1.5mPD)	8	02-Dec-24	10-Dec-24	14-Mar-25	22-Mar-25	80			
IDP-1060	UDP - Excavation (+1.5 to -0.5mPD)	12	02-Dec-24	14-Dec-24	10-Mar-25	22-Mar-25	76			
OP Structure		84	16-Dec-24	01-Apr-25	24-Mar-25	08-Jul-25	76			
DP-1070	UDP - Structure (+2.5mPD to +5.0mPD)	42	16-Dec-24	11-Feb-25	24-Mar-25	17-May-25	76			
P-1080	UDP - Structure (+2.5mPD to +3.5mPD)	42	12-Feb-25			08-Jul-25	76			
				01-Apr-25	19-May-25			· · · · · · · · · · · · · · · · · · ·		
ninistration Buil	lding (ADB)	1625	18-Feb-21 A	28-Apr-26	15-Oct-21	08-Nov-27	479			
mporary Admin O	Office and Control Room	1625	18-Feb-21 A	28-Apr-26	15-Oct-21	08-Nov-27	479			
DB-1000	Submit/Approve Method Statement	48	18-Feb-21 A	19-Apr-21 A	15-Oct-21	15-Oct-21		t/Approve Method Statement		
DB-1010	Equipment and Material Procurement	88			15-Oct-21					+
			18-Feb-21 A	07-Jun-21 A		15-Oct-21		uipment and Material Procurement		+
DB-1040	Handover of Temp. Admin Office and Control Room	20	23-Nov-21	15-Dec-21	06-Jun-24	29-Jun-24	739	🗕 🗖 Handover of Temp. Ad	in Office and Control Ro	pm
DB-1050	Demolition of Admin Bldg (23) and Document Centre (24)	20	16-Dec-21*	11-Jan-22	16-Oct-27	08-Nov-27	1726	🖨 🗖 🛛 Demolition of Admin	3ldg (23) and Document	Centre (24)
B-1060	Relocation of Central Control Room	30	02-Feb-24	14-Mar-24	25-Apr-24	31-May-24	61			- Relocatio
B-1070	Demolition of Screw pump PS/Bar Screen Chamber/Detritors/Screening Press House	45	02-Apr-24	27-May-24	01-Jun-24	25-Jul-24	49			Der
3-1080	Demolition of Central Control Room (14)	45	02-Apr-24	27-May-24	01-Jun-24	25-Jul-24	49	··┝· <mark>·</mark> ·┤·┤·┤·┤·┼·┝·┼·┼·┤·┤·┤·	·	
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DB-1210	Demolition of Temp AB/Workshop/Changing Room/Control Room	21	01-Apr-26	28-Apr-26	14-Oct-26	07-Nov-26	159	· - • - • - • • • - • - • - • - • - • -		
mp Admin Office -		197	20-Apr-21 A	13-Dec-21	14-Mar-24	31-May-24	717			
DB-1020A10	Site Formation	6	20-Apr-21 A	26-Apr-21 A	14-Mar-24	14-Mar-24		ormation		
DB-1020A20	Construction/Installation	24	30-Sep-21	29-Oct-21	14-Mar-24	15-Apr-24	717	Construction/Installation		
DB-1020A30	E&M Installation and T&C	20	30-Oct-21	22-Nov-21	16-Apr-24	09-May-24	717	E&M:Installation and T&	· · · · · · · · · · · · · · · · · · ·	+
DB-1020A40	Relocation of Admin Office (MiC)	18	23-Nov-21	13-Dec-21	10-May-24	31-May-24	717	- Relocation of Admin O		*****
	, ,						/1/			+
mp Admin Office -		74	20-Apr-21 A	20-Jul-21 A	15-Oct-21	15-Oct-21		· · · · · · · · · · · · · · · · · · ·		
DB-1020A50	Site Formation	6	20-Apr-21 A	26-Apr-21 A	15-Oct-21	15-Oct-21		ormation		
DB-1020A60	Construction/Installation	24	27-Apr-21 A	26-May-21 A	15-Oct-21	15-Oct-21		nstruction/Installation		
DB-1020A70	E&M Installation and T&C	20	01-Jun-21 A	24-Jun-21 A	15-Oct-21	15-Oct-21		&M Installation and T&C		
DB-1020A80	Relocation of Admin Office (Non-MiC)	20	25-Jun-21 A	20-Jul-21 A	15-Oct-21	15-Oct-21		Relocation of Admin Office (Non-W	a	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
	of New AB and Demolition	449	02-Apr-24	06-Sep-25	02-Jul-24	06-Nov-25	52			+
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)B-1220	ADB - Predrill	21	02-Apr-24	26-Apr-24	02-Jul-24	25-Jul-24	73			ADB-
B-1090	ADB - Driven H-pile (63 nos, @ave.1no/d/rig, 1rig)	63	28-May-24	10-Aug-24	26-Jul-24	09-Oct-24	49			
B-1230	ADB - Monitoring Installation and Pumping Test	21	08-Aug-24	31-Aug-24	07-Oct-24	31-Oct-24	49			
B-1100	ADB - H-pile Testing	18	12-Aug-24	31-Aug-24	10-Oct-24	31-Oct-24	49			
B-1110	ADB - Open Cut Excavation (+7.8 to +3.85mPD) at 300 Slope	24	02-Sep-24	30-Sep-24	01-Nov-24	28-Nov-24	49			
		24					49	┟╍╞╼ <mark>╏</mark> ╴┪╸┪╸┪╸╬╺╬╺╫╸╫╺╫╸╣╸╣╸╬╺╠╺╟╺	· <del>· · · · · · · · · · · · · · · · · · </del>	+++++++++++++++++++++++++++++++++++++++
B-1240	ADB - Submit to GEO (24d)		02-Sep-24	30-Sep-24	01-Nov-24	28-Nov-24				+
B-1120	ADB - Structure (+3.85 to +6.85mPD)	53	02-Oct-24	03-Dec-24	29-Nov-24	07-Feb-25	49			
IM-2024	PS 1.105A Noise Mitigation Measures 2024-2025	151	01-Nov-24*	31-Mar-25	01-Nov-24	31-Mar-25	0			
B-1130	ADB - Structure (+6.85 to +9.85mPD)	48	04-Dec-24	06-Feb-25	08-Feb-25	04-Apr-25	49			
B-1140	ADB - Structure (+9.85 to +12.85mPD)	48	07-Feb-25	03-Apr-25	07-Apr-25	07-Jun-25	49			
S-2025	Egrets Breeding Season 2025	184	01-Mar-25*	31-Aug-25	01-Mar-25	31-Aug-25		┟╺╞╺┛╸╡╸╡╴┽╴╬╶╬╶╬╶╫╸╫╸╫╸┥╸┥╸╬╺╞╺┊╴	· <del>· · · · · · · · · · · · · · · · · · </del>	$\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}$
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B-1150	ADB - Structure (+12.85 to 15.25mPD)	48	04-Apr-25	06-Jun-25	09-Jun-25	04-Aug-25	49	┟╍╞╍ <mark>┥</mark> ╸┥╸┥╸┥╴╬╺╞┝╸┝╺┝╸┥╸┥╸┥╸┝╸┝		+++++++++++++++++++++++++++++++++++++++
B-1160	ADB - Wet Trades/Builder's Works/Watertight	78	07-Jun-25	06-Sep-25	05-Aug-25	06-Nov-25	49			·····
B E&M Installation	on	200	07-Jun-25	03-Feb-26	07-Jan-26	23-Sep-26	186			
B-1170	ADB - BS and ABWF Works	192	07-Jun-25	24-Jan-26	07-Jan-26	02-Sep-26	176			
B-1180	ADB - Modification of Existing Emergency Bypass Chamber	120	07-Jun-25	28-Oct-25	19-Jan-26	20-Jun-26	186			*
B-1185	ADB - Installation and Set-Up for SCADA System	14	13-Oct-25	28-Oct-25	08-Sep-26	23-Sep-26	266	┝╺╞╺ <mark>╸</mark> ╸╡╸╡╸┽╸╤╶╤╶┾╸┼╸┽╸┽╸┽╸┽╸┾╸┾╸╴		+
B-1190	ADB - External Works	80	30-Oct-25	03-Feb-26	22-Jun-26	23-Sep-26	186	· - • - <mark>•</mark> - 4 - 4 - 4 - 4 • - • - • - • - • -	!! 1 1 4 - 4!! 4 - 4 -	
B Handover and	Inspection	18	26-Jan-26	14-Feb-26	03-Sep-26	23-Sep-26	176			
B-1200	ADB - Handover	18	26-Jan-26	14-Feb-26	03-Sep-26	23-Sep-26	176			• + - + - + - + - + - + - + - + - + - +
		1642	09-Nov-20 A	05-Feb-26	30-Sep-21	07-Nov-26	236			*
e 2 Construc					· · · · ·		200			
rhaul, Relocatio	on and Diversion Works	355	09-Nov-20 A	22-Jan-22	30-Sep-21	29-Jan-22	6			
)-4240	Completion of Overhaul, relocation and diversion (Zone 2)	0		22-Jan-22*		29-Jan-22	6		بالمحافظة فعالماه المتعادية	H-1
-			00 Mar 200 4		00.0 01	1		Completion of Overl	aul, relocation and diver	sion (Zone 2)
	r FST Nos.1, 2, 3 & 4	289	09-Nov-20 A	04-Oct-21	30-Sep-21	04-Oct-21	0			
2D-1000	Submit/Approve Method Statement	55	09-Nov-20 A	14-Jan-21 A	30-Sep-21	30-Sep-21		ve Method Statement		
D-1010	Procurement of parts	115	09-Nov-20 A	01-Apr-21 A	30-Sep-21	30-Sep-21		ment of parts		
2D-4250	Completion of Overhaul FST	0		04-Oct-21*	COP E1	04-Oct-21	0			
L TEJU			AE los of A		00.0 01		U	Completion of Overhaul FST		
The A				04-May-21 A	30-Sep-21	30-Sep-21	1			
ST No. 1 Z2D-3000	Isolation and Conduct Pre-test for FST No.1	83 14	15-Jan-21 A 15-Jan-21 A	30-Jan-21 A	30-Sep-21	30-Sep-21		Conduct Pre-test for FST No.1		*



# Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme

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		Detailed Works Pr	ogramme	
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.6	30-Sep-21	Rev. 6		
	31-Aug-21	Rev. 5		
	31-Jul-21	Rev. 4		

	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	
								23 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q
Z2D-3010	Bamboo Scaffolding Construction	7	01-Feb-21 A	08-Feb-21 A	30-Sep-21	30-Sep-21		affoding Construction
Z2D-3020	Replacement of Screws for Rotatory Bridge	17	09-Feb-21 A	06-Mar-21 A	30-Sep-21	30-Sep-21		ent of Screws for Rotatory Bridge
2D-3020		12				· ·		lent of Screws for Rolatory Bridge
	Replacement of Scraper Frame Robs		08-Mar-21 A	20-Mar-21 A	30-Sep-21	30-Sep-21		men of Scraper Frame Robs
D-3040	Disassembly of Scraper Drive Unit / Penstock Actuators / Valves	4	22-Mar-21 A	25-Mar-21 A	30-Sep-21	30-Sep-21		mbly of Scraper Drive Unit / Penstock Actuators / Valves
D-3050	Reconditioning and Replacement of Scraper Driver Units	22	26-Mar-21 A	24-Apr-21 A	30-Sep-21	30-Sep-21		iditioning and Replacement of Scraper Driver Units
2D-3060	Return of all Drive Units and Centre Bearing for Reassembly	5	26-Apr-21 A	30-Apr-21 A	30-Sep-21	30-Sep-21		n of all Drive Units and Centre Bearing for Reassembly
2D-3070	Power Reconnection and Testing	2	03-May-21 A	04-May-21 A	30-Sep-21	30-Sep-21		r Reconnection and Testing
T No. 4		42	05-May-21 A	24-Jun-21 A	30-Sep-21	30-Sep-21		
2D-3080	Switch Duty from FST No. 4 to FST No. 1 or Others	2	05-May-21 A	06-May-21 A	30-Sep-21	30-Sep-21		
	·	2				· ·		h/Duty from FST No. 4 to FST No. 1 or Others
2D-3085	Isolation and Conduct Pre-test for FST No.4		07-May-21 A	08-May-21 A	30-Sep-21	30-Sep-21		tion and Conduct Pre-test for FST No.4
2D-3090	Drain Out Swage and Tank Cleaning for FST No. 4	4	10-May-21 A	13-May-21 A	30-Sep-21	30-Sep-21		Out Swage and Tank Cleaning for FST No. 4
2D-3095	Bamboo Scaffolding Construction	2	14-May-21 A	15-May-21 A	30-Sep-21	30-Sep-21		bod Scaffolding Construction
2D-3100	Replacement of Screws for Rotatory Bridge	10	17-May-21 A	28-May-21 A	30-Sep-21	30-Sep-21		placement of Screws for Rotatory Bridge
2D-3110	Replacement of Scraper Frame Robs	12	17-May-21 A	31-May-21 A	30-Sep-21	30-Sep-21		placement of Scraper Frame Robs
2D-3130	Reconditioning and Replacement of Scraper Driver Units	15	29-May-21 A	16-Jun-21 A	30-Sep-21	30-Sep-21		
	*					•		econditioning and Replacement of Scraper Driver Units
2D-3120	Disassembly of Scraper Drive Unit / Penstock Actuators / Valves	13	01-Jun-21 A	16-Jun-21 A	30-Sep-21	30-Sep-21		sassembly of Scraper Drive Unit / Penstock Actuators / Valves
2D-3140	Return of all Drive Units and Centre Bearing for Reassembly	4	17-Jun-21 A	21-Jun-21 A	30-Sep-21	30-Sep-21		etum of all Drive Units and Centre Bearing for Reassembly
2D-3150	Power Reconnection and Testing	3	22-Jun-21 A	24-Jun-21 A	30-Sep-21	30-Sep-21		ower Reconnection and Testing
T No. 3		67	25-Jun-21 A	11-Aug-21 A	30-Sep-21	30-Sep-21		
2D-3160	Switch Duty from FST No. 3 to FST No. 1 or Others	2	25-Jun-21 A	26-Jun-21 A	30-Sep-21	30-Sep-21		with Duily from EST Nb b to EST Nb d to SO there
	•				· ·	· ·		witch Duty from FST No. 3 to FST No. 1 or Others
2D-3240	Isolation and Conduct Pre-test for FST No.3	2	28-Jun-21 A	29-Jun-21 A	30-Sep-21	30-Sep-21		sdla <mark>t</mark> ion and Conduct Pre-test for FST No.3
2D-3250	Drain Out Swage and Tank Cleaning for FST No. 3	4	30-Jun-21 A	05-Jul-21 A	30-Sep-21	30-Sep-21		Drain Out Swage and Tarik Cleaning for FST No. 3
2D-3170	Bamboo Scaffolding Construction	2	06-Jul-21 A	07-Jul-21 A	30-Sep-21	30-Sep-21		Bandoo Scaffolding Construction
2D-3180	Replacement of Screws for Rotatory Bridge	10	08-Jul-21 A	19-Jul-21 A	30-Sep-21	30-Sep-21		Replacement of Screws for Rotatory Bridge
2D-3190	Replacement of Scraper Frame Robs	12	08-Jul-21 A	21-Jul-21 A	30-Sep-21	30-Sep-21		Replacement of Scraper Frame Robs
2D-3210	Reconditioning and Replacement of Scraper Driver Units	15	20-Jul-21 A	11-Aug-21 A	30-Sep-21	30-Sep-21		Reconditioning and Replacement of Scraper Driver Units
2D-3200	Disassembly of Scraper Drive Unit / Penstock Actuators / Valves	13	22-Jul-21 A	11-Aug-21 A	30-Sep-21	30-Sep-21		Dsassembly of Scraper Drive Unit / Penstock Actuators / Valves
2D-3220	Return of all Drive Units and Centre Bearing for Reassembly	4	11-Aug-21 A	11-Aug-21 A	30-Sep-21	30-Sep-21		Return of all Drive Units and Centre Bearing for Reassembly
2D-3230	Power Reconnection and Testing	3	11-Aug-21 A	11-Aug-21 A	30-Sep-21	30-Sep-21		Power Reconnection and Testing
T No. 2		53	14-Aug-21 A	04-Oct-21	30-Sep-21	04-Oct-21	0	······································
2D-3260	Switch Duty from FST No. 2 to FST No. 1 or Others	2	14-Aug-21 A	16-Aug-21 A	30-Sep-21	30-Sep-21	0	
	•		-					Switch Duty from FST No. 2 to FST No. 1 or Others
2D-3340	Isolation and Conduct Pre-test for FST No.2	2	17-Aug-21 A	18-Aug-21 A	30-Sep-21	30-Sep-21		Isolation and Conduct Pre-test for FST No.2
2D-3350	Drain Out Swage and Tank Cleaning for FST No. 2	4	19-Aug-21 A	23-Aug-21 A	30-Sep-21	30-Sep-21		Drain Out Swage and Tank Cleaning for FST No. 2
2D-3270	Bamboo Scaffolding Construction	2	24-Aug-21 A	25-Aug-21 A	30-Sep-21	30-Sep-21		Bantboo Scaffolding Construction
2D-3280	Replacement of Screws for Rotatory Bridge	10	26-Aug-21 A	10-Sep-21 A	30-Sep-21	30-Sep-21		Replacement of Screws for Rotatory Bridge
2D-3290	Replacement of Scraper Frame Robs	12	26-Aug-21 A	13-Sep-21 A	30-Sep-21	30-Sep-21		Replacement of Scraper Frame Robs
			-	· ·				
2D-3300	Disassembly of Scraper Drive Unit / Penstock Actuators / Valves	13	07-Sep-21 A	21-Sep-21 A	30-Sep-21	30-Sep-21		Disassembly of Scraper Drive Unit / Penstock Actuators / Valves
2D-3310	Reconditioning and Replacement of Scraper Driver Units	15	07-Sep-21 A	24-Sep-21 A	30-Sep-21	30-Sep-21		Reconditioning and Replacement of Scraper Driver Units
2D-3320	Return of all Drive Units and Centre Bearing for Reassembly	4	25-Sep-21 A	29-Sep-21 A	30-Sep-21	30-Sep-21		Return of all Drive Units and Centre Bearing for Reassembly
2D-3330	Power Reconnection and Testing	3	30-Sep-21 A	04-Oct-21	30-Sep-21	04-Oct-21	0	Power Reconnection and Testing
erhaul Works fo	or Aeration Tanks (A-Tank)	355	09-Nov-20 A	22-Jan-22	13-Oct-21	29-Jan-22	6	······································
D-3360	Submit/Approve Method Statement	55	09-Nov-20 A	14-Jan-21 A	13-Oct-21	13-Oct-21		
2D-3370								vé Nethód Statement
	Procurement of parts	98	15-Jan-21 A	22-May-21 A	13-Oct-21	13-Oct-21		curement of parts Completion of Overhaul A-Tanks
D-4260	Completion of Overhaul A-Tanks			22-Jan-22*		29-Jan-22	6	Completion of Overhaul A-Tanks
Fank No. 1		0		EL OUTLE		40.04.04		<b>                                      </b>
		47	24-May-21 A	19-Jul-21 A	13-Oct-21	13-Oct-21		
	Switch Duty A-Tank from No. 1 to Other Tanks		24-May-21 A 24-May-21 A	19-Jul-21 A	13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21		tch Duty A-Tank'from No. 1 to Other Tanks
2D-4000	Switch Duty A-Tank from No. 1 to Other Tanks Isolation (Water/Power/Air) and Tank Cleaning	47	24-May-21 A	19-Jul-21 A 26-May-21 A	13-Oct-21	13-Oct-21		tch Duty A-Tank from Np. 1 to Other Tanks
2D-4000 2D-4010	Isolation (Water/Power/Air) and Tank Cleaning	47 3 3	24-May-21 A 27-May-21 A	19-Jul-21 A 26-May-21 A 29-May-21 A	13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21		tch Duly A Tank from No. 1 to Other Tanks ation (Water Power/Air) and Tank Cleaning
2D-4000 2D-4010 2D-4020	Isolation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scaffolding	47 3 3 3 3	24-May-21 A 27-May-21 A 31-May-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A	13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21		tch Duty A-Tahk from No. 1 to Other Tanks ation (Water Power/Air) and Tank Cleaning cction of Access Platform Scaffolding
2D-4000 2D-4010 2D-4020 2D-4030	Isolation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components	47 3 3 3 3 3 31	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A           10-Jul-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21		tch Duty A-Tahk from No. 1 to Other Tanks ation (Water Power/Air) and Tank Cleaning ction of Access Platform Scatfolding Repacement of Diffuser Membrane and Other Defective Components
2D-4000 2D-4010 2D-4020 2D-4030	Isolation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scaffolding	47 3 3 3 3	24-May-21 A 27-May-21 A 31-May-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A	13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21		tch Duty A-Tahk from No. 1 to Other Tanks ation (Water Power/Air) and Tank Cleaning cction of Access Platform Scaffolding
2D-4000 2D-4010 2D-4020 2D-4030 2D-4040	Isolation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components	47 3 3 3 3 3 31	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A           10-Jul-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21		tch Duty A-Tahk from No. 1 to Other Tanks ation (Water Power/Air) and Tank Cleaning ction of Access Platform Scatfolding Repacement of Diffuser Membrane and Other Defective Components
2D-4000 2D-4010 2D-4020 2D-4030 2D-4030 2D-4040 2D-4050	Isolation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test	47 3 3 3 3 3 31 5	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A           10-Jul-21 A           16-Jul-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21		tch Duty A-Tank from No. 1 to Other Tanks ation (Water Power/Air) and Tank Cleaning ction of Access Platform Scatfolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test
2D-4000 2D-4010 2D-4020 2D-4030 2D-4030 2D-4040 2D-4050 <b>Fank No. 2</b>	Isolation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test	47 3 3 3 3 3 31 5 2	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 17-Jul-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A           10-Jul-21 A           16-Jul-21 A           19-Jul-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21		tch Duty A-Tank from No. 1 to Other Tanks ation (Water Power/Air) and Tank Cleaning ction of Access Platform Scatfolding Repacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing
2D-4000 2D-4010 2D-4020 2D-4030 2D-4030 2D-4040 2D-4050 <b>Fank No. 2</b> 2D-4060	Isolation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tank from No. 2 to Other Tanks	47 3 3 3 3 3 3 3 1 5 2 69 3	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 17-Jul-21 A 20-Jul-21 A 20-Jul-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A           10-Jul-21 A           16-Jul-21 A           19-Jul-21 A           18-Sep-21 A           22-Jul-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21		tch Duty A-Tank from No. 1 to Other Tanks ation (Water/Power/Air) and Tank Cleaning ection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tarik from No. 2 to Other Tanks
2D-4000 2D-4010 2D-4020 2D-4030 2D-4040 2D-4050 <b>Fank No. 2</b> 2D-4060 2D-4070	Isolation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tank from No. 2 to Other Tanks Isolation (Water/Power/Air) and Tank Cleaning	47 3 3 3 3 3 3 3 5 2 2 69 3 3 3	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 17-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A           10-Jul-21 A           16-Jul-21 A           19-Jul-21 A           18-Sep-21 A           22-Jul-21 A           22-Jul-21 A           26-Jul-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21		tch Duty A-Tank from No. 1 to Other Tanks ation (Water/Power/Air) and Tank Cleaning ection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tank from No. 2 to Other Tanks Isolation (Water Power/Air) and Tank Cleaning
2D-4000 2D-4010 2D-4020 2D-4030 2D-4050 2D-4050 2D-4050 2D-4050 2D-4060 2D-4060 2D-4070 2D-4080	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding	47 3 3 3 3 3 3 3 5 2 69 3 3 3 3 3 3	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 23-Jul-21 A	19-Jul-21 A 26-May-21 A 29-May-21 A 02-Jun-21 A 10-Jul-21 A 19-Jul-21 A 19-Jul-21 A 22-Jul-21 A 22-Jul-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21		tch Duty A-Tank from No. 1 to Other Tanks ation (Water/Power/Air) and Tank Cleaning edion of Access Platform Scatfolding Repacement of Diffuser Memorane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tank from No. 2 to Other Tanks (sclation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scatfolding
2D-4000 2D-4010 2D-4020 2D-4030 2D-4030 2D-4050 <b>fank No. 2</b> 2D-4060 2D-4070 2D-4080 2D-4090	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components	47 3 3 3 3 3 3 3 5 2 69 3 3 3 3 3 3 3 3 3 6	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 23-Jul-21 A 30-Jul-21 A	19-Jul-21 A 26-May-21 A 29-May-21 A 02-Jun-21 A 10-Jul-21 A 16-Jul-21 A 18-Sep-21 A 22-Jul-21 A 26-Jul-21 A 29-Jul-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21		tch Duty A-Tank from No. 1 to Other Tanks ation (Water/Power/Air) and Tank Cleaning ection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tank from No. 2 to Other Tanks Isolation (Water Power/Air) and Tank Cleaning
2D-4000 2D-4010 2D-4020 2D-4030 2D-4030 2D-4050 <b>fank No. 2</b> 2D-4060 2D-4070 2D-4080 2D-4090	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding	47 3 3 3 3 3 3 3 5 2 69 3 3 3 3 3 3	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 23-Jul-21 A	19-Jul-21 A 26-May-21 A 29-May-21 A 02-Jun-21 A 10-Jul-21 A 19-Jul-21 A 19-Jul-21 A 22-Jul-21 A 22-Jul-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21		tch Duty A-Tank from No. 1 to Other Tanks ation (Water/Power/Air) and Tank Cleaning edion of Access Platform Scatfolding Repacement of Diffuser Memorane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tank from No. 2 to Other Tanks (sclation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scatfolding
2D-4000 2D-4010 2D-4020 2D-4030 2D-4040 2D-4050 <b>Tank No. 2</b> 2D-4060 2D-4060 2D-4070 2D-4080 2D-4090 2D-4090	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components	47 3 3 3 3 3 3 3 5 2 69 3 3 3 3 3 3 3 3 3 6	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 23-Jul-21 A 30-Jul-21 A	19-Jul-21 A 26-May-21 A 29-May-21 A 02-Jun-21 A 10-Jul-21 A 16-Jul-21 A 18-Sep-21 A 22-Jul-21 A 26-Jul-21 A 29-Jul-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21		tch. Duty A-Tank from No. 1 to Other Tanks ation (Water/Power/Air) and Tank Cleaning ection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tank from No. 2 to Other Tanks Isolation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components I Final Level Adjustment and Conduct Air Balancing Test
2D-4000 2D-4010 2D-4020 2D-4030 2D-4040 2D-4050 <b>fank No. 2</b> 2D-4060 2D-4060 2D-4060 2D-4090 2D-4090 2D-4110	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test	47 3 3 3 3 3 3 3 5 2 6 9 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 17-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 27-Jul-21 A 30-Jul-21 A 10-Sep-21 A	19-Jul-21 A 26-May-21 A 29-May-21 A 02-Jun-21 A 10-Jul-21 A 19-Jul-21 A 18-Sep-21 A 26-Jul-21 A 29-Jul-21 A 09-Sep-21 A 18-Sep-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	10	tch. Duty A-Tank from No. 1 to Other Tanks ation (Water/Power/Air) and Tank Cleaning ection of Access Platform Scatfolding Replacement of Diffuser Memorane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tank from No. 2 to Other Tanks Isolation (Water/Power/Air) and Tank Cleaning Erection of Access Platform Scatfolding Replacement of Diffuser Memorane and Other Defective Components
2D-4000 2D-4010 2D-4020 2D-4030 2D-4040 2D-4050 <b>Fank No. 2</b> 2D-4060 2D-4060 2D-4070 2D-4080 2D-4090 2D-4090 2D-4110 <b>Fank No. 3</b>	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing	47 3 3 3 3 3 3 3 5 2 69 3 3 3 3 3 3 3 3 5 5 3 3 4 1	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 23-Jul-21 A 30-Jul-21 A 30-Jul-21 A 10-Sep-21 A 20-Sep-21 A	19-Jul-21 A 26-May-21 A 29-May-21 A 02-Jun-21 A 10-Jul-21 A 16-Jul-21 A 18-Sep-21 A 26-Jul-21 A 26-Jul-21 A 29-Jul-21 A 15-Sep-21 A 18-Sep-21 A 18-Nov-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 30-Nov-21	10	tch. Duty A-Tank from No. 1 to Other Tanks ation (Water/Power/Air) and Tank Cleaning ection of Access Platform Scatfolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balanbring Test Power Reconnection and Testing Switch Duty A-Tank from No. 2 to Other Tanks Isolation (Water Power/Air) and Tank Cleaning Erection of Access Platform Scatfolding Replacement of Diffuser Membrane and Other Defective Components I Final Level Adjustment and Conduct Air Balancing Test
2D-4000 2D-4010 2D-4020 2D-4030 2D-4040 2D-4050 <b>fank No. 2</b> 2D-4060 2D-4060 2D-4070 2D-4090 2D-4090 2D-4110 <b>fank No. 3</b> 2D-4120	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 3 to Other Tanks	47 3 3 3 3 3 3 3 3 5 2 69 3 3 3 3 3 3 3 3 3 3 41 3 3	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 23-Jul-21 A 27-Jul-21 A 30-Jul-21 A 10-Sep-21 A 20-Sep-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A           10-Jul-21 A           16-Jul-21 A           19-Jul-21 A           22-Jul-21 A           26-Jul-21 A           26-Jul-21 A           26-Jul-21 A           26-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           15-Sep-21 A           18-Sep-21 A           18-Sep-21 A           23-Sep-21 A           23-Sep-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	10	tch. Duty A-Tank from No. 1 to Other Tanks ation. (Water Power/Air) and Tank Cleaning ction of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tank from No. 2 to Other Tanks Isolation. (Water Power/Air) and Tank Cleaning Erection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components I Replacement of Diffuser Membrane and Other Defective Components I Replacement of Diffuser Membrane and Other Defective Components I Replacement of Diffuser Membrane and Other Defective Components I Rower Reconnection and Testing Switch Duty A-Tank from No. 3 to Other Tanks
2D-4000 2D-4010 2D-4020 2D-4030 2D-4040 2D-4050 <b>fank No. 2</b> 2D-4060 2D-4070 2D-4080 2D-4090 2D-4090 2D-4110 <b>fank No. 3</b> 2D-4120 2D-4130	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 3 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning	47 3 3 3 3 3 3 3 5 2 69 3 3 3 3 3 3 3 3 41 3 3 3 3 3 3 3 3 3 3 3 3 3	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 23-Jul-21 A 27-Jul-21 A 10-Sep-21 A 20-Sep-21 A 24-Sep-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A           10-Jul-21 A           16-Jul-21 A           19-Jul-21 A           22-Jul-21 A           26-Jul-21 A           26-Jul-21 A           26-Jul-21 A           29-Jul-21 A           15-Sep-21 A           15-Sep-21 A           18-Sep-21 A           23-Sep-21 A           23-Sep-21 A           27-Sep-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	10	tch. Duty A-Tanki from No. 1 to Other Tanks         ation. (Water Power/Air) and Tank Cleaning.         ction of Access Platform Scaffolding.         Replacement of Diffuser Membrane and Other Defective Components.         Final Level Adjustment and Conduct Air Balancing Test.         Rower Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks.         Isolation (Water Power/Air) and Tank Cleaning.         Erection of Access Platform Scaffolding.         Replacement of Diffuser Membrane and Other Tanks.         Isolation (Water Power/Air) and Tank Cleaning.         Erection of Access Platform Scaffolding.         Replacement of Diffuser Membrane and Other Defective Components.         Inal Level Adjustment and Conduct Air Balancing Test.         I Power Reconnection and Testing.         Switch Duty A-Tanki from No. 3 to Other Tanks.         Isolation (Water Power/Air) and Candu Conduct Air Balancing Test.         I Power Reconnection and Testing.         Switch Duty A-Tanki from No. 3 to Other Tanks.         Isolation (Water Power/Air) and Tank Cleaning.
2D-4000 2D-4010 2D-4020 2D-4030 2D-4040 2D-4050 <b>fank No. 2</b> 2D-4060 2D-4070 2D-4080 2D-4090 2D-4090 2D-4110 <b>fank No. 3</b> 2D-4120 2D-4130	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 3 to Other Tanks	47 3 3 3 3 3 3 3 3 5 2 69 3 3 3 3 3 3 3 3 3 4 1 3 3 3 3 3 3 3 3 3	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 23-Jul-21 A 27-Jul-21 A 30-Jul-21 A 10-Sep-21 A 20-Sep-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A           10-Jul-21 A           16-Jul-21 A           19-Jul-21 A           22-Jul-21 A           26-Jul-21 A           26-Jul-21 A           26-Jul-21 A           26-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           15-Sep-21 A           18-Sep-21 A           18-Sep-21 A           23-Sep-21 A           23-Sep-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	10	tch. Duty A-Tank from No. 1 to Other Tanks ation. (Water Power/Air) and Tank Cleaning ction of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tank from No. 2 to Other Tanks Isolation. (Water Power/Air) and Tank Cleaning Erection of Access Platform Scaffolding Replacement of Diffuser Membrane and Other Defective Components I Replacement of Diffuser Membrane and Other Defective Components I Replacement of Diffuser Membrane and Other Defective Components I Replacement of Diffuser Membrane and Other Defective Components I Rower Reconnection and Testing Switch Duty A-Tank from No. 3 to Other Tanks
2D-4000 2D-4010 2D-4020 2D-4030 2D-4030 2D-4050 2D-4050 2D-4050 2D-4060 2D-4060 2D-4070 2D-4090 2D-4100 2D-4110 2D-41120 2D-4130 2D-4140	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 3 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning	47 3 3 3 3 3 3 3 5 2 69 3 3 3 3 3 3 3 3 41 3 3 3 3 3 3 3 3 3 3 3 3 3	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 23-Jul-21 A 27-Jul-21 A 10-Sep-21 A 20-Sep-21 A 24-Sep-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A           10-Jul-21 A           16-Jul-21 A           19-Jul-21 A           22-Jul-21 A           26-Jul-21 A           26-Jul-21 A           26-Jul-21 A           29-Jul-21 A           15-Sep-21 A           15-Sep-21 A           18-Sep-21 A           23-Sep-21 A           23-Sep-21 A           27-Sep-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	10	tch. Duty A-Tanki from No. 1 to Other Tanks         ation. (Water Power/Air) and Tank Cleaning.         ction of Access Platform Scaffolding.         Replacement of Diffuser Membrane and Other Defective Components.         Final Level Adjustment and Conduct Air Balancing Test.         Rower Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks.         Isolation (Water Power/Air) and Tank Cleaning.         Erection of Access Platform Scaffolding.         Replacement of Diffuser Membrane and Other Tanks.         Isolation (Water Power/Air) and Tank Cleaning.         Erection of Access Platform Scaffolding.         Replacement of Diffuser Membrane and Other Defective Components.         Inal Level Adjustment and Conduct Air Balancing Test.         I Power Reconnection and Testing.         Switch Duty A-Tanki from No. 3 to Other Tanks.         Isolation (Water Power/Air) and Candu Conduct Air Balancing Test.         I Power Reconnection and Testing.         Switch Duty A-Tanki from No. 3 to Other Tanks.         Isolation (Water Power/Air) and Tank Cleaning.
2D-4000 2D-4010 2D-4020 2D-4030 2D-4050 <b>ank No. 2</b> 2D-4060 2D-4060 2D-4060 2D-4080 2D-4090 2D-4100 2D-4110 <b>ank No. 3</b> 2D-4120 2D-4130 2D-4150	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 3 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Switch Duty A-Tank from No. 3 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components	47 3 3 3 3 3 3 3 3 5 2 69 3 3 3 3 3 3 3 3 3 4 1 3 3 3 3 3 3 3 3 3	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 23-Jul-21 A 30-Jul-21 A 10-Sep-21 A 20-Sep-21 A 20-Sep-21 A 24-Sep-21 A	19-Jul-21 A           26-May-21 A           29-May-21 A           02-Jun-21 A           10-Jul-21 A           16-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           29-Jul-21 A           18-Sep-21 A           18-Sep-21 A           18-Sep-21 A           18-Sep-21 A           23-Sep-21 A           27-Sep-21 A           30-Sep-21 A           30-Sep-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21		tch. Duty A-Tank from No. 1 to Other Tanks ation (Water/Power/Air) and Tank Cleaning ection of Access Platform Scatfolding Replacement of Diffuser Membrane and Other Defective Components Final Level Adjustment and Conduct Air Balancing Test: Fover Reconnection and Testing Swtch Duty A-Tank from No. 2 to Other Tanks: Isolation (Water Power/Air) and Tank Cleaning Erection of Access Platform Scatfolding Replacement of Diffuser Membrane and Other Defective Components Isolation (Water Power/Air) and Tank Cleaning Erection of Access Platform Scatfolding Replacement of Diffuser Membrane and Other Defective Components I Final Level Adjustment and Conduct Air Balancing Test Power Reconnection and Testing Switch Duty A-Tank from No. 3 to Other Tanks Isolation (Water Power/Air) and Tank Cleaning Erection of Access Platform Scatfolding Replacement of Diffuser Membrane and Other Defective Components I Final Level Adjustment and Conduct Air Balancing Test I Power Reconnection and Testing Erection of Access Platform Scatfolding Erection of Access Platform Scatfolding Erection of Access Platform Scatfolding Erection of Access Platform Scatfolding Erection of Access Platform Scatfolding Erection of Access Platform Scatfolding Erection of Access Platform Scatfolding Erection of Access Platform Scatfolding Erection of Access Platform Scatfolding Erection of Access Platform Scatfolding
2D-4000 2D-4010 2D-4020 2D-4030 2D-4050 <b>fank No. 2</b> 2D-4060 2D-4060 2D-4060 2D-4090 2D-4090 2D-4100 2D-4110 <b>fank No. 3</b> 2D-4120 2D-4120 2D-4150 2D-4160	Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 2 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 3 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test         Power Reconnection and Testing         Switch Duty A-Tank from No. 3 to Other Tanks         Isolation (Water/Power/Air) and Tank Cleaning         Erection of Access Platform Scaffolding         Replacement of Diffuser Membrane and Other Defective Components         Final Level Adjustment and Conduct Air Balancing Test	47 3 3 3 3 3 3 3 3 5 2 69 3 3 3 3 3 3 3 41 3 3 3 3 3 3 3 3 3 3 3 3 3	24-May-21 A 27-May-21 A 31-May-21 A 03-Jun-21 A 12-Jul-21 A 20-Jul-21 A 20-Jul-21 A 20-Jul-21 A 23-Jul-21 A 20-Jul-21 A 10-Sep-21 A 20-Sep-21 A 20-Sep-21 A 24-Sep-21 A 28-Sep-21 A 20-Sep-21 A	19-Jul-21 A 26-May-21 A 29-May-21 A 02-Jun-21 A 10-Jul-21 A 19-Jul-21 A 19-Jul-21 A 22-Jul-21 A 22-Jul-21 A 29-Jul-21 A 29-Jul-21 A 15-Sep-21 A 18-Sep-21 A 18-Sep-21 A 23-Sep-21 A 30-Sep-21 A 30-Sep-21 A	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 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13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21	13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 13-Oct-21 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## Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme

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		Detailed Works Pr	ogramme	
	Date	Revision	Checked	Approved
v.6	30-Sep-21	Rev. 6		
	31-Aug-21	Rev. 5		
	31-Jul-21	Rev. 4		

Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	23	
Submit/Approve Method Statement	18	01-Jun-21 A	22-Jun-21 A	04-Oct-21	04-Oct-21	<u>1</u>	1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2
	7	23-Jun-21 A	30-Jun-21 A	04-Oct-21	04-Oct-21		on urgeptote neuro o caterioni indrete Paving Removal
Trial Trench for Sheetpile	6	02-Jul-21 A	08-Jul-21 A	04-Oct-21	04-Oct-21		
	1	09-Jul-21 A	09-Jul-21 A	04-Oct-21	04-Oct-21	D	vert Sewage Flow to PST'5,6 (PST'1 4 standby)
	10	30-Sep-21	12-Oct-21	04-Oct-21	15-Oct-21	2	▶ ■ Sheetbile Installation
	2	13-Oct-21	15-Oct-21	16-Oct-21	18-Oct-21	2	Excavation to 1st/Layer of Strut
Strut and Waling Installation	7	16-Oct-21	23-Oct-21	19-Oct-21	26-Oct-21	2	
Excavation to Formation Level	5	25-Oct-21	29-Oct-21	27-Oct-21	01-Nov-21	2	B. Strut and Waling Installation     Excavation to Formation Level     Manhole Base Stab
Manhole Base Slab	5	30-Oct-21	04-Nov-21	02-Nov-21	06-Nov-21	2	• V ManhdelBase Slab
Pipe Installation (Manhole to Section before T-Joint Connection)	4	05-Nov-21	09-Nov-21	08-Nov-21	11-Nov-21	2	Pipe Installation (Manhole to Section before Tyloint Connection)
	5	10-Nov-21	15-Nov-21	12-Nov-21	17-Nov-21	2	• <sup>II</sup> Mahholé Wall • Demolition of Existing DN1200 Pige
	2	16-Nov-21	17-Nov-21	18-Nov-21	19-Nov-21	2	Demolition of Existing DN1200 Pige
	3						Pipe Testing:
	1						1 1st Night Work (Demolition of Existing DN1000 pipe and joint the new pipeline)
	1						Divert Sevage to PST 1/4
	6						Backfill/Pipeline to Ground Level
		2		20110721			Complete Zone 2A Temporary Diversion
	-	13-May-21 A		04-Oct-21			
		,					Procurement of Equipment (Civil and E&M)
							Submit/Approve Method Statement for ELS
							Submit/Approve Design for Temp. RAS Pumping Station, Diversion Chamber, and Wash Water Pumping Station
							Stage 1 - ELS Installation and Pipel Laying up to Temporary Gate Valve
	18	· ·					Stage 1 - ELS Installation: and Pipe Laving up to Temporary Gate Valve
	6	· · ·					V Stage 2 - Cut Pipe Connection in Chamber
	1						Stage 3 - Night Work for T-Junction Iristallation with Gate Valve . Stage 3 - Day operation for Plug Pipe for Diversión Temp Diversión from PST to AT
	1						Stage 3 Day operation for Plug Pipe for Diversion. Temp Diversion from PST to AT
ter Pumping Station, RAS Pumping Station, RAS Diversion Chamber		04-Oct-21		04-Oct-21			
	-					0	💈 Completion of Overnaul FST
Stage 1.2d - ELS for Temp. RAS Pumping Station	10	05-Oct-21	16-Oct-21	05-Oct-21	16-Oct-21	0	Stage 1:2d - ELSi for Temp. RAS Pumping Station
Stage 1.2c - Construction of Temp. Wash Water Pumping Station	25	08-Oct-21	06-Nov-21	11-Oct-21	09-Nov-21	2	i Stage 1 9g. Construction of Termo Wash Water Purming Station
Stage 1.2d - Construction of Temp. RAS Diversion Chamber	25	08-Oct-21	06-Nov-21	11-Oct-21	09-Nov-21	2	📕 Stage 11.2d - Construction of Terrup: RAS Diversion Chamber
Stage 1.2a - Construction of Temp. RAS Pumping Station	22	18-Oct-21	11-Nov-21	18-Oct-21	11-Nov-21	0	📕 Stage 1.2a - Construction of Temp, HAS Pumping Station
Stage 1.2e - Temp RASPS / RAS diversion chamber E&M Installation	20	21-Oct-21	12-Nov-21	23-Oct-21	15-Nov-21	2	📮 Stage 1 2e - Temp RASPS / RAS diversion chamber E&M Installation
Stage 1.2f - Temp Settled Sewage receiving chamber E&M Installation (to be deleted)	20	21-Oct-21	12-Nov-21	23-Oct-21	15-Nov-21	2	State 1.2f- Temp Settled Sewage receiving chamber E&M Installation (to be deleted)
Stage 1.2b - Construct Extension Chamber to JC "F"	10	01-Nov-21	11-Nov-21	01-Nov-21	11-Nov-21	0	Stade 1.2b - Construct Extension Chamber to JO "F"
	15	12-Nov-21	29-Nov-21	12-Nov-21	29-Nov-21	0	Stage 1.2d. Construction of Temp: PAS Diversion Chamber Stage 1.2d. Construction of Temp: PAS Diversion Chamber Stage 1.2e. Construction of Temp: PAS Pumping Station Stage 1.2e. Temp RASPS / RAS diversion chamber E&M Installation Stage 1.2f. Temp Settled Sewage receiving chamber E&M Installation Stage 1.2f. Temp Settled Sewage receiving chamber E&M Installation Stage 1.2f. Temp Settled Sewage receiving chamber E&M Installation Stage 1.2f. Temp Settled Sewage receiving chamber E&M Installation Stage 1.2f. Temp Settled Sewage receiving chamber E&M Installation Stage 1.2f. Construct Extension Chamber 10 JCI + Stage 1.2f. Lay Pipework from Temp. Wash Water PS for Connection to Existing Pipework Stage 1.3 Laying of Temp Sliddre Diework to Acarting Tank Inlight
						1	Stage 1.3 - Laying of Temp. Sludge Pipework to Aeration Tank Inlet
						1	
							Stage 1.4 - Laying pr/Temp. Sludge Ploework to Temp. Plant Room for Thickener Stage 2.2c - Temp RASPS / RAS Diversion chamber / SS Receiving Chamber/Temp WWRS/T&C
							<ul> <li>Stage 2.42 Temp Pars 7 Processing Granuer/ SS Receiving Granuer/renp wwwsstact</li> <li>Note b + Direct White Consideration Tomorenic DRd</li> </ul>
	-						Stagle 2.1 - Break Wall for Connection to Temporary PAS
							Stage 11 + Decommissioning of Existing RAS
	-						Stage 2.2a -Switch Over to Temp: FAS System
							Stage 2.2b - Plug Off Abandoned Pipe Work
	-						<ul> <li>Stage 3.1 - Temporaty Pumping between Detritors and New PST while IW is stilling progress.</li> </ul>
		· ·	-				Stage/3/2 : Temporary/Routing bitwinew PST and existing Aeration Tank (PST No.; 4 Demolition)
• • • •		· ·	-				Stage: 3.3 + Alternate Route to switch back to PST 1-4 if new PST is not yet fully operational
		21-Dec-21		21-Dec-21		0	📕 isolation for Diversion
	-					0	🕏 Complete Zane 2B Teimporary Diversion
	90	05-Oct-21	21-Jan-22	13-Oct-21		7	
			21-Jan-22				Modification Works for Auxilliany Pumping Station (22)
outing	90	01-Feb-24	30-May-24	02-Feb-24	30-May-24	0	
Early Commissioning PST Stage 1	0		01-Feb-24		11-Mar-24	27	🗴 Early Commissioning PST Stage 1
Stage 6 - Temporary Pumping between Detritors and New PST while IW is In-Progress	27	02-Feb-24	11-Mar-24	02-Feb-24	11-Mar-24	0	📕 "Stage is - Tentporary Primping between Dentitors and New PST while IW (s. In-Progress
Inlet Works T&C Complete	0		11-Mar-24		11-Mar-24	0	trilet Works T&C Complete
Demolition of PST4	0		25-Apr-24		25-Apr-24	0	Deimolittion of PST4:
Stage 6 - Temporary Routing Between New PST and Existing Aeration Tank	14	26-Apr-24	13-May-24	26-Apr-24	13-May-24	0	📕 : Stage: 6 - Temporary, Routing Between New PST and Existing Aeration Tank
Stage 6 - Alternate Route to Switch Back to PST 1-4 (contingency for PST1-4 not fully operated)	14	14-May-24	30-May-24	14-May-24	30-May-24	0	Stage 6 - Alternate Route to Switch Back to PST 1-4 (contingency for PST1-4 not fully operated
	392	01-Jun-21 A	31-Aug-22	01-Nov-21	31-Aug-22	0	
PS 1.105A Noise Mitigation Measures 2021-2022	151	01-Nov-21*		01-Nov-21		0	P\$ 1:105A Noise Mitigation Measures 20/21-20/2
•						0	Egrets Breeding Season 2022
			-			· · · ·	
							Submit/Approve/Design for Sheetpiles
						L	Produrement and Delivery of Sheetoiles
							Submit/Approve Method Statement for Sheetpiling Works
		12-Oct-21		UD-INOV-21			MBR Stage 1 - Sheet Piles Install (approx. 391 m, 9,390m2 @ 120m2/d)
Completion temporary Diversion		04.1		10 5 1 55			🚬 🕺 Completion Temporary Diversion
						15	
Demolition of Existing Aeration Tank No. 5, 6, 7 & 8	55	24-Jan-22	04-Apr-22	16-Feb-22	25-Apr-22	14	Démoition of Existing Aeration Tank No. 5, 6, 7.8;8
Demolition of Return Activated Sludge Screw Pumps PS (16) & Chamber (33)	47	24-Jan-22	25-Mar-22	26-Feb-22	26-Apr-22	23	Demolition of Existing Aeration Tank No. 5, 6, 7 & 8 Demolition of Return Activated Sludge Screw Pumps:PS (16) & Chamber (33)
Demolition of Flow Measurement Chamber (34) & SSD Chamber (32)	24	26-Feb-22	25-Mar-22	25-Mar-22	26-Apr-22	23	Demolition of Flow Measurement Chamber (34) & SSD Chamber (32)
Demolition of Settled Sewage Overflow Chamber (31)	24	26-Feb-22	25-Mar-22	25-Mar-22	26-Apr-22	23	📕: Demolition of Settled Sewage Overflow Chamber (81)
Demolition of Auxilliary Pumping Station (19)	24	08-Mar-22	04-Apr-22	24-Mar-22	25-Apr-22	14	Demolition of Aukilliary Pumping Station (19)
						·	· · · · · · · · · · · · · · · · · · ·
Tanks	141	05-Oct-21	29-Mar-22	23-Nov-21	29-Mar-22	0	
	Dues Bewage Flow in PSF 56 (PST 1-4 standby) Senergie Installation Exercation to Ita Layer of Stud Stut and Walking Installation Personation to Formation Level Manche Baas Stab Pipe Installation Marchele Is Studion bafver T-Joint Connaction) Manchel Vall Downto of Essing DM1200 Ppe Ppe Testing Ita Vapt Wok (Denotion of Essing DM1000 ppe and pint the new pipeline) Downt Sewage to PST 1-4 BackHill Ppeler to Gound Level Compilete Zone 2A Temporary Unversion Programment of Essing DM1200 Ppe Ppe Testing Ita Vapt Wok (Denotion Torke Stands Approve Design for Temp. RAS Pumping Station, Diversion Charber, and Wash Water Pumping Station <b>Statis Approve Design for Temp.</b> RAS Pumping Station, Diversion Charber, and Wash Water Pumping Station <b>Statis Approve Design for Temp.</b> RAS Pumping Station, Diversion Charber, and Wash Water Pumping Station <b>Stage 1</b> : ALS Installation and Ppe Laying up to Temporary Gate Valve Stage 2: AL Ppe Control Charber Stage 3: Lay operation in Charber Stage 3: Lay Operation in Charber Stage 3: Lay Operation in Charber Stage 3: Lay Control Charber Stage 1: 2: Controls for Temp. RAS Pumping Station Stage 1: 2: Controls for Temp. RAS Pumping Station Stage 1: 2: Controls for Temp. RAS Pumping Station Stage 1: 2: Controls for Temp. RAS Pumping Station Stage 1: 2: Controls for Temp. RAS Pumping Station Stage 1: 2: Controls for Temp. RAS Pumping Station Stage 1: 2: Controls for Temp. RAS Pumping Station Stage 1: 2: Construction of Temp. RAS Pumping Station Stage 1: 2: Construction of Temp. 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RAS Pumping Station Stage 2: 2: Event KAS Pass Pumping Station Stage 2: 2: Event KAS Pass Pumping Station Temp KAS Stage 1: 1: Downtation Statis RAS Pumping Station (2: Competition Patheter 5: Controls Controls for KAS Pass Stage 2: 2: Event KAS Pass Pumping Stati	Concents Parking Parroval 7  That Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Sheerpile 7  Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch Too Full Tranch	Concent Private Power         7         22.021 A           Thir Third Thirds The Streption         6         00.001 A           Devel Sweage Power DYST 5.001 STT 1.4 stardby)         1         00.001 A           Devel Sweage Power DYST 5.001 STT 1.4 stardby)         2         15.002 A           Extra and Waining Power DYST 5.001 STT 2.4 stardby)         2         15.002 A           Extra and Waining Power DYST 5.001 STT 2.5 stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stardby Stard	Corresping Partner         7         22-Audr 24         60-Audr 24           The Time Inc. Is Seeping         0         60-Audr 24         60-Audr 24           Developing Inclusion         10         60-Audr 24         60-Audr 24           Developing Inclusion         10         60-Audr 24         60-Audr 24           Developing Inclusion         10         60-Audr 24         60-Audr 24           Developing Inclusion         7         10-Audr 24         70-Audr 24           Developing Inclusion         7         10-Audr 24         70-Audr 24           Developing Inclusion         7         10-Audr 24         70-Audr 24           Developing Inclusion         7         10-Audr 24         70-Audr 24           Developing Inclusion         7         10-Audr 24         70-Audr 24           Developing Inclusion         7         10-Audr 24         70-Audr 24           Developing Inclusion         7         10-Audr 24         70-Audr 24           Developing Inclusion         7         10-Audr 24         70-Audr 24           Developing Inclusion         7         10-Audr 24         70-Audr 24           Developing Inclusion         7         10-Audr 24         70-Audr 24           Developing Inclusion	Control Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source Source	Content Prints Resource         ?         Shami'A         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia         BitAlia	Concept Among Termony         [7]         P.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A         W.J.M.21A



## Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme

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		Detailed Works Pr	ogramme	
	Date	Revision	Checked	Approved
ev.6	30-Sep-21	Rev. 6		
	31-Aug-21	Rev. 5		
	31-Jul-21	Rev. 4		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	_	_		2022		202	3		2024	_
		ongoui	Luiy Guit	Luny rinish	Late our	Later ministr	Total Float	23	Q4	Q1 Q2	Q3 C	Q4 Q1	Q2	Q3 Q4	Q1	Q2 Q	. <mark>3 C</mark>
Z2T-180	Demolition of Final Sedimentation Tank No.5-6 (6 and 37)	50	24-Jan-22	29-Mar-22	24-Jan-22	29-Mar-22	0	1 1	1111					3 34 3 3 3			44
Z2T-180B	Demolition of Washwater Pumping Station (18)	25	24-Jan-22 24-Jan-22	23-Wai-22 28-Feb-22	24-Jan-22 24-Jan-22	28-Feb-22	0	┼╌┼╌	++++		lition of Was			Tank No.5-6		<i>*1</i>	+-+-+
		1271	15-Jan-22	05-Feb-26	24-Mar-22	07-Nov-26	236		+++	💻 Demo	intion of yvas	nwater Pi	imping 5	ation (18)		╶┼╌┽╌┾╌┾╵	·
	eactor & Auxillary Facility (MBR and AF)								4-4-4				4-4-4-4-				
MBR Stage 1 and Al		881	15-Jan-22	07-Nov-24	24-Mar-22	07-Nov-24	0										
MBR Foundation and		156	15-Jan-22	01-Aug-22	24-Mar-22	17-Aug-22	14			<u>.</u>							
MBR-1460	MBR Stage 1 - Monitoring Installation and Pumping Test	21	15-Jan-22	15-Feb-22	29-Mar-22	26-Apr-22	56		444					and Pumpi	ing Test		4-4-4
MBR-1000	MBR Stage 1 - Site Clearance	25	08-Mar-22	06-Apr-22	24-Mar-22	26-Apr-22	14				BR Stage 1						
MBR-1440	MBR Stage 1 - Setup and Mobilization	7	29-Mar-22	06-Apr-22	19-Apr-22	26-Apr-22	14		444		BR Stage 1						4-4-4
MBR-1030	MBR Stage 1 - ELS Excavation (+5.0 to +4.0mPD)	15	07-Apr-22	27-Apr-22	27-Apr-22	16-May-22	14	+						(+5.0 to +4.			
MBR-1040	MBR Stage 1 - Strut Installation S1 (+4.0mPD)	7	28-Apr-22	06-May-22	17-May-22	24-May-22	14							n S1 (+4.0m			
MBR-1050	MBR Stage 1 - ELS Excavation (+4.0 to +0.5mPD)	15	28-Apr-22	17-May-22	17-May-22	02-Jun-22	14		4-4-4					n (+4.0 tp +			4-4-4
MBR-1060	MBR Stage 1 - Strut Installation S2 (+0.5mPD)	7	18-May-22	25-May-22	04-Jun-22	11-Jun-22	14						+	on S2 (+0.5r			
MBR-1070	MBR Stage 1 - ELS Excavation (+0.5 to -2.5mPD)	15	18-May-22	04-Jun-22	04-Jun-22	21-Jun-22	14	+	444					on (+0.5 to			4-4-4
MBR-1080	MBR Stage 1 - Strut Installation S3 (-2.5mPD)	7	06-Jun-22	13-Jun-22	22-Jun-22	29-Jun-22	14	<u> </u>			MBR Stag	ge 1 - Stru	it Installa	tion S3 (-2.5	5mPD)		4-4-4
MBR-1090	MBR Stage 1 - ELS Excavation (-2.5 to -5.5mPD)	15	06-Jun-22	22-Jun-22	22-Jun-22	09-Jul-22	14	<b>.</b>						ition (-2.5 to		2	4.4.4
MBR-1100	MBR Stage 1 - Strut Installation S4 (-5.5mPD)	7	23-Jun-22	30-Jun-22	11-Jul-22	18-Jul-22	14							ation \$4 (-5			
MBR-1110	MBR Stage 1 - ELS Excavation (-5.5 to -9.3mPD)	15	23-Jun-22	11-Jul-22	11-Jul-22	27-Jul-22	14	1						/ation (-5.5 t			
MBR-1120	MBR Stage 1 - Strut Installation S5 (-8.2mPD)	7	12-Jul-22	19-Jul-22	28-Jul-22	04-Aug-22	14	<b>.</b>	4.4.4		MBRS	Stage 1 - S	strut Insta	allation S5 (-	-8,2mPD)		444
MBR-1130	MBR Stage 1 - ELS Excavation (-9.3 to -12.3mPD)	18	12-Jul-22	01-Aug-22	28-Jul-22	17-Aug-22	14				MBR	Stage 1 -	ELS Exca	avation (+9.3	3 to +12.3	mPD)	
	I ELS Works Stage 2	216	01-Mar-24	07-Nov-24	01-Mar-24	07-Nov-24	0	<b> </b>									
MBR-1240	Egrets Breeding Season 2024	184	01-Mar-24*	31-Aug-24	01-Mar-24	31-Aug-24	0	╡┊╻								MBR	Eg
MBR-1280	MBR Stage 2 - Site Clearance	9	26-Apr-24	07-May-24	11-May-24	22-May-24	12	1.1.1								MBR	Stage
MBR-1450	MBR Stage 2 - Site Setup & Mobilization	7	08-May-24	16-May-24	23-May-24	30-May-24	12			<u></u>			<u>, , i i</u>	<u></u>		MBR	Stage
MBR-1290	MBR Stage 2 - Sheet Piles Install (9,286m2 @ 120m2/d)	77	31-May-24	30-Aug-24	31-May-24	30-Aug-24	0		10								ME
MBR-1470	MBR Stage 2 - Monitoring Installation and Pumping Test	21	07-Aug-24	30-Aug-24	07-Aug-24	30-Aug-24	0										ME
MBR-1300	MBR Stage 2 - ELS Excavation (+5.0 to +4.0mPD)	11	31-Aug-24	12-Sep-24	31-Aug-24	12-Sep-24	0										I M
MBR-1310	MBR Stage 2 - Strut Installation S1 (+4.0mPD)	5	13-Sep-24	19-Sep-24	16-Oct-24	21-Oct-24	25										I N
MBR-1320	MBR Stage 2 - ELS Excavation (+4.0 to +0.5mPD)	11	13-Sep-24	26-Sep-24	13-Sep-24	26-Sep-24	0										<b>I</b> N
MBR-1330	MBR Stage 2 - Strut Installation S2 (+0.5mPD)	5	27-Sep-24	03-Oct-24	22-Oct-24	26-Oct-24	19										1
MBR-1340	MBR Stage 2 - ELS Excavation (+0.5 to -2.5mPD)	11	27-Sep-24	10-Oct-24	27-Sep-24	10-Oct-24	0		111	**************************************	1111		1111	11111			
MBR-1350	MBR Stage 2 - Strut Installation S3 (-2.5mPD)	5	12-Oct-24	17-Oct-24	28-Oct-24	01-Nov-24	13										
MBR-1360	MBR Stage 2 - ELS Excavation (-2.5 to -5.5mPD)	11	12-Oct-24	24-Oct-24	12-Oct-24	24-Oct-24	0		111								
MBR-1370	MBR Stage 2 - Strut Installation S4 (-5.5mPD)	5	25-Oct-24	30-Oct-24	02-Nov-24	07-Nov-24	7		111	÷			1-1-1-1-	÷			i i i
MBR-1380	MBR Stage 2 - ELS Excavation (-5.5 to -9.3mPD)	12	25-Oct-24	07-Nov-24	25-Oct-24	07-Nov-24	0		111			1 1 1 1	1111				111
MBR Structure Stage		441	18-Aug-22	20-Feb-24	18-Aug-22	20-Feb-24	0		111	****	·	tt to the	1-1-1-1-				447
MBR-1140	MBR Stage 1 - Base/Grd Floor Slab	77	18-Aug-22	18-Nov-22	18-Aug-22	18-Nov-22	0		'i i i i	*****		MBRS	tade 1 - F	Base/Grd Flo	loor Slab		
MBR-1160	MBR Stage 1 - Wall and 1/F Slab	62	19-Nov-22	09-Feb-23	19-Nov-22	09-Feb-23	0	1-1-1	· • • • • •					ge 1: - Wall a			· • • • • •
MBR-1180	MBR Stage 1 - Wall and Roof Slab	62	10-Feb-23	27-Apr-23	10-Feb-23	27-Apr-23	0	1-1-1	1111					R Stage 1 -			diritit
MBR-1200	MBR Stage 1 - BS and ABWF Works	240	28-Apr-23	20-Feb-24	28-Apr-23	20-Feb-24	0	+						1 Stage 1 1		/IBR Stage	
Ancillary Facilities S	•	138	08-May-23	20-Oct-23	13-May-23	27-Oct-23	5	+	444				+-+-+-		· · · · · · · · · · · · · · · · · · ·	ion olage	1.1.1.1.1
MBR-1150	Construct Ancilliary Facilities - Structure Ground Floor	46	08-May-23	03-Jul-23	13-May-23	08-Jul-23	5		111	****	+++++	****		Construct	Abcillian/	Eacilitide -	Struct
MBR-1170	Construct Ancilliary Facilities - Structure First Floor	46	04-Jul-23	25-Aug-23	10-Jul-23	31-Aug-23	5							Construct			
MBR-1190	Construct Ancilliary Facilities - Structure Roof Floor	46	26-Aug-23	20-Oct-23	01-Sep-23	27-Oct-23	5	+	+++	· <u></u> +- <u>+</u> -∔-∔-		•	+-+-+-			Ancilliary Fa	
MBR Stage 1 E&M In	·	331	10-Aug-23	23-Sep-24	28-Oct-23	23-Sep-24	0	1-1-1	1111	+++++++++++++++++++++++++++++++++++++++	+++++++++++++++++++++++++++++++++++++++	++++++	1-1-1-1-	+ 4	JIISUUCLA	I KINAIY Fa	tenties
MBR-1220	MBR - E&M Stage 1 Sludge Pre-thickeners System	170	10-Aug-23	08-Mar-24	28-Oct-23	30-May-24	65									MBR - E&I	M Star
MBR-1209	MBR Stage 1 - E&M Handover	0	18-Aug-23	00 1110 2 1	28-Oct-23	00 may <u>2</u> :	58	+	4-4-4	· · · · · · · · · · · · · · · · · · ·	·	• • • • • • • • • •	+-+-+-+-	S MBR S	Sthap 1		vi Glat
MBR-1210	MBR - E&M Stage 1 AGS System	170	21-Oct-23	24-May-24	28-Oct-23	30-May-24	5		++++	+ + + + + + + + + + + + + + + + + + + +			+		stage 1-		
MBR-1230	MBR - E&M Stage 1 Penstock/stoplogs	80	21-Feb-24	30-May-24	21-Feb-24	30-May-24	0	+	· <del> </del> - <del> </del> - <del> </del>	+++++++++++++++++++++++++++++++++++++++	+++++++++++++++++++++++++++++++++++++++	• • • • • • • • • •		+ + + +			R - E&i
MBR-1250	MBR - E&M Stage 1 Instrumentation	45	31-May-24	24-Jul-24	31-May-24	24-Jul-24	0	+		÷	·	• + • + • + • + •	+-+-+-				
MBR-1260	MBR - E&M Stage 1 Electrical (Cabling/LCP, Termination)	96	31-May-24	23-Sep-24	31-May-24	23-Sep-24	0		++++								
MBR-1270	MBR - E&M Stage 1 BS Installation (ELV, Ventilation, FS, PD)	96	31-May-24	23-Sep-24 23-Sep-24	31-May-24	23-Sep-24 23-Sep-24	0	+	$\cdot$	÷		•	+-+-+-+-	+			N N
MBR Stage 2 Struct		308	08-Nov-24	23-36p-24 24-Nov-25	08-Nov-24	05-Feb-26	60	h-t-t-t	·			·	+-+-+-	+-+-+-			
· · · · ·				1					· { - { - { - { - { - { - } - } - } - } -	+			+-+-+-+-				
MBR Structure Stage MBR-1390	MBR Stage 2 - Base/Grd Floor Slab	308 40	08-Nov-24 08-Nov-24	24-Nov-25	08-Nov-24 08-Nov-24	05-Feb-26	60 0	<b></b>		÷	·	•+•+•	+-+-+-				
		40		24-Dec-24		24-Dec-24	0	+		+	+++++++++++++++++++++++++++++++++++++++		+-+-+-				
MBR-1400	MBR Stage 2 - Wall and 1/F Slab		27-Dec-24	22-Feb-25	27-Dec-24	22-Feb-25	-	┿╍┿╍╋	4-4-4				·	$\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}{2},\frac{1}$			
MBR-1420	MBR Stage 2 - Wall and Roof Slab	44	24-Feb-25	16-Apr-25	24-Feb-25	16-Apr-25	0	+		÷			+				
MBR-1430	MBR Stage 2 - BS and ABWF Works	180	17-Apr-25	24-Nov-25	04-Jul-25	05-Feb-26	60		4-4-4				+-+-+-+-	++++++			4-4-4
MBR Stage 2 E&M In		118	17-Apr-25	09-Sep-25	17-Apr-25	05-Feb-26	122		4-4-4	÷						,	
ATALMBR-1030	MBR - E&M Stage 2 AGS System	70	17-Apr-25	15-Jul-25	17-Apr-25	15-Jul-25	0			+++++++++++++++++++++++++++++++++++++++							
ATALMBR-1040	MBR - E&M Stage 2 Sludge Pre-thickeners System	70	17-Apr-25	15-Jul-25	17-Apr-25	15-Jul-25	0		444								4-4-4
ATALMBR-1050	MBR - E&M Stage 2 Penstock/stoplogs	48	17-Apr-25	18-Jun-25	19-May-25	15-Jul-25	22		4-4-4								
ATALMBR-1049	MBR Stage 2 - E&M Handover	0	17-Apr-25	40.4	19-May-25	40.1	22	┼╌┊╌┃		+ + - + - + - + - +							
ATALMBR-1060	MBR - E&M Stage 2 Instrumentation	24	16-Jul-25	12-Aug-25	16-Jul-25	12-Aug-25	0	┼╬╢	444				4-4-4-4-				4-4-4
ATALMBR-1070	MBR - E&M Stage 2 Electrical (Cabling/LCP, Termination)	30	16-Jul-25	19-Aug-25	02-Jan-26	05-Feb-26	140	↓↓↓									444
ATALMBR-1080	MBR - E&M Stage 2 BS Installation (ELV, Ventilation, FS, PD)	48	16-Jul-25	09-Sep-25	16-Jul-25	09-Sep-25	0	<b>↓</b> .↓.			4444						4.4.4
MBR and AF E&M T		429	24-Sep-24	05-Feb-26	24-Sep-24	05-Feb-26	0										
ATALMBR-1000	MBR - AGS Stage 1 - T&C - Equipment SAT	87	24-Sep-24	08-Jan-25	24-Sep-24	08-Jan-25	0	111						11111			
ATALMBR-1010	MBR - AGS T&C - Seeding (20,000 m3/d)	16	09-Jan-25	27-Jan-25	09-Jan-25	27-Jan-25	0			<u>, , , , ,</u> , ,			1115	<u>, , , , , </u>	<u>, I I I</u>		
ATALMBR-1020	AGS - T&C - Sludge Stabilisation (20,000 m3/d)	132	03-Feb-25	15-Jul-25	03-Feb-25	15-Jul-25	0										
ATALMBR-1150	MBR - AGS Testing and Commissioning Plan Submission and Approval	120	21-Jun-25	12-Nov-25	21-Jun-25	12-Nov-25	0										
ATALMBR-1090	AGS - T&C - Process Start-up (35,000 m3/d)	70	16-Jul-25	06-Oct-25	16-Jul-25	06-Oct-25	0							THÌ			
ATALMBR-1100	MBR - AGS Stage 2 - T&C - Equipment SAT	52	10-Sep-25	12-Nov-25	10-Sep-25	12-Nov-25	0		Шİ	TTTŤ			TTT	TITT	TTT		TT
ATALMBR-1110	AGS - T&C - 7 Days Demonstration (35,000 m3/d)	6	08-Oct-25	14-Oct-25	08-Oct-25	14-Oct-25	0										
ATALMBR-1120	AGS - T&C - Process Commissioning (35,000 m3/d)	24	15-Oct-25	12-Nov-25	15-Oct-25	12-Nov-25	0		111	TTTT			1111	11111			111
ATALMBR-1145	AGS - Installation and Set-Up for SCADA System	14	27-Oct-25	12-Nov-25	27-Oct-25	12-Nov-25	0										
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Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme Project ID : DWP.DPr6\_210930 Layout : DC201910 DWP rev. Page 18 of 27

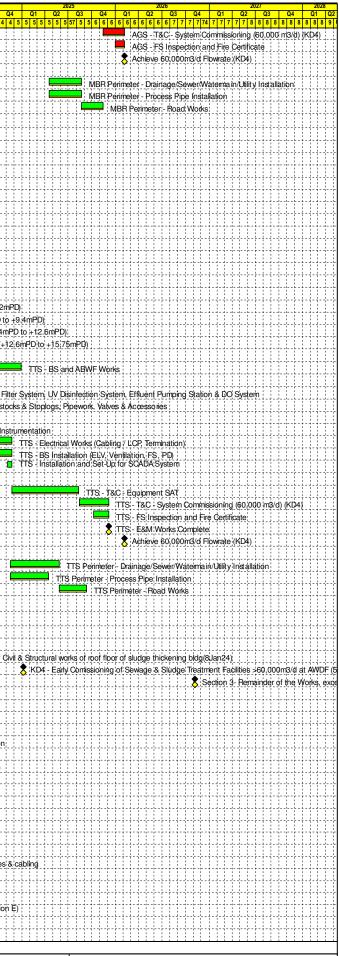
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		Detailed Works Pr	ogramme	
	Date	Revision	Checked	Approved
v.6	30-Sep-21	Rev. 6		
	31-Aug-21	Rev. 5		
	31-Jul-21	Rev. 4		

	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float		Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2
	A00. T00. Output Oceanies (00.000.co/d) (//D4)		40 Nov 05	05 5-6 00	40 Nov 05	05 E-1 00		1 1 1 1 1 1 1 1 17 1 1 2	2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 4 4 4 4
ATALMBR-1130	AGS - T&C - System Commissioning (60,000 m3/d) (KD4)	70	13-Nov-25	05-Feb-26	13-Nov-25	05-Feb-26	0		
ATALMBR-1140	AGS - FS Inspection and Fire Certificate	32	30-Dec-25	05-Feb-26	30-Dec-25	05-Feb-26	0	· · · · · · · · · · · · · · · · · · ·	
PKD4	Achieve 60,000m3/d Flowrate (KD4)	0		05-Feb-26		05-Feb-26	0		
xternal Works - Main	Istream Bio-Reactor System Perimeter	172	17-Apr-25	14-Nov-25	14-Apr-26	07-Nov-26	288		
W-1000	MBR Perimeter - Drainage/Sewer/Watermain/Utility Installation	102	17-Apr-25	21-Aug-25	14-Apr-26	14-Aug-26	288		
W-1010	MBR Perimeter - Process Pipe Installation	102	17-Apr-25	21-Aug-25	14-Apr-26	14-Aug-26	288	·?· <mark>·</mark> ·····	******
W-1030	MBR Perimeter - Road Works	70	22-Aug-25	-		07-Nov-26	288	- <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <u>  - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <del> </del> - <u>  - <u>  - <u>  - <u> </u> - <u> </u> - − <del> </del> - <u>  - <u>  - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u> </u> - <u>  - <u> </u></u></u></u></u></u></u></u>	
			×	14-Nov-25	15-Aug-26			·┾ <mark>·</mark> ·┽·┽·┽·┾·┾·┽·┽·┽	
rtriary Treatment Sy	ystem (TTS)	1336	01-Nov-21	05-Feb-26	01-Nov-21	29-Apr-26	71		
oundation and ELS		319	01-Nov-21	07-Nov-22	01-Nov-21	06-Jan-23	52		
IMM-2125	PS 1.105A Noise Mitigation Measures 2021-2022	151	01-Nov-21*	31-Mar-22	01-Nov-21	31-Mar-22	0	PG 1	105A Noise Mitigation Measures 2021-2022
BS-2135	Egrets Breeding Season 2022	184	01-Mar-22*	31-Aug-22	01-Mar-22	31-Aug-22	0	······································	<u></u>
						-	-		Egrets Breeding Season 2022
TS-1000	TTS - Site Clearance	18	06-Apr-22	29-Apr-22	09-Jun-22	29-Jun-22	49		S - Site Olearance
TS-1010	TTS - Sheet Piles Install (4,639m2 @120m2/d)	52	30-Apr-22	04-Jul-22	30-Jun-22	30-Aug-22	49		TTS - Sheet Piles Install (4,639m2 @120m2/d)
TS-1230	TTS - Monitoring Installation and Pumping Test	21	09-Jun-22	04-Jul-22	06-Aug-22	30-Aug-22	49	H	TTS - Monitoring Installation and Pumping Test
TS-1020	TTS - ELS Excavation (+5.0 to +3.5mPD)	25	05-Jul-22	02-Aug-22	31-Aug-22	29-Sep-22	49		TTS - ELS Excavation (+5.0 to +3.5mPD)
TS-1030	TTS - Strut Installation S1 (+4.5mPD)	14	03-Aug-22	-	28-Oct-22	12-Nov-22	71		
			-	18-Aug-22					TTS - Strut Installation S1 (+4.5mPD)
TS-1040	TTS - ELS Excavation (+3.5 to +0.5mPD)	25	03-Aug-22	31-Aug-22	30-Sep-22	31-Oct-22	49		TTS - EL\$ Excavation (+3;5 to +0.5mPD)
TS-1050	TTS - Strut Installation S2 (+1.5mPD)	14	01-Sep-22	17-Sep-22	14-Nov-22	29-Nov-22	60		TTS - Strut Installation S2 (+1.5mPD)
TS-1060	TTS - ELS Excavation (+0.5 to -2.4mPD)	25	01-Sep-22	30-Sep-22	01-Nov-22	29-Nov-22	49		TTS - EL\$ Excavation (+0.5 to -2.4mPD)
TS-1070	TTS - Box Paft Foundation (-2.4 to -0.80mPD)	30	03-Oct-22	07-Nov-22	30-Nov-22	06-Jan-23	49		
									TTS- Box Raft Foundation (-2:4 to -0:80m
ructure		280	08-Nov-22	21-Oct-23	07-Jan-23	19-Dec-23	49		
TS-1080	TTS - Wall to G/F Slab (-0.8mPD to +2.7mPD)	60	08-Nov-22	19-Jan-23	07-Jan-23	24-Mar-23	49		TT\$ - Wall to G'FStab (-0.8 mPD to
TS-1090	TTS - Wall to G/F Slab (+2.7mPD to +6.2mPD)	60	27-Jan-23	11-Apr-23	25-Mar-23	09-Jun-23	49		TTS - Wall to G/F Slab (+2.7n
	, , , , , , , , , , , , , , , , , , ,	60		· ·			49		
TS-1100	TTS - Structure to Roof (+6.2mPD to +9.4mPD)		12-Apr-23	23-Jun-23	10-Jun-23	21-Aug-23		·┝╺ <mark>╸</mark> ╸╡╸╡╸╡╸┾╺┝╺┝╸╡╸╡╸╡╸ᢤ	TTS Structure to Roof
TS-1110	TTS - Structure to Roof (+9.4mPD to +12.6mPD)	60	24-Jun-23	02-Sep-23	22-Aug-23	02-Nov-23	49		TTS - Structure to
TS-1120	TTS - Structure to Roof (+12.6mPD to +15.75mPD)	40	04-Sep-23	21-Oct-23	03-Nov-23	19-Dec-23	49		TT\$ - Structur
S & ABWF Works		390	04-Sep-23	30-Dec-24	14-Oct-24	05-Feb-26	325		
	TTC PC and ADWE Works							-+- <mark>-</mark> -+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+	╶┾╶┾╴┽╴┪╴┪╴┾╶┾╶┾╶┽╶┥╴┥╴┥╴┥╴┥ <mark>╴┷╸┷╸┷╸┢╸┢╸┢╸</mark>
TS-1130	TTS - BS and ABWF Works	390	04-Sep-23	30-Dec-24	14-Oct-24	05-Feb-26	325		
&M Installation Work	(S )	320	24-Oct-23	22-Nov-24	20-Dec-23	22-Jan-25	49		
TS-1140	TTS - Disc Filter System, UV Disinfection System, Effluent Pumping Station & DO System	148	24-Oct-23	27-Apr-24	20-Dec-23	27-Jun-24	49		
TS-1150	TTS - Penstocks & Stoplogs, Pipework, Valves & Accessories	148	24-Oct-23	27-Apr-24	20-Dec-23	27-Jun-24	49		
				27-40-24		27-0011-24			
TS-1139	TTS - E&M Handover	0	24-Oct-23		20-Dec-23		49		👗 TTS - E&M Ha
TS-1160	TTS- Instrumentation	48	29-Apr-24	26-Jun-24	28-Jun-24	23-Aug-24	49		
TS-1170	TTS - Electrical Works (Cabling / LCP, Termination)	124	27-Jun-24	22-Nov-24	24-Aug-24	22-Jan-25	49		
TS-1180	TTS - BS Installation (ELV, Ventilation, FS, PD)	124	27-Jun-24	22-Nov-24	24-Aug-24	22-Jan-25	49	***	******
					-				
TS-1185	TTS - Installation and Set-Up for SCADA System	14	07-Nov-24	22-Nov-24	07-Jan-25	22-Jan-25	49		
sting and Commissi	ioning (T&C) - KD4	377	23-Nov-24	05-Feb-26	23-Jan-25	05-Feb-26	0		
TS-1190	TTS - T&C - Equipment SAT	208	23-Nov-24	11-Aug-25	23-Jan-25	09-Oct-25	49		
TS-1200	TTS - T&C - System Commissioning (60,000 m3/d) (KD4)	98	12-Aug-25	06-Dec-25	10-Oct-25	05-Feb-26	49		****
			-						
TS-1210	TTS - FS Inspection and Fire Certificate	50	09-Oct-25	06-Dec-25	06-Dec-25	05-Feb-26	49		
TS-1220	TTS - E&M Works Complete	0		06-Dec-25		05-Feb-26	49		
KD4a	Achieve 60,000m3/d Flowrate (KD4)	0		05-Feb-26		05-Feb-26	0		
ternal Works -Tertia	ry Treatment System Perimeter	240	16-Nov-24	10-Sep-25	07-Jul-25	29-Apr-26	183		
					07-Jul-25		183		
W-1100	TTS Perimeter - Drainage/Sewer/Watermain/Utility Installation	150	16-Nov-24	26-May-25		03-Jan-26			
W-1070	TTS Perimeter - Process Pipe Installation	120	16-Nov-24	15-Apr-25	07-Jul-25	26-Nov-25	183		
W-1120	TTS Perimeter - Road Works	90	27-May-25	10-Sep-25	05-Jan-26	29-Apr-26	183		
ne 3 Constructio		1878	09-Nov-20 A	08-Nov-26	30-Sep-21	09-Nov-27	313		
									****
age 1		1878	09-Nov-20 A	07-Nov-26	30-Sep-21	09-Nov-27	313		
S1	Confirm Zone 3 Temporary Diversion Scheme	0		16-Jun-21 A		30-Sep-21		onfirm Zone 3 Temporary E	iversion Scheme
		0				· · ·	0		
3S1-3000	Completion of Stage 1			24-Jan-22*		24-Jan-22	0	S Completion	
(D20	KD10 - Completion of Civil & Structural works of roof floor of sludge thickening bldg(8Jan24)	0		09-Dec-23*		08-Jan-24	30		🕏 KD10 - Cor
YKD14	KD4 - Early Comissioning of Sewage & Sludge Treatment Facilities >60,000m3/d at AWDF (5 Feb 26)	0		06-Jan-25*		05-Feb-26	395		
C13	Section 3- Remainder of the Works, except Landscape Softworks & Establishment Works (sd+2190d=08NOV2026)	0		07-Nov-26*		08-Nov-26	1		··
dvance Works		318	02-Jul-21 A	30-Jul-22	30-Sep-21	24-Jun-23	263		
									+++++++++++++++++++++++++++++++++++++++
	Sludge / Supernatant Pumping Station	162	02-Jul-21 A	13-Jan-22	30-Sep-21	13-Jan-22	0		
ATALZ3S1-2000	CMS - Pumps	24	02-Jul-21 A	29-Jul-21 A	30-Sep-21	30-Sep-21		CMS - Pumps	
ATALZ3S1-2060	Method Statement for Thickened Sludge / Supernatant Pumping Station	20	20-Aug-21 A	16-Oct-21	30-Sep-21	16-Oct-21	0	·····	for Thickened Sludge / Supernatant Pumping Statio
Z3S1-2070	Civil Structural Construction for Thickened Sludge / Supernatant Pumping Station	46	16-Sep-21 A	12-Nov-21	18-Oct-21	12-Nov-21	0		onstruction for Thickened Sludge / Supernatant Pumping State
							-		Astruction for Inickened Sludge / Supernatant Pum
ATALZ3S1-2140	E&M installation of pumping system c/w pipework & valves & cabling	35	13-Nov-21	23-Dec-21	13-Nov-21	23-Dec-21	0		on of pumping system c/w pipework & valves & cablir
ATALZ3S1-2180	T&C (Functional test for Thickened Sludge / Supernatant Pumping System)	15	24-Dec-21	13-Jan-22	24-Dec-21	13-Jan-22	0	📕 🛛 T&C (Functi	ohal test for Thickened Sludge / Supernatant Pumpir
elocation of Heater Ro	Dom	80	20-Aug-21 A	24-Dec-21	30-Sep-21	24-Dec-21	0		
ATALZ3S1-2080	CGS - Method Statement Submission and Approval for Relocation	25	20-Aug-21 A	22-Oct-21	30-Sep-21	22-Oct-21	0		tement Submission and Approval for Relocation
		30	-				0		
Z3S1-2090	Civil Structural Construction for Heating Room		18-Sep-21 A	27-Oct-21	23-Oct-21	27-Oct-21	-		nstruction for Heating Room
ATALZ3S1-2150	Relocation works c/w T&C	48	30-Oct-21	24-Dec-21	30-Oct-21	24-Dec-21	0	Relocation wo	ırks∶c/w T&C
emporary Polymer Pre	eparation & Dosing System	111	02-Aug-21 A	13-Jan-22	08-Oct-21	13-Jan-22	0		
ATALZ3S1-2020	CMS - Polymer Preparation System & Pumps	27	02-Aug-21 A	02-Oct-21	08-Oct-21	09-Oct-21	6	CMS - Palumar Pror	aration System & Pumps
			-				-	- <u></u>	
Z3S1-2100	Civil Structural Construction for Polymer Preparation & Dosing System	50	02-Sep-21 A	02-Nov-21	11-Oct-21	09-Nov-21	6	<mark> </mark>	nstruction for Polymer Preparation & Dosing System
ATALZ3S1-2160	E&M installation of polymer preparation & dosing system c/w pipework & valves & cabling	35	03-Nov-21	13-Dec-21	15-Nov-21	24-Dec-21	10	E&M installatio	on of polymer preparation & dosing system d/w pipew
ATALZ3S1-1220	T&C (Functional test for Polymer Preparation & Dosing System)	14	28-Dec-21	13-Jan-22	28-Dec-21	13-Jan-22	0		onal test for Polymer Preparation & Dosing System
	Ioride (FeCI3) Dosing System	111	20-Aug-21 A	13-Jan-22	30-Sep-21	13-Jan-22	0		THE PLAN IN CONTRACT OF MARINE A POSING CASES
ICIOCATION OF FEITIC ON									<u>╶</u> ┿╍ <u>┥</u> ┛╗╗╧╪╌ <u>╞</u> ┶┥┥┥╝╗┥┿╌ <u>╞</u> ╶┨╴╦┥┥┥┥┥
	CGS - Method Statement Submission and Approval for Relocation	22	20-Aug-21 A	16-Oct-21	15-Oct-21	29-Oct-21	11	GGS - Method Stat	tement Submission and Approval for Pelocation the construction for Temporary Sludge Pump Cham
ATALZ3S1-2040			30-Sep-21*	09-Oct-21	30-Sep-21	09-Oct-21	0	UU diversion prior to	rtne construction for lemporary Sludge Pump Cham
ATALZ3S1-2040	UU diversion prior to the construction for Temporary Sludge Pump Chamber (Location E)	8	30-3ep-21					[1] 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	
ATALZ3S1-2040 Z3S1-2055		50					0	_ L _ <mark>.</mark> _ J _ J _ J	
ATALZ3S1-2040 Z3S1-2055 Z3S1-2110 ATALZ3S1-2170	UU diversion prior to the construction for Temporary Sludge Pump Chamber (Location E) Civil Structural Construction for FeCl3 Dosing System Relocation Works of FeCl3 Dosing System		11-Oct-21 13-Nov-21	08-Dec-21 24-Dec-21	11-Oct-21 13-Nov-21	08-Dec-21 24-Dec-21	0	Civil Structural	Construction for FeCl3 Dosing System orks of FeCl3 Dosing System



Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme Project ID : DWP.DPr6\_210930 Layout : DC201910 DWP rev. Page 19 of 27



	I	Detailed Works Pr	ogramme	
	Date	Revision	Checked	Approved
v.6	30-Sep-21	Rev. 6		
	31-Aug-21	Rev. 5		
	31-Jul-21	Rev. 4		

	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	ZUZZ         ZUZZ         ZUZZ           Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2           Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2
ATALZ3S1-1230	T&C (Functional test FeCl3 Dosing System)	14	28-Dec-21	13-Jan-22	28-Dec-21	13-Jan-22	0	1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2
	ludge Pumping System and Forward Pumping Station	14	02-Aug-21 A	17-Jan-22	08-Nov-21	20-Sep-22	196	I&G (FUNCTIONAL TEST FEOI3 DOSING System)
ATALZ3S1-2030	CMS - Digested Sludge Pump / Forward Pump	22	02-Aug-21 A	26-Aug-21 A	08-Nov-21	08-Nov-21	130	
		53					01	CMS - Digested Sludge Pump / Forward Pump
23S1-2050	Civil Structural Construction for Digested Sludge Pumping System		31-Aug-21 A	03-Nov-21	08-Nov-21	09-Dec-21	31	Civil Structural Construction for Digested Sludge Pulmping System
TALZ3S1-2200	E&M installation of digested sludge pump c/w pipework & valves & cabling at Stage 1A	36	04-Nov-21	15-Dec-21	10-Dec-21	24-Jan-22	31	E&M installation of digested sludge pump c/w pipework & valves & c
TALZ3S2-1030	E&M installation of digested sludge pump c/w pipework & valves & cabling at Stage 2	15	16-Dec-21	05-Jan-22	22-Aug-22	07-Sep-22	196	E&M installation of digested sludge pump c/w pipework & valves &
TALZ3S2-1040	T&C (Functional test for Digested Sludge Pumping System)	10	06-Jan-22	17-Jan-22	08-Sep-22	20-Sep-22	196	📕 T&C (Functional test for Digested Sludge Pumping System)
mporary Primary Slu	udge Pumping Station (P)	75	02-Aug-21 A	30-Dec-21	15-Dec-21	22-Mar-22	63	
3TD1-4040	CMS - Primary Sludge Pump	22	02-Aug-21 A	26-Aug-21 A	18-Dec-21	18-Dec-21		CMS:- Primary Studge Pump
3TD1-4015	UU diversion prior to the construction for Temporary Primary Sludge Pumping Station(Primary Sludge Draw-off Chamber)	3	30-Sep-21*	04-Oct-21	15-Dec-21	17-Dec-21	63	CMS - Primary Sludge Pump 1 UU diversion prior to the construction for Temporary Primary Sludge Pump
3TD1-4010	Civil Structural Construction of Temporary Primary Sludge Pumping Station (Location D)	40	05-Oct-21	20-Nov-21	18-Dec-21	12-Feb-22	63	Civil Structural Construction of Temporary Primary Sludge Pumping Sta
3TD1-4100	E&M Installation of Primary Sludge Pump for pipework & cabling	24	18-Nov-21	15-Dec-21	10-Feb-22	09-Mar-22	63	= = = = = = = = = = = = = = = = = = =
								- Edwinistancein er i nindely blodge i dinp for pipewont a babiling
3TD1-4110	T&C (Functional test for Pumping System)	11	16-Dec-21	30-Dec-21	10-Mar-22	22-Mar-22	63	= 🖣 T&C (Functional test for Pumping System)
s Holder 2 (GH2)		71	01-Sep-21 A	25-Nov-21	02-Nov-21	24-Dec-21	25	╶ <mark>╢╶<u>┶╴</u>┥╴╧╸╬╴╬╶╬╌╬╴╫╴╫╴╫╴╬╴╬╴╫╴╫╴╢╴╬╴╬╴╬╶╫╴╫╴╢╴╢╴╢╴╢╴╢╴╢╴╢╴╢╸╢╸╢╸╢╸╢╸╢╸╢╸╢╸╢╸╢╸╢╸</mark>
TALZ3S1-1200	CGS - Method Statement Submission and Approval	71	01-Sep-21 A	25-Nov-21	02-Nov-21	24-Dec-21	25	CGS - Method Statement Submission and Approval
TALZ3S1-1210	Examination Works for BH No.2 c/w T&C	25	28-Oct-21	25-Nov-21	26-Nov-21	24-Dec-21	25	Examination Works for BH No.2 c/w T&C
s Holder 1 (GH1)		206	13-Nov-21	30-Jul-22	17-Mar-22	24-Jun-23	263	
TALZ3S2-1000	Submission & Approval of Method Statement	60	13-Nov-21*	25-Jan-22	17-Mar-22	01-Jun-22	97	Submission & Approval of Method Statement
ALZ3S2-1010	Procurement of parts	72	26-Jan-22	30-Apr-22	02-Jun-22	26-Aug-22	97	Procurement of parts
ALZ3S2-1020	Overhaul works	20	03-May-22	26-May-22	27-Aug-22	20-Sep-22	97	Overhaul works
						· ·		· · · · · · · · · · · · · · · · · · ·
TALZ3S3-1000	Overhaul works	39	27-May-22	13-Jul-22	20-Apr-23	06-Jun-23	263	Overhaul works
TALZ3S3-1050	Re-commissioning	15	14-Jul-22	30-Jul-22	07-Jun-23	24-Jun-23	263	Re-commissioning
omissions		76	17-Jun-21 A	15-Oct-21	30-Sep-21	08-Jan-22	72	
sign Submission		15	17-Jun-21 A	05-Jul-21 A	30-Sep-21	08-Jan-22		
DZ3S1-1140	Pipework Sizing Calculation for Zone 3 Temporary Diversion	15	17-Jun-21 A	05-Jul-21 A	30-Sep-21	30-Sep-21		Pipework/Sizing/Calculation for Zone 3 Temporary Diversion
DZ3S1-1150	Design of Temporary Water Heater House	15	17-Jun-21 A	05-Jul-21 A	23-Oct-21	23-Oct-21		Design of Temporary Water Heater House
DZ3S1-1180	Design of 400m3 for Sludge Holding Tank	15	17-Jun-21 A	05-Jul-21 A	08-Jan-22	08-Jan-22		Design; of 400m3 for Sludge; Holding Tank;
		15						
DZ3S1-1190	Design of 400m3 for Sludge Thickening Tank		17-Jun-21 A	05-Jul-21 A	08-Jan-22	08-Jan-22		Design of 400m3 for Sludge Thickening Tank
terial Submission		19	06-Jul-21 A	27-Jul-21 A	30-Sep-21	30-Sep-21		<mark>.</mark>
DZ3S1-1200	Temp. Sludge Pipes, Fittings, Support and all Accessories	19	06-Jul-21 A	27-Jul-21 A	30-Sep-21	30-Sep-21		Temp. Sludge Pipes, Fittings, Support and all Accessories
DZ3S1-1210	Temp. Water Pipes, Fittings, Support and all Accessories	19	06-Jul-21 A	27-Jul-21 A	30-Sep-21	30-Sep-21		Temp. Water Pipes, Fittings, Support and all Accessories
DZ3S1-1220	Temp. Biogas Pipes, Fittings, Support and all Accessories	19	06-Jul-21 A	27-Jul-21 A	30-Sep-21	30-Sep-21		Temp. Biogas Pipes, Fittings, Support and all Accessories
thod Statement Sub	missions	15	17-Jul-21 A	02-Oct-21	13-Oct-21	15-Oct-21	10	
DZ3S1-1260	Installation works for Temporary Diversion Pipework	15	17-Jul-21 A	30-Sep-21	15-Oct-21	15-Oct-21	11	Installation works for Temporary Diversion Pipework
		15	17-Jul-21 A	30-Sep-21	15-Oct-21	15-Oct-21		······································
DZ3S1-1270	Construction of Temporary Water Heater House			· · ·			11	Construction of Temporary Water Heater House
DZ3S1-1280	Relocation of pipework including Biogas Pipe, Sludge Pipe, Heat Water Pipe	15	17-Jul-21 A	02-Oct-21	13-Oct-21	15-Oct-21	10	Relocation of pipework Including Biogas Pipe, Sludge Pipe, Heat Water P
ocurement		76	17-Jun-21 A	15-Oct-21	30-Sep-21	15-Oct-21	0	
DZ3S1-1290	Advise of material availabilities and lead time for material	6	17-Jun-21 A	23-Jun-21 A	30-Sep-21	30-Sep-21		dvise of material availabilities and lead time for material
DZ3S1-1300	Review of material with DSD ST1/AECOM	6	24-Jun-21 A	30-Jun-21 A	30-Sep-21	30-Sep-21		Review of material with DSD:ST1/AECOM
DZ3S1-1310	Confirm material procurement	6	01-Jul-21 A	07-Jul-21 A	30-Sep-21	30-Sep-21		Contirm material produrement
DZ3S1-1230	Temp. Sludge Pipes, Fittings, Support and all Accessories (min duration allowed, subject to size and availabilities)	50	17-Jul-21 A	15-Oct-21	30-Sep-21	15-Oct-21	0	
DZ3S1-1240	Temp. Vater Pipes, Fittings, Support and all Accessories (min duration allowed, subject to size and availabilities)	50	17-Jul-21 A	15-Oct-21	· ·		0	Temp: Sludge Pipes, Fittings, Support and all Accesspries (min.duration a
					30-Sep-21	15-Oct-21		Temp, Water Pipes, Fittings, Support and all Accessories (min duration al
DZ3S1-1250	Temp. Biogas Pipes, Fittings, Support and all Accessories (min duration allowed, subject to size and availabilities)	50	17-Jul-21 A	15-Oct-21	30-Sep-21	15-Oct-21	0	Temp. Biogas Pipes, Fittings, Support and all Accessories (min duration a
erhaul Works At Ex	kisting SHT Footprint	202	09-Nov-20 A	21-Jul-21 A	30-Sep-21	09-Nov-27		
S1a.7-40	Completion Overhaul SHT No. 3 and No. 4	0		21-Jul-21 A		09-Nov-27		Completion Overhaul SHT No. 3 and No. 4
verhaul at SHT		202	09-Nov-20 A	21-Jul-21 A	30-Sep-21	30-Sep-21		
TALZ3S1A-2000	Method Statement / PMAC Submission and Approval for SHTs	67	09-Nov-20 A	28-Jan-21 A	30-Sep-21	30-Sep-21		ement / PMAC Submission and Abbroval for SHTs
TALZ3S1A-2010	Removal of Sludge at SHT 1	41	29-Jan-21 A	24-Mar-21 A	30-Sep-21	30-Sep-21		l of Sludge at SHT 1
	-				· ·	· ·		
TALZ3S1A-2020	Removal of Sludge at SHT 2	36	09-Mar-21 A	23-Apr-21 A	30-Sep-21	30-Sep-21		val <mark>o</mark> f \$ludge at \$HT 2
TALZ3S1A-2030	Switch Duty to SHT 1 & 2 and Isolation of SHT 3 & 4	2	24-Apr-21 A	26-Apr-21 A	30-Sep-21	30-Sep-21		Duty to SHT 1 & 2 and Isolation of SHT 3 & 4
TALZ3S1A-2040	Removal of Sludge at SHT 3	38	27-Apr-21 A	11-Jun-21 A	30-Sep-21	30-Sep-21		emoval of Sludge at SHT 3
TALZ3S1A-2050	Removal of Sludge at SHT 4	49	24-May-21 A	21-Jul-21 A	30-Sep-21	30-Sep-21		Removal of Sludge at SHT 4
erhaul Works At Ex	kisting SDT Footprint	281	09-Nov-20 A	02-Oct-21	02-Oct-21	02-Oct-21	0	
S1a.7-30	Completion Overhaul SDT No. 3 and No. 4	0		02-Oct-21*		02-Oct-21	0	🗴 Cómplétión /Oveřhaul SDT No. 3 and No. 4
OT No. 1 and 2		105	09-Nov-20 A	20-Mar-21 A	02-Oct-21	02-Oct-21	5	
	Mothed Statement / DMAC Submission and Approval for SDTa			20-Mar-21 A 24-Dec-20 A	02-Oct-21 02-Oct-21	02-Oct-21 02-Oct-21		
TALZ3S1-1000	Method Statement / PMAC Submission and Approval for SDTs	40	09-Nov-20 A					ent / PMAC Submission and Approval for SDTs
TALZ3S1-1010	Overhaul of Bell Valves, Air Pelief Valves, Sludge Feed Valves for SDT No. 1 & 2	16	28-Dec-20 A	15-Jan-21 A	02-Oct-21	02-Oct-21		ell Valves, Air Relief Valves, Sludge Feed Valves for SDT No. 1 & 2
ALZ3S1-1020	Water Filling and Purging of SDT 1 & 2	17	16-Jan-21 A	04-Feb-21 A	02-Oct-21	02-Oct-21		and Purging of SDT 1 & 2
ALZ3S1-1060	Recommissioning of SDT No. 1 & 2	14	05-Feb-21 A	27-Feb-21 A	02-Oct-21	02-Oct-21		sioning of SDT No. 1 & 2
3S1A-2040	Temporary Sludge Pipework Connection to the Methane Compressor House at Existing SDT	18	01-Mar-21 A	20-Mar-21 A	02-Oct-21	02-Oct-21		ry Sudge Pipework Connection to the Methane Compressor House at Existing \$
T No. 3 and 4		194	01-Mar-21 A	25-Sep-21 A	02-Oct-21	02-Oct-21		Trease and the second second to be the trease of the second the second the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco
ALZ3S1-1070	Isolation of No. 3 & 4 and Conduct Water Filling and Purging	194	01-Mar-21 A	22-Mar-21 A	02-Oct-21	02-Oct-21		
								of No. 3 & 4 and Conduct Water Filling and Purging
ALZ3S1-1080	Removal of Tanks Cover and Set Up of Ventilation Fan for SDT No. 3 & 4	5	23-Mar-21 A	27-Mar-21 A	02-Oct-21	02-Oct-21		I of Tanks Cover and Set Up of Ventilation Fan for SDT No. 3 & 4
ALZ3S1-1090	Modify Sludge Feed Pipe and Drain Sludge to Level Below the Side Access Manhole	32	29-Mar-21 A	10-May-21 A	02-Oct-21	02-Oct-21		fy Sudge Feed Pipe and Drain Sludge to Level Below the Side Access Manhol
TALZ3S1-1100	Confine Space Assessment	4	11-May-21 A	14-May-21 A	02-Oct-21	02-Oct-21		firle Space Assessment
TALZ3S1-1110	Manual Removal of Remaining Bottom Sediments for SDT 3 & 4 at Stage 1	96	15-May-21 A	07-Sep-21 A	02-Oct-21	02-Oct-21		Manual Removal of Remaining Bottom Sediments for SDT 3 & 4 at Stage 1
TALZ3S1-1120	Tools Removal and Final Inspection	4	07-Sep-21 A	11-Sep-21 A	02-Oct-21	02-Oct-21		Tools Removal and Final Inspection
ALZ3S1-1130	Water Filling of SDT No. 3 & 4 with Purging for Recommissioning	16	11-Sep-21 A	25-Sep-21 A	02-Oct-21	02-Oct-21		Water Filling of SDT No. 3 & 4 with Purging for Recommissioning
		180	17-Jun-21 A	20-Jan-22	16-Oct-21	17-May-22	88	
Existing STB	Emeral Falsier Discussion (OTD)							
-	Exposed Existing Pipeworks (STB)	41	17-Jun-21 A	04-Oct-21	01-Nov-21	11-Nov-21	32	<b>.</b>
DZ3S1-1010	Method Statement for Temporary Consolidation Tank and Polymer Dosing System	27	17-Jun-21 A	19-Jul-21 A	01-Nov-21	01-Nov-21		Me hod Statement for Temporary Consolidation Tank and Polymer Dosing Syste
DZ3S1-1120	Trial Pits at Existing Consolidation Tanks - for pump pit depth and P.S. and S.A.S. Buffer Tank	14	20-Jul-21 A	04-Oct-21	09-Nov-21	11-Nov-21	32	Trital Pits at Existing Consolidation Tanks - for pump pit depth and P.S. an
age 1: Laying of Dive	ersion Pipeworks (STB)	168	02-Jul-21 A	20-Jan-22	16-Oct-21	17-May-22	88	
3S1A-2000	Method Statement for Waste Storage Area (40)	27	02-Jul-21 A	30-Sep-21	01-Nov-21	01-Nov-21	25	Method Statement for Waste Storage Area (40)
	Laying of Diversion Pipework - Sludge Pipe Diverson	30	16-Oct-21	19-Nov-21	16-Oct-21	19-Nov-21	0	Laving of Diversion Pipework - Sludge Pipe: Diversion
		00		101107-21		101101-21		
DZ3S1-1100 3S1A-2010	Demolition of Waste Storage Area (40)	50	20-Nov-21	20-Jan-22	14-Mar-22	17-May-22	88	Demolition of Waste Storage Area (40)



## Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme

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Q4 Q1 Q2	025 Q3 Q4 Q1	2026 Q2 Q3 Q4 Q1	Q2 Q3	Q4 Q1 Q2
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at Stage 2				
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	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	23 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2
Existing SHT			30-Jul-21 A	13-Dec-21	26-Oct-21	24-Jan-22	33	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2
-	version Pipeworks (SHT)-1	85	30-Jul-21 A	09-Nov-21	03-Dec-21	13-Jan-22	53	
Z3S1-1160	Trial Pits at Sludge Dewatering House - for pipe crossing	14	30-Jul-21 A	15-Oct-21	03-Dec-21	16-Dec-21	53	Trial Pits at Sludge Dewatering House for pipe brossing
Z3S1-1170	Laying of Diversion Pipework - Heating Water Peturn Pipe, Gas Pipe, Underground Pipework	21	16-Oct-21*	09-Nov-21	17-Dec-21	13-Jan-22	53	Laving of Diversion Pipework - Heating Water Petum Pipe, Cas Pipe,
je 1: Decommissi	ioning of Existing UU Corridor	62	30-Sep-21	13-Dec-21	26-Oct-21	24-Jan-22	33	
52-3070	Completion Overhaul SDT No. 3 and No. 4	0		30-Sep-21		26-Oct-21	21	Completion Overhaul SDT No. 3 and No. 4
S1A-2020	Decommission Underground Utilities Corridor for Isolation of SHT 3 & 4	7	04-Oct-21	11-Oct-21	29-Oct-21	05-Nov-21	21	Decommission Underground Utilities Corridor for Isolation of SHT 3 & 4
S1A-2030	Demolition of SHT 3 & 4 (10) (method of construction and method to be reviewed)	38	12-Oct-21	25-Nov-21	06-Nov-21	20-Dec-21	21	Demolition of SHT 3 & 4 (10) (method of construction and method to
S1a.7-20	Switch Duty to SDT No. 1 and No. 2 (9) for SHT Demolition	7	12-Oct-21	20-Oct-21	06-Nov-21	13-Nov-21	21	Switch Duty to SDT No. 1 and No. 2 (9) for SHT Demolitioh
S1A-3020	Sheetpiling works for SHT 4 (10) (method of construction and method to be reviewed)	15	26-Nov-21	13-Dec-21	07-Jan-22	24-Jan-22	33	Sheetpiling works for SHT 4 (10) (method of construction and method
e 1A		174	17-Jun-21 A	13-Jan-22	30-Sep-21	27-Jan-22	12	
A-3010	Completion of Stage 1A	0		13-Jan-22*		13-Jan-22	0	Completion of Stage 1A
	ng STB - Sludge Diversion	151	06-Jul-21 A	04-Jan-22	08-Oct-21	27-Jan-22	20	
1a.5-10	Temporary work design for RC works	15	06-Jul-21 A	22-Jul-21 A	08-Jan-22	08-Jan-22		Ternporary work design for RC works
1a.5-20	Construction of Temporary Consolidation Tank and Polymer Dosing System	45	23-Jul-21 A	06-Oct-21	08-Jan-22	13-Jan-22	81	Construction of Temporary Consolidation Tank and Polymer Dosing Syste
3S1-1090	UU diversion prior to the construction for Temporary Gravity Thickening Tank (400m3) (Location A)	13	30-Sep-21*	16-Oct-21	08-Oct-21	23-Oct-21	6	
3S1-1070	Construction of Polymer Dosing System	53	18-Oct-21	17-Dec-21	12-Nov-21	15-Jan-22	22	Construction of Polymer Dosing System
3S1-1330	Construct Temporary Gravity Thicke ning Tank (400m3)	45	18-Oct-21	08-Dec-21	25-Oct-21	15-Dec-21	6	Construct Temporary Gravity Thickening Tank (400m3)
3S1-1110	Sludge Divert to Consolidation Tank C3 & C4 as Buffer Tank	12	20-Nov-21	03-Dec-21	14-Jan-22	27-Jan-22	44	Sludge Divert to Consolidation Tank C3 & C4 as Buffer Tank
3S1-1340	Construct Temporary Gravity Thickening Tank (400m3) (E&M)	20	09-Dec-21	04-Jan-22	16-Dec-21	11-Jan-22	6	Construct Temporary Gravity Thickening Tank (400m3) (E&M)
3S1-1080	Systems Relocation of C1 & C2 and Sludge Thickening House	7	18-Dec-21	28-Dec-21	17-Jan-22	24-Jan-22	22	Systems Relocation of C1 & C2 and Sludge Thickening House
	ng SHT - Temporary Sludge Holding Tank	150	17-Jun-21 A	13-Dec-21	30-Sep-21	13-Dec-21	0	
1a.6-10	Procurement for SHT Pumps	50	17-Jun-21 A	18-Aug-21 A	30-Sep-21	30-Sep-21		Procurement for \$HT Pumps
1a.7-10	Completion Overhaul SHT	0		21-Jul-21 A		30-Sep-21		Completion Overhaul SHT
3S1-1350	UU diversion prior to the construction for Temporary Sludge Holding Tank (240m3) (Location B)	7	16-Aug-21 A	23-Aug-21 A	25-Oct-21	25-Oct-21		UU diversion prior to the construction for Temporary Sludge Holding Tank (24
3S1-1060	Construct Temporary Sludge Holding Tank (240m3) (Location B)	42	23-Aug-21 A	08-Oct-21	25-Oct-21	01-Nov-21	19	Construct Temporary Sludge Holding Tank (240m3) (Location B)
3S1-1360	UU diversion prior to the construction for Temporary Water Heater Pump House (Location C)	13	03-Sep-21 A	17-Sep-21 A	13-Dec-21	13-Dec-21		UU diversion prior to the construction for Temporary Water Heater Pump H
3S1-1320	Construct Temporary Water Heater Pump House (Location C)	42	30-Sep-21	19-Nov-21	30-Sep-21	19-Nov-21	0	Construct Temporary Water Heater Pump House (Location C)
2-2360	Connection to Temporary SHT and Dewate ing House	20	20-Nov-21	13-Dec-21	20-Nov-21	13-Dec-21	0	Connection to Temporary SHT and Dewatering House
2		223	13-Dec-21	20-Sep-22	13-Dec-21	11-Oct-22	16	
-3020	Completion of Stage 2	0		20-Sep-22*		20-Sep-22	0	Completion of Stage 2
e 2 : New Sludge	e Thickening Building (STB) at	106	20-Dec-21	10-May-22	20-Dec-21	21-May-22	10	
2-3080	Completion Demolition of SHT 3 & 4 (10)	0		20-Dec-21*		20-Dec-21	0	Completion Demolition of SHT 3 & 4 (10)
LZ3S1-1050	Switching Duty to SDT No.1 to No. 3 (9) for STB Demolition and Utility Corridor Construction	14	05-Jan-22	20-Jan-22	12-Jan-22	27-Jan-22	6	Switching Duty to SDT No.1 to No. 3 (9) for STB Demolition and
2-2030	Demolition of Existing Sludge Thickening House (8, Air Floatation Thickener)	38	21-Jan-22	12-Mar-22	28-Jan-22	19-Mar-22	6	Demolition of Existing Sludge Thickening House (8, Air Float
2-2040	Demolition of Consolidation Tank (7) C1 & C2	24	21-Jan-22	24-Feb-22	16-Feb-22	15-Mar-22	16	Pemolition of Consolidation Tank (7) C1 & C2
LZ3S1-2210	Switching Duty to SDT No.3 to No. 4 (9) for STB Construction	14	14-Mar-22	29-Mar-22	21-Mar-22	06-Apr-22	6	Switching Duty to SDT No.3 to No. 4 (9) for STB Constructi
ge 2 : STB Pre-dril		71	10-Feb-22	10-May-22	09-Mar-22	21-May-22	10	
S3-3400	Environment GI (8 nos., 7d/no. , 2 rigs) & Submit RAP Report to EPD (30 days)	58	10-Feb-22	22-Apr-22	09-Mar-22	21-May-22	23	Environment GI (8 nos., 7d/np.), 2 rigs) & Submit RAP Re
S3-3050	Predrilling Works (2 nos. STB-PD1,2)	18	25-Feb-22	17-Mar-22	16-Mar-22	06-Apr-22	16	Predrilling Works (2 hos. STB-PD1,2)
S3-2030	Predrilling Works (5 nos. STB-PD3,6,7,9,10)	41	14-Mar-22	05-May-22	24-Mar-22	17-May-22	9	Predrilling Works (5 nos. \$TB-PD3,6,7,9,10)
S3-2020	Predrilling Works (4 nos. STB-PD4,5,8,11)	30	30-Mar-22	10-May-22	07-Apr-22	17-May-22	6	Predrilling Warks (4 nos. STB-PD4,5,8,11)
e 2 : Existing Slu	ludge Holding Tanks	61	13-Dec-21	04-Mar-22	13-Dec-21	07-Mar-22	2	
S1a.7-60	Completion Connection to Temporary SHT & Dewatering House	0		13-Dec-21*		13-Dec-21	0	S Completion Connection to Temporary SHT & Dewatering House
32.5-10	Demolition of Existing Water Heater House	38	14-Dec-21	29-Jan-22	15-Jan-22	07-Mar-22	25	Demolition of Existing Water Heater House
1a.7-50	Completion Demolition of SHT 3 & 4 (10)	0		20-Dec-21*		20-Dec-21	0	Completion Demolition of SHT 3 & 4 (10)
62-2010	Demolition of SHT 1 & 2 (10)	36	15-Jan-22	04-Mar-22	15-Jan-22	04-Mar-22	0	Demolition of SHT 1 & 2 (10)
ge 2 : Biogas Hold	lder No. 1	162	05-Mar-22	20-Sep-22	05-Mar-22	20-Sep-22	0	
SH-1000	Biogas Holder No. 1 - Ground Improvement Including Surcharge	126	05-Mar-22	08-Aug-22	05-Mar-22	08-Aug-22	0	Biogas Holder No. 1 - Ground Improvement Inclu
H-1010	Biogas Holder No. 1 - 800 Thick Base Slab	36	09-Aug-22	20-Sep-22	09-Aug-22	20-Sep-22	0	Biogas Holder No. 1 - 800 Thick Base Slab
e 2 : Utility Corri	idor Construction	188	20-Jan-22	14-Sep-22	22-Mar-22	11-Oct-22	21	
2-2350	Switching Duty to SDT No.1 to No. 3 (9)	0		20-Jan-22		22-Mar-22	46	Switching Duty to SDT No.1 to No. 3 (9)
e 2 : Utility Corric		188	21-Jan-22	14-Sep-22	23-Mar-22	20-Sep-22	5	
	dation and ELS Works	161	21-Jan-22	12-Aug-22	23-Mar-22	18-Aug-22	5	
IS2-2340	UC/PP 3 - Site Setup & Mobilization	12	21-Jan-22	10-Feb-22	23-Mar-22	06-Apr-22	46	⊨ UC/PP 3 - Site Setup & Mobilization
IS2-2060	UC/PP 3 - Sheetpile Installation (2,674m2 @90m2/d)	30	31-Mar-22	11-May-22	07-Apr-22	17-May-22	5	UC/PP 3- Sheetple Installation (2,674m2@90m2/d)
S2-3050	UC/PP 3 - Monitoring Installation and Pumping Test	21	12-Apr-22	11-May-22	21-Apr-22	17-May-22	5	UC/PP 3 - Monitoring Installation and Pumping Test
IS2-2070	UC/PP 3 - ELS, Excavation (+6.0 to +4.0mPD)	20	12-May-22	04-Jun-22	18-May-22	10-Jun-22	5	UC/PP/3 - ELS, Excavation (+6.0 to +4.0mPD)
S2-2090	UC/PP 3 - ELS, Excavation (+4.0 to +1.5mPD)	20	01-Jun-22	24-Jun-22	08-Jun-22	30-Jun-22	5	UC/PP 3 - ELS, Excavation (+4.0 to +1.5mPD)
S2-2080	UC/PP 3 - ELS, Strut Installation S1 (+4.0mPD)	12	06-Jun-22	18-Jun-22	27-Jun-22	11-Jul-22	18	UC/PP 3 - ELS; Excavation (+4;010;+1;311FD)
S2-2160	UC/PP 3 - Marine Sediments Treatment and Disposal	30	06-Jun-22	11-Jul-22	20-Jun-22	25-Jul-22	12	UC/PP 3 - Marine Sediments Treatment and Dispos
S2-2100	UC/PP 3 - ELS, Strut Installation S2 (+1.5mPD)	12	25-Jun-22	09-Jul-22	12-Jul-22	25-Jul-22	13	UC/PP 3:- ELS, Strut Installation S2 (+1.5mPD)
S2-2110	UC/PP 3 - ELS, Excavation (+1.5 to -1.0mPD)	20	25-Jun-22	19-Jul-22	02-Jul-22	25-Jul-22	5	UC/PP 3 - ELS, Excavation (+1.5 to -1.0mPD)
S2-2120	UC/PP 3 - ELS, Strut Installation S3 (-1.0mPD)	12	20-Jul-22	02-Aug-22	26-Jul-22	08-Aug-22	5	UC/PP/3 ELS, Etrut Installation S3 (-1.0mPD)
S2-2130	UC/PP 3 - ELS, Excavation (-1.0 to -3.75mPD)	21	20-Jul-22	12-Aug-22	26-Jul-22	18-Aug-22	5	UC/PP 3:- ELS, Excavation (-1.0 to -3.75mPD)
	and Structural Works	27	13-Aug-22	14-Sep-22	19-Aug-22	20-Sep-22	5	- · · · · · · · · · · · · · · · · · · ·
S2-2370	UC/PP 3 - Structure (-3.75 to -2.20mPD, Base Slab) at Stage 2	27	13-Aug-22	14-Sep-22	19-Aug-22	20-Sep-22	5	UC/PP 3 - Structure (3.75 to -2.20mPD, Base
e 2 : Utility Corric		30	25-Jun-22	30-Jul-22	16-Aug-22	11-Oct-22	59	
	dation and ELS Works	30	25-Jun-22 25-Jun-22	30-Jul-22 30-Jul-22	16-Aug-22	11-Oct-22	59	╉┟ <mark>╴┫╴╛╶╛╶╛╶╛╶╛╶╛╴╛╴╛╴╛╴╛╴╛╴╛╴╛╴╛╴╛╴╛╴╛╴╛╴╛</mark>
S2-2150	UC/PP 2 - Sheetpile Installation (2,674m2 @90m2/d)	30	25-Jun-22	30-Jul-22 30-Jul-22	16-Aug-22	20-Sep-22	43	UC/PP 2 + Sheetpile Installation (2.674m2 @90m
352-2150 3S2-3060	UC/PP 2 - Sheetpile Installation (2,074112 (@90112/0) UC/PP 2 - Monitoring Installation and Pumping Test	21	07-Jul-22	30-Jul-22 30-Jul-22	15-Sep-22	20-Sep-22 11-Oct-22	43 59	UC/PP 2 + Sheetpile Installation (2,674m2 @90m
-		367	23-Apr-22	24-Jun-23	05-May-22	28-Jun-23	39	
2020	Completion of Store 2		20101-22		00-1viay-22			
-3030	Completion of Stage 3	0	00 4 00	24-Jun-23*	05 14 00	24-Jun-23	0	Scompletion of Stage 3
e 3 : New Sludge	e Thickening Building (STB) (Continued)	245	23-Apr-22	02-Feb-23 17-Jan-23	05-May-22 05-May-22	24-Jun-23	122 12	
e 3 : STB Founda		231	23-Apr-22			31-Jan-23		

Paul Y 保華-中國中鐵聯營體 Paul Y-CREC JOINT VENTURE

DWP Rev.5 Actual Work Remaining Work Critical Remaining Work tract DC/2019/10 - YLEPP - Main Works for Sta Detailed Works Programme Project ID : DWP.DPr6\_210930 Layout : DC201910 DWP rev. Page 21 of 27

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381a.7-70         Complete Predrill           383-2090         STB - Driven H-pi           383-2090         STB - Sheetpile I           383-2180         STB - Sheetpile I           383-2180         STB - Submit to O           383-3280         STB - Submit to O           383-2290         STB - ELS, Strutt           383-2290         STB - ELS, Strutt           383-2290         STB - ELS, Strutt           383-2420         STB - ELS, Strutt           383-2170         Construction of F           383-2170         Construction of F           383-2170         Construction of F           383-2170         Construction of F           383-2170         Construction of F           383-2170         Construction (           ge 3 : Utility Corridor No. 1         Corpeas Holder No.           383-2180         UC/PP 3 - Structt           382-22180         UC/PP 3 - Structt           382-22180         UC/PP 3 - Structt           382-22180         UC/PP 3 - E&M I           382-22170         UC/PP 3 - E&M I           382-2210         UC/PP 2 - ELS, E           382-2210         UC/PP 2 - ELS, E           382-2210         UC/PP 2 - ELS, E           382-22	hting Installation and Pumping Test Excavation (+6.0 to +4.5mPD) Strut Installation S1 (@ +4.5mPD) Excavation (+4.5 to +0.5mPD) aimed Water Building of Reclaimed Water Building with Underground Pipeworks at Stage 3 enering Chemical System Building at Stage 3 inued) or No. 1 - E&M Install and associated Pipeworks or No. 1 - E&M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works MI Installation and Pipeworks AM Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System	10         0         68         40         28         27         18         24         96         90         200         220         220         150         150         22         48         50         50         50         0         50         0         50         0         50         0         50         50         0         50         50         0	23-Apr 11-May 19-Jul- 01-Aug 03-Sep 08-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 29-Oct 21-Sep 21-Sep 01-Sep 15-Sep 13-Oct 15-Sep 13-Oct 13-Oct 13-Oct 15-Sep 13-Oct 13-Oct 13-Oct 15-Sep 13-Oct 13-Oct 13-Oct 15-Sep 13-Oct 13-Oct 13-Oct 15-Sep 13-Oct 13-Oct 13-Oct 15-Sep 13-Oct 13-Oct 13-Oct 15-Sep 13-Oct 13-Oct 13-Oct 13-Oct 15-Sep 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oct 13-Oc	05-May-2           22         30-Jul-2           22         02-Sep-2           22         01-Sep-2           22         07-Oct-2           22         28-Oct-2           22         28-Oct-2           22         28-Oct-2           22         16-Dec-2           22         17-Jan-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         03-May-2           22         03-May-2	2 18-May-22 2 26-Jul-22 2 27-Sep-22 2 12-Sep-22 2 15-Oct-22 2 05-Nov-22 2 03-Dec-22 3 04-Mar-23 3 04-Mar-23 3 04-Mar-23 3 04-Mar-23 3 21-Sep-22 3 21-Sep-22 21-Sep-22 3 12-Oct-22	17-May-22 06-Aug-22 09-Sep-22 31-Oct-22 14-Oct-22 04-Nov-22 02-Dec-22 31-Jan-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23	9 9 6 6 48 6 6 6 6 6 6 6 115 121 115 121 115 0 0	q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q3       q4       q1       q2       q2       q3       q4       q1       q1       q2       q2       q3       q4 <td< th=""></td<>
383-2090         STB - Driven H-pi           383-2180         STB - Subertile I           383-2180         STB - Subertile I           383-2180         STB - Subertile I           383-3370         STB - Submit to C           383-3370         STB - ELS, Excar           383-2290         STB - ELS, Strut           383-2360         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2410         Studge Thickenin           383-2170         Construction of F           383-2160         Sludge Thickenin           383-2160         Sludge Thickenin           383-2160         Biogas Holder No. 1 (Continue           ALZ3BH-1000         Biogas Holder No.           383-22180         UC/PP 3 - Struct           383-22250         UC/PP 3 - Struct           383-22250         UC/PP 3 - Struct           382-2280         UC/PP 3 - Struct           382-2280         UC/PP 3 - Struct           383-22779         UC/PP 3 - E&M H           383-22270         UC/PP 2 - ELS, E           382-22810         UC/PP 2 - ELS, E           382-2280         UC/PP 2 - ELS, E           382-2280         UC/PP 2 - ELS, E           382-2280	H-pile (101 nos, @1.5no/d/ig) bile Installation (2,955m2 @90m2/d) t to GEO (28d) pring Installation and Pumping Test Excavation (+6.0 to +4.5mPD) Strut Installation S1 (@ +4.5mPD) Excavation (+4.5 to +0.5mPD) Strut Installation S2 (@ +0.5mPD) aimed Water Building of Peclaimed Water Building with Underground Pipeworks at Stage 3 ening Chemical System Building at Stage 3 inued) or No. 1 - E&M Install and associated Pipeworks ar No. 1 - E&M Install and associated Pipeworks ar No. 1 - E&M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works SM Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System	68 40 28 27 18 24 18 24 96 90 90 220 220 0 220 0 220 150 150 150 22 48 48 50 50	19-Jul- 01-Aug 03-Sep 08-Oct 29-Oct 26-Nov 17-Dec 03-Oct 17-Dec 03-Oct 11-Oct 21-Sep 21-Sep 21-Sep 21-Sep 15-Sep 15-Sep 13-Oct	22         30-Jul-2           22         02-Sep-2           22         01-Sep-2           22         07-Oct-2           22         28-Oct-2           22         25-Nov-2           22         16-Dec-2           22         17-Jan-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         03-May-2           22         21-Mar-2	2         18-May-22           2         26-Jul-22           2         27-Sep-22           2         12-Sep-22           2         15-Oct-22           2         05-Nov-22           3         04-Mar-23           3         04-Mar-23           3         21-Sep-22           3         21-Sep-22           3         21-Sep-22           3         21-Sep-22           3         21-Sep-22           3         21-Sep-22           3         21-Sep-22           3         21-Sep-22           3         21-Sep-22	06-Aug-22 09-Sep-22 31-Oct-22 14-Oct-22 02-Dec-22 23-Dec-22 31-Jan-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23	9 6 48 6 6 6 6 6 6 115 121 115 0	Complete Predrilling Works for STB:     STB: Driven H-pile (101 nos; @ 1.5no/d/irg))     STB: Sheetpile Installation [2,955rt2;@990rt2(d)]     STB: Submit to GEO (28d)     STB: Submit to GEO (28d)     STB: STB: Hontoring Installation and Pumping Test     STB: STB: ELS, Excavation (+6.0 to +4.5mPD)     STB: FLS, Excavation (+4.5 to +0.5mPD)     STB: -ELS, Strut Installation S2;(@ +0.5mPD)     Gonstruction of Reclaimed Water Building with Underground Pipeworks at Stage 3     Suboge Thickening;Chemical System Building at Stage 3
383-2180         STB - Sheetpile I           383-3100         STB - Submit to C           383-3370         STB - Submit to C           383-3370         STB - ELS, Exca           383-2250         STB - ELS, Strut           383-2290         STB - ELS, Strut           383-2290         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2160         Sludge Thickenin           ge 3 : Chemical Building and Reclaime         Structural Work           ALZ3BH-1000         Biogas Holder No.           ALZ3BH-0900         Biogas Holder No.           31 : UC/PP3 Civil and Structural Work         Z3S2-2180           C/PP 3 - Structt         Z3S2-2180           C/PP 3 - Structt         Z3S2-2180           C/PP 3 - Structt         Z3S2-2285           UC/PP 3 - Structt         Z3S2-2285           UC/PP 3 - ELS, F         Z3S2-2285           UC/PP 3 - ELS, F         Z3S2-2280           UC/PP 2 - ELS, E         Z3S2-2210           UC/PP 2 - ELS, E         Z3S2-2210           UC/PP 2 - ELS, E         Z3S2-2230           UC/PP 2 - ELS, E         Z3S2-2230 <td>bile Installation (2,955m2 @90m2/d) t to GEO (28d) wring Installation and Pumping Test Excavation (+6.0 to +4.5mPD) Strut Installation S1 (@ +4.5mPD) Excavation (+4.5 to +0.5mPD) Strut Installation S2 (@ +0.5mPD) Strut Installation S2 (@ +0.5mPD) Strut Installation S2 (@ +0.5mPD) aimed Water Building of Reclaimed Water Building with Underground Pipeworks at Stage 3 ening Chemical System Building at Stage 3 inued) or No. 1 - E&amp;M Install and associated Pipeworks ar No. 1 - E&amp;M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works SM Installation and Pipeworks SM Handover stallation and Set-Up for SCADA System</td> <td>40 28 27 18 24 18 24 96 90 90 90 220 220 0 220 0 220 0 220 150 150 22 48 48 48 50 50 50</td> <td>19-Jul- 01-Aug 03-Sep 08-Oct 29-Oct 26-Nov 17-Dec 03-Oct 17-Dec 03-Oct 11-Oct 21-Sep 21-Sep 21-Sep 21-Sep 15-Sep 15-Sep 13-Oct</td> <td>22         02-Sep-2           22         01-Sep-2           22         07-Oct-2           22         28-Oct-2           22         25-Nov-2           22         16-Dec-2           22         17-Jan-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         03-May-2           22         21-Mar-2</td> <td>2 26-Jul-22 2 27-Sep-22 2 12-Sep-22 2 15-Oct-22 2 05-Nov-22 2 03-Dec-22 3 24-Dec-22 3 04-Mar-23 3 04-Mar-23 3 04-Mar-23 3 21-Sep-22 3 21-Sep-22 3 12-Oct-22</td> <td>09-Sep-22 31-Oct-22 14-Oct-22 02-Dec-22 23-Dec-22 31-Jan-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23</td> <td>6 48 6 6 6 6 115 121 115 0</td> <td>STB - Driven H-pile(101 nos; @1.5no/d/rig) STB - Sheetpile Installation (2,955m2;@90m2/g) STB - Monitoing Installation and Pumping Test STB - ELS, Excavation (+4,5 rinPD) STB - ELS, Struit Installation S1 (@ :+4.5mPD) STB - ELS, Excavation (+4/5 to +4.5mPD) STB - ELS, Excavation (+4/5 to +4.5mPD) STB - ELS, Excavation (+4/5 to +4.5mPD) STB - ELS, Struit Installation S2; (@ +0.5mPD) Construction of Reclaimed Water Building with Underground Pipeworks at Stage 3 Sludge Thickening;Chemical System Building at Stage 3</td>	bile Installation (2,955m2 @90m2/d) t to GEO (28d) wring Installation and Pumping Test Excavation (+6.0 to +4.5mPD) Strut Installation S1 (@ +4.5mPD) Excavation (+4.5 to +0.5mPD) Strut Installation S2 (@ +0.5mPD) Strut Installation S2 (@ +0.5mPD) Strut Installation S2 (@ +0.5mPD) aimed Water Building of Reclaimed Water Building with Underground Pipeworks at Stage 3 ening Chemical System Building at Stage 3 inued) or No. 1 - E&M Install and associated Pipeworks ar No. 1 - E&M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works SM Installation and Pipeworks SM Handover stallation and Set-Up for SCADA System	40 28 27 18 24 18 24 96 90 90 90 220 220 0 220 0 220 0 220 150 150 22 48 48 48 50 50 50	19-Jul- 01-Aug 03-Sep 08-Oct 29-Oct 26-Nov 17-Dec 03-Oct 17-Dec 03-Oct 11-Oct 21-Sep 21-Sep 21-Sep 21-Sep 15-Sep 15-Sep 13-Oct	22         02-Sep-2           22         01-Sep-2           22         07-Oct-2           22         28-Oct-2           22         25-Nov-2           22         16-Dec-2           22         17-Jan-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         03-May-2           22         21-Mar-2	2 26-Jul-22 2 27-Sep-22 2 12-Sep-22 2 15-Oct-22 2 05-Nov-22 2 03-Dec-22 3 24-Dec-22 3 04-Mar-23 3 04-Mar-23 3 04-Mar-23 3 21-Sep-22 3 21-Sep-22 3 12-Oct-22	09-Sep-22 31-Oct-22 14-Oct-22 02-Dec-22 23-Dec-22 31-Jan-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23	6 48 6 6 6 6 115 121 115 0	STB - Driven H-pile(101 nos; @1.5no/d/rig) STB - Sheetpile Installation (2,955m2;@90m2/g) STB - Monitoing Installation and Pumping Test STB - ELS, Excavation (+4,5 rinPD) STB - ELS, Struit Installation S1 (@ :+4.5mPD) STB - ELS, Excavation (+4/5 to +4.5mPD) STB - ELS, Excavation (+4/5 to +4.5mPD) STB - ELS, Excavation (+4/5 to +4.5mPD) STB - ELS, Struit Installation S2; (@ +0.5mPD) Construction of Reclaimed Water Building with Underground Pipeworks at Stage 3 Sludge Thickening;Chemical System Building at Stage 3
383.3370         STB - Submit to (           383.3370         STB - ELS, Stort           383.2250         STB - ELS, Stort           383.2250         STB - ELS, Stort           383.2250         STB - ELS, Stort           383.2250         STB - ELS, Stort           383.2250         STB - ELS, Stort           383.2250         STB - ELS, Stort           383.2250         STB - ELS, Stort           383.2160         Sludge Thickenin           383.2170         Construction of P           383.2170         Construction of R           383.2160         Sludge Thickenin           383.2160         Biogas Holder No.           4LZ3BH-1000         Biogas Holder No.           31.UC/PP3 Civil and Structural Work         2352-2140           3282-2280         UC/PP 3 - Struct           3282-2280         UC/PP 3 - Struct           3282-2280         UC/PP 3 - EAM H           3282-2280         UC/PP 3 - EAM H           3282-2280         UC/PP 2 - ELS, E           3282-2280         UC/PP 2 - ELS, E           3282-2290         UC/PP 2 - ELS, E           3282-2200         UC/PP 2 - ELS, E           3282-2200         UC/PP 2 - ELS, E           3282-2200 <td>ti to GEO (28d) vring Installation and Pumping Test Excavation (+6.0 to +4.5mPD) Strut Installation S1 (@ +4.5mPD) Scavation (+4.5 to +0.5mPD) Strut Installation S2 (@ +0.5mPD) aimed Water Building of Reclaimed Water Building with Underground Pipeworks at Stage 3 enving Chemical System Building at Stage 3 inued) of Reclaimed Water Building at Stage 3 inued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works MI Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System</td> <td>28 28 27 18 24 18 24 96 90 90 90 90 220 220 0 220 0 220 0 220 150 150 150 22 48 48 48 50 50 50</td> <td>01-Aug 03-Sep 08-Oct 29-Oct 26-Nov 17-Dec 03-Oct 03-Oct 11-Oct 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 13-Oct</td> <td>22         01-Sep-2           22         07-Oct-2           22         28-Oct-2           22         25-Nov-2           22         16-Dec-2           22         17-Jan-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         21-Mar-2</td> <td>2 27-Sep-22 2 12-Sep-22 2 05-Nov-22 2 03-Dec-22 3 24-Dec-22 3 04-Mar-23 3 04-Mar-23 3 04-Mar-23 3 21-Sep-22 3 21-Sep-22 21-Sep-22 3 12-Oct-22</td> <td>31-Oct-22 14-Oct-22 02-Dec-22 23-Dec-22 31-Jan-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23</td> <td>48 6 6 6 6 115 121 115 0</td> <td>STB: ELS, Excavation (+6.0 to +4.5mPD)     STB: ELS, Stuti.Installation St (@ +4.5mPD)     STB: ELS, Excavation (+4.5 to +0.5mPD)     STB: ELS, Stuti.Installation S2;(@ +0.5mPD)     STB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)</td>	ti to GEO (28d) vring Installation and Pumping Test Excavation (+6.0 to +4.5mPD) Strut Installation S1 (@ +4.5mPD) Scavation (+4.5 to +0.5mPD) Strut Installation S2 (@ +0.5mPD) aimed Water Building of Reclaimed Water Building with Underground Pipeworks at Stage 3 enving Chemical System Building at Stage 3 inued) of Reclaimed Water Building at Stage 3 inued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works MI Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System	28 28 27 18 24 18 24 96 90 90 90 90 220 220 0 220 0 220 0 220 150 150 150 22 48 48 48 50 50 50	01-Aug 03-Sep 08-Oct 29-Oct 26-Nov 17-Dec 03-Oct 03-Oct 11-Oct 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 13-Oct	22         01-Sep-2           22         07-Oct-2           22         28-Oct-2           22         25-Nov-2           22         16-Dec-2           22         17-Jan-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         21-Mar-2	2 27-Sep-22 2 12-Sep-22 2 05-Nov-22 2 03-Dec-22 3 24-Dec-22 3 04-Mar-23 3 04-Mar-23 3 04-Mar-23 3 21-Sep-22 3 21-Sep-22 21-Sep-22 3 12-Oct-22	31-Oct-22 14-Oct-22 02-Dec-22 23-Dec-22 31-Jan-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23	48 6 6 6 6 115 121 115 0	STB: ELS, Excavation (+6.0 to +4.5mPD)     STB: ELS, Stuti.Installation St (@ +4.5mPD)     STB: ELS, Excavation (+4.5 to +0.5mPD)     STB: ELS, Stuti.Installation S2;(@ +0.5mPD)     STB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)
383-3340         STB - Monitoring           383-2250         STB - ELS, Excar           383-2290         STB - ELS, Strut           383-2290         STB - ELS, Strut           383-2290         STB - ELS, Strut           383-2290         STB - ELS, Strut           383-2170         Construction of R           383-2170         Construction of R           383-2170         Biogas Holder No. 1 (Continue           ALZ3BH-1000         Biogas Holder No.           ALZ3BH-0900         Biogas Holder No.           33: JCC/PP3 Civil and Structural Work         Z3S2-2140           UC/PP 3 - Struct         Z3S2-2250           UC/PP 3 - Struct         Z3S2-2260           UC/PP 3 - E&M It         Z3S2-2279           UC/PP 3 - E&M It         Z3S2-2279           UC/PP 3 - EAM It         Z3S2-2279           UC/PP 3 - EAM It         Z3S2-2279           UC/PP 3 - EAM It         Z3S2-2279           UC/PP 3 - EAM It         Z3S2-2279           UC/PP 2 - ELS, E         Z3S2-2210           UC/PP 2 - ELS, E         Z3S2-2210           UC/PP 2 - ELS, E         Z3S2-2220           UC/PP 2 - ELS, E         Z3S2-2200           UC/PP 2 - ELS, E         Z3S2-2200	hting Installation and Pumping Test Excavation (+6.0 to +4.5mPD) Strut Installation S1 (@ +4.5mPD) Excavation (+4.5 to +0.5mPD) aimed Water Building of Reclaimed Water Building with Underground Pipeworks at Stage 3 enering Chemical System Building at Stage 3 inued) or No. 1 - E&M Install and associated Pipeworks or No. 1 - E&M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works MI Installation and Pipeworks AM Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System	27 18 24 18 24 96 90 90 90 220 220 0 220 0 220 150 150 150 22 48 48 48 50 50	03-Sep 08-Oct 29-Oct 26-Nov 17-Dec 03-Oct 11-Oct 21-Sep 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 13-Oct	22         07-Oct-2           22         28-Oct-2           22         25-Nov-2           22         16-Dec-2           22         17-Jan-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         21-Mar-2	2 12-Sep-22 2 15-Oct-22 2 05-Nov-22 2 03-Dec-22 3 24-Dec-22 3 04-Mar-23 3 04-Mar-23 3 04-Mar-23 3 21-Sep-22 3 21-Sep-22 21-Sep-22 3 12-Oct-22	14-Oct-22           04-Nov-22           02-Dec-22           23-Dec-22           31-Jan-23           24-Jun-23           24-Jun-23           24-Jun-23           24-Jun-23           24-Jun-23	6 6 6 6 115 121 115 0	STB: ELS, Excavation (+6.0 to +4.5mPD)     STB: ELS, Stuti.Installation St (@ +4.5mPD)     STB: ELS, Excavation (+4.5 to +0.5mPD)     STB: ELS, Stuti.Installation S2;(@ +0.5mPD)     STB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)
383-2250         STB - ELS, Exca           383-2290         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2160         Sludge Thickenin           383-2160         Sludge Thickenin           383-2160         Biogas Holder No.           4LZ3BH-1000         Biogas Holder No.           33         1 UC/PP 3 Civil and Structural Work           238-2140         UC/PP 3 - Struct           238-22180         UC/PP 3 - Struct           238-22180         UC/PP 3 - ESM H           2382-2280         UC/PP 3 - ESM H           2382-2280         UC/PP 3 - ESM H           2382-2280         UC/PP 3 - ESM H           2382-2280         UC/PP 2 - ELS, E           2382-2280         UC/PP 2 - ELS, E           2382-2280         UC/PP 2 - ELS, E           2382-2280         UC/PP 2 - ELS, E           2382-2280         UC/PP 2 - ELS, E           2382-2280         UC/PP 2 - ELS, E           2382-2280         <	Excavation (+6.0 to +4.5mPD) Strut Installation S1 (@ +4.5mPD) Excavation (+4.5 to +0.5mPD) Strut Installation S2 (@ +0.5mPD) aimed Water Building with Underground Pipeworks at Stage 3 aimed Water Building with Underground Pipeworks at Stage 3 aimed (Structure Stage State) pr No. 1 - E&M Install and associated Pipeworks ar No. 1 - E&M Handover bon (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works MI Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System	18         24         18         24         96         90         200         220         220         220         150         22         48         50         50         50	08 Oct 29 Oct 26 Nov 17 Dec 03 Oct 11 Oct 21 Sep 21 Sep 01 Aug 15 Sep 15 Sep 13 Oct	22         28-Oct-2           22         25-Nov-2           22         16-Dec-2           22         17-Jan-2           22         02-Feb-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         21-Mar-2	2 15-Oct-22 2 05-Nov-22 2 03-Dec-22 3 24-Dec-22 3 04-Mar-23 3 04-Mar-23 3 04-Mar-23 3 21-Sep-22 3 21-Sep-22 3 12-Oct-22	04-Nov-22 02-Dec-22 23-Dec-22 31-Jan-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23	6 6 6 115 121 115 0	STB: ELS, Excavation (+6.0 to +4.5mPD)     STB: ELS, Stuti.Installation St (@ +4.5mPD)     STB: ELS, Excavation (+4.5 to +0.5mPD)     STB: ELS, Stuti.Installation S2;(@ +0.5mPD)     STB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)     StB: ELS, Stuti.Installation S2;(@ +0.5mPD)
383-2290         STB - ELS, Strutt           383-2400         STB - ELS, Strutt           383-2420         STB - ELS, Strutt           383-2420         STB - ELS, Strutt           383-2420         STB - ELS, Strutt           383-2420         STB - ELS, Strutt           383-2170         Construction of F           383-2160         Sludge Thickenin           383-2160         Sludge Thickenin           ge 3: Biogas Holder No. 1 (Continue         AL23BH-1000           Biogas Holder No. 3         Structural Work           323-2180         UC/PP 3 - Struct           2382-2140         UC/PP 3 - Struct           2382-2180         UC/PP 3 - Struct           2382-2250         UC/PP 3 - Struct           2382-2263         UC/PP 3 - ESM I           2382-2279         UC/PP 3 - Struct           2382-2280         UC/PP 3 - Struct           2382-2270         UC/PP 2 - ELS, E           2382-2210         UC/PP 2 - ELS, E           2382-2200         UC/PP 2 - ELS, E           2382-2200         UC/PP 2 - ELS, E           2382-2200         UC/PP 2 - ELS, E           2382-2200         UC/PP 2 - ELS, E           2382-2200         UC/PP 2 - Struct           <	Strut Installation S1 (@ +4.5mPD) Excavation (+4.5 to +0.5mPD) Strut Installation S2 (@ +0.5mPD) aimed Water Building of Reclaimed Water Building with Underground Pipeworks at Stage 3 eening Chemical System Building at Stage 3 inued) or No. 1 - E&M Install and associated Pipeworks or No. 1 - E&M Install and associated Pipeworks or No. 1 - E&M Handover on (Continued) Vorks nucture (-3.75 to -2.20mPD, Base Slab) at Stage 3 nucture (-2.20 to +1.0mPD) nucture (-2.20 to +1.0mPD) nucture (+1.0 to +4.2mPD) including Backfill S Works MI Installation and Pipeworks AM Installation and Pipeworks AM Installation and Set-Up for SCADA System	24 18 24 96 90 90 220 220 0 220 150 150 150 22 48 48 48 50 50 50	29-Oct 26-Nov 17-Dec 03-Oct 03-Oct 11-Oct 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 13-Sep 13-Oct	22         25-Nov-2           22         16-Dec-2           22         17-Jan-2           22         02-Feb-2           22         19-Jan-2           22         02-Feb-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         21-Mar-2	2 05-Nov-22 2 03-Dec-22 3 24-Dec-22 3 04-Mar-23 3 04-Mar-23 3 04-Mar-23 3 21-Sep-22 3 21-Sep-22 21-Sep-22 3 12-Oct-22	02-Dec-22 23-Dec-22 31-Jan-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23	6 6 115 121 115 0	STB : ELS, Excavation (+6.0 to +4.5mPD)      STB : ELS, Stut: Installation St (@ +4.5mPD)      STB : ELS, Excavation (+4.5 to +0.5mPD)      STB : ELS, Stut: Installation \$2! (@ +0.5mPD)      Gonstruction of Reclaimed Water Building with Underground Pipe works at Stage 3      Sudge Thickening; Chemical System Building at Stage 3;
383-2360         STB - ELS, Exca           383-2420         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2420         STB - ELS, Strut           383-2170         Construction of R           383-2170         Biogas Holder No. 1 (Continue           383-2160         Biogas Holder No.           ALZ3BH-1000         Biogas Holder No.           4L23BH-1000         Biogas Holder No.           31         UC/PP3 Civil and Structural Work           232-2140         UC/PP 3 - Struct           232-2180         UC/PP 3 - Struct           232-2180         UC/PP 3 - Struct           232-2280         UC/PP 3 - ESM I           232-2280         UC/PP 3 - ESM I           232-2279         UC/PP 3 - EAM I           232-2280         UC/PP 2 - ELS, E           232-2210         UC/PP 2 - ELS, E           232-2210         UC/PP 2 - ELS, E           232-2210         UC/PP 2 - ELS, E           232-2210         UC/PP 2 - ELS, E           232-2210         UC/PP 2 - ELS, E           232-2210         UC/PP 2 - ELS, E           232-2210         UC/PP 2 - ELS, E           232-2210         UC/PP 2 - ELS, E           232-2210	Excavation (+4.5 to +0.5mPD) Strut Installation S2 (@ +0.5mPD) aimed Water Building of Reclaimed Water Building with Underground Pipeworks at Stage 3 ening Chemical System Building at Stage 3 inued) ar No. 1 - E&M Install and associated Pipeworks or No. 1 - E&M Handover on (Continued) Vorks nucture (-3.75 to -2.20mPD, Base Slab) at Stage 3 nucture (-2.20 to +1.0mPD) nucture (-2.20 to +1.0mPD) nucture (+1.0 to +4.2mPD) including Backfill S Works Minstallation and Pipeworks Mindaover stallation and Set-Up for SCADA System	18         24         96         90         90         220         220         150         150         22         48         50         50         50	26-Nov 17-Dec 03-Oct 03-Oct 11-Oct 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 13-Oct	22         16-Dec-2           22         17-Jan-2           22         02-Feb-2           22         19-Jan-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         21-Mar-2	2 03-Dec-22 3 24-Dec-22 3 04-Mar-23 3 04-Mar-23 3 04-Mar-23 3 21-Sep-22 3 21-Sep-22 21-Sep-22 3 12-Oct-22	23-Dec-22           31-Jan-23           24-Jun-23           24-Jun-23           24-Jun-23           24-Jun-23           24-Jun-23           24-Jun-23	6 6 115 121 115 0	SIB + ELS, Strut Installation ST (@ +4.5mPD)     SIB - ELS, Exdavation (+4/5 to +0.5mPD)     SIB - ELS, Strut Installation \$2! (@ +0.5mPD)     Gonstruction of Reclaimed Water Building with Underground Pipeworks at Stage 3     Sludge Thickening;Chemical System Building at Stage 3;
383-2420         STB - ELS, Strutt           age 3 : Chemical Building and Reclaims         383-2420           383-2170         Construction of P           383-2170         Sonstruction of P           383-2160         Sludge Thickenin           ge 3 : Biogas Holder No. 1 (Continue         Biogas Holder No. 1           ALZ3BH-1000         Biogas Holder No. 3           31: UC/PP3 Civil and Structural Work         2352-2140           UC/PP 3 : Struct         2352-2180           UC/PP 3 : Struct         2352-2180           UC/PP 3 : Struct         2352-2250           UC/PP 3 : Struct         2352-2250           UC/PP 3 : Struct         2352-2279           UC/PP 3 : E&M Installation         2352-2279           2352-2270         UC/PP 3 : E&M Installation           2352-2210         UC/PP 2 : ELS, E           2352-2210         UC/PP 2 : ELS, E           2352-2210         UC/PP 2 : ELS, E           2352-2210         UC/PP 2 : ELS, E           2352-2210         UC/PP 2 : ELS, E           2352-2210         UC/PP 2 : ELS, E           2352-2210         UC/PP 2 : ELS, E           2352-2210         UC/PP 2 : ELS, E           2352-2210         UC/PP 2 : ELS, E           31: UC/P	Strut Installation S2 (@ +0.5mPD) aimed Water Building of Reclaimed Water Building with Underground Pipeworks at Stage 3 ening Chemical System Building at Stage 3 inued) ar No. 1 - E&M Install and associated Pipeworks or No. 1 - E&M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works M Installation and Pipeworks MM Installation and Pipeworks MM Handover stallation and Set-Up for SCADA System	24 96 90 90 220 220 0 220 150 150 222 48 48 48 50 50 50	17-Dec 03-Oct 03-Oct 11-Oct 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 15-Sep 13-Oct	22         17.Jan-2           22         02-Feb-2           22         19.Jan-2           22         02-Feb-2           22         24.Jun-2           22         24.Jun-2           22         24.Jun-2           22         03-May-2           22         03-May-2           22         21-Mar-2	3         24-Dec-22           3         04-Mar-23           3         04-Mar-23           3         04-Mar-23           3         21-Sep-22           3         21-Sep-22           21-Sep-22         21-Sep-22           3         12-Oct-22	31-Jan-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23	115 121 115 0	Sludge Thickening: Chemical System Building at Stage 3;
age 3 : Chemical Building and Reclaime           3S3-2170         Construction of Fl           3S3-2160         Sludge Thickenin           ge 3 : Biogas Holder No. 1 (Continue         ALZ3BH-1000         Biogas Holder No.           ALZ3BH-0900         Biogas Holder No.         ALZ3BH-0900         Biogas Holder No.           ge 3 : Utility Corridor Construction (rege 3 : Utility Corridor No. 3         3         : UC/PP 3 Civil and Structural Work           Z3S2-2180         UC/PP 3 - Struct         23S2-2250         UC/PP 3 - Struct           Z3S2-2250         UC/PP 3 - Struct         23S2-2250         UC/PP 3 - Struct           Z3S2-2250         UC/PP 3 - Struct         23S2-2250         UC/PP 3 - Struct           Z3S2-2250         UC/PP 3 - Struct         23S2-2279         UC/PP 3 - Struct           Z3S2-2270         UC/PP 3 - Struct         23S2-2210         UC/PP 2 - ELS, E           Z3S2-2210         UC/PP 2 - ELS, E         23S2-2210         UC/PP 2 - ELS, E           Z3S2-2210         UC/PP 2 - ELS, E         23S2-2220         UC/PP 2 - ELS, E           Z3S2-2210         UC/PP 2 - ELS, E         3S2-2220         UC/PP 2 - ELS, E           Z3S2-2210         UC/PP 2 - ELS, E         3S2-2220         UC/PP 2 - ELS, E           Z3S2-2220         UC/PP 2 - ELS, E <t< td=""><td>aimed Water Building of Reclaimed Water Building with Underground Pipeworks at Stage 3 ening Chemical System Building at Stage 3 inued) or No. 1 - E&amp;M Install and associated Pipeworks or No. 1 - E&amp;M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works &amp;M Installation and Pipeworks &amp;M Handover stallation and Set-Up for SCADA System</td><td>96         90           90         90           220         220           0         220           150         150           22         48           48         50           50         50</td><td>03-Oct 03-Oct 11-Oct- 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 15-Sep 13-Oct</td><td>22         02-Feb-2           22         19-Jan-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         21-Mar-2</td><td>3         04-Mar-23           3         04-Mar-23           3         04-Mar-23           3         21-Sep-22           3         21-Sep-22           21-Sep-22         21-Sep-22           3         12-Oct-22</td><td>24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23</td><td>115 121 115 0</td><td>Sludge Thickening: Chemical System Building at Stage 3;</td></t<>	aimed Water Building of Reclaimed Water Building with Underground Pipeworks at Stage 3 ening Chemical System Building at Stage 3 inued) or No. 1 - E&M Install and associated Pipeworks or No. 1 - E&M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works &M Installation and Pipeworks &M Handover stallation and Set-Up for SCADA System	96         90           90         90           220         220           0         220           150         150           22         48           48         50           50         50	03-Oct 03-Oct 11-Oct- 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 15-Sep 13-Oct	22         02-Feb-2           22         19-Jan-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         03-May-2           22         03-May-2           22         21-Mar-2	3         04-Mar-23           3         04-Mar-23           3         04-Mar-23           3         21-Sep-22           3         21-Sep-22           21-Sep-22         21-Sep-22           3         12-Oct-22	24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23	115 121 115 0	Sludge Thickening: Chemical System Building at Stage 3;
S3-2170         Construction of Fl           S3-2160         Sludge Thickenin           gg 3 : Biogas Holder No. 1 (Continue         ALZ3BH-1000         Biogas Holder No.           ALZ3BH-1000         Biogas Holder No.         ALZ3BH-1000         Biogas Holder No.           ALZ3BH-1000         Biogas Holder No.         ALZ3BH-1000         Biogas Holder No.           gg 3 : Utility Corridor Construction (inge 3 : Utility Corridor No. 3         3 : UC/PP3 Counter Construction (inge 3 : Utility Corridor No. 3           33: UC/PP3 E&M Installation         2352-2180         UC/PP 3 - Structu           2352-2280         UC/PP 3 - E&M I           2352-2280         UC/PP 3 - E&M I           2352-2285         UC/PP 3 - E&M I           2352-2285         UC/PP 3 - EAM I           2352-2285         UC/PP 3 - EAM I           2352-2280         UC/PP 3 - EAS, B           2352-2210         UC/PP 2 - ELS, E           2352-2210         UC/PP 2 - ELS, E           2352-2220         UC/PP 2 - ELS, E           2352-2220         UC/PP 2 - ELS, E           2352-2230         UC/PP 2 - ELS, E           352-2230         UC/PP 2 - Structu           2352-2300         UC/PP 2 - Structu           2352-2300         UC/PP 2 - Structu           235	of Reclaimed Water Building with Underground Pipeworks at Stage 3 ening Chemical System Building at Stage 3 inued) er No. 1 - E&M Install and associated Pipeworks er No. 1 - E&M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works AM Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System	90 90 220 220 0 150 150 22 48 48 48 50 50 50	03-Oct 11-Oct 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 15-Sep 13-Oct	22         19-Jan-2           22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           -22         2           -22         03-May-2           -22         21-Mar-2	3         04-Mar-23           3         04-Mar-23           3         21-Sep-22           3         21-Sep-22           21-Sep-22         21-Sep-22           3         12-Oct-22	24-Jun-23 24-Jun-23 24-Jun-23 24-Jun-23	121 115 0	Sludge Thickening: Chemical System Building at Stage 3;
383-2160         Sludge Thickenin           ge 3 : Biogas Holder No. 1 (Continue         Biogas Holder No.           ALZ3BH-1000         Biogas Holder No.           ALZ3BH-0900         Biogas Holder No.           ge 3 : Utility Corridor No. 3         3 : UC/PP3 Civil and Structural Work           33: UC/PP3 Civil and Structural Work         23S2-2140         UC/PP 3 - Structu           23S2-2180         UC/PP 3 - Structu         23S2-2250         UC/PP 3 - Structu           23S2-2250         UC/PP 3 - Structu         23S2-2280         UC/PP 3 - Structu           23S2-2280         UC/PP 3 - Structu         23S2-2285         UC/PP 3 - Structu           23S2-2280         UC/PP 3 - Structu         23S2-2285         UC/PP 3 - Installa           arge 3 : Utility Corridor No. 2         3 : UC/PP 2 Foundation and ELS Woo         23S2-2210         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E         23S2-2200         UC/PP 2 - ELS, E         23S2-2200           23S2-2200         UC/PP 2 - ELS, E         23S2-2200         UC/PP 2 - ELS, E         23S2-2200           23S2-2200         UC/PP 2 - ELS, E         3 : UC/PP 2 Civil and Structural Work         23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - Structu         23S2-2300         UC/PP 2 - Structu <tr< td=""><td>ening Chemical System Building at Stage 3 inued) er No. 1 - E&amp;M Install and associated Pipeworks er No. 1 - E&amp;M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works &amp;M Installation and Pipeworks &amp;M Handover stallation and Set-Up for SCADA System</td><td>90 220 0 220 150 220 150 222 48 48 48 50 50 50</td><td>11-Oct- 21-Sep 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 15-Sep 13-Oct</td><td>22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         21-Mar-2           22         21-Mar-2</td><td>3         04-Mar-23           3         21-Sep-22           3         21-Sep-22           21-Sep-22         21-Sep-22           3         12-Oct-22</td><td>24-Jun-23 24-Jun-23 24-Jun-23</td><td>115 0</td><td>Sludge Thickening: Chemical System Building at Stage 3;</td></tr<>	ening Chemical System Building at Stage 3 inued) er No. 1 - E&M Install and associated Pipeworks er No. 1 - E&M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works &M Installation and Pipeworks &M Handover stallation and Set-Up for SCADA System	90 220 0 220 150 220 150 222 48 48 48 50 50 50	11-Oct- 21-Sep 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 15-Sep 13-Oct	22         02-Feb-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         24-Jun-2           22         21-Mar-2           22         21-Mar-2	3         04-Mar-23           3         21-Sep-22           3         21-Sep-22           21-Sep-22         21-Sep-22           3         12-Oct-22	24-Jun-23 24-Jun-23 24-Jun-23	115 0	Sludge Thickening: Chemical System Building at Stage 3;
ge 3 : Biogas Holder         No. 1 (Continue           ALZ3BH-1000         Biogas Holder No.           ALZ3BH-0900         Biogas Holder No.           ge 3 : Utility Corridor Construction (ruge 3 : Utility Corridor No. 3         3 : UC/PP3 Civil and Structural Work           33 : UC/PP3 Civil and Structural Work         23S2-2140         UC/PP 3 - Struct           23S2-2140         UC/PP 3 - Struct         23S2-2250           23S2-2250         UC/PP 3 - Struct         23S2-2250           23S2-2250         UC/PP 3 - Struct         23S2-2279           23S2-2279         UC/PP 3 - E&M It           23S2-2285         UC/PP 3 - EAM It           23S2-2285         UC/PP 3 - EAM It           23S2-2285         UC/PP 3 - ELS, E           23S2-2280         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/P	inued) pr No. 1 - E&M Install and associated Pipeworks pr No. 1 - E&M Handover pon (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works &M Installation and Pipeworks &M Handover stallation and Set-Up for SCADA System	220 220 0 220 150 22 48 48 48 50 50 50	21-Sep 21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 15-Sep 13-Oct	22 24-Jun-2 22 24-Jun-2 22 23 22 03-May-2 22 21-Mar-2	3         21-Sep-22           3         21-Sep-22           21-Sep-22         21-Sep-22           3         12-Oct-22	24-Jun-23 24-Jun-23	0	Sludge Thickening Chemical System Building at Stage 3
ALZ3BH-1000         Biogas Holder No           ALZ3BH-0900         Biogas Holder No           ALZ3BH-0900         Biogas Holder No           ge 3 : Utility Corridor Construction (roge 3 : Utility Corridor No. 3         3 : UC/PP3 Civil and Structural Work           Z3S2-2140         UC/PP 3 - Structu           Z3S2-2180         UC/PP 3 - Structu           Z3S2-2250         UC/PP 3 - Structu           Z3S2-2280         UC/PP 3 - Structu           Z3S2-2280         UC/PP 3 - E&M I           Z3S2-2280         UC/PP 3 - E&M I           Z3S2-2285         UC/PP 3 - E&M I           Z3S2-2285         UC/PP 3 - EAM I           Z3S2-2280         UC/PP 3 - EAS I           Z3S2-2280         UC/PP 2 - ELS E           Z3S2-2280         UC/PP 2 - ELS E           Z3S2-2200         UC/PP 2 - ELS E           Z3S2-2200         UC/PP 2 - ELS E           Z3S2-2200         UC/PP 2 - ELS E           Z3S2-2200         UC/PP 2 - ELS E           Z3S2-2200         UC/PP 2 - ELS E           Z3S2-2200         UC/PP 2 - ELS E           Z3S2-2200         UC/PP 2 - ELS E           Z3S2-2200         UC/PP 2 - ELS E           Z3S2-2200         UC/PP 2 - Structt           Z3S2-2300	er No. 1 - E&M Install and associated Pipeworks er No. 1 - E&M Handover en (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works ex Installation and Pipeworks ex Installation and Pipeworks ex Handover stallation and Set-Up for SCADA System	220 0 220 150 22 48 48 48 50 50 50	21-Sep 21-Sep 01-Aug 15-Sep 15-Sep 15-Sep 13-Oct	22 24-Jun-2 22 22 22 03-May-2 22 21-Mar-2	3 21-Sep-22 21-Sep-22 3 12-Oct-22	24-Jun-23	0	
ALZ3BH-0900         Biogas Holder No.           ge 3 : Utility Corridor Construction ( nge 3 : Utility Corridor No. 3         3           3 : UC/PP3 Civil and Structural Work         3           23S2-2140         UC/PP 3 - Struct.           23S2-2180         UC/PP 3 - Struct.           23S2-2180         UC/PP 3 - Struct.           23S2-2180         UC/PP 3 - Struct.           23S2-2250         UC/PP 3 - Struct.           23S2-2285         UC/PP 3 - E&M II           23S2-2285         UC/PP 3 - E&M II           23S2-2285         UC/PP 3 - E&M II           23S2-2285         UC/PP 3 - E&M II           23S2-2285         UC/PP 2 - ELS, E           23S2-2280         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - Structt           23S2-2200         UC/PP 2 - Structt           23S2-2300         UC/PP 2 -	er No. 1 - E&M Handover on (Continued) Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works M Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System	0 220 150 22 48 48 50 50 50	21-Sep 01-Aug 15-Sep 15-Sep 15-Sep 13-Oct	22 03-May-2 22 21-Mar-2	21-Sep-22 3 12-Oct-22		0	
ge 3 : Utility Corridor Construction ( inge 3 : Utility Corridor No. 3           3 : UC/PP3 Civil and Structural Work 23S2-2140         UC/PP 3 - Structural 23S2-2180           UC/PP 3 : Corridor No. 3         Structural Work 23S2-2180           23S2-2140         UC/PP 3 - Structural 23S2-2280           UC/PP 3 : Corridor No. 2         Structural Work 23S2-2280           23S2-2280         UC/PP 3 - E&M II 23S2-2285           UC/PP 3 : E&M II 23S2-2285         UC/PP 3 - E&M II 23S2-2285           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           31UC/PP 2 Civil and Structural Work 23S2-2210         UC/PP 2 - ELS, E 23S2-2210           23S2-2210         UC/PP 2 - Structural 23S2-2210         UC/PP 2 - Structural 23S2-2210           31UC/PP 2 Civil and Structural Work 23S2-2210         UC/PP 2 - ES M II 23S2-2300           23S2-2210         UC/PP 2 - Structural 23S2-2310         UC/PP 2 - ES M II 23S2-2310           31UC/PP 2 E&M Installation         T 23S2-2325         UC/PP 2 - ES M II 23S2-2326 <t< td=""><td>on (Continued) Vorks nucture (-3.75 to -2.20mPD, Base Slab) at Stage 3 nucture (-2.20 to +1.0mPD) nucture (+1.0 to +4.2mPD) including Backfill S Works M Installation and Pipeworks M Handover stallation and Set-Up for SCADA System</td><td>220 150 22 48 48 50 50 50</td><td>01-Aug 15-Sep 15-Sep 15-Sep 13-Oct</td><td>22 03-May-2 -22 21-Mar-2</td><td>3 12-Oct-22</td><td></td><td></td><td>Biogas Holder No. 1 - E&amp;M Install and associated Pipeworks</td></t<>	on (Continued) Vorks nucture (-3.75 to -2.20mPD, Base Slab) at Stage 3 nucture (-2.20 to +1.0mPD) nucture (+1.0 to +4.2mPD) including Backfill S Works M Installation and Pipeworks M Handover stallation and Set-Up for SCADA System	220 150 22 48 48 50 50 50	01-Aug 15-Sep 15-Sep 15-Sep 13-Oct	22 03-May-2 -22 21-Mar-2	3 12-Oct-22			Biogas Holder No. 1 - E&M Install and associated Pipeworks
ge 3 : Utility Corridor Construction ( inge 3 : Utility Corridor No. 3           3 : UC/PP3 Civil and Structural Work 23S2-2140         UC/PP 3 - Structural 23S2-2180           UC/PP 3 : Corridor No. 3         Structural Work 23S2-2180           23S2-2140         UC/PP 3 - Structural 23S2-2280           UC/PP 3 : Corridor No. 2         Structural Work 23S2-2280           23S2-2280         UC/PP 3 - E&M II 23S2-2285           UC/PP 3 : E&M II 23S2-2285         UC/PP 3 - E&M II 23S2-2285           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           23S2-2210         UC/PP 2 - ELS, E 23S2-2200           31UC/PP 2 Civil and Structural Work 23S2-2210         UC/PP 2 - ELS, E 23S2-2210           23S2-2210         UC/PP 2 - Structural 23S2-2210         UC/PP 2 - Structural 23S2-2210           31UC/PP 2 Civil and Structural Work 23S2-2210         UC/PP 2 - ES M II 23S2-2300           23S2-2210         UC/PP 2 - Structural 23S2-2310         UC/PP 2 - ES M II 23S2-2310           31UC/PP 2 E&M Installation         T 23S2-2325         UC/PP 2 - ES M II 23S2-2326 <t< td=""><td>on (Continued) Vorks nucture (-3.75 to -2.20mPD, Base Slab) at Stage 3 nucture (-2.20 to +1.0mPD) nucture (+1.0 to +4.2mPD) including Backfill S Works M Installation and Pipeworks M Handover stallation and Set-Up for SCADA System</td><td>150           150           22           48           48           50           50           50</td><td>01-Aug 15-Sep 15-Sep 15-Sep 13-Oct</td><td>22 03-May-2 -22 21-Mar-2</td><td>3 12-Oct-22</td><td></td><td>0</td><td>Biologis Holder No. 1 - E&amp;M Heriddwar</td></t<>	on (Continued) Vorks nucture (-3.75 to -2.20mPD, Base Slab) at Stage 3 nucture (-2.20 to +1.0mPD) nucture (+1.0 to +4.2mPD) including Backfill S Works M Installation and Pipeworks M Handover stallation and Set-Up for SCADA System	150           150           22           48           48           50           50           50	01-Aug 15-Sep 15-Sep 15-Sep 13-Oct	22 03-May-2 -22 21-Mar-2	3 12-Oct-22		0	Biologis Holder No. 1 - E&M Heriddwar
Type         Structure         No. 3           3: UC/PP3 Civil and Structural Work           23S2-2140         UC/PP 3 - Struct           23S2-2180         UC/PP 3 - Struct           23S2-2180         UC/PP 3 - Struct           23S2-2180         UC/PP 3 - Struct           23S2-2180         UC/PP 3 - Struct           23S2-2250         UC/PP 3 - Struct           23S2-2280         UC/PP 3 - E&M I           23S2-2280         UC/PP 3 - E&M I           23S2-2280         UC/PP 3 - E&M I           23S2-2280         UC/PP 3 - E&M I           23S2-2280         UC/PP 3 - EAM I           23S2-2280         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           3: UC/PP2 Civil and Structural Work           23S2-2210         UC/PP 2 - ELS, E           3: UC/PP2 Civil and Structural Work           23S2-2210         UC/PP 2 - ELS, E           3: UC/PP2 Civil and Structural Work           3: UC/PP 2 - ELS, E	Vorks ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works M Installation and Pipeworks M Installation and Pipeworks M Handover stallation and Set-Up for SCADA System	150           150           22           48           48           50           50           50	15-Sep 15-Sep 15-Sep 13-Oct	-22 21-Mar-2		28-Jun-23	46	
3: UC/PP3 Civil and Structural Work           3: UC/PP3 Civil and Structural Work           23S2-2140         UC/PP 3 - Structural           23S2-2180         UC/PP 3 - Structural           23S2-2250         UC/PP 3 - Structural           23S2-2280         UC/PP 3 - Structural           23S2-2280         UC/PP 3 - E&M Installation           23S2-2280         UC/PP 3 - EAM Installation           23S2-2279         UC/PP 3 - Installation           23S2-2285         UC/PP 3 - Installating           23S2-2270         UC/PP 2 - ELS, E           23S2-2170         UC/PP 2 - ELS, E           23S2-2170         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2230         UC/PP 2 - ELS, E           23S2-2230         UC/PP 2 - ELS, E           23S2-2300         UC/PP 2 - ES Wo           23S2-2300         UC/PP 2 - ES Wo           23S2-2310         UC/PP 2 - ES Wo           23S2-2325         UC/PP 2 - ES MI	ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works AM Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System	150           22           48           50           50           50	15-Sep 15-Sep 13-Oct		3 07-Nov-22		75	
23S2-2140         UC/PP 3 - Structu           23S2-2180         UC/PP 3 - Structu           23S2-2250         UC/PP 3 - Structu           23S2-2250         UC/PP 3 - Structu           23S2-2280         UC/PP 3 - E&M I           23S2-2280         UC/PP 3 - E&M I           23S2-2279         UC/PP 3 - E&M I           23S2-2285         UC/PP 3 - E&M I           23S2-2285         UC/PP 3 - E&M I           23S2-2285         UC/PP 3 - E&M I           23S2-2280         UC/PP 3 - E&M I           23S2-2280         UC/PP 3 - E&M I           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2230         UC/PP 2 - ELS, E           23S2-2230         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - E&M I           23S2-2310         UC/PP 2 - Structt           23S2-2325         <	ructure (-3.75 to -2.20mPD, Base Slab) at Stage 3 ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works AM Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System	22 48 48 50 50 50	15-Sep 13-Oct	22 21-10101-2		16-May-23	43	
23S2-2180         UC/PP 3 - Structu           23S2-2250         UC/PP 3 - Structu           23S2-2250         UC/PP 3 - Structu           23S2-2250         UC/PP 3 - Structu           23S2-2280         UC/PP 3 - Staultu           23S2-2279         UC/PP 3 - E&M I           23S2-2285         UC/PP 3 - Isstalla           rgg 3 : Utility Corridor No. 2         3           23S2-2280         UC/PP 3 - Isstalla           rgg 3 : Utility Corridor No. 2         3           23S2-2170         UC/PP 2 - ELS, E           23S2-210         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - Structu           23S2-2230         UC/PP 2 - Structu           23S2-2230         UC/PP 2 - Structu           23S2-2300         UC/PP 2 - Structu           23S2-2300         UC/PP 2 - Structu           23S2-2300         UC/PP 2 - Structu           23S2-2310         UC/PP 2 - Structu           23S2-2320         UC/PP 2 - Structu           23S2-2310         UC/PP 2 - Structu	ructure (-2.20 to +1.0mPD) ructure (+1.0 to +4.2mPD) including Backfill S Works AM Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System	48 48 50 50 50	13-Oct	00 10 0-10		-		UC/PP 3 - Structure (-3.75 to -2.20mPD, Base Slab) at Stage 3.
23S2-2250         UC/PP 3 - Structu.           23S2-3040         UC/PP 3 - BS WG           3 : UC/PP3 E&M Installation         23S2-2280           23S2-2280         UC/PP 3 - E&M Installation           23S2-2285         UC/PP 3 - E&M Installation           23S2-2285         UC/PP 3 - E&M Installation           23S2-2285         UC/PP 3 - Installation           23S2-2285         UC/PP 3 - Installation           23S2-2170         UC/PP 2 - ELS, E           23S2-2190         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2230         UC/PP 2 - ELS, E           23S2-2230         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - Structt           23S2-2310         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - E&M Installation           23S2-23	ructure (+1.0 to +4.2mPD) including Backfill S Works BM Installation and Pipeworks BM Handover stallation and Set-Up for SCADA System	48 50 50 50					43	UC/PR 3 - Stàudure (3.75 to 42.20mPD, Base Slab) at Stage 3
23S2-3040         UC/PP 3 - BS Wo           3: UC/PP3 E&M Installation           23S2-2280         UC/PP 3 - E&M Installation           23S2-2279         UC/PP 3 - E&M Installation           23S2-2285         UC/PP 3 - E&M Installation           23S2-2285         UC/PP 3 - E&M Installation           23S2-2285         UC/PP 3 - E&M Installation           23S2-2285         UC/PP 2 - ELS, E           23S2-2170         UC/PP 2 - ELS, E           23S2-2100         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2230         UC/PP 2 - ELS, E           23S2-2240         UC/PP 2 - ELS, E           23S2-2300         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - Structt           23S2-2310         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - E&M Installation           23S3-2450         ST	S Works BM Installation and Pipeworks BM Handover stallation and Set-Up for SCADA System	50 50 50					43	UC/PP 3 - Structure (+2)29 to +1.0mPD) UC/PP 3 - Structure (+1.0 to +4.2mPD) including:Backfill
3: UC/PP3 E&M Installation           23S2-2280         UC/PP 3 - E&M Installation           23S2-2285         UC/PP 3 - E&M Installation           23S2-2285         UC/PP 3 - Installation           23S2-2285         UC/PP 3 - Installation           23S2-2285         UC/PP 3 - EAM Installation           23S2-2285         UC/PP 3 - Installation           23S2-2210         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - Structure           23S2-2300         UC/PP 2 - Structure           23S2-2300         UC/PP 2 - EAM H           23S2-2300         UC/PP 2 - EAM H           23S2-2300         UC/PP 2 - Installation           23S2-2325         UC/PP 2 - Installation           23S2-2325         UC/PP 2 - Installation	AM Installation and Pipeworks AM Handover stallation and Set-Up for SCADA System	50 50	08-Dec				43	LC/PP 3 - Structure (+1.0 to +4.2mPD) including Backfill
23S2-2280         UC/PP 3 - E&M II           23S2-2285         UC/PP 3 - Install           23S2-2285         UC/PP 3 - Install           23S2-2285         UC/PP 3 - Install           23S2-2285         UC/PP 2 - ILS, E           23S2-22170         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           3S2-2200         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - ESM II           23S2-2300         UC/PP 2 - ESM II           23S2-2300         UC/PP 2 - ESM II           23S2-2319         UC/PP 2 - ESM II           23S2-2325         UC/PP 2 - Install           293 : New Sludge Digester II           3S3-2010         Sludge	M Handover stallation and Set-Up for SCADA System	50	16-Jan			-	43	
332-2279         UC/PP 3 - E&M H           332-2285         UC/PP 3 - Installa           332-2285         UC/PP 3 - Installa           332-22170         UC/PP 2 - ELS, E           332-22170         UC/PP 2 - ELS, E           332-22170         UC/PP 2 - ELS, E           332-22170         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2200         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - Structu           332-2300         UC/PP 2 - Structu           332-2310         UC/PP 2 - ES WC           333-2010         Sludge Digester I           332-2310         UC/PP 2 - Installa           333-2010         Sludge Digester I           333-2010         Sludge Digester I           333-2010         Sludge Di	M Handover stallation and Set-Up for SCADA System		16-Jan-	23 21-Mar-2	3 14-Mar-23	24-Jun-23	75	
23S2-2285         UC/PP 3 - Installar           age 3 : Utility Corridor No. 2         3 : UC/PP2 Foundation and ELS Work           23S2-2170         UC/PP 2 - ELS, E           23S2-2170         UC/PP 2 - ELS, E           23S2-2170         UC/PP 2 - ELS, E           23S2-2170         UC/PP 2 - ELS, E           23S2-2170         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           3S2-2210         UC/PP 2 - ELS, E           3S2-2210         UC/PP 2 - ELS, E           3S2-2230         UC/PP 2 - Structu           23S2-2200         UC/PP 2 - Structu           23S2-2300         UC/PP 2 - Structu           23S2-2300         UC/PP 2 - Structu           23S2-2310         UC/PP 2 - ES WO           23S2-2319         UC/PP 2 - EMA H           23S2-2319         UC/PP 2 - Installar           23S3-2010         Sludge Digester No. 1 and           23S3-2010         Sludge Digester I           23S3-2010         STB - ELS, Excand           23S3-2450         STB - Slucture (- <td>stallation and Set-Up for SCADA System</td> <td>0</td> <td>16-Jan</td> <td>23 21-Mar-2</td> <td>3 14-Mar-23</td> <td>16-May-23</td> <td>43</td> <td>💭 UCIPP 2 - E&amp;M Installation and Pipeworks</td>	stallation and Set-Up for SCADA System	0	16-Jan	23 21-Mar-2	3 14-Mar-23	16-May-23	43	💭 UCIPP 2 - E&M Installation and Pipeworks
arge 3: Utility Corridor No. 2           3: UC/PP2 Foundation and ELS Wo           23S2-2170         UC/PP 2 - ELS, E           23S2-2190         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           3S2-2220         UC/PP 2 - ELS, E           3S2-2200         UC/PP 2 - ELS, E           3S2-2210         UC/PP 2 - Structt           23S2-2200         UC/PP 2 - Structt           23S2-2200         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - E&M I           23S2-2310         UC/PP 2 - E&M I           23S2-2325         UC/PP 2 - E&M I           23S2-2310         UC/PP 2 - E&M I           23S2-2310         Sludge Digester No. 1 and           23S3-2010         Sludge Digester I           23S3-2010         Sludge Digest		0	16-Jan	23	14-Mar-23		43	C/PP 3 - E&M Handover
3: UC/PP2 Foundation and ELS Wo           3:352-2170         UC/PP 2 - ELS, E           3:352-2190         UC/PP 2 - ELS, E           3:352-2190         UC/PP 2 - ELS, E           3:352-2200         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - Structt           3:352-2200         UC/PP 2 - Structt           3:352-2300         UC/PP 2 - Structt           3:352-2300         UC/PP 2 - E&M I           3:352-2300         UC/PP 2 - E&M I           3:352-2319         UC/PP 2 - E&M I           3:352-2320         UC/PP 2 - E&M I           3:352-2310         Sludge Digester No. 1 and           3:352-2310         Sludge Digester No. 1 and           3:363-2010         Sludge Digester No. 1 and           3:363-2010         Sludge Digester I      <	Works	14	06-Mar	-23 21-Mar-2	3 08-Jun-23	24-Jun-23	75	UC/PP 3 - Inistallation and Sel-Up for SCADA System
3: UC/PP2 Foundation and ELS Wo           3:352-2170         UC/PP 2 - ELS, E           3:352-2190         UC/PP 2 - ELS, E           3:352-2190         UC/PP 2 - ELS, E           3:352-2200         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - ELS, E           3:352-2210         UC/PP 2 - Structt           3:352-2200         UC/PP 2 - Structt           3:352-2300         UC/PP 2 - Structt           3:352-2300         UC/PP 2 - E&M I           3:352-2300         UC/PP 2 - E&M I           3:352-2319         UC/PP 2 - E&M I           3:352-2320         UC/PP 2 - E&M I           3:352-2310         Sludge Digester No. 1 and           3:352-2310         Sludge Digester No. 1 and           3:363-2010         Sludge Digester No. 1 and           3:363-2010         Sludge Digester I      <	Works	220	01-Aug			28-Jun-23	46	UCIPP 3 - E&M Installation and Pipeworks UCIPP 3 - E&M Handover UCIPP 3 - Jest Handover UCIPP 3 - Installation and Set-Up for SCADA System
332-2170         UC/PP 2 - ELS, E           332-2170         UC/PP 2 - ELS, E           332-2190         UC/PP 2 - ELS, E           332-2200         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2210         UC/PP 2 - ELS, E           332-2220         UC/PP 2 - ELS, E           332-2230         UC/PP 2 - ELS, E           332-2230         UC/PP 2 - ELS, E           332-2240         UC/PP 2 - ELS, E           332-2230         UC/PP 2 - ELS, E           332-2240         UC/PP 2 - ELS, E           332-2270         UC/PP 2 - Structt           332-2270         UC/PP 2 - Structt           332-2300         UC/PP 2 - Structt           332-2300         UC/PP 2 - Structt           332-2300         UC/PP 2 - Structt           332-2300         UC/PP 2 - Structt           332-2300         UC/PP 2 - E&M I           332-2300         UC/PP 2 - E&M I           332-2325         UC/PP 2 - E&M I           332-2325         UC/PP 2 - E&M I           332-2325         UC/PP 2 - E&M I           333-2010         Sludge Digester I           94         + STB Foundation and ELS           333-2450         STB - Flie Cap C </td <td></td> <td>64</td> <td>01-Aug</td> <td></td> <td></td> <td>24-Dec-22</td> <td>59</td> <td></td>		64	01-Aug			24-Dec-22	59	
23S2-2190         UC/PP 2 - ELS, S           23S2-2200         UC/PP 2 - ELS, E           23S2-2200         UC/PP 2 - ELS, E           23S2-2210         UC/PP 2 - ELS, E           23S2-2220         UC/PP 2 - ELS, E           23S2-2230         UC/PP 2 - ELS, E           23S2-2230         UC/PP 2 - ELS, E           23S2-2230         UC/PP 2 - ELS, E           23S2-2240         UC/PP 2 - ELS, E           3S2-2250         UC/PP 2 - ELS, E           3S2-2270         UC/PP 2 - Structt           23S2-2290         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - Structt           23S2-2300         UC/PP 2 - Structt           23S2-2310         UC/PP 2 - E&M I           23S2-2325         UC/PP 2 - E&M I           23S2-2325         UC/PP 2 - Isstalla           26 3 : SD 1,2 Pre-drilling Works         SS3-2010           SIM-PIP 2 - ES, E         SS3-2010           SIM-PIP 2 - Structure         SS3-2450           23S1 - Structure         STB - FLS, Excar           23S3-2450         STB - FLS, Excar           23S3-2450         STB - Structure (-	.S, Excavation (+6.0 to +4.0mPD)	16	01-Aug			29-Oct-22	59	
3S2-2200         UC/PP 2 - ELS, E           3S2-2260         UC/PP 2 - Marine           3S2-2210         UC/PP 2 - ELS, E           3S2-2210         UC/PP 2 - ELS, E           3S2-2220         UC/PP 2 - ELS, E           3S2-2230         UC/PP 2 - ELS, E           3S2-2230         UC/PP 2 - ELS, E           3S2-2240         UC/PP 2 - ELS, E           3S2-2240         UC/PP 2 - ELS, E           3S2-2270         UC/PP 2 - ELS, E           3S2-2290         UC/PP 2 - Structt           3S2-2300         UC/PP 2 - Structt           3S2-2300         UC/PP 2 - Structt           3S2-2300         UC/PP 2 - Structt           3S2-2300         UC/PP 2 - E&M I           3S2-2300         UC/PP 2 - E&M I           3S2-2319         UC/PP 2 - E&M I           3S2-2325         UC/PP 2 - Installa           ge 3 : SD 1,2 Pre-drilling Works         S33-2010           SIMge Digester I         Structure           SS3-2010         STB - ELS, Excar           SS3-2450         STB - ELS, Excar           STB - Structure (-         S33-2600           STB - Structure (-         S33-2600           STB - Structure (-         SS3-3100           STB - Structure (- <td>S, Strut Installation S1 (+4.0mPD)</td> <td>8</td> <td>19-Aug</td> <td></td> <td></td> <td></td> <td>82</td> <td>Correr 2 - ELOS EXCAVAIOT (4500 ID + KOURE)     Correr 2 - ELOS EXCAVAIOT (4500 ID + KOURE)</td>	S, Strut Installation S1 (+4.0mPD)	8	19-Aug				82	Correr 2 - ELOS EXCAVAIOT (4500 ID + KOURE)     Correr 2 - ELOS EXCAVAIOT (4500 ID + KOURE)
3S2-2260         UC/PP 2 - Marine           3S2-2210         UC/PP 2 - ELS, S           3S2-2220         UC/PP 2 - ELS, S           3S2-2230         UC/PP 2 - ELS, S           3S2-2230         UC/PP 2 - ELS, S           3S2-2240         UC/PP 2 - ELS, S           3S2-2230         UC/PP 2 - ELS, S           3S2-2240         UC/PP 2 - ELS, S           3S2-2270         UC/PP 2 - Structural Work           3S2-2300         UC/PP 2 - Structural SS2-2300           UC/PP 2 - Structural SS2-2300         UC/PP 2 - Structural SS2-2300           UC/PP 2 - Structural SS2-2300         UC/PP 2 - Structural SS2-2319           UC/PP 2 - E&M Intraction         SS2-2325           UC/PP 2 - E&M Intraction         SS2-2325           UC/PP 2 - Installation         SS3-2010           SINdge Digester No. 1 and Structure SS3-3010         Studge Digester No. 1 and SS3-2010           SINdge Thickening Buildiding e 4 : STB Foundation and ELS         SS3-2450           SS3-2450         STB - ELS, Excar SS3-2450           STB - Structure (-         STB - Structure (-           3S3-2600         STB - Structure (-           3S3-2600         STB - Structure (-           3S3-300         STB - Structure (-           3S3-3100         STB - Structure (-	.S. Excavation (+4.0 to +1.5mPD)	16	19-Aug			17-Nov-22	59	UC/PP:2 - ELS, Struttinstallation S ( (+4.0 the +1.5mPD)
332-2210         UC/PP 2 - ELS, S           3352-2220         UC/PP 2 - ELS, S           3352-2230         UC/PP 2 - ELS, S           3352-2240         UC/PP 2 - ELS, S           3 : UC/PP 2 Civil and Structural Work           352-2270         UC/PP 2 - ELS, S           3 : UC/PP 2 Civil and Structural Work           352-2270         UC/PP 2 - Structural           352-2300         UC/PP 2 - Structural           352-2300         UC/PP 2 - Structural           352-2300         UC/PP 2 - Structural           352-2300         UC/PP 2 - Structural           352-2300         UC/PP 2 - E8M In           352-2320         UC/PP 2 - E8M In           352-2325         UC/PP 2 - Installation           353-2010         Sludge Digester No. 1 and           353-2010         Sludge Digester No. 1 and           353-2010         Sludge Digester In           16         4           4.3340         Completion of Strigge 4 : STB Foundation and ELS           353-2450         STB - ELS, Excar           353-2450         STB - Structure (-           353-2600         STB - Structure (-           353-2600         STB - Structure (-           353-32600         STB - Structure (-	, , ,	-		· ·				
23S2-2220         UC/PP 2 - ELS, E           23S2-2230         UC/PP 2 - ELS, E           23S2-2240         UC/PP 2 - ELS, E           3S2-2270         UC/PP 2 - Structural Work           23S2-2270         UC/PP 2 - Structural           23S2-2290         UC/PP 2 - Structural           23S2-2290         UC/PP 2 - Structural           23S2-2290         UC/PP 2 - Structural           23S2-2300         UC/PP 2 - Structural           23S2-2300         UC/PP 2 - Structural           23S2-2300         UC/PP 2 - ES Works           23S2-2320         UC/PP 2 - ES Works           23S2-2320         UC/PP 2 - EAM Installation           23S2-2325         UC/PP 2 - EAM Installation           23S2-2325         UC/PP 2 - Installation           23S3-2010         Sludge Digester No. 1 and geg 3 : SD 1,2 Pre-drilling Works           23S3-2010         Sludge Digester I and Structural Works           4-3340         Completion of String 4 : STB Foundation and ELS           23S3-2450         STB - ELS, Excar           23S3-2450         STB - Structure (-           23S3-2600         STB - Structure (-           23S3-2600         STB - Structure (-           23S3-2600         STB - Structure (-           23S3-2630	arine Sediments Treatment and Disposal	30	19-Aug	· ·			61	UC/PP 2 - Marine Sediments Treatment and Dispose
23S2-2230         UC/PP 2 - ELS, S           23S2-2240         UC/PP 2 - ELS, E           3 : UC/PP2 Civil and Structural Work           23S2-2270         UC/PP 2 - Struct           23S2-2290         UC/PP 2 - Struct           23S2-2300         UC/PP 2 - Struct           23S2-2300         UC/PP 2 - Struct           23S2-2300         UC/PP 2 - Struct           23S2-2300         UC/PP 2 - Struct           23S2-2300         UC/PP 2 - Struct           23S2-2300         UC/PP 2 - Struct           23S2-2300         UC/PP 2 - Struct           23S2-2300         UC/PP 2 - E&M Installation           23S2-2319         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - E&M Installation           23S2-235         UC/PP 2 - Installation           23S2-23010         Sludge Digester No. 1 and           23S3-2010         Sludge Digester Installation           23S3-2010         Sludge Digester Installation           23S4         STB - ELS, Excar           23S3-2450         STB - Flie Cap Co           23S3-2600         STB - Structure (-           23S3-2600         STB - Structure (-           23S3-2600         STB - Structure (-           2SS3-2600         STB - Struct	.S, Strut Installation S2 (+1.5mPD)	8	07-Sep	· ·			74	UC/PP 2 - ELS; Strut Installation \$2 (+1.5mPD)
23S2-2240         UC/PP 2 - ELS, E           3: UC/PP2 Civil and Structural Work           23S2-2270         UC/PP 2 - Structural           23S2-2290         UC/PP 2 - Structural           23S2-2300         UC/PP 2 - Structural           23S2-2300         UC/PP 2 - Structural           23S2-2300         UC/PP 2 - Structural           23S2-2300         UC/PP 2 - Structural           23S2-2300         UC/PP 2 - Structural           23S2-2300         UC/PP 2 - Structural           23S2-2300         UC/PP 2 - Structural           23S2-2320         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - Installation           23S2-2325         UC/PP 2 - Installation           23S3-2010         Sludge Digester No. 1 and Structural Works           3S3-2010         Sludge Thickening Buildinge 4 : STB Foundation and ELS           23S3-2450         STB - Flie Cap Core           23S3-2450         STB - Pile Cap Core           23S3-2600         STB - Structure (-           23S3-2630         STB - Structure (-           23S3-2630         STB - Structure (-           23S3-3100         STB - Structure (-           23S3-3100         STB - Structure (-<	.S, Excavation (+1.5 to -1.0mPD)	16	07-Sep	· · ·			59	UC/PP 2 - ELS, Excavation (+1.5/toi-1.0mPD)
3: UC/PP2 Civil and Structural Work           23S2-2270         UC/PP 2 - Structu           23S2-2290         UC/PP 2 - Structu           23S2-2300         UC/PP 2 - Structu           23S2-3030         UC/PP 2 - Structu           23S2-3030         UC/PP 2 - Structu           23S2-3030         UC/PP 2 - Structu           23S2-3030         UC/PP 2 - Structu           23S2-3030         UC/PP 2 - Structu           23S2-3200         UC/PP 2 - E&M I           23S2-2319         UC/PP 2 - E&M I           23S2-2325         UC/PP 2 - E&M I           23S2-2325         UC/PP 2 - Installation           ge 3 : New Sludge Digester No. 1 and           ge 3 : SD 1, 2 Pre-drilling Works           3S3-2010         Sludge Digester No. 1 and           ge 4 : New Sludge Thickening Buildinge 4 : STB Foundation and ELS           3S3-2450         STB - ELS, Excar           ge 4 : STB Civil and Structural Works           4 : STB Substructure           23S3-2600         STB - Pile Cap O           23S3-2600         STB - Structure (           23S3-2630         STB - Structure (           23S3-3100         STB - Structure (           23S3-3080         Construction of File	.S, Strut Installation S3 (-1.0mPD)	9	27-Sep				66	UC/PP 2:- ELS, Strut Installation SB (1)0mPD
332-2270         UC/PP 2 - Structu           2352-2290         UC/PP 2 - Structu           2352-2300         UC/PP 2 - Structu           2352-3030         UC/PP 2 - Structu           2352-3030         UC/PP 2 - Structu           2352-3030         UC/PP 2 - Structu           2352-3030         UC/PP 2 - Structu           2352-2320         UC/PP 2 - E&M I           2352-2320         UC/PP 2 - E&M I           2352-2325         UC/PP 2 - E&M I           2352-2325         UC/PP 2 - Installa           ge 3 : New Sludge Digester No. 1 and         ge 3 : SD 1, 2 Pre-drilling Works           353-2010         Sludge Digester No. 1 and           ge 4 : New Sludge Thickening Building 4 : STB Foundation and ELS           353-2450         STB - ELS, Excar           ge 4 : STB Substructure         2353-2600           2353-2600         STB - Pile Cap Co           2353-2600         STB - Structure (-           2353-2630         STB - Structure (-           2353-3100         STB - Structure (-           4 : STB Superstructure         2353-3100           2353-3080         Construction of F	.S, Excavation (-1.0 to -3.75mPD)	16	27-Sep	-22 17-Oct-2	2 07-Dec-22	24-Dec-22	59	UC/PP 2 - ELS; Excavation (:1.0 to :3.75mPD)
23S2-2290         UC/PP 2 - Structu           23S2-2300         UC/PP 2 - Structu           23S2-3030         UC/PP 2 - Structu           23S2-3030         UC/PP 2 - Structu           23S2-3030         UC/PP 2 - Structu           23S2-2320         UC/PP 2 - E&M I           23S2-2319         UC/PP 2 - E&M I           23S2-2325         UC/PP 2 - Installa           ge 3 : New Sludge Digester No. 1 and         sold           ge 3 : New Sludge Digester I         Sludge Digester I           ge 4         - STB Foundation and ELS           3S3-2450         STB - ELS, Excar           ge 4 : STB Foundation and ELS         SS3-2600           2SS3-2600         STB - Pile Cap Co           2SS3-2600         STB - Structure (-           2SS3-2630         STB - Structure (-           2SS3-3100         STB - Structure (-           2SS3-3100         STB - Structure (-           4: Chemical Building and Reclaimed         Construction of File	/orks	143	18-Oct	22 17-Apr-2	3 28-Dec-22	28-Jun-23	59	
23S2-2300         UC/PP 2 - Structu           23S2-2300         UC/PP 2 - BS Wo           3 : UC/PP 2 E&M Installation         23S2-2320           23S2-2320         UC/PP 2 - E&M Installation           23S2-2321         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - Installation           23S3 : New Sludge Digester No. 1 am         and           23S3 : SD 1, 2 Pre-drilling Works         353-2010           3S3-2010         Sludge Digester No. 1 am           294         - STB Foundation and ELS           3S3-2450         STB - ELS, Excan           294 4 : STB Substructure         23S3-2600           23S3-2600         STB - File Cap C           23S3-2600         STB - Structure (-           24 : STB Superstructure         23S3-3100           23S-3100         STB - Structure (-           4 : Chemical Building and Reclaimed         23S3-3080	ructure (-3.75 to -2.20mPD, Base Slab)	36	18-Oct	22 28-Nov-2	2 28-Dec-22	15-Feb-23	59	UC/RP 2 : Structure (i3.75 to 4.20mPD.Base Slab)
23S2-3030         UC/PP 2 - BS Wo           3: UC/PP2 E&M Installation           23S2-2320         UC/PP 2 - E&M Installation           23S2-2319         UC/PP 2 - E&M Installation           23S2-2325         UC/PP 2 - Installation           23S2-2325         UC/PP 2 - Installation           23S2-2325         UC/PP 2 - Installation           23S2-2325         UC/PP 2 - Installation           23S3-2010         Sludge Digester No. 1 and structures           23S3-2010         Sludge Digester Installation           26         4           4         43440           Completion of Stage 4 : STB Foundation and ELS           3S3-2450         STB - ELS, Excarding 4 : STB Civil and Structural Works           4 : STB Substructure         23S3-2600           23S3-2600         STB - Structure (-23S3-2600           23S3-2600         STB - Structure (-23S3-3100           4 : STB Superstructure         23S3-3100           23S - 4: STB Superstructure         23S3-3080	ructure (-2.20 to +1.0mPD)	36	29-Nov	-22 12-Jan-2	3 16-Feb-23	29-Mar-23	59	UC/PP 2 + Structure (:3.75 to -2.20mPD, Base Slab);
3: UC/PP2 E&M Installation           Z3S2-2320         UC/PP 2 - E&M Installation           Z3S2-2319         UC/PP 2 - E&M Installation           Z3S2-2319         UC/PP 2 - E&M Installation           Z3S2-2325         UC/PP 2 - Installation           Z3S2-2325         UC/PP 2 - Installation           Z3S2-2325         UC/PP 2 - Installation           Z3S2-2325         UC/PP 2 - Installation           Z3S3-2010         Sludge Digester No. 1 and ge 3 : SD 1,2 Pre-drilling Works           Z3S3-2010         Sludge Digester Installation           Z9         4           4-3340         Completion of Stage 4 : STB Foundation and ELS           Z3S3-2450         STB - ELS, Excange 4 : STB Substructure           Z3S3-2600         STB - Flie Cap C           Z3S3-2600         STB - Structure (-23S3-2600)           Z3S3-2600         STB - Structure (-23S3-2600)           Z3S3-3100         STB - Structure (-23S3-3100)           Z1 - Structure (-23S3-3100)         STB - Structure (-23S3-3100)           Z3S - Structure (-23S3-3080)         Construction of Restarted -23S3-3080	ructure (+1.0 to +4.2mPD) including Backfill	36	13-Jan	23 02-Mar-2	3 30-Mar-23	16-May-23	59	UCPP-2 - Structure (+1:0 to +4 2mPD) including Backfill
3: UC/PP2 E&M Installation           Z3S2-2320         UC/PP 2 - E&M Installation           Z3S2-2319         UC/PP 2 - E&M Installation           Z3S2-2319         UC/PP 2 - E&M Installation           Z3S2-2325         UC/PP 2 - Installation           Z3S2-2325         UC/PP 2 - Installation           Z3S2-2325         UC/PP 2 - Installation           Z3S2-2325         UC/PP 2 - Installation           Z3S3-2010         Sludge Digester No. 1 and ge 3 : SD 1,2 Pre-drilling Works           Z3S3-2010         Sludge Digester Installation           Z9         4           4-3340         Completion of Stage 4 : STB Foundation and ELS           Z3S3-2450         STB - ELS, Excange 4 : STB Substructure           Z3S3-2600         STB - Flie Cap C           Z3S3-2600         STB - Structure (-23S3-2600)           Z3S3-2600         STB - Structure (-23S3-2600)           Z3S3-3100         STB - Structure (-23S3-3100)           Z1 - Structure (-23S3-3100)         STB - Structure (-23S3-3100)           Z3S - Structure (-23S3-3080)         Construction of Restarted -23S3-3080	s Works	35	03-Mar	-23 17-Apr-2	3 17-May-23	28-Jun-23	59	
23S2-2320         UC/PP 2 - E&M II           23S2-2319         UC/PP 2 - E&M II           23S2-2319         UC/PP 2 - E&M II           23S2-2325         UC/PP 2 - Installa           ge 3 : New Sludge Digester No. 1 and         nge 3 : SD 1,2 Pre-drilling Works           3S3-2010         Sludge Digester No. 1 and           ge 4 : New Sludge Thickening Buildi         nge 4 : STB Foundation and ELS           3S3-2450         STB - ELS, Excardinge 4 : STB Substructure           23S3-2500         STB - Pile Cap Col           23S3-2630         STB - Structure (cl           4: STB Substructure         23S3-2630           23S3-2630         STB - Structure (cl           4: STB Superstructure         23S3-3100           23S-3300         STB - Structure (cl           4: Chemical Building and Reclaimed         23S3-3080		32	22-Mar		· ·	24-Jun-23	43	
23S2-2319         UC/PP 2 - E&M F           23S2-2325         UC/PP 2 - Installa           ge 3 : New Sludge Digester No. 1 and         age 3 : SD 1,2 Pre-drilling Works           3S3-2010         Sludge Digester No. 1 and           ge 3 : SD 1,2 Pre-drilling Works         sludge Digester No. 1 and           3S3-2010         Sludge Digester No. 1 and           ge 4         Sludge Digester I           4-3340         Completion of Sta           ge 4 : STB Foundation and ELS         3S3-2450           STB - Strickerung Works         A : STB Substructure           23S3-2600         STB - Pile Cap Co           23S3-2600         STB - Structure (           23S3-2630         STB - Structure (           4 : STB Superstructure         23S3-3100           23ST - Structure (         4 : Chemical Building and Reclaimed           23S3-3080         Construction of File	M Installation and Pipeworks at Stage 3	32	22-Mar	-			43	UC/PP:2 - E&M Installation and Pipeworks at Stage 3
23S2-2325     UC/PP 2 - Installage 3 : New Sludge Digester No. 1 and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		0	22-Mar		17-May-23		43	OUTFICE TOWN INSCRIDUNT AND FIDEWOIRS AT STAGE 5     IDD 6 7 Fold Information
ge 3 : New Sludge Digester No. 1 and         ige 3 : SD 1,2 Pre-drilling Works         3S3-2010       Sludge Digester I         je 4       Sludge Digester I         4-3340       Completion of Sta         ge 4 : New Sludge Thickening Buildinge 4 : STB Foundation and ELS       SS3-2450         STB - ELS, Excarage 4 : STB Substructure       STB - FLS, Excarage 4 : STB Substructure         23S3-2600       STB - Pile Cap Ca         23S3-2600       STB - Structure (-         23S3-2600       STB - Structure (-         23S3-2600       STB - Structure (-         4 : STB Superstructure       STB - Structure (-         4 : STB Superstructure       STB - Structure (-         4 : STB Superstructure       STB - Structure (-         4 : STB Superstructure       STB - Structure (-         4 : Chemical Building and Reclaimed       Construction of F	stallation and Set-Up for SCADA System	14	17-Apr		,		43	UC/PP 2 - E&M Handover     UC/PP 2 - Installation and Set:Up for SCADA System
ge 3 : SD 1,2 Pre-drilling Works         3S3-2010       Sludge Digester I         ge 4       Sludge Digester I         4-3340       Completion of Sta         ge 4 : New Sludge Thickening Buildinge 4 : STB Foundation and ELS       Sta4450         SS3-2450       STB - ELS, Excar         arge 4 : STB Civil and Structural Works       4 : STB Substructure         23S3-2600       STB - Pile Cap Cc         23S3-2600       STB - Structure (         23S3-2600       STB - Structure (         4 : STB Superstructure       23S3-3100         23S - Structure (       4 : Chemical Building and Reclaimed         23S3-3080       Construction of File		14	06-May	,				
383-2010     Sludge Digester I       ge 4     Completion of Stage 4: New Sludge Thickening Buildinge 4: STB Foundation and ELS       383-2450     STB - ELS, Excange 4: STB Civil and Structural Works       4: STB Substructure     2383-2600       2383-2600     STB - Pile Cap Coll       2383-2600     STB - Structure (-       2383-2630     STB - Structure (-       2383-2630     STB - Structure (-       2383-2630     STB - Structure (-       2383-3100     STB - Structure (-       4: Chemical Building and Reclaimed       2383-3080     Construction of File	and 2 (Continued)	40					229	
ge 4         4-3340       Completion of Stage 4 : New Sludge Thickening Buildinge 4 : STB Foundation and ELS         3S3-2450       STB - ELS, Excarge 4 : STB Civil and Structural Works         4: STB Substructure       23S3-2600         23S3-2600       STB - Pile Cap Or 23S3-2600         23S3-2600       STB - Structure (-23S3-2600)         23S3-2630       STB - Structure (-23S3-3100)         4: STB Superstructure       23S3-3100         23S3-3080       Construction of File		45	06-May				229	
4-3340     Completion of Stage 4 : New Sludge Thickening Buildinge 4 : STB Foundation and ELS       3S3-2450     STB - ELS, Excange 4 : STB Civil and Structural Works       4 : STB Substructure     23S3-2500       23S3-2500     STB - Pile Cap Or 23S3-2600       23S3-2600     STB - Structure (-23S3-2600)       23S3-2630     STB - Structure (-23S3-3100)       23S3-3100     STB - Structure (-23S3-3100)       23S3-3080     Construction of File	ster No. 1-2 - Pre-drill (4 nos. SD-PD1,SD-PD2,SD-PD3,SD-PD4)	45	06-May			· ·	229	Sludge: Digester No. 1-2 - Pre-drill (4 nos. SD-PD1,SD-PD2,SD-PD3,SD-PD4)
ge 4 : New Sludge Thickening Buildinge 4 : STB Foundation and ELS         3S3-2450       STB - ELS, Excange 4 : STB Civil and Structural Works         4 : STB Substructure       23S3-2500         23S3-2500       STB - Pile Cap Or 23S3-2600         23S3-2600       STB - Structure (-23S3-2630)         4 : STB Superstructure       23S3-3100         23S3-3100       STB - Structure (-23S3-3100)         5TB - Structure (-23S3-3080)       Construction of File		433	30-Jun	22 16-Nov-2	3 01-Feb-23	20-Jun-24	186	
arge 4: STB Foundation and ELS           3S3-2450         STB - ELS, Excar           arge 4: STB Civil and Structural Works           4: STB Substructure           23S3-2500         STB - Pile Cap O           23S3-2600         STB - Structure (*           23S3-2630         STB - Structure (*           23S3-2630         STB - Structure (*           4: STB Superstructure         23S3-3100           23S3-3100         STB - Structure (*           4: Chemical Building and Reclaimed         23S3-3080		0		16-Nov-2	3*	16-Nov-23	0	🗴 Completion of Stage 4
Image 4: STB Foundation and ELS           SS3-2450         STB - ELS, Excar           SSB - ZES         STB - STB Civil and Structural Works           4: STB Substructure         23S3-2500           23S3-2500         STB - Pile Cap Or           23S3-2600         STB - Structure (-           23S3-2630         STB - Structure (-           23S3-2630         STB - Structure (-           4: STB Superstructure         23S3-3100           23S - Structure (-         STB - Structure (-           4: Chemical Building and Reclaimed         23S3-3080	uilding (STB) (Continued)	128	18-Jan	23 30-Jun-2	3 01-Feb-23	16-Nov-23	115	
S3-2450     STB - ELS, Excarge 4: STB Civil and Structural Works       4: STB Substructure       333-2500     STB - Pile Cap Collision       335-2600     STB - Structure (-       335-2630     STB - Structure (-       4: STB Superstructure     -       335-3100     STB - Structure (-       4: Chemical Building and Reclaimed     -       335-3080     Construction of File		18	18-Jan	23 14-Feb-2	3 01-Feb-23	21-Feb-23	6	
arge 4 : STB Civil and Structural Works         4 : STB Substructure         23S3-2500       STB - Pile Cap Cl         23S3-2600       STB - Structure (-         23S3-2630       STB - Structure (-         4 : STB Superstructure       -         23S3-3100       STB - Structure (-         4 : Chemical Building and Reclaimed       -         23S3-3080       Construction of File	Excavation (+0.5 to -3.55mPD)	18	18-Jan				6	루 STB :ELS, Excavation (+0:5 to:-3:55mPD)
4: STB Substructure           23S3-2500         STB - Pile Cap Cl           23S3-2600         STB - Structure (-           23S3-2630         STB - Structure (-           4: STB Superstructure         -           23S3-3100         STB - Structure (-           4: Chemical Building and Reclaimed         -           23S3-3080         Construction of File		126	27-Jan				115	
23S3-2500         STB - Pile Cap C           23S3-2600         STB - Structure (-           23S3-2630         STB - Structure (-           4:STB Superstructure         -           23S3-3100         STB - Structure (-           4:Chemical Building and Reclaimed         -           23S3-3080         Construction of R		90	15-Feb				6	
3S3-2600         STB - Structure (.           3S3-2630         STB - Structure (.           4:STB Superstructure	ap Construction (-3.55 to -1.5mPD, 2.055m)	40	15-Feb				6	STB:- Pile Cap Construction:(-3.55 to ;1.5mPD, ;2.055m)
3S3-2630     STB - Structure (       4 : STB Superstructure       3S3-3100     STB - Structure (       4 : Chemical Building and Reclaimed       3S3-3080     Construction of R		25	03-Apr	·		13-May-23	6	. → StB- File Cap Constitution (-3:35 10 FT 31 PP), 2:05310 STB - Structure (-1:5:to)+2.5mPD)
4 : STB Superstructure         3S3-3100       STB - Structure (-         4 : Chemical Building and Reclaimed         3S3-3080       Construction of R		25	03-Apr	-			6	
3S3-3100     STB - Structure (-       4 : Chemical Building and Reclaimed       3S3-3080     Construction of R		14					6	
4 : Chemical Building and Reclaimer           3S3-3080         Construction of R			07-Jun				0	
Construction of R	ure (+6.0 to +9.0mPD) Ground Floor @ +6.0mPD at Stage 4	14	07-Jun				6	STB   Structure (+6:0 to +9.0mPD) Ground Floor @ +6:0mPD at Stage 4
		126	27-Jan				115	
Z3S3-3070 Sludge Thickenin	of Reclaimed Water Building with Underground Pipeworks at Stage 4	120	27-Jan-				121	Construction of Reclaimed Water Building with Underground Pipe works at Stage 4
	ening Chemical System Building at Stage 4	120	03-Feb				115	Sludge Thickehing Chemical System Building at Stage 4
ge 4 : Biogas Holder No. 1 (Continue	nued)	80	26-Jun	23 27-Sep-2	3 26-Jun-23	27-Sep-23	0	
ALZ3BH-1010 Biogas Holder No	er No. 1 - Installation of pipework and instrumentation in Biogas Holder Valve Chamber No.4	56	26-Jun	23 30-Aug-2	3 26-Jun-23	30-Aug-23	0	Biógas Hólder No. 1 - Iristallátión of piþewórk and instrumentatión in Biogas Hölder Valve Chamber Nó.4
	er No. 1 - Instrumentation	56	26-Jun			-	0	🗮 Biogasi-Holder/No. 1 - Instrumentation
		56	26-Jun			-	0	Biogas:Holder:Np. 1 - Instrumentation Biogas:Holder:Np. 1 - Installation:of:Biogas:Booster:Pump No. 1.& 2
	r No. 1 - Installation of Biogas Booster Pump No.1 & 2	56	26-Jun			-	0	Biógas: Hólder/No. 1 + Electrical works (Cable wiring, termination, lightning; arrestor)
	er No. 1 - Installation of Biogas Booster Pump No.1 & 2 er No. 1 - Electrical works (Cable wiring, termination, lightning arrestor)	24	31-Aug			-	0	Biggas Holder No. 1 - Electrical works (cable wining, terninitation, egnining)
ge 4 : Utility Corridor Construction (	er No. 1 - Electrical works (Cable wiring, termination, lightning arrestor)	147	04-May	· · · ·		· · ·	16	
• • •	er No. 1 - Electrical works (Cable wiring, termination, lightning arrestor) er No. 1 - System Commissioning	147					145	⋅■・まえをないました。
age 4 : Utility Corridor No. 2	er No. 1 - Electrical works (Cable wiring, termination, lightning arrestor) er No. 1 - System Commissioning		04-May					╷┫┙╡╡┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊┊
4: UC/PP2 E&M Installation	er No. 1 - Electrical works (Cable wiring, termination, lightning arrestor) er No. 1 - System Commissioning	18	04-May			16-Nov-23	145	
	er No. 1 - Electrical works (Cable wiring, termination, lightning arrestor) er No. 1 - System Commissioning on (Continued)	18	04-May				145	UC/PP 2 - E&M Installation and Pipeworks at Stage 4
ge 4 : Utility Corridor No. 1	er No. 1 - Electrical works (Cable wiring, termination, lightning arrestor) er No. 1 - System Commissioning	24	28-Sep	-23 28-Oct-2	3 28-Sep-23	28-Oct-23	0	
	er No. 1 - Electrical works (Cable wiring, termination, lightning arrestor) er No. 1 - System Commissioning on (Continued)			_				Detailed Works Programme
PaulY	er No. 1 - Electrical works (Cable wiring, termination, lightning arrestor) er No. 1 - System Commissioning on (Continued) M Installation and Pipeworks at Stage 4		010	10 <u>-</u> VI	FPD -	Main V	Vnrka	
	er No. 1 - Electrical works (Cable wiring, termination, lightning arrestor) er No. 1 - System Commissioning on (Continued) M Installation and Pipeworks at Stage 4	+ DC/2	LU I J/		LFF ·	IVIAIII V		
	er No. 1 - Electrical works (Cable wiring, termination, lightning arrestor) er No. 1 - System Commissioning on (Continued) M Installation and Pipeworks at Stage 4	t DC/2						STOF Stage I DWP.DPr6_210930 Date Revision Checked A

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Remaining Work Critical Remaining Work 31-Aug-21 Rev. 5 31-Jul-21 Rev. 4

	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	Q3         Q4         Q1         Q2         Q3         Q3           1         1         1         1         1         1         1         1         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2 </th <th>Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3           2         2         2         2         3         3         3         3         3         3         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4</th>	Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3           2         2         2         2         3         3         3         3         3         3         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4
Z3S4-2000	Demolish Gas Holder (12) GH2	24	28-Sep-23	28-Oct-23	28-Sep-23	28-Oct-23	0		Demolish Gas Holder (12
	Digester No. 1 and 2 (Continued)	193	30-Jun-22	09-Feb-23	13-Apr-23	03-Feb-24	308		
tage 4 : SD 1,2 Found		193	30-Jun-22	09-Feb-23	13-Apr-23	03-Feb-24	308		
3S3-2050	Sludge Digester No. 1-2 - Driven H-pile (90 nos @ ave.1.5no/d/rig)	60	30-Jun-22	08-Sep-22	13-Apr-23	24-Jun-23	108	s	udge Digester No. 1-2 - Driven H pile (90 nos @ ave 1
3S3-2060	Sludge Digester No. 1-2 - Sheet Piles Install (3,128m2 @90m2/d)	36	09-Sep-22	24-Oct-22	26-Jun-23	07-Aug-23	229		Sludge Digester No. 1-2 - Sheet Piles Install (3,128n
3\$3-3390	Sludge Digester No. 1-2 - Submit to GEO (26d)	26	09-Sep-22	12-Oct-22	05-Jan-24	03-Feb-24	388		Sludge Digester No. 1-2 - Submit to GEO (26d)
S3-3350	Sludge Digester No. 1-2 - Monitoring Installation and Pumping Test	28	20-Sep-22	24-Oct-22	06-Jul-23	07-Aug-23	229	╶ <mark>┥╴┝╺╻</mark> ╺╶┥╸┥╸┥╸┥╸┿╺┝╺┝╸┥╸┥╸┥╸┝╺ <mark>╧╤┙</mark> ┥	Sludge Digester No. 1-2 - Monitoring Installation and
	I Strut Installation	84	25-Oct-22	09-Feb-23	08-Aug-23	16-Nov-23	229		
Z3S3-2110	Sludge Digester No. 1-2 - ELS Excavation (+6.0 to +4.6mPD)	20	25-Oct-22	16-Nov-22	08-Aug-23	30-Aug-23	229	<u></u> ╉╺╬╍ <mark>┇╴╬╴╬╴╬╶╬╶╬╶╬╶╬╶╬╶╬╶╬╺╬╺</mark> ╬╺ <mark>╴</mark>	Sludge Digester No. 1-2 - ELS Excavation (+6.0 to
Z3S3-2130	Sludge Digester no. 1-2 - Marine Sediments Treatment and Disposal	21	17-Nov-22	10-Dec-22	27-Sep-23	24-Oct-23	252		Sludge Digester no. 1-2 - Marine Sediments Trea
Z3S3-2140	Sludge Digester No. 1-2 - Strut Installation S1 (+4.6mPD)	12	17-Nov-22	30-Nov-22	31-Aug-23	13-Sep-23	229		Sludge Digester No. 1-2 - Strut Installation S1 (+4
Z3S3-2150	Sludge Digester No. 1-2 - ELS Excavation (+4.6 to +1.1mPD)	20	01-Dec-22	23-Dec-22	14-Sep-23	09-Oct-23	229	<b>.</b>	Sludge Digester No. 1-2 - ELS Excavation (+4.6
Z3S3-2190	Sludge Digester No. 1-2 - Strut Installation S2 (+1.1mPD)	12	24-Dec-22	10-Jan-23	10-Oct-23	24-Oct-23	229		Sludge Digester No. 1-2 - Strut Installation S2
Z3S3-2200	Sludge Digester No. 1-2 - ELS Excavation (+1.1 to -2.4mPD)	20	11-Jan-23	09-Feb-23	25-Oct-23	16-Nov-23	229		Sludge Digester No. 1-2 - ELS Excavation (-
	Digester No. 3 (Continued)	212	09-Sep-22	13-May-23	05-Sep-23	20-Jun-24	346		
•	tion and ELS Works	212	09-Sep-22	13-May-23	05-Sep-23	20-Jun-24	346		
3S3-2080	Sludge Digester No. 3 - Pre-drill (1 no. SD-PD5)	16	09-Sep-22	28-Sep-22	05-Sep-23	22-Sep-23	289	<u>↓↓↓↓↓↓↓↓↓↓↓↓↓↓</u>	Sludge Digester No. 3 - Pre-drill (1 no. SD-PD5)
IS3-2070	Sludge Digester No. 3 - Driven H-pile (45 nos @ ave.1.5no/d/rig)	30	29-Sep-22	06-Apr-23	23-Sep-23	31-Oct-23	168		Sludge Digester No. 3 - Driven H-pile (4
3S3-2120	Sludge Digester No. 3 - Sheet Piles Install (3,128m2,@90m2/d)	28	25-Oct-22	25-Nov-22	14-Oct-23	16-Nov-23	285		Sludge Digester No. 3 - Sheet Piles Install (3,128
3S3-3360	Sludge Digester No. 3 - Monitoring Installation and Pumping Test	21	26-Nov-22	20-Dec-22	03-Feb-24	05-Mar-24	349		Sludge Digester No. 3 - Monitoring Installation a
IS3-3380	Sludge Digester No. 3 - Submit to GEO (28d)	28	11-Apr-23	13-May-23	18-May-24	20-Jun-24	324		🗕 📮 Sludge Digester No. 3 - Submit to GE
je 5		441	27-Jan-23	26-Jul-24	03-Jul-23	20-Aug-24	21		
5-3350	Completion of Stage 5	0		26-Jul-24*		26-Jul-24	0		<b>\$</b> Co
je 5 : New Sludge	Thickening Building (STB) (Continued)	186	24-Jun-23	03-Feb-24	03-Jul-23	26-Jul-24	135		
ge 5 : STB Civil and		186	24-Jun-23	03-Feb-24	03-Jul-23	26-Jul-24	135	······································	
5 : STB Superstrue		141	24-Jun-23	09-Dec-23	03-Jul-23	08-Jan-24	22		
3S3-2660	STB - Structure (+6.0 to +9.0mPD) Ground Floor @ +6.0mPD at Stage 5	25	24-Jun-23	24-Jul-23	03-Jul-23	31-Jul-23	6		STB - Structure (+6,0.to +9.0m
3\$3-2700	STB - Structure (+9.0 to +12.0mPD)	30	25-Jul-23	28-Aug-23	01-Aug-23	04-Sep-23	6		STB - Strücture (+9.0 to +12
Z3S3-2710	STB - Structure (+12.0 to +15.0mPD) First Floor @ +13.5mPD	30	29-Aug-23	04-Oct-23	05-Sep-23	11-Oct-23	6	+	STB - Structure (+12.0 to
Z3S3-2740	STB - Structure (+15.0 to +18.3mPD) Roof Floor	30	05-Oct-23	09-Nov-23	12-Oct-23	16-Nov-23	6		STB - Structure (+15.0
Z3S3-2770	STB - Structure (+18.3 to +21.1mPD)	26	10-Nov-23	09-Dec-23*	17-Nov-23	16-Dec-23	6	<mark>╶</mark> ┫╌┇╴┇╴┇╴┇╴┇╴┇╴┇╴┇╴┇╴┇╴┇╴┇	STB - Structure (+18
3S3-2780	KD10 - STB Civil & Structural Works of Roof Floor	0	10110120	09-Dec-23*		08-Jan-24	22	<b></b>	<b>8</b> KD10 + STB ¢ivil & S
	ing and Reclaimed Water Building	66	24-Jun-23	09-Sep-23	22-Dec-23	11-Mar-24	145	<mark>╶<mark>┙╴╞╺</mark>╹┥╡╸╡╸╡╸╬╺╠╺┾╶┽╸╪╸╡╸╬╺╬╺╞╺╞╺╡</mark>	······································
S3-3180	Construction of Reclaimed Water Building with Underground Pipeworks at Stage 5	60	24-Jun-23	02-Sep-23	22-Dec-23	11-Mar-24	151	<mark>┥</mark> ╌╞╌ <mark>╸╴╡╴╡╴╡╴╪╶╞╶┝╴┥╴╡╴╡╴┽╴┼╸╞╶╞╶╡</mark>	
3S3-3170		60			22-Dec-23	11-Mar-24	145	<b></b>	Construction of Reclaimed V
	Sludge Thickening Chemical System Building at Stage 5	45	03-Jul-23	09-Sep-23				<b></b>	Sludge Thickening Chemica
5 : STB ABWF and		-	11-Dec-23	03-Feb-24	03-Jun-24	26-Jul-24	135	<b>_</b>	
3S3-2790	STB - BS and ABWF Works at Stage 5	45	11-Dec-23	03-Feb-24	03-Jun-24	26-Jul-24	135	<b></b>	STB:-BS and AE
ge 5 : STB E&M Ins		119	11-Sep-23	02-Feb-24	12-Mar-24	26-Jul-24	136	<b>_</b>	
3\$3-2720	STB - Reclaimed Water System and Associated Pipeworks at Stage 5	110	11-Sep-23	23-Jan-24	12-Mar-24	26-Jul-24	145	<b>╶</b> ╋╺╞ <mark>╸</mark> ┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸	\$TB - Reclaimed
3S3-2730	STB - Sludge Thickening Chemical Dosing System and Associated Pipeworks at Stage 5	110	11-Sep-23	23-Jan-24	12-Mar-24	26-Jul-24	145		STB - Sludge Thit
3S3-2800	STB - Deodourization System at Stage 5	44	11-Dec-23	02-Feb-24	04-Jun-24	26-Jul-24	136		STB - Deodouriz
3S3-2810	STB - Sludge Thickening, Transferring and Pumping System and Associated Pipeworks at Stage 5	44	11-Dec-23	02-Feb-24	04-Jun-24	26-Jul-24	136		STB - Sludge Th
3S3-2799	STB - E&M Handover	0	11-Dec-23		04-Jun-24		136		STB - E&M Haridove
3S3-2815	STB - Installation and Set-Up for SCADA System	14	18-Jan-24	02-Feb-24	11-Jul-24	26-Jul-24	136	····	
• •	for Construction (Continued)	102	12-Oct-23	19-Feb-24	12-Oct-23	26-Jul-24	128		
age 5 : Utility Corride		102	12-Oct-23	19-Feb-24	12-Oct-23	26-Jul-24	128		
	lation and ELS Works	102	12-Oct-23	19-Feb-24	12-Oct-23	26-Jul-24	128		
Z3S5UC1-2000	UC/PP 1 - Sheetpile Installation (2,674m2 @90m2/d)	15	12-Oct-23	30-Oct-23	12-Oct-23	30-Oct-23	0		UC/PP 1 - Sheetpile Ins
Z3S5UC1-2160	UC/PP 1 - Monitoring Installation and Pumping Test	21	24-Oct-23	16-Nov-23	24-Oct-23	16-Nov-23	0		UC/PP 1; - Monitoring 1;
Z3S5UC1-2140	UC/PP 1 - Sheetpile Installation (2,674m2 @90m2/d)	15	31-Oct-23	16-Nov-23	31-Oct-23	16-Nov-23	0		UC/PP 1 - Sheetpile In
3S5UC1-2010	UC/PP 1 - ELS, Excavation (+6.0 to +4.0mPD)	18	17-Nov-23	07-Dec-23	17-Nov-23	07-Dec-23	0		UC/PP 1 - ELS, Exca
3S5UC1-2080	UC/PP 1 - Marine Sediments Treatment and Disposal	30	08-Dec-23	15-Jan-24	21-Jun-24	26-Jul-24	152		UC/PP 1 - Marine
S5UC1-2020	UC/PP 1 - ELS, Strut Installation S1 (+4.0mPD)	12	08-Dec-23	21-Dec-23	22-Dec-23	08-Jan-24	12		UC/PP1-ELS, Str
3S5UC1-2030	UC/PP 1 - ELS, Excavation (+4.0 to +1.5mPD)	18	08-Dec-23	30-Dec-23	08-Dec-23	30-Dec-23	0		UC/PP1+EL\$, Ex
3S5UC1-2040	UC/PP 1 - ELS, Strut Installation S2 (+1.5mPD)	12	02-Jan-24	15-Jan-24	09-Jan-24	22-Jan-24	6		UC/PP 1 - ELS, S
3S5UC1-2050	UC/PP 1 - ELS, Excavation (+1.5 to -1.0mPD)	18	02-Jan-24	22-Jan-24	02-Jan-24	22-Jan-24	0		📕 ÚC/PP 1 - ELS, E
3S5UC1-2060	UC/PP 1 - ELS, Strut Installation S3 (-1.0mPD)	12	23-Jan-24	05-Feb-24	23-Jan-24	05-Feb-24	0		UC/PP 1 - ELS,
3S5UC1-2070	UC/PP 1 - ELS, Excavation (-1.0 to -3.75mPD)	18	23-Jan-24	19-Feb-24	23-Jan-24	19-Feb-24	0		UC/PP 1 - ELS
ge 5 : Pipe Portal I	No. 1	114	20-Feb-24	10-Jul-24	20-Feb-24	10-Jul-24	0		
S5-2010	PP 1 - Structure (-6.25 to -5.0mPD, Base Slab)	16	20-Feb-24	08-Mar-24	20-Feb-24	08-Mar-24	0		PP 1 - Struct
S5-2020	PP 1 - Structure (-5.0 to -2.0mPD) including Backfill	15	09-Mar-24	26-Mar-24	09-Mar-24	26-Mar-24	0		PP 1:- Struc
\$5-2030	PP 1 - Structure (-2.0 to +1.0mPD) including Backfill	16	27-Mar-24	18-Apr-24	27-Mar-24	18-Apr-24	0	<b>-</b>	PP:1 - Str
S5-2040	PP 1 - Structure (+1.0 to +4.0mPD) including Backfill	15	19-Apr-24	07-May-24	19-Apr-24	07-May-24	0		PP 1 -S
S5-2050	PP 1 - Structure (+4.0 to +7.0mPD), including Backfill, Ground Floor @ +6.0mPD	16	08-May-24	27-May-24	08-May-24	27-May-24	0	<b>┼</b> ┝ <mark>┥</mark> ╌┩╌┩╌╡╌╡╌╡╌╡╌╡╌╡╴╡╴╡╴╡	
S5-2060	PP 1 - Structure (+7.0 to 10.5 mPD), First Floor @ +9.7mPD	12	28-May-24	11-Jun-24	28-May-24	11-Jun-24	0		 ₽ ₽₽ 1
S5-2070	PP 1 - Structure (+10.5 to 14.0 mPD)	12	12-Jun-24	25-Jun-24	12-Jun-24	25-Jun-24	0	<b></b>	PP 1
S5-2070	PP 1 - Structure (+14.0 to 17.65 mPD), Second Floor @ +9.7mPD	12	26-Jun-24	10-Jul-24	26-Jun-24	10-Jul-24	0	╈╋╗╗╗	PP
	Digester No. 1 and 2 (Continued)	162	20-Jun-24 27-Jan-23	12-Aug-23	08-Jan-24	20-Aug-24	300		
S3-3020	Sludge Digester no. 1-2 - Marine Sediments Treatment and Disposal	39	27-Jan-23	13-Mar-23	06-Jul-24	20-Aug-24	423	<b></b>	Sludge Digester no. 1-2 - Marine Sedime
age 5 : Civil and Stru		150	10-Feb-23	12-Aug-23	08-Jan-24	16-Jul-24	270	<b>┼┼╌┼┼┼┼┼┼┼┼┼┼</b> ┤	╶┽╌┾╌┾╶┾╴┿╴┿╴┿╌┿╌┿╌┽╌┿╌┝╴┝╶┥╴┥╴┿╴┝╺┝╶┝
5 : SD 1,2 Foundat		24	10-Feb-23	09-Mar-23	08-Jan-24	03-Feb-24	270		
Z3S3-2210	Sludge Digester No. 1-2 - Strut Installation S3 (-2.4mPD)	7	10-Feb-23	17-Feb-23	19-Jan-24	26-Jan-24	280		Sludge Digester No. 1-2 - Strut Installation S
7000 0000	Sludge Digester No. 1-2 - ELS Excavation (-2.4 to -5.9mPD)	12	10-Feb-23	23-Feb-23	08-Jan-24	20-Jan-24	270	1:1:1:1:1:1:1:1	Sludge Digester No. 1-2 - ELS Excavation
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Z3S3-2220 Z3S3-2230 Z3S3-2240	Sludge Digester No. 1-2 - Strut Installation S4 (-5.9mPD) Sludge Digester No. 1-2 - ELS Excavation (-5.9to -8.9mPD)	7	24-Feb-23 24-Feb-23	03-Mar-23 09-Mar-23	27-Jan-24 22-Jan-24	03-Feb-24 03-Feb-24	275 270		Sludge Digester No. 1-2 - Strut Installation Sludge Digester No. 1-2 - ELS Excavation



## Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme

Project ID : DWP.DPr6\_210930 Layout : DC201910 DWP rev. Page 23 of 27

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	Activity Name	Orig Dur E	Early Start	Early Finish	Late Start	Late Finish	23	Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1         Q2         Q3         Q4         Q1<	13 Q4 8 8 8 8
5 : Substructure		74 10	0-Mar-23	10-Jun-23	05-Feb-24	13-May-24	270		
3S3-2270	Sludge Digester No. 1-2 - Structure (-8.9 to -6.8mPD) Base Slab	18 10	0-Mar-23	30-Mar-23	05-Feb-24	02-Mar-24	270	📕 Sludge: Digester No. 1-2 - Structure (-8.9; to -6.8mPD) Base Slab	
3S3-2350	Sludge Digester No. 1-2 - Structure (-6.8 to -3.8mPD)		1-Mar-23	20-Apr-23	04-Mar-24	19-Mar-24	270	<ul> <li>Sludge Digester No: 1-2 - Structure (-6:8 to -3:8mPD)</li> <li>Sludge Digester No: 1-2 - Structure (-3:8 to -0.8mPD)</li> </ul>	
IS3-2390	Sludge Digester No. 1-2 - Structure (-3.8 to -0.8mPD)		1-Apr-23	08-May-23	20-Mar-24	09-Apr-24	270	P_Sludge Digester No. 1-2 - Structure (-3.8 to -0.8mPD)	
S3-2440	Sludge Digester No. 1-2 - Structure (-0.8 to 2.2mPD)		9-May-23	24-May-23	10-Apr-24	25-Apr-24	270	<ul> <li>Sludge Digester No. 1/2I- Structure (-0.8 to 2.2mPD);</li> <li>Sludge Digester No. 1/2 - Structure (-2.2 to +5.2mPD);</li> </ul>	
S3-2470	Sludge Digester No. 1-2 - Structure (+2.2 to +5.2mPD)		5-May-23	10-Jun-23	26-Apr-24	13-May-24	270	Sludge Digester No. 1-2 - Structure (+2.2 to +5.2mPD)	
: Superstructure			2-Jun-23	12-Aug-23	14-May-24	16-Jul-24	270		
S3-2520	Sludge Digester No. 1-2 - Structure (+5.2 to +8.2mPD)		2-Jun-23	04-Jul-23	14-May-24	04-Jun-24	270	Sludge Digester/No. 1-2 - Structure (+5.2 to +8;2mPD)	
S3-2550	Sludge Digester No. 1-2 - Structure (+8.2 to +11.2mPD)		)5-Jul-23	24-Jul-23	05-Jun-24	25-Jun-24	270	<ul> <li>Sludge Digester No. 1-2: Structure (+8.2 to +11:2mPD)</li> <li>Sludge Digester No. 1-2: Structure (+11.2 to +14.2mPD)</li> </ul>	
S3-2580	Sludge Digester No. 1-2 - Structure (+11.2 to +14.2mPD)		25-Jul-23	12-Aug-23	26-Jun-24	16-Jul-24	270		
	Digester No. 3 (Continued)	115 11	1-Apr-23	26-Aug-23	06-Mar-24	26-Jul-24	267		
e 5 : Excavation and			1-Apr-23	22-Jul-23	06-Mar-24	20-Jun-24	267		4-4-4
3-2280	Sludge Digester No. 3 - ELS Excavation (+6.0 to +4.6mPD)		1-Apr-23	27-Apr-23	06-Mar-24	22-Mar-24	267	<ul> <li>         Sludge Digester No. 3 - ELS Excavation (+6.0 to +4.6mPD);         Sludge Digester no. 3 - Marine Sediments Treatment and Disposal         Sludge Digester No. 3 - Strut Installation S1 (+4.6mPD);     </li> </ul>	
3-2300	Sludge Digester no. 3 - Marine Sediments Treatment and Disposal		8-Apr-23	17-Jun-23	30-Apr-24	20-Jun-24	295	Sludge Digester no. 3 - Marine Sediments Treatment and Disposal	4-4-4
3-2310	Sludge Digester No. 3 - Strut Installation S1 (+4.6mPD)		8-Apr-23	06-May-23	18-May-24	25-May-24	309	- 🕴 Sludge Digester No. 3 - Strut Installation S1 (+4.6mPD)	
3-2320	Sludge Digester No. 3 - ELS Excavation (+4.6 to +1.1mPD)		8-Apr-23	16-May-23	23-Mar-24	13-Apr-24	267	🖕 🕂 🖓 🕂 📥 📕 Sludge Digester No. 3 - ELS Excavation (+4.6 to +1.1 mPD)	
3-2330	Sludge Digester No. 3 - Strut Installation S2 (+1.1mPD)	7 17	7-May-23	24-May-23	27-May-24	03-Jun-24	301	= Sludge Digester No. 3 - Strut: Installation S2 (∔11 mPD)	<u></u>
3-2340	Sludge Digester No. 3 - ELS Excavation (+1.1 to -2.4mPD)	15 17	7-May-23	03-Jun-23	15-Apr-24	02-May-24	267	l = − Sludge Digester No. 3 ELS Excavation (+1.1 to -2.4mPD)	
3-2370	Sludge Digester No. 3 - Strut Installation S3 (-2.4mPD)		5-Jun-23	12-Jun-23	04-Jun-24	12-Jun-24	293	+ <sup>1</sup> Sludge Digester No.∖3 - Strut Installation \$3(-2.4mPD)	111
3-2380	Sludge Digester No. 3 - ELS Excavation (-2.4 to -5.9mPD)	20 05	5-Jun-23	28-Jun-23	03-May-24	27-May-24	267	🗕 📕 Sludge Digester No. 3 - IELS Excavation (-2.4 to -5.9mPD)	
3-2400	Sludge Digester No. 3 - Strut Installation S4 (-5.9mPD)	7 29	9-Jun-23	07-Jul-23	13-Jun-24	20-Jun-24	280	→      Sludge Digester No. 3 - ELS Excavation (-2.4 to -5.9mPD)     -      Sludge Digester No. 3 - Strut Installation S4 (-5.9mPD)     -      Sludge Digester No. 3 - ELS Excavation (-5.9to -8.9mPD)	
3-2410	Sludge Digester No. 3 - ELS Excavation (-5.9to -8.9mPD)	20 29	9-Jun-23	22-Jul-23	28-May-24	20-Jun-24	267	🛶 📕 Sludge Digester No: 3 - ELS Excavation (-5.9to /8.9mPD):	
e 5 : SD 3 Civil and	d Structural Works	30 24	24-Jul-23	26-Aug-23	21-Jun-24	26-Jul-24	267		
SD 3 Substructu	ure	30 24	24-Jul-23	26-Aug-23	21-Jun-24	26-Jul-24	267		
63-2430	Sludge Digester No. 3 - Structure (-8.9 to -6.8mPD) Base Slab	15 24	24-Jul-23	09-Aug-23	21-Jun-24	09-Jul-24	267		101
63-2460	Sludge Digester No. 3 - Structure (-6.8 to -3.8mPD)	15 10	0-Aug-23	26-Aug-23	10-Jul-24	26-Jul-24	267	i≔i∎: Slýdge:Dígester No. 3 - Structure:(-6.8 to -3.8mPD)	
6		423 14	4-Aug-23	17-Jan-25	20-Feb-24	17-Jan-25	0	Completion of Stage 6	111
3360	Completion of Stage 6	0		17-Jan-25*		17-Jan-25	0	Completion of Stage 6	1-1-1
	Thickening Building (STB) (Continued)		4-Jan-24	06-Jun-24	06-Sep-24	17-Jan-25	185		111
e 6 : STB ABW F and			5-Feb-24	01-Jun-24	25-Sep-24	13-Jan-25	185		·
3-3210	STB - BS and ABWF Works at Stage 6		5-Feb-24	01-Jun-24	25-Sep-24	13-Jan-25	185	STB-BS and ABWF:Works at Stage 16	+-+-+
6 : STB E&M Insta			4-Jan-24	06-Jun-24	06-Sep-24	17-Jan-25	185	STBi- BSiand ABWFiWorksiat Stage 6	
3-2850	STB - Electrical works (Cable wiring, termination) at Stage 6		4-Jan-24	21-May-24	30-Sep-24	17-Jan-25	199	STB + Electrical works (Cable: wiring, termination) at Stage:6:	·
3-2860	STB - BS Installation (ELV, Ventilation, FS, PD) at Stage 6		4-Jan-24	21-May-24	12-Sep-24	31-Dec-24	185		++++
3-3150	STB - Reclaimed Water System and Associated Pipeworks at Stage 6		4-Jan-24	21-May-24	12-Sep-24	31-Dec-24	185	STB - BS Installation (ELV, Ventilation, FS, PD) at Stage 6	
3-3160	STB - Sludge Thickening Chemical Dosing System and Associated Pipeworks at Stage 6		4-Jan-24	21-May-24	12-Sep-24	31-Dec-24	185	STB - Recarited Water System and Associated Pipeworks at Stage 6	· {- {- }-
3-3190	STB - Deodourization System at Stage 6		3-Feb-24	31-May-24	30-Sep-24	17-Jan-25	190	s in subge inickering Chemical Losing System and Associated Pipeworks at Stage 6	·
					· ·	23-Dec-24	171	5 BB- Decodurization System at Stage 6	
3-3200 3-3410	STB - Sludge Thickening, Transferring and Pumping System and Associated Pipeworks at Stage 6		3-Feb-24 2-May-24	31-May-24	06-Sep-24	23-Dec-24 17-Jan-25	185	5 IB / Studge Intokening, Intensieming and Pumping System and Assocated Pipeworks at STR: Installation and Set I is for SCADA System and Assocated Pipeworks at STR: Installation and Set I is for SCADA Systems.	it Stage
	STB - Installation and Set-Up for SCADA System			06-Jun-24	02-Jan-25			STB - Deedoburization g unerteal busing System and Associated Pipeworks at Stage 6 STB - Deedoburization System at Stage 6 STB - Studge Thickening, Transferring and Pumping System and Associated Pipeworks at G STB - Installation and Set-Up for SCADA System	· · · · · · ·
6 : Utility Corrido			0-Feb-24 0-Feb-24	22-Jul-24	20-Feb-24	17-Jan-25	148		
5UC1-2090	and Structural Works UC/PP 1 - Structure (-3.75 to -2.20mPD, Base Slab)		0-Feb-24 0-Feb-24	22-Jul-24 27-Mar-24	20-Feb-24 20-Feb-24	22-Jul-24 27-Mar-24	0	UC/PP 1 - Structure (-3.75 to -2.20mPD, Base Slab)	· · · · · ·
5UC1-2100	UC/PP 1 - Structure (-2.20 to +1.0mPD)		8-Mar-24	09-May-24	28-Mar-24	09-May-24	0	UC/PP it - Structure (3.75 to -2.20mPD, Base Slab)	·
5UC1-2110	UC/PP 1 - Structure (+1.0 to +4.2mPD) including Backfill		0-May-24	18-Jun-24	10-May-24	18-Jun-24	0	UC/PP 1 - Structure (-2;20 to +1.0mPD); UC/PP 1 - Structure (+1.0 to +4;2mPD) including Backfill	···
5UC1-2150	UC/PP 1 - BS Works		0-May-24	22-Jul-24	10-May-24	22-Jul-24	0	UC/PP 1 - Structure (+1.0 to +4.2 MPD) including Backlin	·
e 6 : UC/PP 1 E&M I			0-May-24	22-Jul-24	10-May-24	17-Jan-25	148		·
5UC1-2120	UC/PP 1 - E&M Installation and Pipeworks		0-May-24	22-Jul-24	10-May-24	22-Jul-24	0	UC/PP 1 -: E&M Installation and Pipeworks	· † - † - †
5UC1-2119	UC/PP 1 - E&M Handover		0-May-24	22-001-24	10-May-24	22-001-24	0		++++
5UC1-2125	UC/PP 1 - Installation and Set-Up for SCADA System		6-Jul-24	22-Jul-24	02-Jan-25	17-Jan-25	148	UC/PF 1 - E&M Handover     UC/PF 1 - Installation and Set Up for SCADA System     UC/PF 1 - Installation and Set Up for SCADA System	· { - { - }
			11-Jul-24	31-Dec-24	11-Jul-24	31-Dec-24	0	• • • • • • • • • • • • • • • • • • • •	·
6 : Pipe Portal No									
PP2-2000	PP 2 - Structure (-6.25 to -5.0mPD, Base Slab) PP 2 - Structure (-6.25 to -5.0mPD, Base Slab)		1 Jul-24	31-Jul-24	11-Jul-24	31-Jul-24	0	PP 2 - Structure (-6.25 to :5.0mPD, Base Slab)	·
PP2-2010	PP 2 - Structure (-5.0 to -2.0mPD) including Backfill PB 2 - Structure (-2.0 to -1.0mPD) including Backfill		1-Aug-24	21-Aug-24	01-Aug-24	21-Aug-24	0	PP/2- Structure (-510 to -210mPD) including Backfill	·
PP2-2020	PP 2 - Structure (-2.0 to +1.0mPD) including Backfill		2-Aug-24	11-Sep-24	22-Aug-24	11-Sep-24	0	PP 2 -Structure (-2.0 to +1.0mPD) including Backfil	
PP2-2030	PP 2 - Structure (+1.0 to +4.0mPD) including Backfill PP 2 - Structure (+1.0 to +4.0mPD) including Backfill SEL @ +6.0mPD		2-Sep-24	04-Oct-24	12-Sep-24	04-Oct-24	0	PP 2 - Structure (+1.0 the +4.0th PD); including Backfill	
PP2-2040	PP 2 - Structure (+4.0 to +7.0mPD), including Backfill SFL @ +6.0mPD		5-Oct-24	26-Oct-24	05-Oct-24	26-Oct-24	0	PP 2- Structure (+4.0 to +7.0mPD), including Backfill SFL @ +6.0mPD	·
PP2-2050	PP 2 - Structure (+7.0 to 10.5 mPD)		8-Oct-24	16-Nov-24	28-Oct-24	16-Nov-24	0	PP 2 + Structure (+7:0 tto: 10.5 mPD)	
PP2-2060	PP 2 - Structure (+10.5 to 14.0 mPD)		8-Nov-24	07-Dec-24	18-Nov-24	07-Dec-24	0	PP 2 - Structure' (+10.5 to 14.0 mPD)	·
PP2-2070	PP 2 - Structure (+14.0 to 17.65 mPD)		9-Dec-24	31-Dec-24	09-Dec-24	31-Dec-24	0	PP 2 - Structure (+14.0 to; 17.65 mPD)	4-4
	Digester No. 1 and 2 (Continued)		4-Aug-23	27-Dec-23	17-Jul-24	17-Jan-25	311		
6:SD1,2 Superst			4-Aug-23	25-Oct-23	17-Jul-24	25-Sep-24	270	<u>▋</u> 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
3-2620	Sludge Digester No. 1-2 - Structure (+14.2 to +16.83mPD)		4-Aug-23	16-Sep-23	17-Jul-24	20-Aug-24	270	.Iudge Digester No. 1+2 - Structure (∔14.2 to ∔16.83mPD)	444
3-2640	Sludge Digester No. 1-2 - Structure (+16.83 to +18.3mPD)		8-Sep-23	25-Oct-23	21-Aug-24	25-Sep-24	270	Sludge Digester No. 1-2 - Structure (+16;83 to +18.3mPD)	
e 6 : SD 1,2 E&M Ins			6-Oct-23	27-Dec-23	26-Sep-24	17-Jan-25	311	<u>↓</u> · · · · · · · · · · · · · · · · · · ·	444
3-2670	SDT No.1&2 - Tank Internal Pipework and Jet Nozzle Installation at Stage 6		6-Oct-23	27-Dec-23	26-Sep-24	27-Nov-24	270	SDT Nó. 182 - Tahk I ritemál Pipework and Jet Nozde Iństallation at Stage 6	4.4.4
3-2680	SDT No.1&2 - Pumps and Heat Exchanger Installation at Stage 6		6-Oct-23	27-Dec-23	26-Sep-24	27-Nov-24	270	SDT No. 182 - Pumps and Heat Exchanger Installation at Stage 6	
3-2690	SDT No.1&2 - Tank Associated Pipework at Stage 6		6-Oct-23	27-Dec-23	26-Sep-24	27-Nov-24	270	SDT No. 18.2 - Tank, Associated; Pipework at Stage 6;	4.4.4
3-2669	SDT No.1&2 - E&M Handover		6-Oct-23		26-Sep-24		270	SDT No. 1&2 - E&M Handover ⊡ SDT No. 1&2 - Installation and Set-Up for SCADA System	444
3-2675	SDT No.1&2 - Installation and Set-Up for SCADA System		9-Dec-23	27-Dec-23	02-Jan-25	17-Jan-25	311	L 5U1 No.182 - Installation and Set-Up for SCAUA System	4.4.4
6 : New Sludge D	Digester No. 3 (Continued)	87 28	8-Aug-23	09-Dec-23	04-Oct-24	17-Jan-25	324		
e 6 : SD 3 Civil and	d Structural Works	87 28	8-Aug-23	09-Dec-23	04-Oct-24	17-Jan-25	324		
SD 3 Substructu	ure	45 28	8-Aug-23	20-Oct-23	04-Oct-24	26-Nov-24	324		
63-2480	Sludge Digester No. 3 - Structure (-3.8 to -0.8mPD)	15 28	8-Aug-23	13-Sep-23	04-Oct-24	22-Oct-24	324	⇒ 📮 Sjudge Digester No.3 - Structure (-3.8 to -0,8mPD);	
33-2490	Sludge Digester No. 3 - Structure (-0.8 to 2.2mPD)	15 14	4-Sep-23	03-Oct-23	23-Oct-24	08-Nov-24	324	⇒ Sludge: Digester:No. 3 - Structure: (-0.8 to 2.2mPD)	
00.0500	Sludge Digester No. 3 - Structure (+2.2 to +5.2mPD)	15 04	4-Oct-23	20-Oct-23	09-Nov-24	26-Nov-24	324	⇒ ■ Sludge Digester No: 3 - Structure (+2.2 to +5.2mPD)	111
53-2530							L = 1	-#	1-
S3-2530 : SD 3 Superstruct	cture	42 2	1-Oct-23	09-Dec-23	27-Nov-24	17-Jan-25	324		1.1



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	[	Detailed Works Pr	ogramme	
	Date	Revision	Checked	Approved
v.6	30-Sep-21	Rev. 6		
	31-Aug-21	Rev. 5		
	31-Jul-21	Rev. 4		

	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	23 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 C4 1 Q2 Q3 C 1 1 1 1 1 1 1 1 1 7 1 1 2 2 2 2 2 2 2 2	IA         Q1         Q2         Q3           3         3         3         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4
Z3S3-2540	Sludge Digester No. 3 - Structure (+5.2 to +8.2mPD)	8	21-Oct-23	31-Oct-23	27-Nov-24	05-Dec-24	324		Sludge Digester No. 3 - S
Z3S3-2560	Sludge Digester No. 3 - Structure (+8.2 to +11.2mPD)	8	01-Nov-23	09-Nov-23	06-Dec-24	14-Dec-24	324		Sludge Digester No. 3 - 9
3S3-2570	Sludge Digester No. 3 - Structure (+11.2 to +14.2mPD)	8	10-Nov-23	18-Nov-23	16-Dec-24	24-Dec-24	324		Sludge Digester No. 3 -
3S3-2590	Sludge Digester No. 3 - Structure (+14.2 to +16.83mPD)	8	20-Nov-23	28-Nov-23	27-Dec-24	06-Jan-25	324		Sludge Digester No. 3
3S3-2610	Sludge Digester No. 3 - Structure (+16.83 to +18.3mPD)	10	29-Nov-23	09-Dec-23	07-Jan-25	17-Jan-25	324		Studge Digester No. 3
ge 7		506	28-Dec-23	08-Aug-25	23-Jul-24	11-May-26	236		
7-3370	Completion of Stage 7	0		08-Aug-25*		08-Aug-25	0		
	je Thickening Building (STB) (Continued)	197	22-May-24	06-Jan-25	24-Dec-24	08-Aug-25	184		
age 7 : STB ABW F		165	03-Jun-24	17-Dec-24	14-Jan-25	08-Aug-25	185		
3S3-3090	STB - BS and ABWF Works at Stage 7	165	03-Jun-24	17-Dec-24	14-Jan-25	08-Aug-25	185		
age 7 : STB E&M Ir		95	22-May-24	11-Sep-24	24-Dec-24	19-Jun-25	223		····
2383-3220	STB - Electrical works (Cable wiring, termination) at Stage 7	56	22-May-24	27-Jul-24	09-Apr-25	19-Jun-25	262		
2383-3230	STB - BS Installation (ELV, Ventilation, FS, PD) at Stage 7	56	22-May-24	27-Jul-24	09-Apr-25	19-Jun-25	262		STE
23S3-3240	STB - Reclaimed Water System and Associated Pipeworks at Stage 7	40	22-May-24	09-Jul-24	02-Jan-25	22-Feb-25	185	····	STB
2383-3250	STB - Sludge Thickening Chemical Dosing System and Associated Pipeworks at Stage 7	40	22-May-24	09-Jul-24	02-Jan-25	22-Feb-25	185	· · · · · · · · · · · · · · · · · · ·	STB STB
3S3-3260	STB - Deodourization System at Stage 7	86	01-Jun-24	11-Sep-24	04-Mar-25	19-Jun-25	223	····	╶┊╴┊╴┆╴┆╴┆╴╡╴┙
3\$3-3270	STB - Sludge Thickening, Transferring and Pumping System and Associated Pipeworks at Stage 7	86	01-Jun-24	11-Sep-24	24-Dec-24	12-Apr-25	171		
3S3-3275	STB - Installation and Set-Up for SCADA System	14	27-Aug-24	11-Sep-24	04-Jun-25	19-Jun-25	223		
-	g & Commissioning	155	10-Jul-24	06-Jan-25	24-Feb-25	08-Aug-25	184	····	·⊹·⊹·¦·¦·¦·¦·¦·¦·¦·
3S3-2910	STB - T&C - Equipment SAT (Dry Test)	39	10-Jul-24	23-Aug-24	24-Feb-25	10-Apr-25	185		s
353-2920	STB - T&C - Equipment SAT (Functional Test)	48	24-Aug-24	22-Oct-24	11-Apr-25	12-Jun-25	185	└╘ <mark>╴╸</mark> ╸╡╴╡╸╡╸╡╸╡╸╡╸╡╸╡╸╡╸╡╸╡╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸╡╸╡╸╡	··┼·└┼·└┼·┤-┤-┤-╎-╎-╎-╎-╎-╎-
353-2940	STB - T&C - Sludge Thickening Building & Chemical System - System Commissioning (60,000 m3/d) (KD4)	94	12-Sep-24	06-Jan-25	14-Apr-25	08-Aug-25	171	┝╺ <mark>╞╺╻</mark> ╺╶╡╸╡╸┥╸┥╴┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸┥╸	·┼·┼·┼·┼·┼·┼·┼·┼
3S3-2960	STB - T&C - Equipment SAT (Wet Test)	6	23-Oct-24	29-Oct-24	13-Jun-25	19-Jun-25	185		
3S3-2970	STB - FS Inspection and Fire Certificate	42	15-Nov-24	06-Jan-25	20-Jun-25	08-Aug-25	171		
3S3-2980	Achieve 60,000m3/d flowrate (KD4, 5-Feb-26)	0		06-Jan-25		08-Aug-25	214		
ge 7 : UC/PP Cor		30	23-Jul-24	26-Aug-24	23-Jul-24	26-Aug-24	0	····	· · · · · · · · · · · · · · · · · · ·
S7-2000	Permanent Sludge Pipe Connection from Sludge Thickening Building and Pipe Portal No. 1	30	23-Jul-24	26-Aug-24	23-Jul-24	26-Aug-24	0		פי <mark>שיי</mark> פי בייגיין בייגיין די שייין די בייגיין
S7-2010	Temporary Sludge Pipe Connection into UU Corridor	30	23-Jul-24	26-Aug-24	23-Jul-24	26-Aug-24	0		Te
S7-2020	Temporary Sludge, Gas and Heating Water Pipe Connection into UU Corridor	30	23-Jul-24	26-Aug-24	23-Jul-24	26-Aug-24	0	····	
ige 7 : Pipe Porta		110	02-Jan-25	22-May-25	02-Jan-25	22-May-25	0		
S8PP3-2000	PP 3 - Structure (-6.25 to -5.0mPD, Base Slab)	16	02-Jan-25	20-Jan-25	02-Jan-25	20-Jan-25	0	····	
S8PP3-2010	PP 3 - Structure (-5.0 to -2.0mPD) including Backfill	15	21-Jan-25	12-Feb-25	21-Jan-25	12-Feb-25	0		
S8PP3-2020	PP 3 - Structure (-2.0 to +1.0mPD) including Backfill	16	13-Feb-25	03-Mar-25	13-Feb-25	03-Mar-25	0		
S8PP3-2030	PP 3 - Structure (+1.0 to +4.0mPD) including Backfill	15	04-Mar-25	20-Mar-25	04-Mar-25	20-Mar-25	0	· · · · · · · · · · · · · · · · · · ·	
3S8PP3-2040	PP 3 - Structure (+4.0 to +7.0mPD), including Backfill SFL@ +6.0mPD	15	21-Mar-25	08-Apr-25	21-Mar-25	08-Apr-25	0		
S8PP3-2050	PP 3 - Structure (+7.0 to 10.5 mPD)	11	09-Apr-25	24-Apr-25	09-Apr-25	24-Apr-25	0	····	
S8PP3-2060	PP 3 - Structure (+10.5 to 14.0 mPD)	11	25-Apr-25	09-May-25	25-Apr-25	09-May-25	0		
S8PP3-2070	PP 3 - Structure (+14.0 to 17.65 mPD)	11	10-May-25	22-May-25	10-May-25	22-May-25	0		
	je Digester Nos. 1 and 2 (Continued)	202	28-Dec-23	05-Sep-24	28-Nov-24	08-Aug-25	270		
age 7 : E&M Install		68	28-Dec-23	23-Mar-24	28-Nov-24	24-Feb-25	270		
3S3-3280	SDT No.1&2 - Tank Internal Pipework and Jet Nozzle Installation at Stage 7	46	28-Dec-23	27-Feb-24	28-Nov-24	23-Jan-25	270		SDT No.182 - Ta
3S3-3290	SDT No.1&2 - Pumps and Heat Exchanger Installation at Stage 7	46	28-Dec-23	27-Feb-24	28-Nov-24	23-Jan-25	270	· · · · · · · · · · · · · · · · · · ·	SDT No. 1&2 - P
3\$3-3300	SDT No.1&2 - Tank Associated Pipework at Stage 7	46	28-Dec-23	27-Feb-24	28-Nov-24	23-Jan-25	270	····	SDT No.182 - T
3S3-2750	SDT No.1&2 - Instrumentation	22	28-Feb-24	23-Mar-24	24-Jan-25	24-Feb-25	270		P SDT No.1&2
3S3-2760	SDT No.1&2 - Electrical works (Cable wiring, termination, lightning arrestor system)	22	28-Feb-24	23-Mar-24	24-Jan-25	24-Feb-25	270		L⊒ SDT No.1&2 -
3S3-3420	SDT No.1&2 - Installation and Set-Up for SCADA System	14	08-Mar-24	23-Mar-24	08-Feb-25	24-Feb-25	270	····	
age 7 : Testing & C		134	25-Mar-24	05-Sep-24	25-Feb-25	08-Aug-25	270	· · · · · · · · · · · · · · · · · · ·	
7 : Equipment S		44	25-Mar-24	21-May-24	25-Feb-25	17-Apr-25	270		····
Z3S3-2820	SDT No.1&2 - T&C - Equipment SAT (Dry Test)	44	25-Mar-24	21-May-24	25-Feb-25	17-Apr-25	270	· · · · · · · · · · · · · · · · · · ·	SDT No.1
23S3-2830	SDT No.1&2 - T&C - Equipment SAT (Functional Test)	43	25-Mar-24	20-May-24	26-Feb-25	17-Apr-25	271		SDT No.1
3\$3-2840	SDT No.1&2 - T&C - Equipment SAT (Wet Test)	44	25-Mar-24	21-May-24	25-Feb-25	17-Apr-25	270		SDT No.1
7 : Process Start		90	22-May-24	05-Sep-24	22-Apr-25	08-Aug-25	270		
23S3-2870	SDT No.1&2 - T&C - Purging of tank and pipeworks at Stage 7	90	22-May-24	05-Sep-24	22-Apr-25	08-Aug-25	270		
23S3-2880	SDT No.1&2 - T&C - Seeding at Stage 7	90	22-May-24	05-Sep-24	22-Apr-25	08-Aug-25	270		
23S3-2890	SDT No.1&2 - T&C - Sludge Mixing and Digestion at Stage 7	90	22-May-24	05-Sep-24	22-Apr-25	08-Aug-25	270		
ge 7 : Demolition		45	27-Aug-24	21-Oct-24	27-Aug-24	21-Oct-24	0		
S7-2030	Demolish Existing SDT 2 & 4 (9)	45	27-Aug-24	21-Oct-24	27-Aug-24	21-Oct-24	0		
57-2040	Demolish Existing SDT 1 & 3 (9)	45	27-Aug-24	21-Oct-24	27-Aug-24	21-Oct-24	0		
ge 7: New Sludg	e Digester No. 4	298	27-Aug-24	08-Aug-25	03-Jan-25	05-Sep-25	24		
age 7 : SD 4 Found	lation and ELS Works	298	27-Aug-24	08-Aug-25	03-Jan-25	05-Sep-25	24		
3S8SD-2000	Sludge Digester No. 4 - Pre-drill (1 no. SD-PD6)	14	27-Aug-24	11-Sep-24	03-Jan-25	18-Jan-25	105		
3S8SD-2020	Sludge Digester No. 4 - Pre-drill (1 no. SD-PD7)	14	22-Oct-24	06-Nov-24	06-Mar-25	21-Mar-25	108		
3S8SD-2030	Sludge Digester No. 4 - Driven H-pile (45 nos @ ave.1.5no/d/rig)	30	01-Apr-25	12-May-25	01-Apr-25	12-May-25	0		
3S8SD-2250	Sludge Digester No. 4 - Monitoring Installation and Pumping Test	21	28-Apr-25	23-May-25	28-Apr-25	23-May-25	0		
3S8SD-2040	Sludge Digester No. 4 - Sheet Piles Install (3,128m2,@90m2/d)	18	02-May-25	23-May-25	02-May-25	23-May-25	0		
3S8SD-2270	Sludge Digester No. 4 - Submit to GEO (28d)	28	13-May-25	14-Jun-25	05-Aug-25	05-Sep-25	70		
7 : Excavation ar	nd Strut Installation	64	24-May-25	08-Aug-25	24-May-25	08-Aug-25	0		
Z3S8SD-2050	Sludge Digester No. 4 - ELS Excavation (+6.0 to +4.6mPD)	16	24-May-25	12-Jun-25	24-May-25	12-Jun-25	0		
Z3S8SD-2060	Sludge Digester No. 4 - Marine Sediments Treatment and Disposal	30	13-Jun-25	18-Jul-25	16-Jun-25	21-Jul-25	2		
	Sludge Digester No. 4 - Strut Installation S1 (+4.6mPD)	8	13-Jun-25	21-Jun-25	03-Jul-25	11-Jul-25	16		
Z3S8SD-2070	Sludge Digester No. 4 - ELS Excavation (+4.6 to +1.1mPD)	16	13-Jun-25	02-Jul-25	13-Jun-25	02-Jul-25	0		
Z3S8SD-2070 Z3S8SD-2080									
Z3S8SD-2080		8	03-Jul-25	11-Jul-25	12-Jul-25	21-Jul-25	8		
Z3S8SD-2080 Z3S8SD-2090	Sludge Digester No. 4 - Strut Installation S2 (+1.1mPD)		03-Jul-25 03-Jul-25	11-Jul-25 21-Jul-25	12-Jul-25 03-Jul-25		8		
Z3S8SD-2080		8 16 8	03-Jul-25 03-Jul-25 22-Jul-25	11-Jul-25 21-Jul-25 30-Jul-25	12-Jul-25 03-Jul-25 22-Jul-25	21-Jul-25 21-Jul-25 30-Jul-25	-		



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31-Jul-21

Rev. 4

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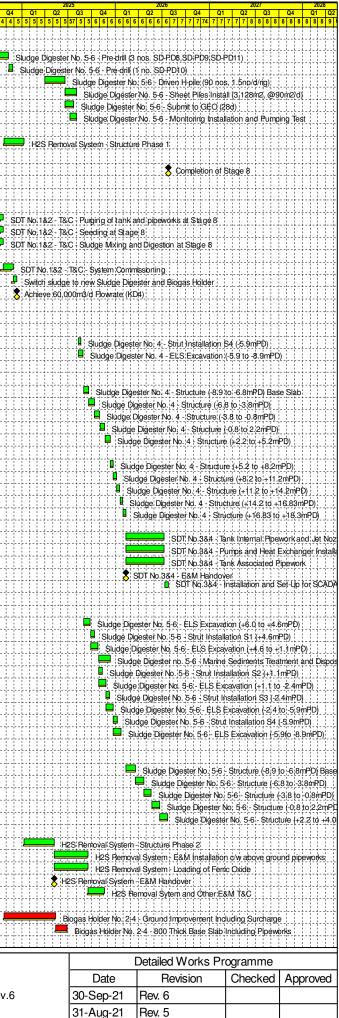
	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	23 Q4	Q1	Q2	Q3 Q	4 Q1	Q2	Q3	Q4 Q	110
town 7 a Marco Charl	Director No. Fond C		10.0 01	01.0	00 1 05	11.14- 00	0000									
	Digester No. 5 and 6	259	12-Sep-24	01-Aug-25	20-Jan-25	11-May-26	226		++++-	<u>i.   .  </u>					4-4-4-4	444
tage 7 : SD 5,6 Found		259	12-Sep-24	01-Aug-25	20-Jan-25	11-May-26	226								+++++	
Z3S8SD-1000	Sludge Digester No. 5-6 - Pre-drill (3 nos. SD-PD8, SD-PD9, SD-PD11)	48	12-Sep-24	09-Nov-24	20-Jan-25	21-Mar-25	105			1.1.1						
Z3S8SD-1010	Sludge Digester No. 5-6 - Pre-drill (1 no. SD-PD10)	14	11-Nov-24	26-Nov-24	22-Mar-25	08-Apr-25	105		LLL.							
Z3S8SD-1030	Sludge Digester No. 5-6 - Driven H-pile (90 nos, 1.5no/d/rig)	60	01-Apr-25	17-Jun-25	09-Apr-25	24-Jun-25	6					1111			1111	
Z3S8SD-1040	Sludge Digester No. 5-6 - Sheet Piles Install (3,128m2, @90m2/d)	38	18-Jun-25	01-Aug-25	25-Jun-25	08-Aug-25	6	1111			1111	1111	-1-1-1-	1111	11111	
Z3S8SD-2280	Sludge Digester No. 5-6 - Submit to GEO (28d)	28	18-Jun-25	21-Jul-25	08-Apr-26	11-May-26	236					++++				
Z3S8SD-2260	Sludge Digester No. 5-6 - Monitoring Installation and Pumping Test	21	09-Jul-25	01-Aug-25	12-Nov-25	05-Dec-25	105				+++++++++++++++++++++++++++++++++++++++	++++		++++	++++	
	Sludge Digester No. 5-6 - Monitoring installation and Pumping Test			-							+++++++++++++++++++++++++++++++++++++++			++++++	+++++	
age 7 : H2S System		65	22-Oct-24	08-Jan-25	23-May-25	08-Aug-25	169	4.4.4.4		111						444
I2S-180	H2S Removal System - Structure Phase 1	65	22-Oct-24	08-Jan-25	23-May-25	08-Aug-25	169									
age 8		591	06-Sep-24	27-Jul-26	22-Oct-24	08-Nov-27	402									
S8-3380	Completion of Stage 8	0		27-Jul-26		08-Nov-27	397		+++++	tit	THE P			11111	11111	
	Digester No. 1 and 2 (Continued)	81	06-Sep-24	12-Dec-24	31-Oct-25	05-Feb-26	338	++++++		<u> </u>	+++++	++++		++++	++++	
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tage 8 : Testing & Cor		81	06-Sep-24	12-Dec-24	31-Oct-25	05-Feb-26	338			1.1.1.						
S8 : Process Start-U	p	35	06-Sep-24	19-Oct-24	31-Oct-25	10-Dec-25	338									
Z3S3-3310	SDT No.1&2 - T&C - Purging of tank and pipeworks at Stage 8	35	06-Sep-24	19-Oct-24	31-Oct-25	10-Dec-25	338									
Z3S3-3320	SDT No.1&2 - T&C - Seeding at Stage 8	35	06-Sep-24	19-Oct-24	31-Oct-25	10-Dec-25	338			111						
Z3S3-3330	SDT No.1&2 - T&C - Sludge Mixing and Digestion at Stage 8	35	06-Sep-24	19-Oct-24	31-Oct-25	10-Dec-25	338	+++++		$\{\cdot, \cdot\} = \{\cdot, \cdot\}$	$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}$	$\uparrow\uparrow\uparrow\uparrow$		$\{ -1, -1, -1, -1, -1, -1, -1, -1, -1, -1,$	$\{\cdot,\cdot\} = \{\cdot,\cdot\} = \{\cdot,\cdot\}$	
		46	21-Oct-24	12-Dec-24	11-Dec-25	05-Feb-26	338	+++++		<del>:</del>	$-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}$	++++		$\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - 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\frac{1}$	$\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} = -\frac{1}{2} =$	
S8 : System Commi	-							4-4-4-4-	444.	1-1- <u>1</u> -						
Z3S3-2900	SDT No.1&2 - T&C - System Commissioning	34	21-Oct-24	28-Nov-24	11-Dec-25	22-Jan-26	338	4444	444.	1.1.1.		444		1111		444
Z3S3-2930	Switch sludge to new Sludge Digester and Biogas Holder	12	29-Nov-24	12-Dec-24	23-Jan-26	05-Feb-26	338		LLL	Шİ						
Z3S3-2950	Achieve 60,000m3/d Flowrate (KD4)	0		12-Dec-24		05-Feb-26	338			111						
age 8 : New Sludge	Digester No. 4 (Continued)	283	09-Aug-25	27-Jul-26	18-Aug-25	08-Nov-27	397	1111		<u>f</u> írir		1111		1111	1111	
tage 8 : SD 4 Foundat		17	09-Aug-25	28-Aug-25	18-Aug-25	05-Sep-25	7					++++				
		17		-			7					+++++		+++++		
S8 : Excavation and			09-Aug-25	28-Aug-25	18-Aug-25	05-Sep-25					+++++			++++++		
Z3S8SD-2130	Sludge Digester No. 4 - Strut Installation S4 (-5.9mPD)	8	09-Aug-25	18-Aug-25	28-Aug-25	05-Sep-25	16		J.L.	i.i.i.				J.J.H.	. L.L.L.	444
Z3S8SD-2140	Sludge Digester No. 4 - ELS Excavation (-5.9 to -8.9mPD)	17	09-Aug-25	28-Aug-25	18-Aug-25	05-Sep-25	7			<u>    [</u>						
tage 8 : SD 4 Civil an	d Structural Works	137	29-Aug-25	11-Feb-26	06-Sep-25	26-Feb-26	7	TITT	TTT	(111) 1		TTT		1111	1111	111
S8 : SD 4 Substruct		86	29-Aug-25	10-Dec-25	06-Sep-25	18-Dec-25	7	1111		[]]]		1111				
Z3S8SD-2150	Sludge Digester No. 4 - Structure (-8.9 to -6.8mPD) Base Slab	18	29-Aug-25	18-Sep-25	06-Sep-25	26-Sep-25	7	-t-t-t-t-	÷÷÷	t-1-1-		++++	-+-+-+-	****		
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Z3S8SD-2160	Sludge Digester No. 4 - Structure (-6.8 to -3.8mPD)	17	19-Sep-25	10-Oct-25	27-Sep-25	18-Oct-25	7	4.4.4.4	444.	1.1.1.	4444			4.4.4.4.	4.4.4.4	4-4-4-
Z3S8SD-2170	Sludge Digester No. 4 - Structure (-3.8 to -0.8mPD)	17	11-Oct-25	31-Oct-25	20-Oct-25	08-Nov-25	7									
Z3S8SD-2180	Sludge Digester No. 4 - Structure (-0.8 to 2.2mPD)	17	01-Nov-25	20-Nov-25	10-Nov-25	28-Nov-25	7									
Z3S8SD-2190	Sludge Digester No. 4 - Structure (+2.2 to +5.2mPD)	17	21-Nov-25	10-Dec-25	29-Nov-25	18-Dec-25	7			1111						
S8 : SD 4 Superstru		51	11-Dec-25	11-Feb-26	19-Dec-25	26-Feb-26	7	****	***	to to to	****				11111	
		10	11-Dec-25	22-Dec-25	19-Dec-25	02-Jan-26	7				+++++++++++++++++++++++++++++++++++++++	·			++++	
Z3S8SD-2200	Sludge Digester No. 4 - Structure (+5.2 to +8.2mPD)									<u>∔-</u> ∔- ∔-		·				
Z3S8SD-2210	Sludge Digester No. 4 - Structure (+8.2 to +11.2mPD)	10	23-Dec-25	06-Jan-26	03-Jan-26	14-Jan-26	7									
Z3S8SD-2220	Sludge Digester No. 4 - Structure (+11.2 to +14.2mPD)	10	07-Jan-26	17-Jan-26	15-Jan-26	26-Jan-26	7					ШJ				
Z3S8SD-2230	Sludge Digester No. 4 - Structure (+14.2 to +16.83mPD)	10	19-Jan-26	29-Jan-26	27-Jan-26	06-Feb-26	7				1111				1111	
Z3S8SD-2240	Sludge Digester No. 4 - Structure (+16.83 to +18.3mPD)	11	30-Jan-26	11-Feb-26	07-Feb-26	26-Feb-26	7	1111	TTT	1111	TITT	TIT		1111	11111	1111
tage 8 : E&M Works S		129	12-Feb-26	27-Jul-26	27-Feb-26	08-Nov-27	397									
-	SDT No.3&4 - Tank Internal Pipework and Jet Nozzle Installation	115	12-Feb-26	10-Jul-26	27-Feb-26	18-Jul-26	7							+++++	++++	
ATALZ3S8-2000	•									÷						
ATALZ3S8-2010	SDT No.3&4 - Pumps and Heat Exchanger Installation	115	12-Feb-26	10-Jul-26	27-Feb-26	18-Jul-26	7	4.4.4.4		144					4.4.4.4	
ATALZ3S8-2020	SDT No.3&4 - Tank Associated Pipework	115	12-Feb-26	10-Jul-26	27-Feb-26	18-Jul-26	7			1.1.1						
ATALZ3S8-2001	SDT No.3&4 - E&M Handover	0	12-Feb-26		27-Feb-26		7									
ATALZ3S8-2025	SDT No.3&4 - Installation and Set-Up for SCADA System	14	11-Jul-26	27-Jul-26	23-Oct-27	08-Nov-27	397									
age 8 : New Sludge	Digester No. 5 and 6 (Continued)	262	29-Aug-25	22-Jul-26	06-Dec-25	09-Oct-26	66					1111			1111	-1-1-1-
Stage 8 : SD 5,6 Found		121	29-Aug-25	23-Jan-26	06-Dec-25	11-May-26	82									
		24					82		+++-	<u></u>	++++	++++		++++	$\{\cdot, \cdot\}, \cdot \}$	
Z3S8SD-1060	Sludge Digester No. 5-6 - ELS Excavation (+6.0 to +4.6mPD)		29-Aug-25	25-Sep-25	06-Dec-25	06-Jan-26				<u>{</u> -}						
Z3S8SD-1070	Sludge Digester No. 5-6 - Strut Installation S1 (+4.6mPD)	12	26-Sep-25	11-Oct-25	25-Feb-26	10-Mar-26	118			111						
Z3S8SD-1080	Sludge Digester No. 5-6 - ELS Excavation (+4.6 to +1.1mPD)	24	26-Sep-25	25-Oct-25	07-Jan-26	03-Feb-26	82									
Z3S8SD-1090	Sludge Digester no. 5-6 - Marine Sediments Treatment and Disposal	40	27-Oct-25	12-Dec-25	13-Feb-26	10-Apr-26	90		1TT	117	1000	1000	111		1111	111
Z3S8SD-1100	Sludge Digester No. 5-6 - Strut Installation S2 (+1.1mPD)	12	27-Oct-25	10-Nov-25	11-Mar-26	24-Mar-26	106	THI	TTŤ	(TŤ	TITT	TTT	111	TTTT	TTT	111
Z3S8SD-1110	Sludge Digester No. 5-6 - ELS Excavation (+1.1 to -2.4mPD)	24	27-Oct-25	24-Nov-25	04-Feb-26	10-Mar-26	82									
								-+- <mark>-</mark>	++-+	+-+	+++++++++++++++++++++++++++++++++++++++	++++	-+-+-	·	+-+-+-	
Z3S8SD-1120	Sludge Digester No. 5-6 - Strut Installation S3 (-2.4mPD)	12	25-Nov-25	08-Dec-25	25-Mar-26	10-Apr-26	94				+					
Z3S8SD-1130	Sludge Digester No. 5-6 - ELS Excavation (-2.4 to -5.9mPD)	24	25-Nov-25	22-Dec-25	11-Mar-26	10-Apr-26	82		444.	<u>i.i.i.</u>					444	444
Z3S8SD-1140	Sludge Digester No. 5-6 - Strut Installation S4 (-5.9mPD)	12	23-Dec-25	08-Jan-26	11-Apr-26	24-Apr-26	82									
Z3S8SD-1150	Sludge Digester No. 5-6 - ELS Excavation (-5.9to -8.9mPD)	25	23-Dec-25	23-Jan-26	11-Apr-26	11-May-26	82					TTT				
tage 8 : SD 5,6 Civil a		125	12-Feb-26	22-Jul-26	12-May-26	09-Oct-26	66	1 111	111	(TT	1.1.1.1	1111		1111	1111	111
S8 : SD 5,6 Substrue		125	12-Feb-26	22-Jul-26	12-May-26	09-Oct-26	66	11111		111		***		$\frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}$		
		25				10-Jun-26	66	+		<u> </u>	$-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}$				$-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}+\frac{1}{2}$	
Z3S8SD-1170	Sludge Digester No. 5-6 - Structure (-8.9 to -6.8mPD) Base Slab		12-Feb-26	19-Mar-26	12-May-26			- <b>}- </b> - <b> </b> -  -  -  -  -  -  -  -  -  -  -  -  -		i-i-i-		·				
Z3S8SD-1180	Sludge Digester No. 5-6 - Structure (-6.8 to -3.8mPD)	25	20-Mar-26	21-Apr-26	11-Jun-26	11-Jul-26	66		444.	1.1.1						444
Z3S8SD-1190	Sludge Digester No. 5-6 - Structure (-3.8 to -0.8mPD)	25	22-Apr-26	21-May-26	13-Jul-26	10-Aug-26	66	LLL								
Z3S8SD-1200	Sludge Digester No. 5-6 - Structure (-0.8 to 2.2mPD)	25	22-May-26	22-Jun-26	11-Aug-26	08-Sep-26	66									
Z3S8SD-1210	Sludge Digester No. 5-6 - Structure (+2.2 to +4.0mPD)	25	23-Jun-26	22-Jul-26	09-Sep-26	09-Oct-26	66		111	(TT)		1111		+++++++++++++++++++++++++++++++++++++++		-1-1-1-
age 8 : H2S System		253	09-Jan-25	18-Nov-25	28-Nov-25	09-Oct-26	261									
									++-+	+-+-+-		-+		++-+-+-	+-+-+-	
2S-170	H2S Removal System - Structure Phase 2	91	09-Jan-25	07-May-25	28-Nov-25	24-Mar-26	261				+++++					
2S-150	H2S Removal System - E&M Installation c/w above ground pipeworks	110	08-May-25	15-Sep-25	25-Mar-26	07-Aug-26	261		<u>444</u> .	i.i.l.					4.4.4.E	444
2S-155	H2S Removal System - Loading of Ferric Oxide	110	08-May-25	15-Sep-25	25-Mar-26	07-Aug-26	261			<u>[]</u> [						
2S-149	H2S Removal System - E&M Handover	0	08-May-25		25-Mar-26		261		TT	(TT)	THE STREET		111		1111	111
I2S-160	H2S Removal Sytem and Other E&M T&C	52	16-Sep-25	18-Nov-25	08-Aug-26	09-Oct-26	261				1111	1111		1111		
tage 8 : Biogas Hold		383	22-Oct-24	05-Feb-26	22-Oct-24	05-Feb-26	0	+++++	++++	†	$-\frac{1}{1}-\frac{1}{1}-\frac{1}{1}-\frac{1}{1}-\frac{1}{1}-\frac{1}{1}$	++++		+++++	$\frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}{2} - \frac{1}$	
										<u> </u>						
3BH-1020	Biogas Holder No. 2-4 - Ground Improvement Including Surcharge	160	22-Oct-24	12-May-25	22-Oct-24	12-May-25	0	4-4-4-4-		1-1-1-	$\{a_i,a_j,a_j,a_j,a_j\}$					
	Biogas Holder No. 2-4 - 800 Thick Base Slab Including Pipeworks	39	13-May-25	27-Jun-25	13-May-25	27-Jun-25	0	3 3 3 3 1	1 1 1	111		-1-1-1-1	1 1 1	1 1 1 1		111
3BH-1030 Stage 8 : E&M Installat	•	184	28-Jun-25	05-Feb-26	28-Jun-25	05-Feb-26						-1 = -1 = -1 =1				



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31-Jul-21

Rev. 4



											199					2026
Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float	3	Q4 Q1	Q2	Q3 Q4	4 Q1	Q2 (	23 Q4	Q1 C	2024 22 Q3
ATALZ3BH-2260	BH No. 2-4 - Installation of Biogas Holder No.2-4	184	28-Jun-25	05-Feb-26	28-Jun-25	05-Feb-26	0	111	1111	17 1 1 2	22222	2 2 2 2 2	3 3 3	34 3 3 3 3	3444	4 4 4 4 4
ATALZ3BH-2259	BH No. 2-4 - Installation of blogas Holder No.2-4 BH No. 2-4 - E&M Handover	0	28-Jun-25 28-Jun-25	05-Feb-26	28-Jun-25 28-Jun-25	05-FeD-26	0									
ATALZ3BH-2265	BH No. 2-4 - Installation and Set-Up for SCADA System	14	20-Jun-25 21-Jan-26	05-Feb-26	20-Jun-25 21-Jan-26	05-Feb-26	0					<u> </u>	++++		÷	
Stage 8 : Remaining		30	23-May-25	27-Jun-25	21-5an-20 23-May-25	27-Jun-25	0	- <del> </del>		-+-+-+-						
ATALZ3BH-2210	Remaining Pipe Connection to Pipe Portal 1 to 3 (Permanent Pipe Routing)	30	23-May-25	27-Jun-25	23-May-25	27-Jun-25	0									
Stage 9	hemaning ripe connection to ripe rollar 1.05 (remanent ripe houting)	236	06-Feb-26	07-Nov-26	06-Feb-26	07-Nov-26	0	- <del> </del>	++++		*****		++++++			
Z3S9-3380	Completion of Store 0. (all range 0. und/o complete)	0	0010020	07-Nov-26*	0010020	07-Nov-26	0									
	Completion of Stage 9 (all zone 3 works complete)	69	11-Jul-26	30-Sep-26	20-Jul-26	07-100-26 09-Oct-26	7						++++			
Stage 9 : New Studge Stage 9 : E&M Works	Digester No. 4 (Continued)	69	11-Jul-26	30-Sep-20	20-Jul-20	09-Oct-26	7				÷÷	÷	· • • • •		÷	
ATALZ3S8-2030	SDT No.3&4 - Instrumentation	34	11-Jul-26	19-Aug-26	20-Jul-20	27-Aug-26	7									
ATALZ3S8-2040	SDT No.3&4 - Electrical works (Cable wiring, termination, lightning arrestor)	34	11-Jul-26	19-Aug-26	20-Jul-26	27-Aug-26	7				╬╬╌╠╌╬╌╬╴	<u></u> +	$\cdot + + + +$	·	÷	
ATALZ3S8-2050	SDT No.384 - T&C	35	20-Aug-26	30-Sep-26	28-Aug-26	09-Oct-26	7	- <u>-</u>			****		++++		+++++++++++++++++++++++++++++++++++++++	
ATALZ3S8-2055	SDT No.3&4 - Installation and Set-Up for SCADA System	14	14-Sep-26	30-Sep-26	22-Sep-26	09-Oct-26	7						++++			
	Jers No. 2,3 and 4 (Continued)	236	06-Feb-26	07-Nov-26	06-Feb-26	07-Nov-26	0		11111	-+-+-+-	<u></u>	<u>+++++</u>	1111			
Stage 9 : E&M Installa		145	06-Feb-26	08-Aug-26	06-Feb-26	07-Nov-26	75					+++++	++++			
ATALZ3BH-2000	BH No. 2-4 - Installation of Biogas Holder No.2-4	126	06-Feb-26	17-Jul-26	06-Feb-26	17-Jul-26	0		1111				1111			
ATALZ3BH-2010	BH No.2-4 - Installation of pipework and instrumentation in Biogas Holder Valve Chamber No.2-4	95	15-Apr-26	07-Aug-26	15-Apr-26	07-Aug-26	0	-†-†	1111		1111		1111	1111		
ATALZ3BH-2020	BH No.2-4 - Instrumentation	95	15-Apr-26	07-Aug-26	15-Apr-26	07-Aug-26	0									
ATALZ3BH-2030	BH No.2-4 - Electrical works (Cable wiring, termination, lightning arrestor)	95	16-Apr-26	08-Aug-26	16-Apr-26	08-Aug-26	0		1111	-+-+-+-						
ATALZ3BH-2035	BH No.2-4 - Installation and Set-Up for SCADA System	14	24-Jul-26	08-Aug-26	23-Oct-26	07-Nov-26	75									
Stage 9 : E&M Installa	tion Works for Biogas Holders No. 1-4	178	15-Apr-26	07-Nov-26	15-Apr-26	07-Nov-26	0									
ATALZ3BH-2040	BH No.1-4 - Installation of Underground Biogas Pipework	95	15-Apr-26	07-Aug-26	15-Apr-26	07-Aug-26	0									
ATALZ3BH-2050	BH No.1-4 - Installation of Biogas Booster Pump No.3 & 4 and Transfer Pump	95	15-Apr-26	07-Aug-26	15-Apr-26	07-Aug-26	0				] [ [ ] ]					
ATALZ3BH-2060	BH No.1-4 -Installation of Waste Gas Burner	95	15-Apr-26	07-Aug-26	15-Apr-26	07-Aug-26	0									
ATALZ3BH-2175	BH No.2-4 - Installation and Set-Up for SCADA System	14	23-Jul-26	07-Aug-26	23-Jul-26	07-Aug-26	0									
ATALZ3BH-2170	Section 3 Completion	0		07-Nov-26*		07-Nov-26	0									
Stage 9 : Testing and	Commissioning (T&C)	52	08-Aug-26	09-Oct-26	08-Aug-26	09-Oct-26	0									
S9 : BH No.1		52	08-Aug-26	09-Oct-26	08-Aug-26	09-Oct-26	0									
ATALZ3BH-2070	BH No. 1 - T&C - E&M SAT of Biogas Holder No.1 (using Air to test membrane only)	15	08-Aug-26	25-Aug-26	08-Aug-26	25-Aug-26	0									
ATALZ3BH-2090	BH No. 1 - T&C - E&M SAT of whole Biogas Holder No.1 and associated valve and pipework (N2 Purging)	20	08-Aug-26	31-Aug-26	08-Aug-26	31-Aug-26	0						444			
ATALZ3BH-2100	BH No. 1 - T&C - E&M SAT of Biogas Booster Pump No.1 & 2	20	08-Aug-26	31-Aug-26	08-Aug-26	31-Aug-26	0				÷					
ATALZ3BH-2160	BH No. 1 - System Commissioning	32	01-Sep-26	09-Oct-26	01-Sep-26	09-Oct-26	0									
S9 : BH No.2, 3 & 4		18	10-Aug-26	29-Aug-26	10-Aug-26	09-Oct-26	33	4								
ATALZ3BH-2080	BH No.2-4 - T&C - E&M SAT of Biogas Holder No.2-4 (using Air to test membrane only)	14	10-Aug-26	25-Aug-26	10-Aug-26	25-Aug-26	0									
ATALZ3BH-2110	BH No.2-4 - T&C - E&M SAT of whole Biogas Holder No.2-4 and associated valve and pipework (N2 Purging)	18	10-Aug-26	29-Aug-26	17-Sep-26	09-Oct-26	33								÷	
S9 : BH No.1, 2, 3 &		51	10-Aug-26	09-Oct-26	10-Aug-26	09-Oct-26	0									
ATALZ3BH-2120	BH No.1-4 - T&C - E&M SAT of Biogas Booster Pump No.3 & 4 and Transfer Pump	15	10-Aug-26	26-Aug-26	10-Aug-26	26-Aug-26	0									
ATALZ3BH-2130	BH No.1-4 - T&C - E&M SAT of Waste Gas Burner	15 36	10-Aug-26	26-Aug-26	10-Aug-26	26-Aug-26	0						++++			
ATALZ3BH-2150	BH No.1-4 - System Commissioning	36 25	27-Aug-26 10-Oct-26	09-Oct-26 07-Nov-26	27-Aug-26 10-Oct-26	09-Oct-26 07-Nov-26	0									
Stage 9 : Remaining ATALZ3BH-2200		23	10-Oct-26	07-Nov-26	10-Oct-26	07-Nov-26	0						· • • • •		÷	
ATALZ3BH-2200 ATALZ3BH-2220	Demolish Gas Holder (GH1), Methane Compressor House and Water Heater House Demolish Consolidation Tanks C3-C6	24	10-Oct-26	07-Nov-26	10-Oct-26	07-Nov-26	0									
ATALZ3BH-2220 ATALZ3BH-2230	Demolish Temp. Consolidation Tank System & Polymer Dosing System	24	10-Oct-26	07-Nov-26	10-Oct-26	07-Nov-26	0								÷	
ATALZ3BH-2240	Demolish Temp. Sludge Holding Tank (SHT)	24	10-Oct-20	07-Nov-26	10-Oct-26	07-Nov-26	0				+ + + + + + + + + + + + + + + + + + + +					
ATALZ3BH-2250	Section 3 Completion	0	10-00120	07-Nov-26*	10-001-20	07-Nov-26	0									
	Idge Thickening Building Perimeter	216	06-Feb-26	03-Nov-26	01-Apr-26	07-Nov-26	4	- <u>†-</u> †-†								
EW-1020	STB Perimeter - Drainage/Sewer/Watermain/Utility Installation	150	06-Feb-26	14-Aug-26	01-Apr-26	02-Oct-26	40				÷÷	+++++++++++++++++++++++++++++++++++++++	++++		÷	-+
EW-1020	STB Perimeter - Drainage/Sewer/Watermain/Ching Installation	120	06-Feb-26	14-Aug-26 10-Jul-26	01-Apr-26	26-Aug-26	40				++++++		++++			
EW-1040	STB Perimeter - Process Pipe Installation	90	18-Jul-26	03-Nov-26	23-Jul-26	26-Aug-26 07-Nov-26	40					<u></u> +- +- +- +- +- +- +- +- +- +-	++++		+	-+
Plant Commissioning		126	15-Jun-26	03-Nov-26	23-Jun-26	08-Nov-26										
PC-110	Submit Plant Commissioning Plan	90	15-Jun-26	30-Sep-26	24-Jun-26	09-Oct-26	7				+++++++++++++++++++++++++++++++++++++++	+++++	++++		+	
PC-110 PC-100	Complete SD E&M Works	90	10-0011-20	30-Sep-26	24-JUII-20	09-Oct-26	7									
PC-100 PC-120	Plant Commissioning	30	10-Oct-26	08-Nov-26	10-Oct-26	09-001-26 08-Nov-26	0			-+-+-		+++++			÷	
F 0-120			10-001-20	00-1107-20	10-06-20	00-1100-20	U	: 1 :		. : :					<u></u>	

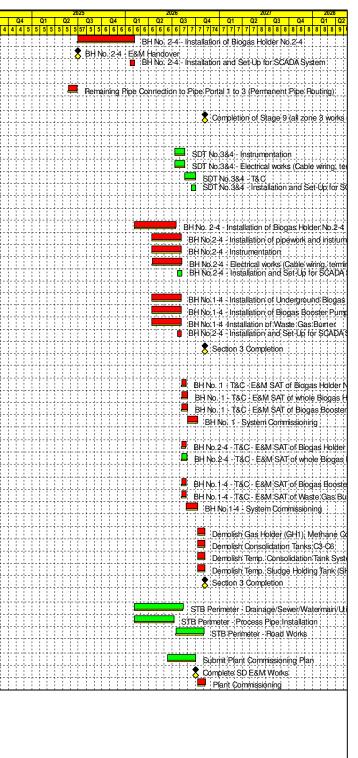


Remaining Level of Effort
 DWP Rev.5
 Actual Work

Remaining Work

Critical Remaining Work

Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Detailed Works Programme Project ID : DWP.DPr6\_210930 Layout : DC201910 DWP rev Page 27 of 27

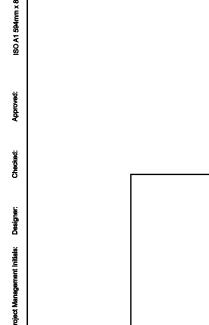


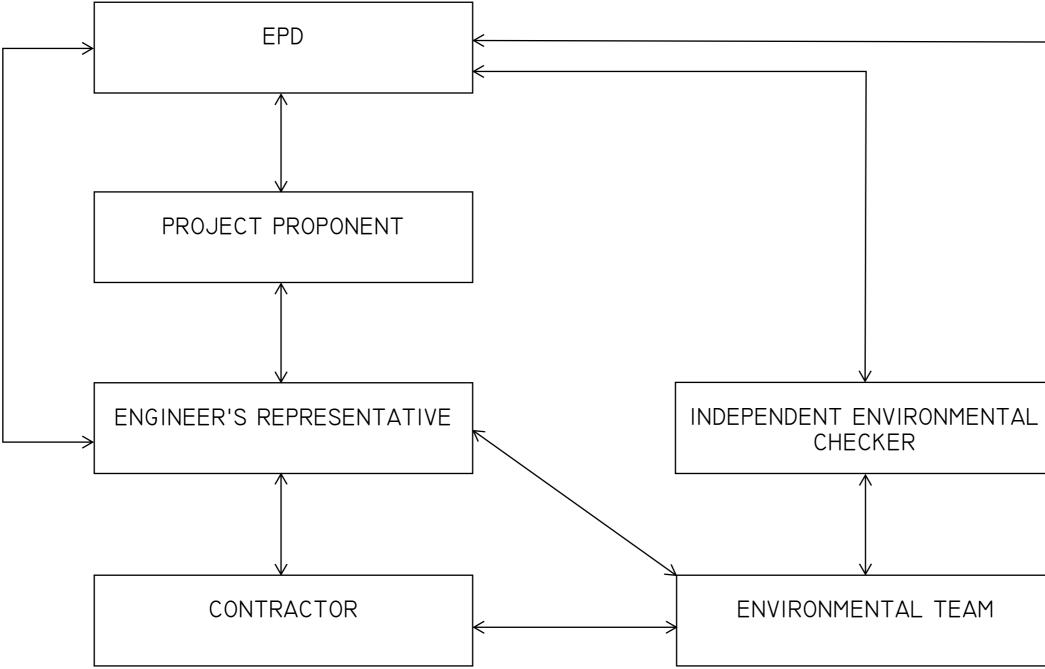
	1	Detailed Works Pr	ogramme	
	Date	Revision	Checked	Approved
v.6	30-Sep-21	Rev. 6		
	31-Aug-21	Rev. 5		
	31-Jul-21	Rev. 4		

# **Appendix B**

**Project Organization Chart** 







#### LINE OF COMMUNICATION



### PROJECT <sup>東目</sup>

YUEN LONG EFFLUENT **POLISHING PLANT -**INVESTIGATION, DESIGN AND CONSTRUCTION

#### CLIENT



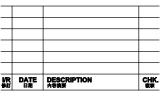
築務署 Drainage Services Departm

#### 

AECOM Asia Company Ltd. www.aecom.com

#### SUB-CONSULTANTS 分判工程期間公司

#### ISSUE/REVISION



/R 師	DATE 日期	DESCRIPTION 內容摘要
ST/	ATUS	

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KEY PLAN ★헤르

PROJECT NO.

CONTRACT NO.

60505476

CE 3/2015 (DS)

### SHEET TITLE ■統名第

PROJECT ORGANISATION

## SHEET NUMBER

# **Appendix C**

Action and Limit Level



#### Action / Limit Levels for Air Quality

<sup>1</sup> For base		
1-hour TSP Level in μg/m <sup>3</sup>	line level ≤ 384 µg/m³, Action level = level * 1.3 + Limit level)/2; For level > 384 µg/m³, Action level = ≥l	500 µg/m³

1. The Action Level for 1-hour TSP Level: a) AMS 2 = (63\*1.3 + 500) / 2 = 291 μg/m<sup>3</sup>;

b) AMS 3C = (70\*1.3 + 500) / 2 = 296 μg/m<sup>3</sup>.

#### Action and Limit Levels for Construction Noise

Time Period	Action Level	Limit Level
0700 - 1900 hours on normal weekdays	When one documented complaint is received	75 dB(A) *

Notes:

1. If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the Noise Control Authority have to be followed.

2. Correction of +3 dB(A) shall be made to the free field measurements.

#### Action and Limit Levels for Water Quality

Parameters	Action Levels	Limit Levels				
Construction Phase Wate	r Quality Monitoring					
DO in mg/L (Surface, Middle &	<u>Surface &amp; Middle</u> 5%-ile of baseline data for surface and middle layer.	Surface & Middle 4 mg/L or 1%-ile of baseline data for surface and middle layer.				
Bottom) <sup>2</sup>	<u>Bottom</u> 5%-ile of baseline data for bottom layer.	Bottom 2 mg/L or 1%-ile of baseline data for bottom layer.				
SS in mg/L (depth-averaged <sup>1</sup> ) <sup>3</sup>	95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day	99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day				
Turbidity in NTU (depth-averaged <sup>1</sup> ) <sup>3</sup>	95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day	99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day				

Notes:

1. "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths;

2. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits;

3. For SS and turbidity, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

#### Action and Limit Levels for Ecology

#### Active Ardeid Night Roost Survey

As there are no specific guidelines on noise thresholds for roosting ardeids, the Action and Limit levels specified in below table were based on study conducted on exploring behavioural responses of shorebirds to impulsive noise (Wright et al. 2010).

Time Period	Action Level	Limit Level		
after 17:30 during dry season after 18:00 during wet season	65.5 dB(A) <sup>1</sup>	72.2 dB(A) <sup>2</sup>		

Notes:

1. Behavioural response of some kind more likely to occur

2. Flight with abandonment of the site becomes the most likely outcome of the disturbance

#### Ecological Monitoring of Birds

Method	Parameters	Action Level <sup>3</sup>	Limit Level <sup>3</sup>	
	Abundance of all avifauna species (including but not only limited to overwintering waterbirds) in the community			
Transect	Species diversity of all avifauna species (including but not only limited to overwintering waterbirds) in the community		Significant decline in any of these parameters for three consecutive months.	
	Abundance of species with conservation importance only			
	Species diversity of species with conservation importance only	Significant decline <sup>1,2</sup> in any of these parameters during the current monitoring month		
	Abundance of all avifauna species (including but not only limited to overwintering waterbirds) in the community	relative to the corresponding month during the baseline survey.		
Point Count	Species diversity of all avifauna species (including but not only limited to overwintering waterbirds) in the community			
	Abundance of species with conservation importance only			
	Species diversity of species with conservation importance only			

Notes:

1. Significant decline in abundance will be determined using two-tailed t-test,  $\alpha = 0.05$ .

2. Significant decline in species diversity will be determined using the Hutcheson t-test, two tailed.

3. Response will be triggered if any of the above level is reached for each parameter.

## **Appendix D**

Calibration Certificate of Monitoring

Equipment



Air Quality Monitoring Equipment





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#### CALIBRATION CERTIFICATE OF DUST METER

Client : Fugro Technical Services Limited

Project : Calibration Services

#### **Client Supplied Information**

Details of Unit Under Test, UUT

Description	: Laser dust monitor
Manufacturer	: SIBATA
Model No.	: LD-5R
Serial No.	: 761105
Specification Limit	: NA
Next Calibration Date	: 22-Nov-2021

#### Laboratory Information

Description		: 1. Balance		2. TSP high volume air sampler
Equipment ID. / Seria	al I	no. : 1. C-065-9		2. 4350
Date of Calibration	:	23-Nov-2020	А	mbient Temperature : 25 ± 10 °C
Calibration Location	:	General Chemical L	abo	pratory of FTS and Ma Wan A1 Site Boundary
Method Used	;	By direct compariso	on th	ne weight of dust particle trapped in a filter paper using high
		volume sampler (TS	SP r	method) for a certain period, with the reading of the UUT. They
		should be placed at	the	e same location and powered on and off at the same time.

#### Calibration Results :

Reference concentration (mg/m <sup>3</sup> )	Total count for 1 hour	CPM (Count per minute)		
0.0915	3647	60.78		
0.0469	3027	50.45		
0.1172	3861	64.35		

#### **Remarks:**

1. The equipment being used in this calibration is traceable to recognized National Standards.

- 2. The interpolation equation : Concentration (mg/m<sup>3</sup>) = K x [UUT reading (CPM)], where K = 0.001456
- 3. Correlation coefficient (r): 0.9928

## Checked by : Chung Date : 15-12-2020 Certified by : K Joung Date : N-12-2020 CA-R-297 (22/07/2009) Leung Kwok Tai (Assistant Manager)

\*\* End of Report \*\*

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Report no.: 940891CA202730(6)

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#### CALIBRATION CERTIFICATE OF DUST METER

Client : Fugro Technical Services Limited

Project : Calibration Services

#### **Client Supplied Information**

Details of Unit Under Test, UUT

: Laser dust monitor
: SIBATA
: LD-5R
: 882149
: NA
: 22-Nov-2021

#### Laboratory Information

Description		: 1. Balance		2. TSP high volume air sampler
Equipment ID. / Seria	al r	no.: 1.C-065-9		2. 4350
Date of Calibration	:	23-Nov-2020	A	mbient Temperature : 25 ± 10 °C
Calibration Location	:	General Chemical La	abc	pratory of FTS and Ma Wan A1 Site Boundary
Method Used	:	By direct comparisor	ו th	e weight of dust particle trapped in a filter paper using high
		volume sampler (TS	Ρn	nethod) for a certain period, with the reading of the UUT. They
		should be placed at f	the	same location and powered on and off at the same time.

#### Calibration Results :

Reference concentration (mg/m <sup>3</sup> )	Total count for 1 hour	CPM (Count per minute)
0.0915	3526	58.77
0.0469	2720	45.33
0.1172	3776	62.93

#### **Remarks:**

1. The equipment being used in this calibration is traceable to recognized National Standards.

2. The interpolation equation : Concentration (mg/m<sup>3</sup>) = K x [UUT reading (CPM)], where K = 0.001530

3. Correlation coefficient (r): 0.9901

Checked by :	Com	_ Date :	15-12-2020	_ Certified by :_	KIKenny	Date :	15-12-2020
CA-R-297 (22/07/20	09)			Leung	) Kwok Tai (Assista	ant Manag	ger)

\*\* End of Report \*\*

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Location : MaWTF, Ma Wan								f Calibratio				
Location ID: A1 Site Boundary								bration Dat Technicia		1-21		
				(	CON	DITIONS						
	Sea	Level Press Temper	1011	.40 24	Co	orre	ected Press Ter	sure (mm nperature		759 297		
				CALIE	BRAT	ION OR	IFIC	CE				
Make: Tisch Model: TE-5025A Calibration Date: 11/9/2020							Q	Qstd Slop std Intercep Expiry Dat	ot: -0.029	962		
				C	ALIB	RATION	S					
Plate No.	H2O (L) (in)					l (char	t)	IC (corrected	)		INEAR RESSION	1
18 13	5.40 4.30	-6.00 -4.70	11.400 9.000	613 435	61. 54.	00	61.1 54.0	) Slo 9 Interce	-	32.5454 8.0074	1	
10 7 5	3.30 2.00 1.10	-3.70 -2.50 -1.60	7.000 4.500 2.700	1.	267 019 792	49. 41. 34.	00	49.0 41.0 34.0	7	oett.:	0.999	1
Calcul	lations:											
	= 1/m[Sqrt(H Sqrt(Pa/Psto		)(Tstd/Ta))	-b]				FLO\	V RATE C	CHART	-	
IC = contract IC = actor	standard flo prrected cha ual chart res	irt response sponse				70.00 60.00					•	
b = ca Ta = a Pa = a	alibrator Qst alibrator Qsto ctual tempe ctual pressu	d intercept rature durin			nse (IC)	50.00 -						-
Tstd = 298 deg K Pstd = 760 mm Hg				art respo	30.00 -			•			-	
For subsequent calculation of sampler flow: 1/m((I)[Sqrt(298/Tav)(Pav/760)]-b)				Actual chart response (IC)	20.00							
b = sa I = ch Tav = c	<ul> <li>m = sampler slope</li> <li>b = sampler intercept</li> <li>I = chart response</li> <li>Tav = daily average temperature</li> <li>Pav = daily average pressure</li> </ul>					0.00	)0	0.500 Standar	1.000 d Flow Ra	1.5 ate (m <sup>3</sup>		000

#### TSP SAMPLER CALIBRATION CALCULATION SPREADSHEET



### CALIBRATION REPORT OF WIND METER

•	ontract No. SPW 07/2020 Yuen Long Sewage Tre		Date of Calibration: Next Calibration Date:	27-Sep-2021 26-Mar-2022		
Brand: Model:	Global Water GL500-7-2	Serial No: 201	2000974	Technician:	Sam Fong	
			Anemometer			
Brand: Model:	Benetech GM816 Equipment ID: 08		08			
	Procedures:					
1.	Wind Still Test:	The wind speed s	sensor was held by hand unti	il stabilized.		
2.	Wind Speed Test: The wind meter was calibrated in-situ and compared with the Anemometer.				ter.	
3.	Wind Direction Test:	The wind meter was calibrated in-situ and compared with a marine compass from four directions.				

Wind Still Test:

Wind Speed (m/s)
0.00

Wind Speed Test:

Global Water (m/s)	Anemometer (m/s)
1.7	1.5
2.5	2.4
1.4	1.6

Wind Direction Test:

	Marine Compass (o)
137	135
98	96
205	204
314	316

- Cory

Report Date: 29/9/2021

Wan Ka Ho Project Consultant

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Noise Monitoring Equipment





Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong Page 1 of 1

#### Report no.: 203258CA211142

#### CALIBRATION CERTIFICATE OF SOUND LEVEL METER

#### **Client Supplied Information**

Client : Fugro Technical Services Ltd. Project : Calibration Services

#### Details of Unit Under Test, UUT

Description	:	Sound Level Meter			
Manufacturer	:	Casella			
		Meter	Microphone	Preamplifier	
Model No.	:	CEL-63X	CE-251	CEL-495	
Serial No.	:	0873599	02374	003916	
Equipment ID	:	N-45			
Next Calibration Date Specification Limit	:	27-May-2022 EN 61672-1: 2003 Class	1		
opcomodion Linit	•	EN 01072 1. 2000 01033			

#### Laboratory Information

Details of Reference Equipment -

Description	:	B & K Acoustic Multifunction Calibrator 4226 (Traditional free field setting)	
Equipment ID.	÷	R-108-1	
Date of Calibration		28-May-2021	

Date of Calibration	1	28-May-2021			
Calibration Location	:	Calibration Laboratory of FTS	Ambient Temperature	:	20±2 °C
Method Used	÷	By direct comparison	<b>Relative Humidity</b>	:	<80% R.H.

#### Calibration Results :

Parameters		Mean Value (dB)	Specific	ation	Limit(dB)
	4000Hz	1.4	2.6	to	-0.6
	2000Hz	1.3	2.8	to	-0.4
	1000Hz	0.0	1.1	to	-1.1
A-weigthing frequency response	500Hz	-3.3	-1.8	to	-4.6
	250Hz	-8.8	-7.2	to	-10.0
	125Hz	-16.2	-14.6	to	-17.6
	63Hz	-26.2	-24.7	to	-27.7
	31.5Hz	-39.2	-37.4	to	-41.4
Differential level linearity	94dB-104dB	0.1		± 0.6	3
	104dB-114dB	0.0		± 0.6	6

#### Remarks :

1. The equipment used in this calibration is traceable to recognized National Standards.

- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast
- 4. The UUT does comply with EN 61672-1: 2003 Class 1 sound level meter for the above measurement.
- 5 The values given in this Calibration Certificate only relate to unit under test and the values measured at the time of the test. Any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during tranportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

....

Checked by :	Date : _	<u>1-6-2021</u> Certified by : <u>k. T. Jeung</u> Date : <u>1.6.2021</u>
CA-R-297 (22/07/2009)		Leung Kwok Tai (Assistant Manager)
		** End of Report **

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Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong

Page 1 of 1

#### Report no.: 203258CA202302(2)

#### **CALIBRATION CERTIFICATE OF SOUND LEVEL METER**

Client Supplied Information

Client : Fugro Technical Services Ltd.

Project : Calibration Services

Details of Unit Under Test, UUT

Description	:	Sound Level Meter
-------------	---	-------------------

Manufacturer	:	Casella				
		Meter	Microphone	Preamplifier		
Model No.	:	CEL-63X	CE-251	CEL-495		
Serial No.	:	1488304	03876	002752		
Equipment ID	•	N-62				
Next Calibration Date	:	29-Oct-2021				
Specification Limit	:	EN 61672-1; 2003 Class 1				

#### Laboratory Information

Details of Reference Equipment -

Description :		B & K Acoustic Multifunction Calib	rator 4226 (Traditional fr	ee	field setting)
Equipment ID. :		R-108-1			
Date of Calibration	:	30-Oct-2020			
Calibration Location	:	Calibration Laboratory of FTS	Ambient Temperature	5	20±2 °C
Method Used	:	By direct comparison	Relative Humidity	÷	<80% R.H.

#### **Calibration Results :**

Parame	ters	Mean Value (dB)	Specific	ation	Limit(dB)
	4000Hz	1.5	2.6	to	-0.6
	2000Hz	1.3	2.8	to	-0.4
	1000Hz	-0.1	1.1	to	-1.1
A-weigthing frequency	500Hz	-3.5	-1.8	to	-4.6
response	250Hz	-8.9	-7.2	to	-10.0
a ne a la se contre a	125Hz	-16.4	-14.6	to	-17.6
	63Hz	-26.4	-24.7	to	-27.7
	31.5Hz	-39.4	-37.4	to	-41.4
Differential level	94dB-104dB	0.0		± 0.6	3
linearity	104dB-114dB	0.0		± 0.6	6

#### **Remarks**:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. For calibration: Reference SPL are 94, 104 & 114dB, range setting is 20-140dB & time weighting is fast.
- 4. The UUT does comply with EN 61672-1: 2003 Class 1 sound level meter for the above measurement.
- 5 The values given in this Calibration Certificate only relate to the values at the time of the test and any uncertainties will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during tranportation, overloading, mis-handling or the capability of any other laboratory to repeat the measurement.

Checked by :	_ Date : _ 4 -11 - 2020	Certified by : <u>k.T. Lung</u>	Date : <u>4 -11-7077</u>
CA-R-297 (22/07/2009)		Leung Kwok Tai (Assista	ant Manager)
	**	End of Report **	

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FUGRO TECHNICAL SERVICES LIMITED

Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong

Report no.: 203258CA210891

### **CALIBRATION CERTIFICATE OF SOUND CALIBRATOR**

Page 1 of 1

Client : Fugro Technical Services Ltd.

**Project : Calibration Services** 

#### **Client Supplied Information**

Details of Unit Under Test, UUT

	:	Sound Calibrator
	:	Casella (Model CEL-120/1)
	:	4358251
	:	N-34
:	10-	May-2022
:	EN	60942: 2003 Class 1

#### Laboratory Information

#### **Details of Calibration Equipment**

Description :	Reference Sound level meter		
Equipment ID. :	R-119-2		
Date of Calibration :	11-May-2021		
Calibration Location :	Calibration Laboratory of FTS	Ambient Temperature: 20±2 °C	
Method Used :	By direct comparison	Relative Humidity : <80% R.H.	

#### **Calibration Results :**

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	-0.1 dB	±0.4dB
114dB	-0.1 dB	±0.40B

#### Remarks :

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The unit under test complies with the specification limit.
- 4. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Any uncertainties will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

Checked by : Killiam	Date : 12-5-202	_ Certified by :	F.T. Zeung Date : 12-5-	-2021
CA-R-297 (22/07/2009)		Leung H	Kwok Tai (Assistant Manager)	

\*\* End of Report \*\*



Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong

Report no.: 212769CA212069(3)

#### **CALIBRATION CERTIFICATE OF SOUND CALIBRATOR**

Page 1 of 1

Client : Fugro Technical Services Ltd.

**Project : Calibration Services** 

#### **Client Supplied Information**

Details of Unit Under Test, UUT

Description		: 8	Sound Calibrator
Manufacturer		: (	Casella (Model CEL-120/1)
Serial No.		: 2	2383707
Equipment ID		: 1	N/A
Next Calibration Date	:	25-A	Aug-2022
Specification Limit	:	ΕN	60942: 2003 Class 1

#### Laboratory Information

#### Details of Calibration Equipment

Description :	Reference Sound level meter
Equipment ID. :	R-119-2
Date of Calibration :	26-Aug-2021
Calibration Location :	Calibration Laboratory of FTS
Method Used :	By direct comparison

Ambient Temperature : 20±2 °C Relative Humidity : <80% R.H.

#### **Calibration Results :**

Parameters (Setting of UUT)	Mean Value (error of measurement)	Specification Limit(dB)
94dB	-0.4 dB	±0.4dB
114dB	-0.3 dB	±0.40B

#### **Remarks**:

- 1. The equipment used in this calibration is traceable to recognized National Standards.
- 2. The mean value is the average of four measurements.
- 3. The unit under test complies with the specification limit.
- 4. The values given in this Calibration Certificate only relate to the unit-under-test and the values measured at the time of the test. Any uncertainties quoted will not include allowances for the environmental changes, variation and shock during transportation, or the capability of any other laboratory to repeat the measurement.

Checked by : Carmy	Date : <u>27 - 8 - 202</u> Certified	d by: KThenng Date: 27-8-2021
CA-R-297 (22/07/2009)		Leung Kwok Tai (Assistant Manager)
	CARDENS THE REAL PROPERTY AND	10 - 500 C M

\*\* End of Report \*\*



Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong

Report No. : 212769CA211145

Page 1 of 1

#### **CALIBRATION CERTIFICATE OF ANEMOMETER**

#### **Client Supplied Information**

Client : Fugro Technical Services Limited

Project : Calibration Services

Details of Unit Under Test, UUT

Description	·	Anemometer
-------------	---	------------

Manufacturer	:	SENSOR
Model No.	:	AR816
Serial No.	:	2136513

Equipment ID.: NA

Next Calibration Date : 30-May-2022

#### Laboratory Information

Details of Reference Equipment -

Description :	Reference Anemometer			
Equipment ID.:	R-101-4			
Date of Calibration :	31-May-2021	Ambient Temperature	:	22 °C
Calibration Location :	Calibration Laboratory o	f FTS		
Method Used : In-hou	use Method R-C-279			

#### **Calibration Results :**

Reference Reading	UUT Reading	Error
(m/s)	(m/s)	(m/s)
1.99	2.0	0.0
4.00	4.3	0.3
6.01	6.3	0.3
7.99	8.2	0.2
10.03	9.9	-0.1

#### **Remark :**

1. The equipment being used in this calibration is traceable to recognized National Standards.

- 2. The reported readings in this calibration are an average from 10 trials.
- 3. The expanded uncertainty is 0.5 m/s with a coverage factor of 2 at a confidence level of 95%.

Checked by :	Lilliam	Date : 🗾	2-6-2021	. –	1		2-6-2021
CA-R-297 (22/07/200	9)			Leu	ıng Kwok Tai (Assi	stant Man	ager)

\*\* End of Report \*\*

Water Quality Monitoring Equipment





Report No.: 142626WA211884

## 

Page 1 of 3

### Report on Calibration of YSI EXO-3 Multi-parameter Water Quality Meter

#### Information Supplied by Client

Client	:	Fugro Technical Services Limited (MCL)
Client's address	:	Rm. 723-726, 7/F, Profit Industrial Building, No. 1-15, Kwai Fung Crescent, Kwai Chung, N.T.
Sample description	:	One YSI EXO-3 Multi-parameter Water Quality Meter
Client sample ID	:	Serial No. 19E100633
Test required	:	Calibration of the YSI EXO-3 Multi-parameter Water Quality Meter
Laboratory Information		
Lab. sample ID	:	WA211884/1
Date sample received	:	14/09/2021
Date of calibration	:	16/09/2021
Next calibration date	:	15/12/2021
Test method used	:	In-house comparison method



Tuen Mun, NT Hong Kong

Report No. : 142626WA211884

#### Page 2 of 3

#### **Results:**

#### A. pH calibration

pH reading at 25°C for	Q.C. solution(6.86) and at 25°C	for Q.C. solution(9.18)
Theoretical	Measured	Deviation
9.18	9.19	+0.01
6.86	6.82	-0.04

#### **B.** Salinity calibration

	Salinity, ppt				
Theoretical	Measured	Deviation	Maximum acceptable Deviation		
1	1.00	0.00	± 0.1		
10	9.95	-0.05	± 0.5		
20	19.87	-0.13	± 1.0		
30	29.91	-0.09	± 1.5		
40	39.70	-0.30	± 2.0		

#### C. Dissolved Oxygen calibration

	Dissolved oxygen content, mg/L		
Trial No.	By Titration	By D.O. meter	
1	7.47	7.64	
2	7.85	7.72	
3	7.57	7.76	
Average	7.63	7.71	

Differences of D.O. Content between Wrinkler Titration and D.O. meter should be less than 0.2 mg/L

Certified by Approved Signatory : HO Kin Man, John Assistant General Manager - Laboratories 6/10/201

Date



Hong Kong

#### Report No. : 142626WA211884

#### Page 3 of 3

#### **Results**:

#### D. Temperature calibration

Thermometer reading, °C	Meter reading, °C	
24.40	24.31	

#### E. Turbidity calibration

	Turbidit	y, N.T.U.	
Theoretical	Measured	Deviation	Maximum acceptable Deviation
4	4.20	+0.20	± 0.6
8	8.08	+0.08	± 0.8
40	38.54	-1.46	± 3.0
80	80.26	+0.26	± 4.0

Certified by :

Approved Signatory : HO Kin Man, John Assistant General Manager – Laboratories

Date \*\* End of Report \*\*

en no



Report No.: 142626WA211884(1)

## 

Page 1 of 3

### Report on Calibration of YSI EXO-3 Multi-parameter Water Quality Meter

#### Information Supplied by Client Fugro Technical Services Limited (MCL) Client Rm. 723-726, 7/F, Profit Industrial Building, No. 1-15, Client's address : Kwai Fung Crescent, Kwai Chung, N.T. One YSI EXO-3 Multi-parameter Water Quality Meter Sample description ; Serial No. 19E100634 ÷ Client sample ID Calibration of the YSI EXO-3 Multi-parameter Water Quality Meter : Test required Laboratory Information WA211884/2 : Lab. sample ID 14/09/2021 Date sample received : 16/09/2021 Date of calibration : 15/12/2021 Next calibration date : In-house comparison method Test method used :



Fugro Development Centre 5 Lok Yi Street, Tai Lam Tuen Mun, NT Hong Kong

#### Report No. : 142626WA211884(1)

#### Page 2 of 3

#### **Results**:

#### A. pH calibration

pH reading at 25°C for	Q.C. solution(6.86) and at 25°C	for Q.C. solution(9.18)
Theoretical	Measured	Deviation
9.18	9.15	-0.03
6.86	6.81	-0.05

#### **B.** Salinity calibration

	Salinity, ppt			
Theoretical	Measured	Deviation	Maximum acceptable Deviation	
1	1.00	0.00	± 0.1	
10	9.96	-0.04	± 0.5	
20	19.91	-0.09	± 1.0	
30	29.97	-0.03	± 1.5	
40	39.76	-0.24	± 2.0	

#### C. Dissolved Oxygen calibration

	Dissolved oxygen content, mg/L	
Trial No.	By Titration	By D.O. meter
1	7.50	7.64
2	7.65	7.64
3	7.57	7.61
Average	7.57	7.63

Differences of D.O. Content between Wrinkler Titration and D.O. meter should be less than 0.2 mg/L

Certified by : Approved Signatory : HO Kin Man, John Assistant General Manager - Laboratories 6/10/201 Date :

Note : This report refers only to the sample(s) tested and the result(s) applied to the sample(s) as received.



#### Report No. : 142626WA211884(1)

#### Page 3 of 3

Hong Kong

#### **Results** :

#### D. Temperature calibration

Thermometer reading, °C	Meter reading, °C
23.30	23.31

#### E. Turbidity calibration

Turbidity, N.T.U.			
Theoretical	Measured	Deviation	Maximum acceptable Deviation
4	4.26	+0.26	± 0.6
8	7.61	-0.39	± 0.8
40	39.98	-0.02	± 3.0
80	79.85	-0.15	± 4.0

#### F. Chlorophyll calibration

Chlorophyll reading at 22.4°C for Std. solution (62.5ug/L)		
Theoretical (ug/L) (Tempcompensated)	Measured	Deviation .
66.0	66.1	+0.1

Certified by Approved Signatory : HO Kin Man, John

6/10/2021

Assistant General Manager – Laboratories

\*\* End of Report \*\*



# **CALIBRATION CERTIFICATE**

This document certifies that the instrument detailed below has been calibrated according to Valeport Limited's Standard Procedures, using equipment with calibrations traceable to UKAS or National Standards.

Calibration Certificate Number:	61134
Instrument Type:	MODEL 106
Instrument Serial Number:	67738
Calibrated By:	N.PADDON
Date:	11 <sup>™</sup> NOVEMBER 2019
Signed:	x 236

Full details of the results from the calibration procedure applied to each fitted sensor are available, on request, via email. This summary certificate should be kept with the instrument.



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ISO 9001

ACS 3

OHSAS 18001



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9940 Summers Ridge Road San Diego, CA 92121 Tel: (858) 546-8327 support@sontek.com

# Certificate of Calibration

## **TEST REPORT**

Serial Number	5906	
System Type	M9	
System Orientation	Down	
Compass Type	Sontek	
Compass Offset (degrees)	N/A	
Communications Output	RS232	
Recorder Size (GB)	14.9	
Firmware Version	4.02	
Date Tested	05/23/2017	

### **POWER TEST**

Command Mode (W):	0.17	Range : 0.00 – 0.30
Sleep Mode (W):	N/A	Range : N/A
Ping Mode - 18V (W):	2.67	Range : 1.50 – 3.50
Power Check		PASS

# NOISE TEST

Beam 1 – 3.0 MHz (counts)	95
Beam 2 – 1.0 MHz (counts)	96
Beam 3 – 3.0 MHz (counts)	95
Beam 4 – 1.0 MHz (counts)	101
Beam 5 – 3.0 MHz (counts)	93
Beam 6 – 1.0 MHz (counts)	95
Beam 7 – 3.0 MHz (counts)	91
Beam 8 – 1.0 MHz (counts)	100
Beam Vertical – 500KHz (counts)	88
Noise Test	PASS

#### VERIFICATION

PASS
PASS
PASS
PASS
PASS
PASS
PASS
DONE

#### **OPTIONS**

Bottom Track	Installed	
SmartPulse HD TM	Enabled	
Stationary	Disabled	
GPS Compass Integration	Disabled	
RiverSurveyor	Enabled	
HydroSurveyor	Disabled	

Verified by: ainthasane

This report was generated on 5/24/2017.

ATTENTION: New Warranty Terms as of March 4, 2013:

This system is covered under a two year limited warranty that extends to all parts and labor for any malfunction due to workmanship or errors in the manufacturing process. The warranty is valid only if you properly maintain and operate this system under normal use as outlined in the User's Manual. The warranty does not cover shortcomings that are due to the design, or any incidental damages as a result of errors in the measurements.

SonTek will repair and/or replace, at its sole option, any product established to be defective with a product of like type. CLAIMS FOR LABOR COSTS AND/OR OTHER CHARGES RESULTING FROM THE USE OF SonTek GOODS AND/OR PRODUCTS ARE NOT COVERED BY THIS LIMITED WARRANTY.

SonTek DISCLAIMS ALL EXPRESS WARRANTIES OTHER THAN THOSE CONTAINED ABOVE AND ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. SonTek DISCLAIMS AND WILL NOT BE LIABLE, UNDER ANY CIRCUMSTANCE, IN CONTRACT, TORT OR WARRANTY, FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING BUT NOT LIMITED TO LOST PROFITS, BUSINESS INTERRUPTION LOSSES, LOSS OF GOODWILL, OR LOSS OF BUSINESS OR CUSTOMER RELATIONSHIPS.

If your system is not functioning properly, first try to identify the source of the problem. If additional support is required, we encourage you to contact us immediately. We will work to resolve the problem as quickly as possible.

If the system needs to be returned to the factory, please contact SonTek to obtain a Service Request (SR) number. We reserve the right to refuse receipt of shipments without SRs. We require the system to be shipped back in the original shipping container using the original packing material with all delivery costs covered by the customer (including all taxes and duties). If the system is returned without appropriate packing, the customer will be required to cover the cost of a new packaging crate and material.

The warranty for repairs performed at an authorized SonTek Service Center is one year.

# **Appendix E**

Environmental Monitoring Schedule



Sun	Mon	Tue	Wed	Thur	Fri	Sat
					1	2 <b>WQM</b> Mid Flood(18:00) Mid Ebb(10:33)
3	4	5 <b>AQM, NM</b> <b>WQM</b> Mid Flood(06:26) Mid Ebb(12:58)	6	7 <b>WQM</b> Mid Flood(08:01) Mid Ebb(14:17)	8	9 *WQM (Cancelled)
10	11 <b>AQM, NM</b>	12 **WQM (Cancelled)	13	14 <b>WQM</b> Mid Flood(16:26) Mid Ebb(07:31)	15 <b>EMB</b>	16 <b>AQM</b> <b>WQM</b> Mid Flood(18:02) Mid Ebb(10:34)
17	18	19 ANRM WQM Mid Flood(06:35) Mid Ebb(12:52)	20	21 <b>WQM</b> Mid Flood(07:58) Mid Ebb(13:57)	22 AQM, NM	23 <b>WQM</b> Mid Flood(09:20) Mid Ebb(14:55)
24	31	26 <b>WQM</b> Mid Flood(11:51) Mid Ebb(16:43)	27	28 <b>AQM, NM</b> <b>WQM</b> Mid Flood(18:07) Mid Ebb(05:43)	29	30 <b>WQM</b> Mid Flood(16:30) Mid Ebb(07:57)

# Impact Monitoring Schedule (October 2021)

#### Remarks

1. Air Quality Monitoring (**AQM**): 3 x 1-hour TSP Monitoring per 6 days.

- 2. Noise Monitoring (**NM**): L<sub>eq</sub> (30 min) during between 0700 1900.
- 3. Water Quality Monitoring (**WQM**): Once per day for 3 days per week.
- 4. Ecological Monitoring of Birds (EMB): Once per month.
- 5. Ardeid Night Roost Monitoring (ANRM): Once per month.
- 6. Air Quality Location: AM1 and AM2
- 7. Noise Monitoring Location: CM1, CM2 and CM3
- 8. Water Quality Monitoring Location: M1, M2, M3
- 9. \*Typhoon Signal No. 8 was hoisted on 9 October 2021. Due to safety concerns, the water quality monitoring on 9 October 2021 has been cancelled.
- 10. \*\*Typhoon Signal No. 3 was hoisted on 12 October 2021. Due to safety concerns, the water quality monitoring on 12 October 2021 has been cancelled.



Sun	Mon	Tue	Wed	Thur	Fri	Sat
	1	2 <b>WQM</b> Mid Flood(5:22) Mid Ebb(11:40)	3 <b>AQM, NM</b>	4 <b>WQM</b> Mid Flood(7:05) Mid Ebb(13:10)	5	6 <b>WQM</b> Mid Flood(8:58) Mid Ebb(14:42)
7	8	9 <b>AQM, NM</b> <b>WQM</b> Mid Flood(12:00) Mid Ebb(16:58)	10	11 <b>WQM</b> Mid Flood(18:40) Mid Ebb(6:01)	12	13 <b>WQM</b> Mid Flood(16:38) Mid Ebb(8:40)
14	15 <b>AQM, NM</b>	16 <b>WQM</b> Mid Flood(5:38) Mid Ebb(11:43)	17	18 <b>WQM</b> Mid Flood(7:13) Mid Ebb(12:58)	19	20 AQM WQM Mid Flood(8:46) Mid Ebb(14:05)
21	22	23 <b>WQM</b> Mid Flood(10:59) Mid Ebb(15:46)	24	25 <b>WQM</b> Mid Flood(12:35) Mid Ebb(17:07)	26 AQM, NM	27 <b>WQM</b> Mid Flood(14:39) Mid Ebb(6:13)
28	29	30 <b>WQM</b> Mid Flood(16:42) Mid Ebb(10:02)				

# Impact Monitoring Schedule (November 2021)

#### Remarks

- 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
- 2. Air Quality Monitoring (**AQM**): 3 x 1-hour TSP Monitoring per 6 days.
- 3. Noise Monitoring (**NM**): L<sub>eq</sub> (30 min) during between 0700 1900.
- 4. Water Quality Monitoring (**WQM**): Once per day for 3 days per week.
- 5. Ecological Monitoring of Birds (**EMB**): Once per month.
- 6. Ardeid Night Roost Monitoring (ANRM): Once per month.
- 7. Air Quality Location: AM1 and AM2
- 8. Noise Monitoring Location: CM1, CM2 and CM3
- 9. Water Quality Monitoring Location: M1, M2, M3



#### Wed Fri Sun Mon Tue Thur Sat 2 3 1 4 AQM, NM WQM WQM Mid Flood(8:14) Mid Flood(6:05) Mid Ebb(13:46) Mid Ebb(11:59) 5 6 7 8 9 11 10 WOM WOM WQM AQM, NM Mid Flood(11:01) Mid Flood(14:56) Mid Flood(12:53) Mid Ebb(15:52) Mid Ebb(4:58) Mid Ebb(6:44) 13 14 15 16 17 18 12 AQM, NM WQM WQM WOM Mid Flood(6:32) Mid Flood(8:09) Mid Flood(16:52) Mid Ebb(11:59) Mid Ebb(13:11) Mid Ebb(10:19) 24 25 19 20 21 22 23 AQM, NM WOM WQM AQM WOM Mid Flood(10:11) Mid Flood(11:25) Mid Flood(12:47) Mid Ebb(14:51) Mid Ebb(16:04) Mid Ebb(5:08) 26 27 28 29 30 31 WQM AQM, NM Mid Flood(14:55) WOM Mid Ebb(7:39) Mid Flood(16:18) Mid Ebb(10:43)

# Impact Monitoring Schedule (December 2021)

#### Remarks

- 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
- 2. Air Quality Monitoring (**AQM**): 3 x 1-hour TSP Monitoring per 6 days.
- 3. Noise Monitoring (**NM**): L<sub>eq</sub> (30 min) during between 0700 1900.
- 4. Water Quality Monitoring (**WQM**): Once per day for 3 days per week.
- 5. Ecological Monitoring of Birds (EMB): Once per month.
- 6. Ardeid Night Roost Monitoring (**ANRM**): Once per month.
- 7. Air Quality Location: AM1 and AM2
- 8. Noise Monitoring Location: CM1, CM2 and CM3
- 9. Water Quality Monitoring Location: M1, M2, M3



## Impact Monitoring Schedule (January 2022)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
						1 <b>WQM</b> Mid Flood(7:26) Mid Ebb(12:47)
2	3	4 <b>WQM</b> Mid Flood(10:04) Mid Ebb(14:55)	5 <b>AQM, NM</b>	6 <b>WQM</b> Mid Flood(11:31) Mid Ebb(16:34)	7	8 <b>WQM</b> Mid Flood(13:02) Mid Ebb(18:40)
9	10	11 AQM, NM WQM Mid Flood(15:02) Mid Ebb(7:32)	12	13 <b>WQM</b> Mid Flood(5:41) Mid Ebb(10:41)	14	15 <b>WQM</b> Mid Flood(7:30) Mid Ebb(12:17)
16	17 <b>AQM, NM</b>	18 <b>WQM</b> Mid Flood(9:18) Mid Ebb(13:59)	19	20 <b>WQM</b> Mid Flood(10:19) Mid Ebb(15:09)	21	22 <b>AQM</b> <b>WQM</b> Mid Flood(11:16) Mid Ebb(16:30)
23	24	25 <b>WQM</b> Mid Flood(12:44) Mid Ebb(6:03)	26	27 <b>WQM</b> Mid Flood(14:26) Mid Ebb(8:03)	28 AQM, NM	29 <b>WQM</b> Mid Flood(6:36) Mid Ebb(11:53)
30	31					

#### Remarks

- 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
- 2. Air Quality Monitoring (**AQM**): 3 x 1-hour TSP Monitoring per 6 days.
- 3. Noise Monitoring (**NM**): L<sub>eq</sub> (30 min) during between 0700 1900.
- 4. Water Quality Monitoring (**WQM**): Once per day for 3 days per week.
- 5. Ecological Monitoring of Birds (EMB): Once per month.

- 6. Ardeid Night Roost Monitoring (**ANRM**): Once per month.
- 7. Air Quality Location: AM1 and AM2
- 8. Noise Monitoring Location: CM1, CM2 and CM3
- 9. Water Quality Monitoring Location: M1, M2, M3



# **Appendix F**

Monitoring Results



Air Quality Monitoring Results



### 1-hour TSP Monitoring Result for

#### Contract No. SPW 07/2020

### Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

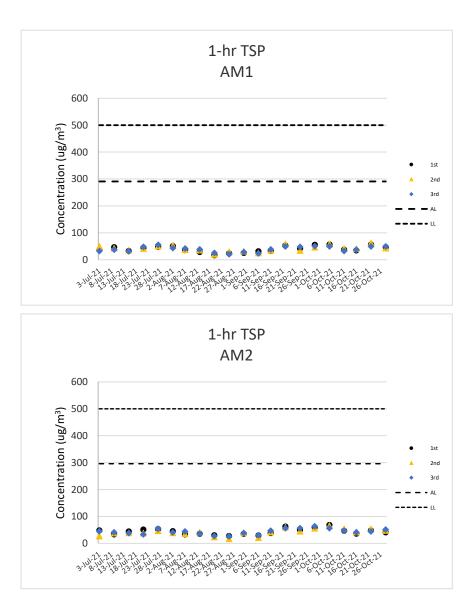
-		-	1	1-hour TSP (μg/m³)			
Date	Weather	Start	1st	2nd	3rd	Action Level	Limit Level
	Condition	Time	Measurement	Measurement	Measurement	(ug/m <sup>3</sup> )	(ug/m <sup>3</sup> )
5-Oct-21	Fine	8:32	57	59	50		
11-Oct-21	Fine	8:42	38	42	33		
16-Oct-21	Cloudy	8:43	35	41	38	291	500
22-Oct-21	Cloudy	8:31	57	63	50		
28-Oct-21	Fine	8:36	47	44	50		
-		Min		33			
		Max		63			
		Average		47			

#### AM1 - Topfine Machinery (China) Co. Ltd.

#### AM2 - Squatter house at the west of Yuen Long STW

			1	3)			
Date	Weather	Start	1st	2nd	3rd	Action Level	Limit Level
	Condition	Time	Measurement	Measurement	Measurement	(ug/m <sup>3</sup> )	(ug/m <sup>3</sup> )
5-Oct-21	Fine	8:48	68	66	56		
11-Oct-21	Fine	8:57	47	54	47		
16-Oct-21	Cloudy	8:58	36	42	41	296	500
22-Oct-21	Cloudy	8:43	48	54	44		
28-Oct-21	Fine	8:51	41	48	51		
		Min		36			
		Max		68			
		Average		50			

Note: <u>Underline</u>: Exceedance of Action Level <u>Underline and Bold</u>: Exceedance of Limit Level



Noise Monitoring Results



#### Noise Impact Monitoring Result for Contract No. SPW 07/2020 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Dete	Otant Time	L <sub>eq</sub> 30min			Wind Speed		Limit Level
Date	Start Time	dB(A)	dB(A)	dB(A)	(m/s)	Weather	dB(A)
5-Oct-21	10:11	54	55	51	0.1	Fine	75
11-Oct-21	10:29	53	54	50	0.4	Fine	75
22-Oct-21	10:06	60	65	51	0.3	Cloudy	75
28-Oct-21	10:28	60	64	51	0.2	Fine	75
	Max	60					
	Min	53					

#### CM1 - Squatter house to the north of YLSTW

CM2 - Squatter house to the west of YLSTW

		L <sub>eq</sub> 30min	L <sub>10</sub>	L <sub>90</sub>	Wind Speed		Limit Level
Date	Start Time	dB(A)	dB(A)	dB(A)	(m/s)	Weather	dB(A)
5-Oct-21	8:55	62	66	56	0.2	Fine	75
11-Oct-21	9:08	60	63	54	0.5	Fine	75
22-Oct-21	8:49	65	69	62	0.4	Cloudy	75
28-Oct-21	8:59	66	71	61	0.2	Fine	75
	Max	66					
	Min	60					

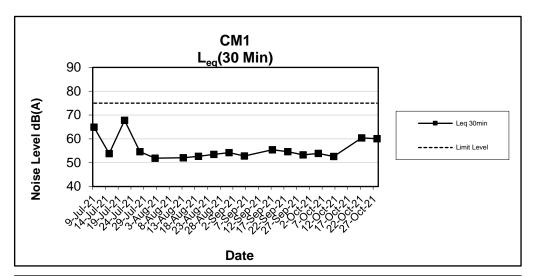
#### CM3 - Squatter house to the east of YLSTW

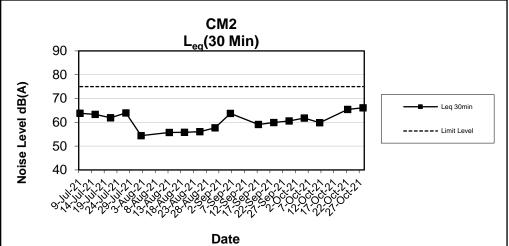
Date	Start Time	L <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
5-Oct-21	11:29	61	65	56	0.4	Fine	75
11-Oct-21	13:01	59	63	55	0.4	Fine	75
22-Oct-21	11:27	63	68	56	0.4	Cloudy	75
28-Oct-21	13:05	63	68	57	0.3	Fine	75
	Max	63					
	Min	59					

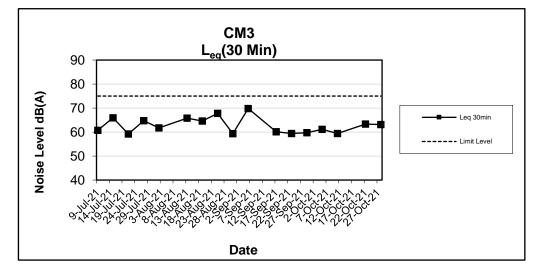
Note:

CM1, CM2 and CM3: Free-field measurement (+3dB(A) correction has been applied).

No raining or wind with speed over 5 m/s was observed during noise monitoring according to the onsite observation.







Water Quality Monitoring Results



									0							In-situ Me	asurement							Laborator	y Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Current Speed (m/s)	Current Direction (°)	р	н	Sal (p			erature ee C)	DO Sat (%		D (mg	O g/L)	Turb (N1		Total Sus Sol (mg	lids
										Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	2/10/2021	Mid-Flood	Fine	Moderate	18:16	1.6	М	0.8	1	0.024	266	7.23	7.26	5.06	5.07	31.49	31.50	30.4	30.5	2.18	2.20	13.4	13.4	10	10
M1	2/10/2021	Mid-Flood	Fine	Moderate	18:16	1.6	М	0.8	2	0.024	200	7.29	7.20	5.07	5.07	31.50	31.50	30.6	30.5	2.21	2.20	13.4	13.4	9	10
M2	2/10/2021	Mid-Flood	Fine	Moderate	18:01	1.4	М	0.7	1	0.116	6	7.21	7.22	5.59	5.59	31.36	31.37	41.6	41.8	2.98	3.00	23.1	23.1	24	23
M2	2/10/2021	Mid-Flood	Fine	Moderate	18:01	1.4	М	0.7	2	0.110	0	7.22	1.22	5.58	5.55	31.37	51.57	41.9	41.0	3.02	3.00	23.0	23.1	21	23
M3	2/10/2021	Mid-Flood	Cloudy	Calm	18:03	0.4	М	0.2	1	0.093	83	7.41	7.42	5.46	5.46	31.70	31.72	49.9	49.6	3.74	3.72	32.2	32.3	38	36
M3	2/10/2021	Mid-Flood	Cloudy	Calm	18:03	0.4	М	0.2	2	0.093	05	7.42	7.42	5.45	5.40	31.73	31.72	49.2	45.0	3.69	3.72	32.4	52.5	34	30
M1	2/10/2021	Mid-Ebb	Fine	Moderate	10:35	0.8	М	0.4	1	0.063	176	7.06	7.05	5.78	5.78	31.89	31.89	36.7	36.8	2.64	2.66	33.0	33.0	15	16
M1	2/10/2021	Mid-Ebb	Fine	Moderate	10:35	0.8	М	0.4	2	0.003	1/0	7.04	7.05	5.77	5.70	31.88	51.05	36.9	50.0	2.67	2.00	33.0	55.0	16	10
M2	2/10/2021	Mid-Ebb	Fine	Moderate	10:54	0.9	М	0.45	1	0.108	78	7.13	7.14	5.69	5.68	32.01	32.01	40.4	40.6	3.11	3.14	21.2	21.2	24	23
M2	2/10/2021	Mid-Ebb	Fine	Moderate	10:54	0.9	М	0.45	2	0.100	70	7.14	7.14	5.67	5.00	32.01	32.01	40.7	40.0	3.16	5.14	21.2	21.2	22	23
M3	2/10/2021	Mid-Ebb	Cloudy	Calm	10:41	0.6	М	0.3	1	0.252	268	7.20	7.20	4.78	4.79	30.97	30.97	57.4	57.8	4.28	4.31	25.1	25.7	26	28
M3	2/10/2021	Mid-Ebb	Cloudy	Calm	10:41	0.6	М	0.3	2	0.232	200	7.19	7.20	4.79	4.75	30.97	50.57	58.1	57.0	4.33	4.51	26.3	20.1	30	20
Remark													For Flood	Tide											

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)

2. Red and Bold: Limit Level Exceedance (For Impact Station Only)

3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.

4. Limti Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.

5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.

Monitoring	0	0	N	TU	5	iS
Location	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74.3	78.0	104	167
For Ebb Tide						

Monitoring	0	0	N	TU	S	iS
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

									0							In-situ Me	asurement							Laborator	y Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Current Speed (m/s)	Current Direction (°)	р	н	Sali (p			erature ee C)	DO Sat (%		D (mg		Turb (N1	idity ⁻U)	Total Sus Sol (mg	lids
										Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	5/10/2021	Mid-Flood	Fine	Moderate	6:37	2.2	М	1.1	1	0.241	195	7.49	7.49	9.90	9.90	29.09	29.09	74.9	74.4	5.37	5.32	16.6	16.7	22	21
M1	5/10/2021	Mid-Flood	Fine	Moderate	6:37	2.2	М	1.1	2	0.241	155	7.49	7.49	9.90	9.90	29.08	29.09	73.8	74.4	5.26	0.32	16.7	10.7	20	21
M2	5/10/2021	Mid-Flood	Fine	Moderate	6:53	1.2	М	0.6	1	0.269	282	7.45	7.44	8.10	8.10	29.74	29.74	61.8	61.7	4.46	4.45	14.3	14.7	19	20
M2	5/10/2021	Mid-Flood	Fine	Moderate	6:53	1.2	М	0.6	2	0.205	202	7.43	7.44	8.09	0.10	29.74	29.74	61.5	01.7	4.44	4.45	15.1	14.7	20	20
M3	5/10/2021	Mid-Flood	Fine	Smooth	6:51	0.8	М	0.4	1	0.26	68	7.34	7.34	7.52	7.53	28.86	28.87	63.2	63.8	4.53	4.57	20.4	20.6	24	25
M3	5/10/2021	Mid-Flood	Fine	Smooth	6:51	0.8	М	0.4	2	0.20	00	7.33	7.34	7.53	1.55	28.87	20.07	64.4	03.0	4.60	4.37	20.8	20.6	26	25
M1	5/10/2021	Mid-Ebb	Fine	Moderate	13:13	2	М	1	1	0.171	229	7.30	7.31	7.98	7.99	30.61	30.62	70.2	70.2	4.97	4.97	19.4	19.3	30	29
M1	5/10/2021	Mid-Ebb	Fine	Moderate	13:13	2	М	1	2	0.171	225	7.31	7.51	7.99	1.55	30.62	30.02	70.1	70.2	4.97	4.57	19.2	19.5	28	23
M2	5/10/2021	Mid-Ebb	Fine	Moderate	12:58	1	М	0.5	1	0.187	257	7.32	7.32	6.91	6.91	30.31	30.31	54.5	54.4	3.97	3.96	18.2	18.4	20	20
M2	5/10/2021	Mid-Ebb	Fine	Moderate	12:58	1	М	0.5	2	0.107	257	7.31	7.52	6.90	0.91	30.30	30.31	54.3	5	3.95	5.50	18.6	10.4	19	20
M3	5/10/2021	Mid-Ebb	Fine	Smooth	13:02	0.6	М	0.3	1	0.189	242	7.17	7.17	5.25	5.26	29.81	29.82	57.4	57.5	4.14	4.15	26.1	25.8	28	27
M3	5/10/2021	Mid-Ebb	Fine	Smooth	13:02	0.6	М	0.3	2	0.169	242	7.17	1.17	5.26	5.20	29.83	23.02	57.5	57.5	4.15	4.15	25.5	23.0	26	21
Remark													For Flood	Tide											

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)

2. Red and Bold: Limit Level Exceedance (For Impact Station Only)

3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.

4. Limti Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.

5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.

T of Theorem That						
Monitoring	0	0	N	TU		SS
Location	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74.3	78.0	104	167
For Ebb Tide						

Monitoring	C	0	N	TU	S	S
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

									0							In-situ Me	asurement							Laborator	y Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Current Speed (m/s)	Current Direction (°)	p	н	Sali (p			erature ee C)	DO Sat (%		Di (mg		Turb (N1	idity ⁻U)	Total Sus Sol (mg	lids
										Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	7/10/2021	Mid-Flood	Cloudy	Moderate	8:06	2.4	М	1.2	1	0.214	238	7.51	7.51	12.53	12.53	28.69	28.70	66.8	66.7	4.82	4.82	18.6	18.6	13	12
M1	7/10/2021	Mid-Flood	Cloudy	Moderate	8:06	2.4	М	1.2	2	0.214	230	7.50	7.51	12.53	12.55	28.71	20.70	66.6	00.7	4.81	4.02	18.6	10.0	13	13
M2	7/10/2021	Mid-Flood	Cloudy	Moderate	8:21	1.2	М	0.6	1	0.197	314	7.40	7.41	11.32	11.33	28.44	28.44	64.4	64.3	4.75	4.75	12.9	12.9	18	20
M2	7/10/2021	Mid-Flood	Cloudy	Moderate	8:21	1.2	М	0.6	2	0.157	514	7.41	7.41	11.33	11.55	28.43	20.44	64.2	04.5	4.74	4.75	12.9	12.5	21	20
M3	7/10/2021	Mid-Flood	Fine	Moderate	8:20	1.4	М	0.7	1	0.046	122	7.31	7.25	7.62	7.62	29.35	29.37	60.7	59.8	4.45	4.39	26.5	26.5	45	45
M3	7/10/2021	Mid-Flood	Fine	Moderate	8:20	1.4	М	0.7	2	0.040	122	7.19	1.23	7.62	7.02	29.38	23.37	58.9	55.0	4.32	4.55	26.5	20.5	44	43
M1	7/10/2021	Mid-Ebb	Cloudy	Moderate	14:40	2.2	М	1.1	1	0.28	175	7.18	7.20	10.33	10.34	29.53	29.54	72.2	72.4	5.32	5.34	15.0	15.1	21	20
M1	7/10/2021	Mid-Ebb	Cloudy	Moderate	14:40	2.2	М	1.1	2	0.20	1/5	7.21	1.20	10.34	10.54	29.54	23.34	72.6	72.4	5.35	5.54	15.3	13.1	19	20
M2	7/10/2021	Mid-Ebb	Cloudy	Moderate	14:22	1	М	0.5	1	0.251	291	7.25	7.26	9.83	9.83	29.49	29.50	68.0	67.9	4.96	4.95	16.5	16.5	23	23
M2	7/10/2021	Mid-Ebb	Cloudy	Moderate	14:22	1	М	0.5	2	0.251	251	7.26	7.20	9.83	5.05	29.51	23.30	67.7	07.5	4.93	4.55	16.5	10.5	22	25
M3	7/10/2021	Mid-Ebb	Fine	Moderate	14:26	0.9	М	0.45	1	0.108	79	7.19	7.17	7.66	7.66	28.71	28,71	57.6	57.9	4.37	4.39	24.6	24.6	35	36
M3	7/10/2021	Mid-Ebb	Fine	Moderate	14:26	0.9	М	0.45	2	0.108	75	7.14	7.17	7.65	7.00	28.71	20.71	58.2	57.5	4.41	4.55	24.6	24.0	37	30
Remark													For Flood	Tide											

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5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.

T of Theorem That						
Monitoring	0	0	N	TU	5	SS
Location	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74.3	78.0	104	167
For Ebb Tide						

Monitoring	C	0	N	TU	S	S
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

									0							In-situ Me	asurement							Laborator	y Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Current Speed (m/s)	Current Direction (°)	p	н	Sal (p	inity pt)		erature ee C)	DO Sat (%		D (mg		Turk (N	idity ⁻U)	Total Su So (mg	
										Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	14/10/2021	Mid-Flood	Fine	Moderate	16:50	1.2	М	0.6	1	0.086	122	7.19	7.19	0.25	0.26	26.31	26.32	73.2	73.7	5.89	5.91	27.3	27.3	27	28
M1	14/10/2021	Mid-Flood	Fine	Moderate	16:50	1.2	М	0.6	2	0.000	122	7.18	7.15	0.27	0.20	26.32	20.32	74.1	75.7	5.92	5.51	27.3	21.5	29	20
M2	14/10/2021	Mid-Flood	Fine	Moderate	16:32	1.4	М	0.7	1	0.071	43.8	7.09	7.09	0.31	0.32	26.18	26.19	60.9	60.7	4.92	4.90	34.8	34.8	28	28
M2	14/10/2021	Mid-Flood	Fine	Moderate	16:32	1.4	М	0.7	2	0.071	45.0	7.08	7.05	0.32	0.52	26.19	20.15	60.4	00.7	4.87	4.50	34.8	34.0	28	20
M3	14/10/2021	Mid-Flood	Cloudy	Smooth	16:32	0.4	М	0.2	1	0.241	82	7.04	7.03	0.60	0.60	27.18	27.19	43.2	43.0	3.48	3.46	44.2	43.8	19	19
M3	14/10/2021	Mid-Flood	Cloudy	Smooth	16:32	0.4	М	0.2	2	0.241	02	7.02	7.05	0.59	0.00	27.19	27.15	42.7	43.0	3.44	3.40	43.5	43.0	19	13
M1	14/10/2021	Mid-Ebb	Fine	Moderate	7:44	0.6	М	0.3	1	0.018	133	7.06	7.08	0.20	0.21	25.99	25.99	62.7	62.6	5.04	5.05	28.4	28.4	41	40
M1	14/10/2021	Mid-Ebb	Fine	Moderate	7:44	0.6	М	0.3	2	0.018	155	7.09	7.00	0.21	0.21	25.99	23.35	62.4	02.0	5.06	5.05	28.4	20.4	38	40
M2	14/10/2021	Mid-Ebb	Fine	Moderate	8:00	0.8	М	0.4	1	0.053	77	6.98	6.99	0.28	0.29	26.06	26.06	56.4	56.6	4.57	4.58	31.7	31.7	31	29
M2	14/10/2021	Mid-Ebb	Fine	Moderate	8:00	0.8	М	0.4	2	0.000		6.99	0.99	0.29	0.29	26.06	20.00	56.8	50.0	4.59	4.00	31.7	51.7	26	23
M3	14/10/2021	Mid-Ebb	Cloudy	Smooth	7:45	0.6	М	0.3	1	0.182	265	7.27	7.27	0.38	0.38	26.09	26.08	55.1	54.8	4.45	4.43	31.2	31.4	34	36
M3	14/10/2021	Mid-Ebb	Cloudy	Smooth	7:45	0.6	М	0.3	2	0.162	205	7.26	1.21	0.38	0.30	26.07	20.00	54.5	54.0	4.40	4.43	31.6	51.4	38	50
Remark													For Flood	Tide											

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Monitoring	D	0	N	TU	5	ŝS
Location	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74.3	78.0	104	167
For Ebb Tide						
Monitoring	D	0	N	TU	ç	S

Monitoring	D	0	N	TU	S	iS
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

									0							In-situ Me	asurement							Laborator	y Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Current Speed (m/s)	Current Direction (°)	F	эΗ	Sal (p	inity pt)		erature ee C)	DO Sat (%		D (mg		Turk (N	idity ⁻U)	Total Su So (mg	lids
										Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	16/10/2021	Mid-Flood	Fine	Moderate	18:38	1.3	М	0.65	1	0.108	78	7.04	7.05	3.92	3.93	27.60	27.62	45.3	45.6	3.50	3.56	27.2	27.2	25	25
M1	16/10/2021	Mid-Flood	Fine	Moderate	18:38	1.3	М	0.65	2	0.100	,0	7.05	7.05	3.94	3.55	27.64	27.02	45.9	45.0	3.61	3.50	27.2	21.2	25	23
M2	16/10/2021	Mid-Flood	Fine	Moderate	18:19	1.1	М	0.55	1	0.045	83	6.85	6.87	2.72	2.76	27.23	27.23	39.1	39.4	3.03	3.07	21.8	21.8	43	41
M2	16/10/2021	Mid-Flood	Fine	Moderate	18:19	1.1	М	0.55	2	0.045	05	6.88	0.07	2.79	2.70	27.22	21.25	39.7	55.4	3.11	3.07	21.9	21.0	38	-+1
M3	16/10/2021	Mid-Flood	Cloudy	Calm	18:05	0.4	М	0.2	1	0.261	70	7.29	7.29	2.84	2.85	28.13	28.13	58.5	58.4	4.21	4.20	26.0	26.1	31	30
M3	16/10/2021	Mid-Flood	Cloudy	Calm	18:05	0.4	M	0.2	2	0.201	70	7.28	1.23	2.85	2.00	28.12	20.15	58.3	50.4	4.19	4.20	26.2	20.1	29	30
M1	16/10/2021	Mid-Ebb	Fine	Moderate	10:41	0.9	М	0.45	1	0.086	189	6.87	6.88	2.76	2.77	27.21	27.21	39.1	39.4	3.24	3.26	29.3	29.3	33	33
M1	16/10/2021	Mid-Ebb	Fine	Moderate	10:41	0.9	М	0.45	2	0.080	105	6.89	0.00	2.78	2.11	27.20	27.21	39.7	55.4	3.28	3.20	29.3	23.3	33	33
M2	16/10/2021	Mid-Ebb	Fine	Moderate	10:59	0.8	М	0.4	1	0.061	73	7.04	7.05	3.58	3.59	27.60	27.62	45.4	45.7	3.51	3.55	27.0	27.0	29	30
M2	16/10/2021	Mid-Ebb	Fine	Moderate	10:59	0.8	М	0.4	2	0.001	73	7.05	7.05	3.59	5.59	27.64	21.02	45.9	43.7	3.59	5.55	27.0	27.0	30	30
M3	16/10/2021	Mid-Ebb	Cloudy	Calm	10:38	0.6	М	0.3	1	0.222	243	6.80	6.81	1.76	1.76	27.01	27.02	44.2	44.1	3.49	3.48	21.5	21.4	28	29
M3	16/10/2021	Mid-Ebb	Cloudy	Calm	10:38	0.6	М	0.3	2	0.222	245	6.82	0.01	1.76	1.70	27.02	21.02	44.0	44.1	3.47	3.40	21.4	21.4	29	23
Remark													For Flood	Tide											

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Monitoring	D	0	N	TU	5	S
Location	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74.3	78.0	104	167
For Ebb Tide						
Monitoring	D	0	N	TU	S	S

Monitoring	D	0	N	TU	S	iS
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

									0							In-situ Mea	asurement							Laborator	y Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Current Speed (m/s)	Current Direction (°)	p	н	Sal (p	inity pt)	Tempe (degr	erature ee C)	DO Sat (%		D (mg		Turk (N	idity 'U)	Total Su Sol (mg	lids
										Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	19/10/2021	Mid-Flood	Fine	Moderate	6:51	1.1	М	0.55	1	0.084	126	6.92	6.93	4.76	4.77	26.04	26.05	37.4	36.8	2.96	2.85	13.7	13.7	18	17
M1	19/10/2021	Mid-Flood	Fine	Moderate	6:51	1.1	М	0.55	2	0.004	120	6.94	0.55	4.77	4.77	26.05	20.00	36.2	50.0	2.73	2.05	13.7	13.7	16	
M2	19/10/2021	Mid-Flood	Fine	Moderate	7:11	1.2	М	0.6	1	0.055	76	6.95	6.97	2.64	2.65	25.83	25.83	39.4	39.5	3.11	3.13	11.2	11.2	9	10
M2	19/10/2021	Mid-Flood	Fine	Moderate	7:11	1.2	М	0.6	2	0.055	70	6.99	0.57	2.66	2.05	25.83	20.00	39.5	55.5	3.14	5.15	11.2	11.2	10	10
M3	19/10/2021	Mid-Flood	Fine	Calm	6:55	0.8	М	0.4	1	0.141	81	7.27	7.27	3.19	3.20	25.10	25.11	42.8	43.0	3.41	3.42	12.4	12.4	14	14
M3	19/10/2021	Mid-Flood	Fine	Calm	6:55	0.8	M	0.4	2	0.141	01	7.27	1.21	3.20	5.20	25.11	23.11	43.1	43.0	3.43	3.42	12.3	12.4	13	14
M1	19/10/2021	Mid-Ebb	Fine	Moderate	13:15	0.7	М	0.35	1	0.104	13	6.94	6.97	2.65	2.66	28.22	28.23	41.2	41.2	3.38	3.37	11.3	11.3	14	14
M1	19/10/2021	Mid-Ebb	Fine	Moderate	13:15	0.7	М	0.35	2	0.104	13	6.99	0.57	2.66	2.00	28.24	20.25	41.1	41.2	3.35	3.37	11.3	11.5	14	14
M2	19/10/2021	Mid-Ebb	Fine	Moderate	12:56	0.9	М	0.45	1	0.046	313	7.08	7.09	3.22	3.23	27.14	27.15	38.7	38.5	3.06	3.04	13.7	13.7	10	10
M2	19/10/2021	Mid-Ebb	Fine	Moderate	12:56	0.9	М	0.45	2	0.040	515	7.09	7.09	3.24	3.23	27.16	21.15	38.2	30.5	3.01	5.04	13.7	13.7	10	10
M3	19/10/2021	Mid-Ebb	Fine	Calm	12:56	0.4	М	0.2	1	0.184	254	6.99	6.98	2.07	2.08	26.35	26.35	45.2	45.2	3.57	3.57	16.0	16.0	16	16
M3	19/10/2021	Mid-Ebb	Fine	Calm	12:56	0.4	М	0.2	2	0.164	234	6.97	0.90	2.09	2.00	26.34	20.33	45.1	43.2	3.56	5.57	16.0	10.0	16	10
Remark													For Flood	Tide											

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Monitoring	D	0	N	TU	5	S
Location	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74.3	78.0	104	167
For Ebb Tide						
Monitoring	D	0	N	TU	5	is

Monitoring	D	0	N	TU	S	iS
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

									0							In-situ Me	asurement							Laborator	y Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Current Speed (m/s)	Current Direction (°)	p	н	Sali (p	inity pt)		erature ee C)	DO Sat (%		D (m	0 g/L)	Turb (N1	oidity ΓU)	Total Sus Sol (mg	lids
										Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	21/10/2021	Mid-Flood	Cloudy	Smooth	8:07	2.2	М	1.1	1	0.225	279	6.93	6.94	5.83	5.84	27.50	27.50	37.3	37.7	2.91	2.94	16.4	17.5	14	14
M1	21/10/2021	Mid-Flood	Cloudy	Smooth	8:07	2.2	М	1.1	2	0.225	215	6.94	0.34	5.84	5.04	27.50	27.50	38.1	51.1	2.97	2.54	18.7	17.5	13	14
M2	21/10/2021	Mid-Flood	Cloudy	Smooth	8:27	1.2	М	0.6	1	0.242	204	7.06	7.05	6.15	6.15	27.22	27.23	35.9	36.1	2.82	2.84	21.1	21.6	10	10
M2	21/10/2021	Mid-Flood	Cloudy	Smooth	8:27	1.2	М	0.6	2	0.242	204	7.03	7.05	6.14	0.15	27.24	21.25	36.3	30.1	2.85	2.04	22.1	21.0	10	10
M3	21/10/2021	Mid-Flood	Fine	Moderate	8:10	1.4	М	0.7	1	0.093	196	7.24	7.23	4.44	4.41	27.04	27.04	41.9	43.4	3.67	3.80	14.3	14.3	18	18
M3	21/10/2021	Mid-Flood	Fine	Moderate	8:10	1.4	М	0.7	2	0.055	190	7.22	1.23	4.37	4.41	27.04	27.04	44.8	43.4	3.92	3.00	14.3	14.5	18	10
M1	21/10/2021	Mid-Ebb	Cloudy	Smooth	13:58	2	М	1	1	0.145	215	7.14	7.14	4.52	4.53	26.90	26.91	42.3	42.0	3.28	3.26	16.5	16.8	9	10
M1	21/10/2021	Mid-Ebb	Cloudy	Smooth	13:58	2	М	1	2	0.145	215	7.14	7.14	4.54	4.55	26.91	20.31	41.7	42.0	3.24	3.20	17.2	10.0	11	10
M2	21/10/2021	Mid-Ebb	Cloudy	Smooth	14:13	1.2	М	0.6	1	0.178	242	7.18	7.18	5.21	5.22	26.77	26.76	40.1	39.9	3.13	3.11	14.9	15.2	19	19
M2	21/10/2021	Mid-Ebb	Cloudy	Smooth	14:13	1.2	М	0.6	2	0.170	242	7.17	7.10	5.22	5.22	26.75	20.70	39.6	35.5	3.09	5.11	15.5	13.2	17	10
M3	21/10/2021	Mid-Ebb	Fine	Moderate	14:00	0.4	М	0.2	1	0.134	47	7.20	7.21	4.52	4.55	27.03	27.03	46.1	46.2	4.03	4.04	14.9	14.9	18	19
M3	21/10/2021	Mid-Ebb	Fine	Moderate	14:00	0.4	М	0.2	2	0.134	47	7.21	1.21	4.57	4.55	27.03	27.05	46.2	40.2	4.05	4.04	14.9	14.5	18	10
Remark													For Flood	Tide											

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Monitoring	D	0	N	TU	5	SS
Location	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74.3	78.0	104	167
For Ebb Tide						
Monitoring	D	0	N	TU	5	SS

Monitoring	D	0	N	TU	5	iS
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

									0							In-situ Mea	asurement							Laborator	y Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Current Speed (m/s)	Current Direction (°)	p	н	Sal (p	inity pt)	Tempe (degr	erature ee C)	DO Sat (%		D (mg		Turk (N	idity ⁻U)	Total Su So (mg	lids
										Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	23/10/2021	Mid-Flood	Fine	Moderate	9:37	1.2	М	0.6	1	0.046	119	6.91	6.92	3.44	3.40	21.41	21.41	37.6	37.0	2.87	2.81	18.0	17.9	27	30
M1	23/10/2021	Mid-Flood	Fine	Moderate	9:37	1.2	М	0.6	2	0.040	115	6.92	0.32	3.36	5.40	21.42	21.41	36.4	57.0	2.74	2.01	17.9	17.5	32	50
M2	23/10/2021	Mid-Flood	Fine	Moderate	9:53	1.1	М	0.55	1	0.06	188	7.07	7.06	3.38	3.38	21.72	21.73	38.9	38.8	2.99	2.97	16.5	16.5	23	24
M2	23/10/2021	Mid-Flood	Fine	Moderate	9:53	1.1	М	0.55	2	0.00	100	7.04	7.00	3.37	5.50	21.73	21.75	38.6	50.0	2.94	2.57	16.6	10.5	24	24
M3	23/10/2021	Mid-Flood	Cloudy	Calm	9:23	0.4	М	0.2	1	0.161	88	7.02	7.02	2.66	2.66	21.67	21.68	42.2	42.1	3.65	3.64	22.7	22.8	17	17
M3	23/10/2021	Mid-Flood	Cloudy	Calm	9:23	0.4	М	0.2	2	0.101	00	7.01	1.02	2.65	2.00	21.69	21.00	41.9	42.1	3.63	5.04	22.9	22.0	16	17
M1	23/10/2021	Mid-Ebb	Fine	Moderate	15:10	1	М	0.5	1	0.058	321	7.04	7.05	4.57	4.54	21.93	22.14	40.7	40.8	3.12	3.13	19.3	19.3	27	26
M1	23/10/2021	Mid-Ebb	Fine	Moderate	15:10	1	М	0.5	2	0.058	321	7.05	7.05	4.51	4.54	22.34	22.14	40.9	40.0	3.14	5.15	19.3	13.5	24	20
M2	23/10/2021	Mid-Ebb	Fine	Moderate	14:55	0.9	М	0.45	1	0.065	194	7.02	7.02	4.05	4.06	21.86	21.90	36.1	37.2	2.84	2.92	18.4	18.4	10	10
M2	23/10/2021	Mid-Ebb	Fine	Moderate	14:55	0.9	М	0.45	2	0.000	194	7.01	1.02	4.06	4.00	21.94	21.90	38.2	51.2	2.99	2.92	18.3	10.4	9	10
M3	23/10/2021	Mid-Ebb	Cloudy	Calm	14:58	0.6	М	0.3	1	0.191	274	7.13	7.13	1.98	1.99	22.93	22.93	39.5	39.1	3.40	3.37	17.9	17.9	21	21
M3	23/10/2021	Mid-Ebb	Cloudy	Calm	14:58	0.6	М	0.3	2	0.191	2/4	7.13	1.13	1.99	1.99	22.92	22.93	38.6	33.1	3.33	5.57	17.8	17.0	21	21
Remark													For Flood	Tide											

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)

2. Red and Bold: Limit Level Exceedance (For Impact Station Only)

3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.

4. Limti Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.

5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.

Monitoring	D	0	N	TU	SS				
Location	AL	LL	AL	LL	AL	LL			
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112			
M3(Impact Station)	3.28	3.14	74.3	78.0	104	167			
For Ebb Tide									
Monitoring	D	0	N	TU	SS				

Monitoring	D	0	N	TU	S	SS
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

									0							In-situ Me	asurement							Laborator	y Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Current Speed (m/s)	Current Direction (°)	p	н	Sali (p	inity pt)		erature ee C)	DO Sat (%		D (mg	0 g/L)	Turk (N	oidity ΓU)	Total Su Sol (mg	lids
										Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	26/10/2021	Mid-Flood	Fine	Smooth	12:02	2	М	1	1	0.261	318	7.04	7.04	3.94	3.93	24.24	24.25	37.1	36.8	3.06	3.03	15.5	15.8	20	21
M1	26/10/2021	Mid-Flood	Fine	Smooth	12:02	2	М	1	2	0.201	510	7.03	7.04	3.92	5.55	24.26	24.25	36.5	30.0	3.00	3.05	16.1	15.0	22	21
M2	26/10/2021	Mid-Flood	Fine	Smooth	12:19	1	М	0.5	1	0.229	180	7.12	7.12	3.69	3.69	24.17	24.17	38.0	37.9	3.14	3.13	13.6	13.5	19	10
M2	26/10/2021	Mid-Flood	Fine	Smooth	12:19	1	М	0.5	2	0.225	100	7.11	7.12	3.69	3.05	24.16	24.17	37.8	57.5	3.12	5.15	13.4	15.5	18	15
M3	26/10/2021	Mid-Flood	Fine	Moderate	11:50	1.4	М	0.7	1	0.068	144	7.20	7.21	2.71	2.73	24.23	24.23	40.6	40.7	3.67	3.69	13.1	13.2	22	23
M3	26/10/2021	Mid-Flood	Fine	Moderate	11:50	1.4	M	0.7	2	0.008	144	7.21	1.21	2.74	2.75	24.23	24.25	40.8	40.7	3.71	3.05	13.2	13.2	23	23
M1	26/10/2021	Mid-Ebb	Fine	Smooth	17:08	2.2	М	1.1	1	0.223	260	7.21	7.22	3.02	3.02	25.33	25.34	52.8	52.7	4.34	4.34	26.4	26.3	31	31
M1	26/10/2021	Mid-Ebb	Fine	Smooth	17:08	2.2	М	1.1	2	0.225	200	7.22	1.22	3.01	5.02	25.35	23.34	52.6	52.7	4.33	4.54	26.3	20.5	30	51
M2	26/10/2021	Mid-Ebb	Fine	Smooth	16:50	1.2	М	0.6	1	0.196	221	7.29	7.29	2.84	2.85	25.29	25.29	59.6	59.5	4.90	4.89	24.0	23.8	21	20
M2	26/10/2021	Mid-Ebb	Fine	Smooth	16:50	1.2	М	0.6	2	0.190	221	7.28	1.29	2.85	2.00	25.29	23.29	59.3	59.5	4.88	4.09	23.6	23.0	19	20
M3	26/10/2021	Mid-Ebb	Fine	Moderate	16:55	0.9	М	0.45	1	0.116	72	7.16	7.15	2.83	2.84	25.19	25.21	46.8	46.5	3.92	3.89	14.7	14.7	22	22
M3	26/10/2021	Mid-Ebb	Fine	Moderate	16:55	0.9	М	0.45	2	0.110	12	7.14	7.15	2.84	2.04	25.23	23.21	46.1	40.5	3.86	3.05	14.8	14.7	22	22
Remark													For Flood	Tide											

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)

2. Red and Bold: Limit Level Exceedance (For Impact Station Only)

3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.

4. Limti Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.

5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.

6. Limti Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

#### Monitoring DO NTU SS Location AL LL AL LL AL LL M2(Impact Station) 1.88 1.79 43.0 52.4 81 112 M3(Impact Station) 3.28 3.14 74.3 78.0 104 167 For Ebb Tide

Monitoring	D	0	N	TU	S	S
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

									0							In-situ Me	asurement							Laborator	y Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Current Speed (m/s)	Current Direction (°)	p	н	Sal (p	inity pt)		erature ee C)	DO Sat (%		D (mg		Turk (N	idity ⁻U)	Total Su Sol (mg	lids
										Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	28/10/2021	Mid-Flood	Fine	Moderate	18:27	1.3	М	0.65	1	0.076	348	7.04	7.05	6.54	6.55	26.94	26.93	35.4	35.5	2.78	2.79	17.7	17.8	27	26
M1	28/10/2021	Mid-Flood	Fine	Moderate	18:27	1.3	М	0.65	2	0.070	540	7.05	7.05	6.55	0.55	26.91	20.55	35.5	55.5	2.79	2.15	17.8	17.0	25	20
M2	28/10/2021	Mid-Flood	Fine	Moderate	18:08	1.1	М	0.55	1	0.065	319	7.02	7.03	6.28	6.28	26.28	26.29	41.1	41.3	3.24	3.24	14.5	14.5	21	21
M2	28/10/2021	Mid-Flood	Fine	Moderate	18:08	1.1	M	0.55	2	0.005	515	7.03	7.05	6.27	0.20	26.29	20.25	41.4	41.5	3.23	3.24	14.5	14.5	20	21
M3	28/10/2021	Mid-Flood	Fine	Calm	18:08	0.6	М	0.3	1	0.226	82	7.21	7.21	5.46	5.47	25.96	25.96	50.4	50.3	4.21	4.20	23.1	23.0	24	24
M3	28/10/2021	Mid-Flood	Fine	Calm	18:08	0.6	М	0.3	2	0.220	02	7.20	1.21	5.48	5.47	25.95	25.50	50.1	50.5	4.19	4.20	22.9	23.0	23	24
M1	28/10/2021	Mid-Ebb	Fine	Moderate	6:07	0.9	М	0.45	1	0.051	123	7.02	7.04	5.11	5.13	25.71	25.73	50.8	51.0	4.02	4.06	12.6	12.7	22	21
M1	28/10/2021	Mid-Ebb	Fine	Moderate	6:07	0.9	М	0.45	2	0.051	125	7.05	7.04	5.14	5.15	25.74	25.75	51.2	51.0	4.09	4.00	12.8	12.7	20	21
M2	28/10/2021	Mid-Ebb	Fine	Moderate	6:21	0.7	М	0.35	1	0.083	75	7.17	7.18	6.46	6.47	25.26	25.27	51.9	51.3	4.09	4.05	16.5	16.5	24	24
M2	28/10/2021	Mid-Ebb	Fine	Moderate	6:21	0.7	М	0.35	2	0.085	,5	7.18	1.10	6.47	0.47	25.27	23.21	50.7	51.5	4.01	4.05	16.5	10.5	23	24
M3	28/10/2021	Mid-Ebb	Fine	Calm	5:59	0.6	М	0.3	1	0.203	265	7.05	7.06	4.39	4.38	25.01	25.02	43.6	44.0	3.82	3.86	17.2	16.7	26	27
M3	28/10/2021	Mid-Ebb	Fine	Calm	5:59	0.6	М	0.3	2	0.205	205	7.07	7.00	4.37	4.30	25.02	20.02	44.4	44.0	3.89	3.00	16.1	10.7	27	21
Remark													For Flood	Tide											

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)

2. Red and Bold: Limit Level Exceedance (For Impact Station Only)

3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.

4. Limti Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.

5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.

Monitoring	D	0	N	TU	5	ŝS		
Location	AL	LL	AL	LL	AL	LL		
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112		
M3(Impact Station)	3.28	3.14	74.3	78.0	104	167		
For Ebb Tide								
Monitoring	D	0	N	TU	SS			

Monitoring	D	0	N	TU	<b>9</b>	iS
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

									0							In-situ Me	asurement							Laborator	y Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicate	Current Speed (m/s)	Current Direction (°)	p	н	Sal (p	inity pt)		erature ee C)	DO Sat (%		D (mg		Turk (N	idity ⁻U)	Total Su Sol (mg	lids
										Value	Value	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	30/10/2021	Mid-Flood	Fine	Moderate	16:55	1.3	М	0.65	1	0.049	326	7.03	7.04	8.64	8.65	25.42	25.42	42.5	42.3	3.32	3.30	13.1	13.1	17	17
M1	30/10/2021	Mid-Flood	Fine	Moderate	16:55	1.3	М	0.65	2	0.045	520	7.04	7.04	8.66	0.00	25.43	23.42	42.1	42.5	3.28	3.30	13.1	13.1	17	17
M2	30/10/2021	Mid-Flood	Fine	Moderate	16:40	1.1	М	0.55	1	0.073	116	7.04	7.04	8.65	8.66	25.58	25.59	34.1	33.7	2.62	2.61	11.8	11.8	17	18
M2	30/10/2021	Mid-Flood	Fine	Moderate	16:40	1.1	М	0.55	2	0.075	110	7.03	7.04	8.66	0.00	25.59	23.35	33.3	33.7	2.59	2.01	11.9	11.0	19	10
M3	30/10/2021	Mid-Flood	Cloudy	Calm	16:32	0.4	М	0.2	1	0.149	90	7.39	7.38	5.78	5.77	26.07	26.08	49.2	49.7	3.87	3.90	20.7	20.9	27	29
M3	30/10/2021	Mid-Flood	Cloudy	Calm	16:32	0.4	М	0.2	2	0.145	50	7.37	7.50	5.76	5.77	26.09	20.00	50.1	43.7	3.92	3.50	21.2	20.3	30	23
M1	30/10/2021	Mid-Ebb	Fine	Moderate	8:04	0.9	М	0.45	1	0.056	121	6.89	6.88	8.65	8.66	26.32	26.32	34.2	34.7	2.63	2.68	11.9	11.8	20	19
M1	30/10/2021	Mid-Ebb	Fine	Moderate	8:04	0.9	М	0.45	2	0.050	121	6.87	0.00	8.66	0.00	26.32	20.32	35.1	54.7	2.72	2.00	11.8	11.0	18	13
M2	30/10/2021	Mid-Ebb	Fine	Moderate	8:23	0.7	М	0.35	1	0.042	29	6.95	6.96	8.64	8.62	25.71	25.71	38.3	38.2	2.98	2.92	11.8	12.0	18	19
M2	30/10/2021	Mid-Ebb	Fine	Moderate	8:23	0.7	М	0.35	2	0.042	25	6.97	0.90	8.60	0.02	25.71	23.71	38.1	50.Z	2.86	2.92	12.2	12.0	20	13
M3	30/10/2021	Mid-Ebb	Cloudy	Calm	8:12	0.4	М	0.2	1	0.102	275	7.06	7.07	4.66	4.66	25.27	25.27	46.4	46.7	3.66	3.68	25.1	25.1	34	34
M3	30/10/2021	Mid-Ebb	Cloudy	Calm	8:12	0.4	М	0.2	2	0.102	2/5	7.07	7.07	4.66	4.00	25.26	23.21	46.9	40.7	3.69	3.00	25.1	23.1	33	54
Remark													For Flood	Tide											

1. Orange and Bold: Action Level Exceedance (For Impact Station Only)

2. Red and Bold: Limit Level Exceedance (For Impact Station Only)

3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.

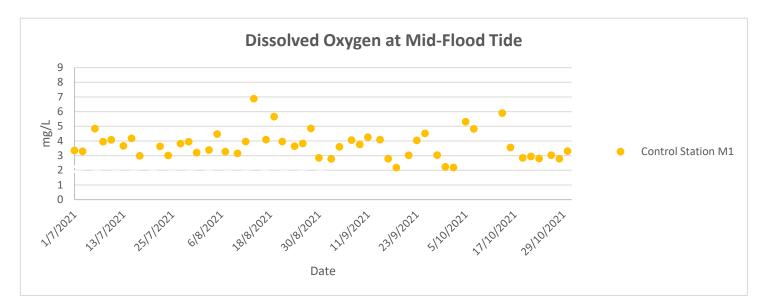
4. Limti Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.

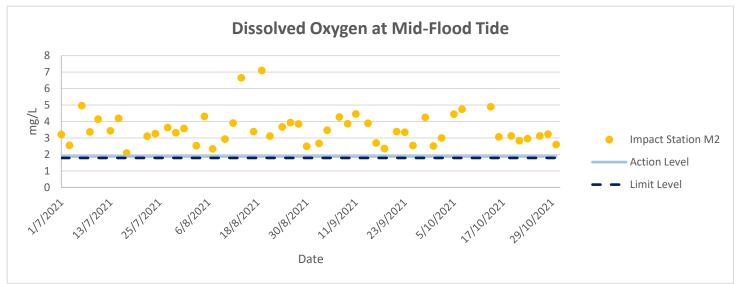
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.

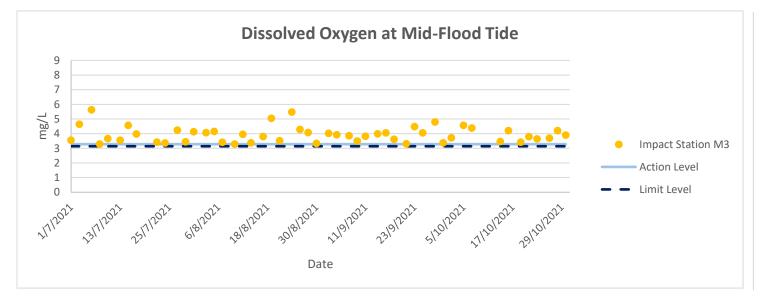
6. Limti Level for SS: 99%-ile of baseline data or 130% of upstream control station's SS recorded on the same day.

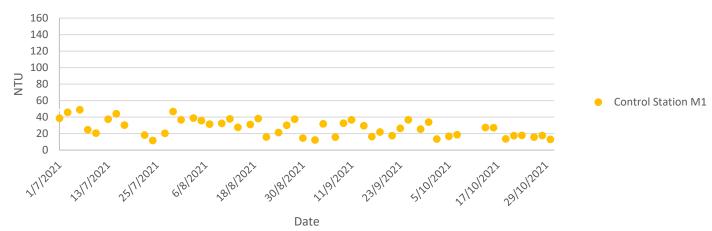
#### Monitoring DO NTU SS Location AL LL AL LL AL LL M2(Impact Station) 1.88 1.79 43.0 52.4 81 112 M3(Impact Station) 3.28 3.14 74.3 78.0 104 167 For Ebb Tide

Monitoring	D	0	N	TU	9	is
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

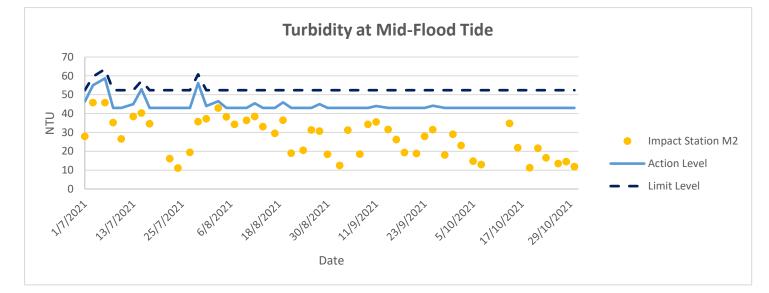


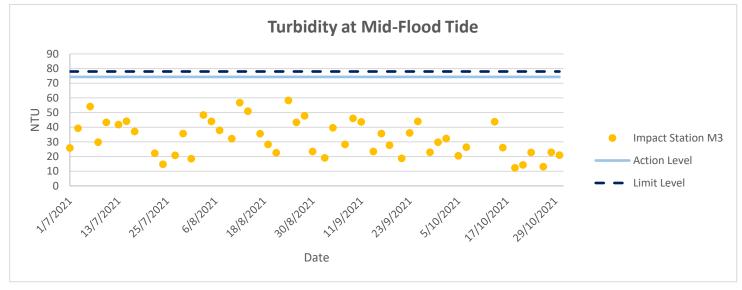


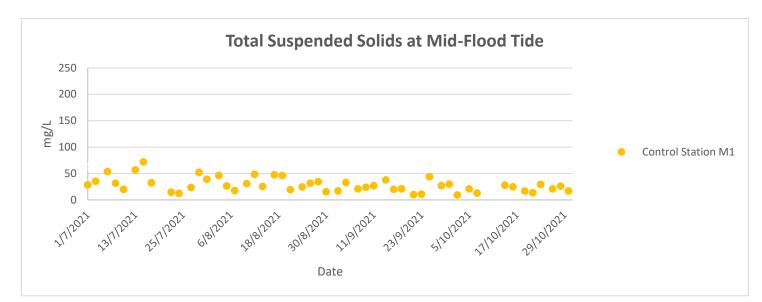


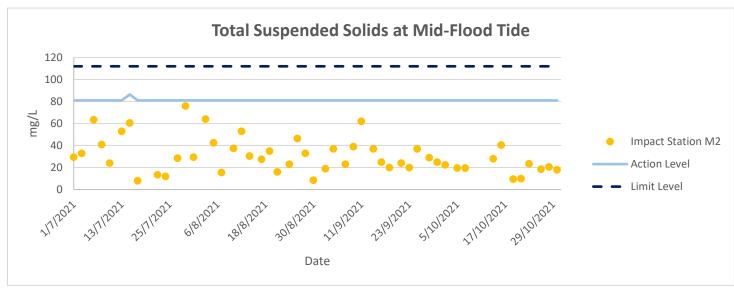


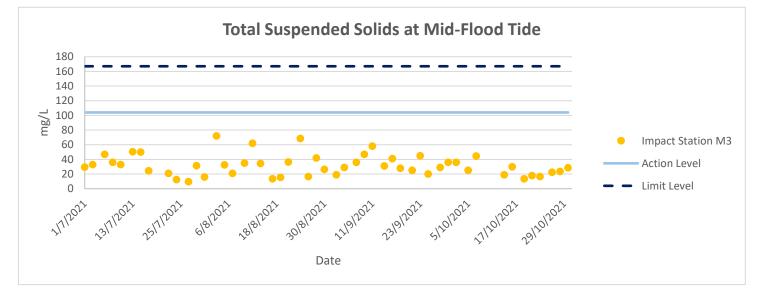
# **Turbidity at Mid-Flood Tide**

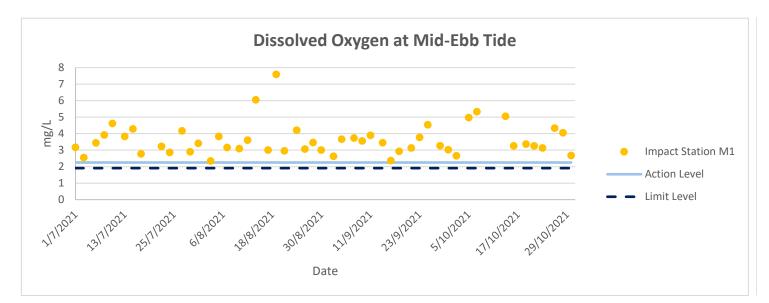


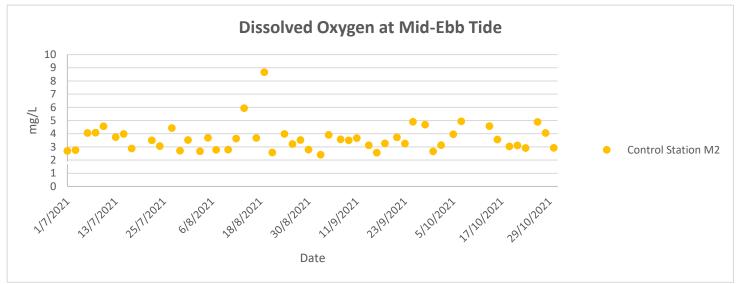


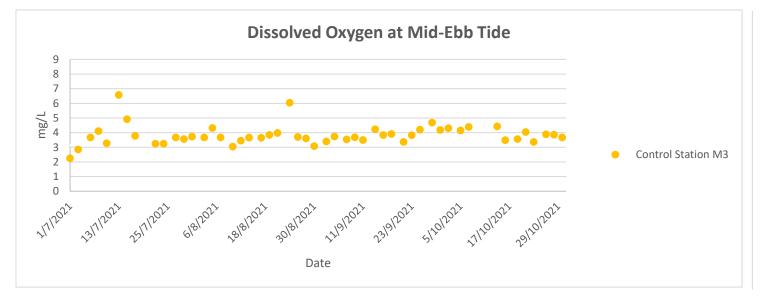


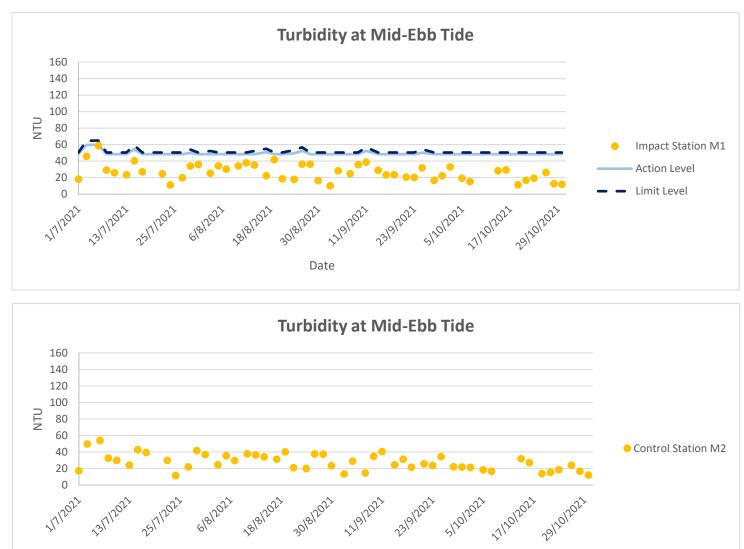




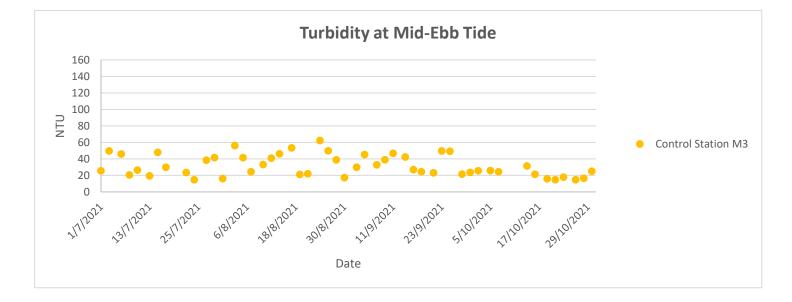


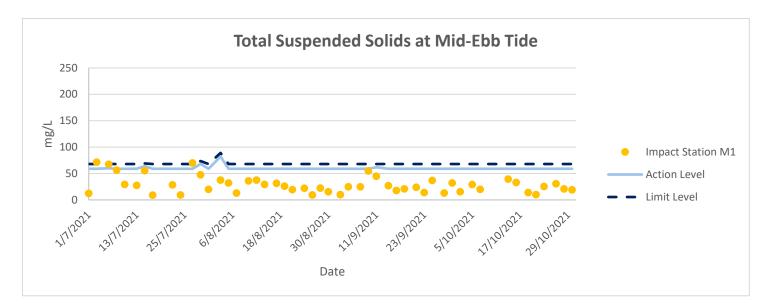


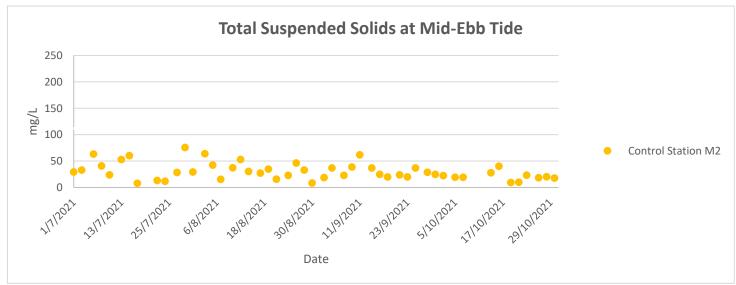


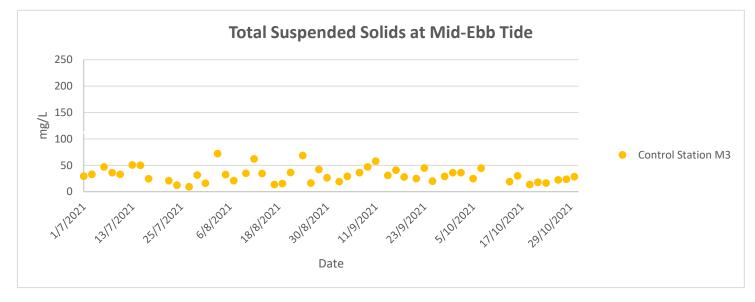


Date









Ecology Monitoring Results



# Ecology Monitoring Results for Contract No. SPW 07/2020 Environmental Team for Construction of Yuen long Effluent Polishing Plant Stage 1

# Appendix F.1 Supplemental Discussion

# F.1.1 Active Ardeid Night Roost

For the final night roost, Chinese Pond Heron individuals (ind.) utilized the inside portions of the understory to canopy layers of the roosting substrate *Sonneratia apetala* and *S. caseolaris* at ANR1 (14 ind.) and ANR2 (6 ind.). For the months May to September 2021, the night roost (ANR2) located at the northeast of the Project was not used by ardeids and its current utilization by Chinese Pond Heron may be due to changes in roosting locations temporally. In Hong Kong, fluctuation of roosting population and change in locations of roosting site without major nearby environmental change has been observed in roosts and locations (HKJC, 2005; Lee et al., 2004; MTRC, 2010).

# F.1.2 Ecological Monitoring of Birds

# F.1.2.1 Abundance

# F.1.2.1.1 All Avifauna Species

# **Point Count**

Among the different species recorded, the Spotted Dove Spilopelia chinensis was noted with the highest abundance (34 ind.), followed by the Black-winged Stilt *Himantopus himantopus* (18 ind.) and Azure-winged Magpie *Cyanopica cyanus* (15 ind.). On the other hand, species with the least abundance (1 ind.) include the Black Kite *Milvus migrans*, Common Kingfisher *Alcedo atthis*, Red-whiskered Bulbul *Pycnonotus jocosus*, Yellow Bittern *Ixobrychus sinensis* and Yellow-bellied Prinia *Prinia flaviventris*.

# **Transect Walk**

Among the different species recorded, the Great Cormorant *Phalacrocorax carbo* was noted with the highest abundance (102 ind.), distantly followed by Black-winged Stilt *Himantopus himantopus* (24 ind.) and Eurasian Tree Sparrow *Passer montanus* (19 ind.). The noted high abundance of Great Cormorant was due to their flocks in flight to the direction of the nearby Deep Bay area. On the other hand, the Black Kite *Milvus migrans,* Oriental Magpie Robin *Copsychus saularis,* Red-whiskered Bulbul *Pycnonotus jocosus* and Yellow Bittern *Ixobrychus sinensis* had the lowest abundance (1 ind. each).

# F.1.2.1.2 Avifauna Species of Conservation Importance

# **Point Count**

Among the different species recorded, the Black-winged Stilt *Himantopus himantopus* was recorded with the highest abundance (18 ind.), followed by both the Common Greenshank *Tringa nebularia* and Great Cormorant with 11 ind. each. On the other hand, species such as the Common Redshank *Tringa totanus* (2 ind.), Little Grebe *Tachybaptus ruficollis* (2 ind.), and Black Kite (1 ind.) were noted with low abundances.

# Transect Walk

Among the different species recorded, the Great Cormorant was noted with the highest abundance (102 ind.) and distantly followed by the Black-winged Stilt (24 ind.). On the other hand, the Black Kite had the lowest recorded abundance (1 ind.).

# Appendix F.2 Ecological Bird Monitoring Results (15 October 2021)

	-		-		Point										Deduct of	IUCN		
Date (dd/mm/yyyy)	Daytime/Night time	Season	Area	Transect/Point Count	Count (Location)/ Transect Impact	Common Name	Scientific Name	Abundance	Habitat	Distribution in Hong Kong <sup>2</sup>	Principal Status <sup>3</sup>	Level of Concern <sup>4</sup>	Protection Status in China <sup>5</sup>	China Red Data Book <sup>6</sup>	Red List of China's Vertebrates	Red List 7 (v.2020- 3)	Species of Conservation Importance	Wetland Dependent
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	White-breasted Waterhen	Amaurornis phoenicurus	2	Pond-FLW	Common	R	-	-	-	LC	LC	N	Υ
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Great Egret	Ardea alba	5	Pond-FLW	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Grey Heron	Ardea cinerea	2	Pond-FLW	Common	WV	PRC	-	-	LC	LC	Υ	Y
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Chinese Pond Heron	Ardeola bacchus	5	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Υ	Υ
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Eastern Cattle Egret	Bubulcus coromandus	4	Pond-FLW	Common	R.PM	-	-	-	LC	LC	N	Υ
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Whiskered Tern	Chlidonias hybrida	9	Pond-FLW	Uncommon	PM	-	-	-	LC	LC	N	Υ
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Azure-winged Magpie	Cyanopica cyanus	11	Plantation-FLW	Introduced	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Black Drongo	Dicrurus macrocercus	7	Pond-FLW	Common	SV	-	-		LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Little Egret	Egretta garzetta	4	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Υ	Υ
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Black-collared Starling	Gracupica nigricollis	6	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Black-winged Stilt	Himantopus himantopus	4	Pond-FLW	Common	PM	RC	-	-	LC	LC	Υ	Υ
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Yellow Bittern	Ixobrychus sinensis	1	Pond-FLW	Uncommon	PM,SV	-	-	-	LC	LC	N	Υ
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Scaly-breasted Munia	Lonchura punctulata	5	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Black Kite	Milvus migrans	1	Pond-FLW	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	White Wagtail	Motacilla alba	2	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Eurasian Tree Sparrow	Passer montanus	19	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Great Cormorant	Phalacrocorax carbo	7	In Flight	Common	WV	PRC	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Great Cormorant	Phalacrocorax carbo	95	In Flight	Common	WV	PRC	-	-	LC	LC	Υ	Υ
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Plain Prinia	Prinia inornata	6	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Spotted Dove	Spilopelia chinensis	11	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Oriental Turtle Dove	Streptopelia orientalis	2	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Transect	FLW	Little Grebe	Tachybaptus ruficollis	3	Pond-FLW	Common	R	LC	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW1	Azure-winged Magpie	Cyanopica cyanus	7	Pond-FLW	Introduced	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW1	Black-winged Stilt	Himantopus himantopus	6	Pond-FLW	Common	PM	RC	-	-	LC	LC	Υ	Υ
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW1	Dusky Warbler	Phylloscopus fuscatus	2	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW1	Little Grebe	Tachybaptus ruficollis	1	Pond-FLW	Common	R	LC	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW2	Crested Myna	Acridotheres cristatellus	6	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW2	White-throated Kingfisher	Halcyon smyrnensis	1	Pond-FLW	Common	R	-	-	-	LC	LC	N	Υ

15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW2	White Wagtail	Motacilla alba	5	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW2	Yellow-bellied Prinia	Prinia flaviventris	1	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW2	Spotted Dove	Spilopelia chinensis	7	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW3	Eurasian Tree Sparrow	Passer montanus	2	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW3	Dusky Warbler	Phylloscopus fuscatus	1	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW3	Red-whiskered Bulbul	Pycnonotus jocosus	1	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW3	Spotted Dove	Spilopelia chinensis	7	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW4	Crested Myna	Acridotheres cristatellus	3	Pond-FLW	Common	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW4	Grey Heron	Ardea cinerea	1	Pond-FLW	Common	WV	PRC	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW4	Whiskered Tern	Chlidonias hybrida	1	Pond-FLW	Uncommon	PM	-	-	-	LC	LC	N	Y
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW4	Little Egret	Egretta garzetta	1	Pond-FLW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW4	White-throated Kingfisher	Halcyon smyrnensis	1	Pond-FLW	Common	R	-	-	-	LC	LC	N	Y
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW4	Black Kite	Milvus migrans	1	Pond-FLW	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW5	Azure-winged Magpie	Cyanopica cyanus	5	Pond-FLW	Introduced	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW5	Black Drongo	Dicrurus macrocercus	4	Pond-FLW	Common	SV	-	-		LC	LC	N	N
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW5	Masked Laughingthrush	Garrulax perspicillatus	5	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	Ν
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW5	White Wagtail	Motacilla alba	2	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	Ν
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW5	Great Cormorant	Phalacrocorax carbo	5	Pond-FLW	Common	WV	PRC	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW5	Spotted Dove	Spilopelia chinensis	5	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	Ν
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW5	Little Grebe	Tachybaptus ruficollis	1	Pond-FLW	Common	R	LC	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW6	Eastern Cattle Egret	Bubulcus coromandus	2	Pond-FLW	Common	R.PM	-	-	-	LC	LC	N	Υ
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW6	Whiskered Tern	Chlidonias hybrida	2	Pond-FLW	Uncommon	PM	-	-	-	LC	LC	N	Υ
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW6	Azure-winged Magpie	Cyanopica cyanus	3	Plantation-FLW	Introduced	R	-	-	-	LC	LC	N	Ν
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW6	Black Drongo	Dicrurus macrocercus	2	Pond-FLW	Common	SV	-	-		LC	LC	N	Ν
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW6	Masked Laughingthrush	Garrulax perspicillatus	3	Pond-FLW	Abundant	R	-	-	-	LC	LC	N	Ν
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW6	Brown Shrike	Lanius cristatus	1	Pond-FLW	Common	PM,WV	-	-	-	LC	LC	N	Ν
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW7	Great Egret	Ardea alba	3	Pond-FLW	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW7	Whiskered Tern	Chlidonias hybrida	3	Pond-FLW	Uncommon	PM	-	-	-	LC	LC	Ν	Y
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW7	Large-billed Crow	Corvus macrorhynchos	3	Pond-FLW	Common	R	-	-	-	LC	LC	Ν	Ν
15/10/2021	Daytime	Wet Season	FLW	Point Count	FLW7	Black Drongo	Dicrurus macrocercus	2	Pond-FLW	Common	SV	-	-		LC	LC	Ν	Ν
15/10/2021	Daytime	Wet Season	NSW	Transect	NSW	Grey Heron	Ardea cinerea	1	Modified Watercourse	Common	WV	PRC	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	NSW	Transect	NSW	Chinese Pond Heron	Ardeola bacchus	4	Modified Watercourse	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/10/2021	Daytime		NSW	Transect	NSW	Chinese Pond Heron	Ardeola bacchus	4		Common	R	PRC (RC)	-	-	LC	LC	Y	Y

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15/10/2021	Daytime	Wet Season	NSW	Transect	NSW	Little Egret	Egretta garzetta	2	Watercourse	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	NSW	Transect	NSW	Masked Laughingthrush	Garrulax perspicillatus	4	Plantation-NSW	Abundant	R	-	-	-	LC	LC	Ν	Ν
15/10/2021	Daytime	Wet Season	NSW	Transect	NSW	Black-winged Stilt	Himantopus himantopus	5	Modified Watercourse	Common	PM	RC	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	NSW	Point Count	NSW1	Common Kingfisher	Alcedo atthis	1	Pond-NSW	Common	PM,WV	-	-	-	LC	LC	N	Υ
15/10/2021	Daytime	Wet Season	NSW	Point Count	NSW1	Chinese Pond Heron	Ardeola bacchus	5	Pond-NSW	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	NSW	Point Count	NSW1	Pied Kingfisher	Ceryle rudis	1	Pond-NSW	Uncommon	R	-	-	-	LC	LC	N	Y
15/10/2021	Daytime	Wet Season	NSW	Point Count	NSW1	White Wagtail	Motacilla alba	2	Pond-NSW	Common	PM,WV	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	NSW	Point Count	NSW1	Eurasian Tree Sparrow	Passer montanus	9	Pond-NSW	Abundant	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	NSW	Point Count	NSW1	Spotted Dove	Spilopelia chinensis	4	Pond-NSW	Abundant	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Crested Myna	Acridotheres cristatellus	5	Mangrove	Common	R	-	-	-	LC	LC	Ν	Ν
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Little Egret	Egretta garzetta	4	Modified Watercourse	Common	R	PRC (RC)	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Black-winged Stilt	Himantopus himantopus	5	Modified Watercourse	Common	PM	RC	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Yellow Bittern	Ixobrychus sinensis	1	Modified Watercourse	Uncommon	PM,SV	-	-	-	LC	LC	N	Y
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Scaly-breasted Munia	Lonchura punctulata	5	Plantation-NSW	Common	R	-	-	-	LC	LC	N	Ν
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Pied Avocet	Recurvirostra avosetta	3	Modified Watercourse	Abundant	wv	RC	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Spotted Dove	Spilopelia chinensis	11	Plantation-NSW	Abundant	R	-	-	-	LC	LC	Ν	Ν
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Common Greenshank	Tringa nebularia	5	Modified Watercourse	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW1	Common Redshank	Tringa totanus	2	Modified Watercourse	Common	PM	RC	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Brown Shrike	Lanius cristatus	1	Mangrove	Common	PM,WV	-	-	-	LC	LC	Ν	Ν
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Great Cormorant	Phalacrocorax carbo	1	In Flight	Common	WV	PRC	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW2	Japanese White-eye	Zosterops japonicus	2	Plantation-NSW	Abundant	R	-	-	-	LC	LC	Ν	Ν
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Great Egret	Ardea alba	3	Modified Watercourse	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Grey Heron	Ardea cinerea	2	Modified Watercourse	Common	WV	PRC	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Chinese Pond Heron	Ardeola bacchus	3	Modified Watercourse	Common	R	PRC (RC)	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Pied Kingfisher	Ceryle rudis	1	Modified Watercourse	Uncommon	R	-	-	-	LC	LC	Ν	Υ
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Little Egret	Egretta garzetta	3	Modified Watercourse	Common	R	PRC (RC)	-	-	LC	LC	Y	Υ
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Black-winged Stilt	Himantopus himantopus	7	Modified Watercourse	Common	РМ	RC	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW3	White Wagtail	Motacilla alba	2	Modified Watercourse	Common	PM,WV	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Great Cormorant	Phalacrocorax carbo	5	In Flight	Common	WV	PRC	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	NSW	Point Count	SP/NSW3	Common Greenshank	Tringa nebularia	6	Modified Watercourse	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	YLIE	Transect	YLIE-CW	Crested Myna	Acridotheres cristatellus	6	Modified Watercourse	Common	R	-	-	-	LC	LC	N	N
15/10/2021	Daytime	Wet Season	YLIE	Transect	YLIE-CW	Great Egret	Ardea alba	1	Modified Watercourse	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
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15/10/2021	Daytime	Wet Season	YLIE	Transect	YLIE-CW	Chinese Pond Heron	Ardeola bacchus	4	Modified Watercourse	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
15/10/2021	Daytime	Wet Season	YLIE	Transect	YLIE-CW	Little Ringed Plover	Charadrius dubius	3	Modified Watercourse	Common	WV,PM	-	-	-	LC	LC	Ν	Υ
15/10/2021	Daytime	Wet Season	YLIE	Transect	YLIE-CW	Oriental Magpie Robin	Copsychus saularis	1	Modified Watercourse	Abundant	R	-	-	-	LC	LC	Ν	Ν
15/10/2021	Daytime	Wet Season	YLIE	Transect	YLIE-CW	Black-collared Starling	Gracupica nigricollis	4	Modified Watercourse	Common	R	-	-	-	LC	LC	Ν	Ν
15/10/2021	Daytime	Wet Season	YLIE	Transect	YLIE-CW	Black-winged Stilt	Himantopus himantopus	15	Modified Watercourse	Common	РМ	RC	-	-	LC	LC	Υ	Υ
15/10/2021	Daytime	Wet Season	YLIE	Transect	YLIE-CW	Plain Prinia	Prinia inornata	1	Modified Watercourse	Common	R	-	-	-	LC	LC	Ν	Ν
15/10/2021	Daytime	Wet Season	YLIE	Transect	YLIE-CW	Red-whiskered Bulbul	Pycnonotus jocosus	1	Modified Watercourse	Abundant	R	-	-	-	LC	LC	Ν	N
15/10/2021	Daytime	Wet Season	YLIE	Transect	YLIE-CW	Common Greenshank	Tringa nebularia	4	Modified Watercourse	Abundant	PM,WV	RC	-	-	LC	LC	Υ	γ

### Notes:

(1) All wild birds are protected under Wild Animals Protection Ordinance (Cap. 170).

(2) AFCD (2021). Hong Kong Biodiversity Database.

(3) Carey et al. (2001): R=resident; WV=winter visitor; SV=summer visitor; PM=passage migrant; Sp=spring; A=autumn;

(4) Fellowes et al. (2002): GC=Global Concern; LC=Local Concern; RC=Regional Concern; PRC=Potential Regional Concern; PGC: Potential Global Concern. Letters in parentheses indicate that the assessment is on the basis of restrictedness in nesting and/or roosting sites rather than in general occurrence. (5) List of Wild Animals under State Protection (promulgated by State Forestry Administration and Ministry of Agriculture on 14 January, 1989).

(6) Zheng, G. M. and Wang, Q. S. (1998). China Red Data Book

(7) IUCN 2021. The IUCN Red List of Threatened Species. Version 2020-3.

(9) Wetland-dependent species (including wetland-dependent species and waterbirds).

(10) Jiang et al. (2016). Red List of China's Vertebrates

## Appendix F.3.1 Ecological Bird Monitoring Diversity (All avifauna species in Point Count Method) in All Habitats (15 October 2021)

Scientific Name	Count	Р	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
Acridotheres cristatellus	14	0.068293	-2.68395	-0.18329	0.491953
Alcedo atthis	1	0.004878	-5.32301	-0.02597	0.138217
Ardea alba	6	0.029268	-3.53125	-0.10335	0.364968
Ardea cinerea	3	0.014634	-4.2244	-0.06182	0.261154
Ardeola bacchus	8	0.039024	-3.24357	-0.12658	0.410565
Bubulcus coromandus	2	0.009756	-4.62986	-0.04517	0.209128
Ceryle rudis	2	0.009756	-4.62986	-0.04517	0.209128
Chlidonias hybrida	6	0.029268	-3.53125	-0.10335	0.364968
Corvus macrorhynchos	3	0.014634	-4.2244	-0.06182	0.261154
Cyanopica cyanus	15	0.073171	-2.61496	-0.19134	0.500343
Dicrurus macrocercus	8	0.039024	-3.24357	-0.12658	0.410565
Egretta garzetta	8	0.039024	-3.24357	-0.12658	0.410565
Garrulax perspicillatus	8	0.039024	-3.24357	-0.12658	0.410565
Halcyon smyrnensis	2	0.009756	-4.62986	-0.04517	0.209128
Himantopus himantopus	18	0.087805	-2.43264	-0.2136	0.519605
Ixobrychus sinensis	1	0.004878	-5.32301	-0.02597	0.138217
Lanius cristatus	2	0.009756	-4.62986	-0.04517	0.209128
Lonchura punctulata	5	0.02439	-3.71357	-0.09057	0.336357
Milvus migrans	1	0.004878	-5.32301	-0.02597	0.138217
Motacilla alba	11	0.053659	-2.92511	-0.15696	0.459118
Passer montanus	11	0.053659	-2.92511	-0.15696	0.459118
Phalacrocorax carbo	11	0.053659	-2.92511	-0.15696	0.459118
Phylloscopus fuscatus	3	0.014634	-4.2244	-0.06182	0.261154
Prinia flaviventris	1	0.004878	-5.32301	-0.02597	0.138217
Pycnonotus jocosus	1	0.004878	-5.32301	-0.02597	0.138217
Spilopelia chinensis	34	0.165854	-1.79665	-0.29798	0.535367
Tachybaptus ruficollis	2	0.009756	-4.62986	-0.04517	0.209128
Tringa nebularia	11	0.053659	-2.92511	-0.15696	0.459118
Tringa totanus	2	0.009756	-4.62986	-0.04517	0.209128
Recurvirostra avosetta	3	0.014634	-4.2244	-0.06182	0.261154
Zosterops japonicus	2	0.009756	-4.62986	-0.04517	0.209128
Total	205	1	-120.901	-3.01093	9.791892
Richness	31				
SS	9.791892				
SQ	9.065719				
H	3.01093				
S <sup>2</sup> <sub>H</sub>	0.003899				

## Appendix F.3.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (15 October 2021)

Scientific Name	Count	Р	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
Ardea alba	6	0.082192	-2.4987	-0.20537	0.513165
Ardea cinerea	3	0.041096	-3.19185	-0.13117	0.41868
Ardeola bacchus	8	0.109589	-2.21102	-0.2423	0.535737

Egretta garzetta	8	0.109589	-2.21102	-0.2423	0.535737
Himantopus himantopus	18	0.246575	-1.40009	-0.34523	0.483348
Milvus migrans	1	0.013699	-4.29046	-0.05877	0.252165
Phalacrocorax carbo	11	0.150685	-1.89256	-0.28518	0.539723
Tachybaptus ruficollis	2	0.027397	-3.59731	-0.09856	0.354539
Tringa nebularia	11	0.150685	-1.89256	-0.28518	0.539723
Tringa totanus	2	0.027397	-3.59731	-0.09856	0.354539
Recurvirostra avosetta	3	0.041096	-3.19185	-0.13117	0.41868
Total	73	1	-29.9747	-2.1238	4.946036
Richness	11				
SS	4.946036				
SQ	4.510519				
Н	2.1238				
S <sup>2</sup> <sub>H</sub>	0.006904				

# Appendix F.3.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (15 October 2021)

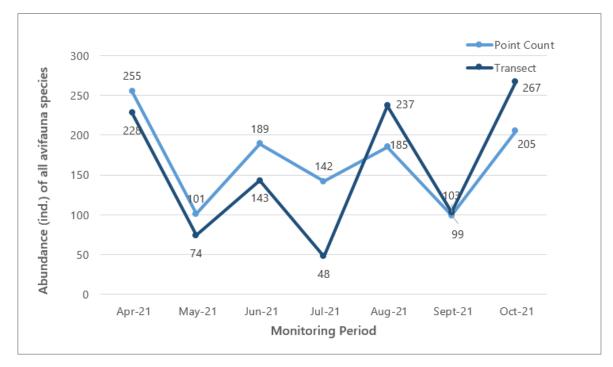
Scientific Name	Count	Р	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
Acridotheres cristatellus	6	0.022472	-3.79549	-0.08529	0.323724
Amaurornis phoenicurus	2	0.007491	-4.8941	-0.03666	0.179417
Ardea alba	6	0.022472	-3.79549	-0.08529	0.323724
Ardea cinerea	3	0.011236	-4.48864	-0.05043	0.22638
Ardeola bacchus	13	0.048689	-3.0223	-0.14715	0.444741
Bubulcus coromandus	4	0.014981	-4.20095	-0.06294	0.26439
Charadrius dubius	3	0.011236	-4.48864	-0.05043	0.22638
Chlidonias hybrida	9	0.033708	-3.39002	-0.11427	0.38738
Copsychus saularis	1	0.003745	-5.58725	-0.02093	0.116919
Cyanopica cyanus	11	0.041199	-3.18935	-0.1314	0.41907
Dicrurus macrocercus	7	0.026217	-3.64134	-0.09547	0.347623
Egretta garzetta	6	0.022472	-3.79549	-0.08529	0.323724
Garrulax perspicillatus	4	0.014981	-4.20095	-0.06294	0.26439
Gracupica nigricollis	10	0.037453	-3.28466	-0.12302	0.404083
Himantopus himantopus	24	0.089888	-2.40919	-0.21656	0.521728
Ixobrychus sinensis	1	0.003745	-5.58725	-0.02093	0.116919
Lonchura punctulata	5	0.018727	-3.97781	-0.07449	0.29631
Milvus migrans	1	0.003745	-5.58725	-0.02093	0.116919
Motacilla alba	2	0.007491	-4.8941	-0.03666	0.179417
Passer montanus	19	0.071161	-2.64281	-0.18807	0.49702
Phalacrocorax carbo	102	0.382022	-0.96228	-0.36761	0.353743
Prinia inornata	7	0.026217	-3.64134	-0.09547	0.347623
Pycnonotus jocosus	1	0.003745	-5.58725	-0.02093	0.116919
Spilopelia chinensis	11	0.041199	-3.18935	-0.1314	0.41907
Streptopelia orientalis	2	0.007491	-4.8941	-0.03666	0.179417
Tachybaptus ruficollis	3	0.011236	-4.48864	-0.05043	0.22638
Tringa nebularia	4	0.014981	-4.20095	-0.06294	0.26439
Total	267	1	-107.837	-2.47456	7.887804
Richness	27				
SS	7.887804				

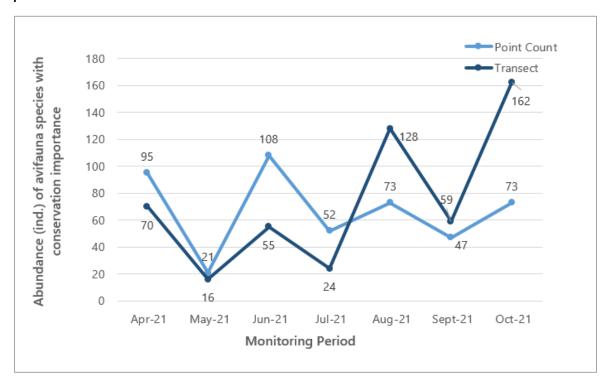
SQ	6.123458		
Н	2.47456		
S <sup>2</sup> H	0.00679		

Appendix F.3.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (15 October 2021)

Scientific Name	Count	Р	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
Ardea alba	6	0.037037	-3.29584	-0.12207	0.402316
Ardea cinerea	3	0.018519	-3.98898	-0.07387	0.294667
Ardeola bacchus	13	0.080247	-2.52265	-0.20243	0.510671
Egretta garzetta	6	0.037037	-3.29584	-0.12207	0.402316
Himantopus himantopus	24	0.148148	-1.90954	-0.2829	0.5402
Milvus migrans	1	0.006173	-5.0876	-0.0314	0.159776
Phalacrocorax carbo	102	0.62963	-0.46262	-0.29128	0.134754
Tachybaptus ruficollis	3	0.018519	-3.98898	-0.07387	0.294667
Tringa nebularia	4	0.024691	-3.7013	-0.09139	0.338263
Total	162	1	-28.2534	-1.29128	3.077629
Richness	9				
SS	3.077629				
SQ	1.667411				
Н	1.29128				
S <sup>2</sup> <sub>H</sub>	0.008857				

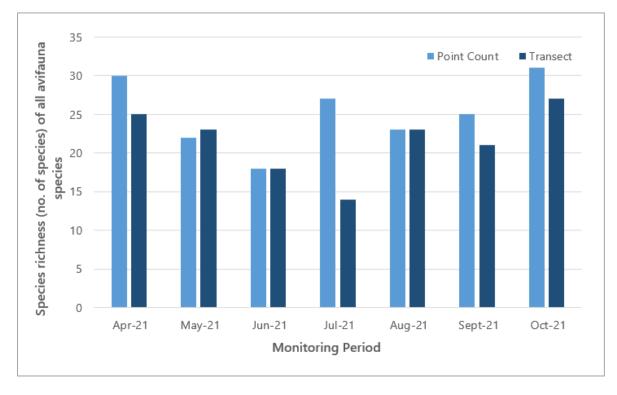
Appendix F.4.1 Abundance of all avifauna species throughout the monitoring period

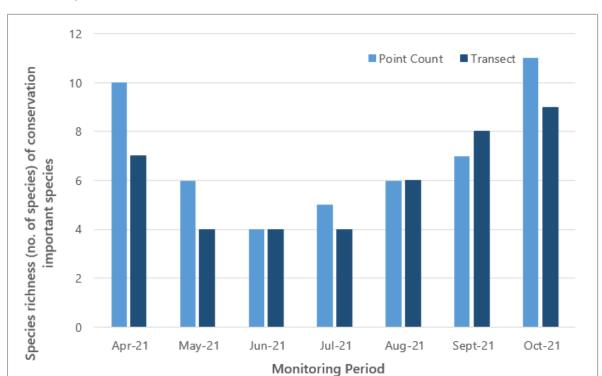




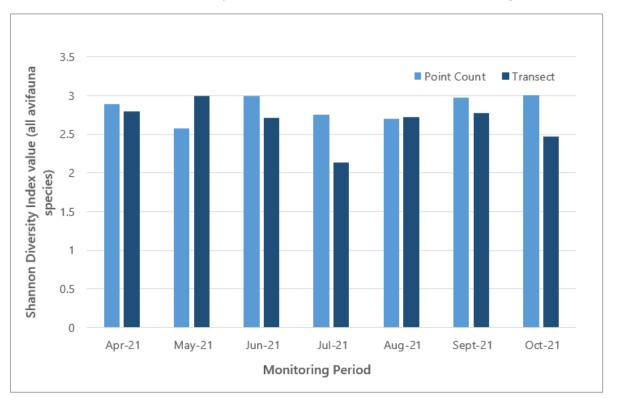
Appendix F.4.2 Abundance of avifauna species with conservation importance throughout the monitoring period

Appendix F.5.1 Species richness of all avifauna species throughout the monitoring period

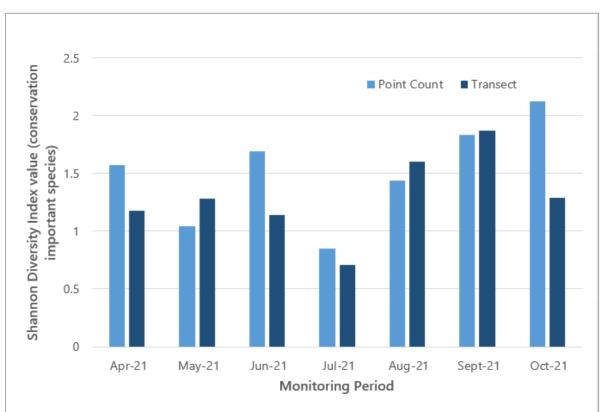




## Appendix F.5.2 Species richness of avifauna species with conservation importance throughout the monitoring period



Appendix F.6.1 Shannon Diversity Index values of all avifauna species throughout the monitoring period



## Appendix F.6.2 Shannon Diversity Index values of avifauna species with conservation importance throughout the monitoring period

## Appendix F.7 Two-tailed Unpaired T-test

Formula:

$$t = \frac{\overline{X}_1 - \overline{X}_2}{\sqrt{\left(\frac{(N_1 - 1)s_1^2 + (N_2 - 1)s_2^2}{N_1 + N_2 - 2}\right)\left(\frac{1}{N_1} + \frac{1}{N_2}\right)}}$$

## Appendix F.7.1 Abundance of avifauna species with conservation importance – Point Count Method

Months	October 2016	October 2021					
N	36	22					
df	35	21					
М	2.97	3.32					
SS	220.97	78.77					
S <sup>2</sup>	6.31	3.75					
t-value	-0	.55					
p-value	0.	58					
Notes: N: Number of samples/observation df: Degrees of freedom M: Mean SS: Sum of Squares							



## Appendix F.8 Hutcheson t-test testing method and output

Formula:

$$t = \frac{H_a - H_b}{\sqrt{s_{H_a}^2 + s_{H_b}^2}}$$

Appendix F.8.1 Species diversity of avifauna species with conservation importance – Point Count Method

Months	October 2016	October 2021					
Total	107	73					
N	13	11					
н	2.17 2.12						
S <sup>2</sup> <sub>H</sub>	0.0056 0.0069						
t	0.39						
df	165.50						
Crit	1.97						
р	0	.70					
СІ	0.15	0.17					
Notes: Total: Total abundance N: Number of species H: Shannon Diversity Index S <sup>2</sup> <sub>H</sub> : variance t: t-value df: degrees of freedom Crit: critical value p: p-value							
Cl: confidence interval							

# **Appendix G**

Wind Data



Date	Wind Speed	Wind Direction
01/10/2021 00:00	0.0	SEE
01/10/2021 01:00	0.0	SEE
01/10/2021 02:00	0.0	SEE
01/10/2021 03:00	0.0	SEE
01/10/2021 04:00	0.0	SEE
01/10/2021 05:00	0.0	SEE
01/10/2021 06:00	0.0	SEE
01/10/2021 07:00	0.1	SES
01/10/2021 08:00	0.0	NEE
01/10/2021 09:00	0.0	NWN
01/10/2021 10:00	0.4	SWW
01/10/2021 11:00	0.0	SWW
01/10/2021 12:00	0.0	SES
01/10/2021 13:00	0.1	NEN
01/10/2021 14:00	0.0	NEN
01/10/2021 15:00	0.2	N
01/10/2021 16:00	0.0	NEN
01/10/2021 17:00	0.0	NEN
01/10/2021 18:00	0.0	W
01/10/2021 19:00	0.4	SW
01/10/2021 20:00	0.0	S
01/10/2021 21:00	0.0	E
01/10/2021 22:00	0.0	E
01/10/2021 23:00	0.0	E
01/10/2021 00:00	0.1	S
02/10/2021 01:00	0.0	S
02/10/2021 02:00	0.0	S
02/10/2021 03:00	0.0	S
02/10/2021 04:00	0.0	S
02/10/2021 05:00	0.0	S
02/10/2021 06:00	0.0	S
02/10/2021 07:00	0.0	NE
02/10/2021 08:00	0.0	NW
02/10/2021 09:00	0.1	NWW
02/10/2021 10:00	0.0	N
02/10/2021 11:00	0.0	W
02/10/2021 12:00	0.0	W
02/10/2021 13:00	0.0	SES

Date	Wind Speed	Wind Direction
02/10/2021 14:00	0.0	SES
02/10/2021 15:00	0.2	SES
02/10/2021 16:00	0.1	SES
02/10/2021 17:00	0.1	SES
02/10/2021 18:00	0.0	NEE
02/10/2021 19:00	0.1	NEN
02/10/2021 20:00	0.0	SEE
02/10/2021 21:00	0.0	NE
02/10/2021 22:00	0.0	NEE
02/10/2021 23:00	0.0	SES
02/10/2021 00:00	0.0	NEN
03/10/2021 01:00	0.0	NE
03/10/2021 02:00	0.0	N
03/10/2021 03:00	0.0	N
03/10/2021 04:00	0.0	NEE
03/10/2021 05:00	0.1	NEN
03/10/2021 06:00	0.1	NE
03/10/2021 07:00	0.0	NE
03/10/2021 08:00	0.1	NEN
03/10/2021 09:00	0.3	NEN
03/10/2021 10:00	0.3	NEE
03/10/2021 11:00	0.4	NE
03/10/2021 12:00	0.1	NEE
03/10/2021 13:00	0.1	NE
03/10/2021 14:00	0.5	NEE
03/10/2021 15:00	0.0	NEE
03/10/2021 16:00	0.0	E
03/10/2021 17:00	0.2	NE
03/10/2021 18:00	0.0	NE
03/10/2021 19:00	0.0	NE
03/10/2021 20:00	0.0	NE
03/10/2021 21:00	0.0	NE
03/10/2021 22:00	0.1	NE
03/10/2021 23:00	0.0	NE
03/10/2021 00:00	0.0	NE
04/10/2021 01:00	0.0	NE
04/10/2021 02:00	0.0	NE
04/10/2021 03:00	0.0	NEN

Date	Wind Speed	Wind Direction
04/10/2021 04:00	0.0	NEN
04/10/2021 05:00	0.1	NEN
04/10/2021 06:00	0.2	NE
04/10/2021 07:00	0.3	NEN
04/10/2021 08:00	0.4	NE
04/10/2021 09:00	0.5	NE
04/10/2021 10:00	0.1	NEE
04/10/2021 11:00	0.0	SE
04/10/2021 12:00	0.4	NE
04/10/2021 13:00	0.1	E
04/10/2021 14:00	0.6	NE
04/10/2021 15:00	0.4	SES
04/10/2021 16:00	0.0	SEE
04/10/2021 17:00	0.0	SEE
04/10/2021 18:00	0.0	NEE
04/10/2021 19:00	0.0	NEE
04/10/2021 20:00	0.0	NE
04/10/2021 21:00	0.0	NE
04/10/2021 22:00	0.0	NEN
04/10/2021 23:00	0.0	NEN
04/10/2021 00:00	0.0	NEN
05/10/2021 01:00	0.0	N
05/10/2021 02:00	0.0	N
05/10/2021 03:00	0.1	N
05/10/2021 04:00	0.0	NEE
05/10/2021 05:00	0.1	NEN
05/10/2021 06:00	0.0	NE
05/10/2021 07:00	0.1	NE
05/10/2021 08:00	0.9	NE
05/10/2021 09:00	0.4	NEE
05/10/2021 10:00	0.1	SEE
05/10/2021 11:00	0.1	NEN
05/10/2021 12:00	0.4	NE
05/10/2021 13:00	0.7	NE
05/10/2021 14:00	0.1	NE
05/10/2021 15:00	0.1	SEE
05/10/2021 16:00	0.0	SE
05/10/2021 17:00	0.0	SEE

Date	Wind Speed	Wind Direction
05/10/2021 18:00	0.0	SE
05/10/2021 19:00	0.0	SEE
05/10/2021 20:00	0.0	NE
05/10/2021 21:00	0.3	NE
05/10/2021 22:00	0.0	NEE
05/10/2021 23:00	0.1	E
06/10/2021 00:00	0.1	E
06/10/2021 01:00	0.1	NEE
06/10/2021 02:00	0.1	NEN
06/10/2021 03:00	0.0	NE
06/10/2021 04:00	0.0	NE
06/10/2021 05:00	0.1	NEN
06/10/2021 06:00	0.4	NE
06/10/2021 07:00	0.2	NE
06/10/2021 08:00	0.4	NE
06/10/2021 09:00	0.5	NE
06/10/2021 10:00	0.2	NE
06/10/2021 11:00	0.2	NE
06/10/2021 12:00	0.0	NEN
06/10/2021 13:00	0.1	SEE
06/10/2021 14:00	0.0	SE
06/10/2021 15:00	0.3	NEE
06/10/2021 16:00	0.0	NEE
06/10/2021 17:00	0.0	NE
06/10/2021 18:00	0.2	NEN
06/10/2021 19:00	0.2	N
06/10/2021 20:00	0.0	NE
06/10/2021 21:00	0.0	NEE
06/10/2021 22:00	0.0	E
06/10/2021 23:00	0.1	NE
07/10/2021 00:00	0.0	NEE
07/10/2021 01:00	0.5	NE
07/10/2021 02:00	0.3	NEN
07/10/2021 03:00	0.2	NE
07/10/2021 04:00	0.2	NE
07/10/2021 05:00	0.2	NE
07/10/2021 06:00	0.3	NEE
07/10/2021 07:00	0.3	NE

Date	Wind Speed	Wind Direction
07/10/2021 08:00	0.7	NEN
07/10/2021 09:00	1.1	NEN
07/10/2021 10:00	0.4	NE
07/10/2021 11:00	0.3	NEE
07/10/2021 12:00	0.1	NEN
07/10/2021 13:00	0.6	NEN
07/10/2021 14:00	0.3	NEN
07/10/2021 15:00	0.1	SEE
07/10/2021 16:00	0.1	NEN
07/10/2021 17:00	0.4	NE
07/10/2021 18:00	0.3	NEN
07/10/2021 19:00	0.2	NEE
07/10/2021 20:00	0.0	NE
07/10/2021 21:00	0.1	NE
07/10/2021 22:00	0.1	NEE
07/10/2021 23:00	0.0	NEN
08/10/2021 00:00	0.2	NE
08/10/2021 01:00	0.1	NEE
08/10/2021 02:00	0.1	NE
08/10/2021 03:00	0.8	NEN
08/10/2021 04:00	0.1	NEN
08/10/2021 05:00	0.6	NEN
08/10/2021 06:00	0.9	NEN
08/10/2021 07:00	0.4	NE
08/10/2021 08:00	0.7	NEN
08/10/2021 09:00	0.6	NEE
08/10/2021 10:00	0.0	E
08/10/2021 11:00	0.0	NEN
08/10/2021 12:00	0.1	NE
08/10/2021 13:00	0.0	NEE
08/10/2021 14:00	0.1	NEN
08/10/2021 15:00	0.1	NE
08/10/2021 16:00	0.0	NEN
08/10/2021 17:00	0.0	SE
08/10/2021 18:00	0.8	NE
08/10/2021 19:00	0.0	NE
08/10/2021 20:00	0.0	E
08/10/2021 21:00	0.0	NE

Date	Wind Speed	Wind Direction
08/10/2021 22:00	0.0	NE
08/10/2021 23:00	0.0	NE
09/10/2021 00:00	0.6	NE
09/10/2021 01:00	0.5	NE
09/10/2021 02:00	0.3	NE
09/10/2021 03:00	0.2	NE
09/10/2021 04:00	0.3	SEE
09/10/2021 05:00	0.3	SE
09/10/2021 06:00	0.3	SE
09/10/2021 07:00	0.1	SE
09/10/2021 08:00	0.1	SEE
09/10/2021 09:00	1.2	NE
09/10/2021 10:00	0.3	NEE
09/10/2021 11:00	0.3	NE
09/10/2021 12:00	0.1	E
09/10/2021 13:00	0.9	NE
09/10/2021 14:00	0.1	SEE
09/10/2021 15:00	0.5	NEE
09/10/2021 16:00	0.2	SE
09/10/2021 17:00	0.4	SE
09/10/2021 18:00	0.6	N
09/10/2021 19:00	0.8	NEE
09/10/2021 20:00	0.5	SEE
09/10/2021 21:00	1.0	NE
09/10/2021 22:00	0.2	NE
09/10/2021 23:00	0.8	NE
10/10/2021 00:00	0.1	NE
10/10/2021 01:00	0.1	NE
10/10/2021 02:00	0.2	NE
10/10/2021 03:00	0.2	NEN
10/10/2021 04:00	0.5	NE
10/10/2021 05:00	0.1	NEE
10/10/2021 06:00	0.4	NE
10/10/2021 07:00	0.0	NEE
10/10/2021 08:00	0.0	NEE
10/10/2021 09:00	0.0	NEE
10/10/2021 10:00	0.3	NE
10/10/2021 11:00	0.1	NE

Date	Wind Speed	Wind Direction
10/10/2021 12:00	0.1	NEE
10/10/2021 13:00	0.0	NEN
10/10/2021 14:00	0.1	NEE
10/10/2021 15:00	0.1	NE
10/10/2021 16:00	0.0	NEN
10/10/2021 17:00	0.0	N
10/10/2021 18:00	0.1	N
10/10/2021 19:00	0.0	N
10/10/2021 20:00	0.0	N
10/10/2021 21:00	0.0	NEN
10/10/2021 22:00	0.0	NWN
10/10/2021 23:00	0.0	SWW
11/10/2021 00:00	0.0	SWW
11/10/2021 01:00	0.0	SWW
11/10/2021 02:00	0.0	SWW
11/10/2021 03:00	0.0	SWW
11/10/2021 04:00	0.0	N
11/10/2021 05:00	0.0	NEE
11/10/2021 06:00	0.0	NEN
11/10/2021 07:00	0.2	NEN
11/10/2021 08:00	0.9	N
11/10/2021 09:00	0.8	N
11/10/2021 10:00	1.2	N
11/10/2021 11:00	0.6	NEN
11/10/2021 12:00	0.8	NE
11/10/2021 13:00	0.5	NWN
11/10/2021 14:00	0.7	N
11/10/2021 15:00	0.8	N
11/10/2021 16:00	0.6	NEN
11/10/2021 17:00	1.8	NEN
11/10/2021 18:00	0.2	N
11/10/2021 19:00	0.6	NWN
11/10/2021 20:00	0.2	N
11/10/2021 21:00	1.2	NEN
11/10/2021 22:00	0.2	N
11/10/2021 23:00	1.4	NWN
12/10/2021 00:00	0.9	NEN
12/10/2021 01:00	1.2	NWN

Date	Wind Speed	Wind Direction
12/10/2021 02:00	0.1	NE
12/10/2021 03:00	0.5	NEN
12/10/2021 04:00	1.0	NWN
12/10/2021 05:00	1.9	N
12/10/2021 06:00	0.8	N
12/10/2021 07:00	1.2	NWN
12/10/2021 08:00	0.2	N
12/10/2021 09:00	0.1	N
12/10/2021 10:00	1.6	N
12/10/2021 11:00	0.7	NEN
12/10/2021 12:00	2.0	NWN
12/10/2021 13:00	0.2	NEN
12/10/2021 14:00	0.8	N
12/10/2021 15:00	1.4	N
12/10/2021 16:00	0.7	NEN
12/10/2021 17:00	0.9	NEN
12/10/2021 18:00	0.6	NWN
12/10/2021 19:00	0.8	NEN
12/10/2021 20:00	0.5	NEN
12/10/2021 21:00	1.2	N
12/10/2021 22:00	1.3	N
12/10/2021 23:00	0.6	N
13/10/2021 00:00	1.1	NE
13/10/2021 01:00	0.6	NE
13/10/2021 02:00	1.5	N
13/10/2021 03:00	1.0	NEN
13/10/2021 04:00	0.4	NE
13/10/2021 05:00	0.2	NE
13/10/2021 06:00	0.8	N
13/10/2021 07:00	0.1	NE
13/10/2021 08:00	0.1	NE
13/10/2021 09:00	0.3	NE
13/10/2021 10:00	0.6	NE
13/10/2021 11:00	0.4	NE
13/10/2021 12:00	0.5	NEE
13/10/2021 13:00	0.6	NEE
13/10/2021 14:00	0.3	NE
13/10/2021 15:00	0.2	NEE

Date	Wind Speed	Wind Direction
13/10/2021 16:00	0.8	NE
13/10/2021 17:00	0.1	S
13/10/2021 18:00	0.6	NE
13/10/2021 19:00	0.3	NE
13/10/2021 20:00	0.8	NE
13/10/2021 21:00	0.4	E
13/10/2021 22:00	0.1	NEE
13/10/2021 23:00	0.0	SEE
14/10/2021 00:00	0.0	NEE
14/10/2021 01:00	0.2	NE
14/10/2021 02:00	0.0	NEE
14/10/2021 03:00	0.5	NEN
14/10/2021 04:00	0.0	NEN
14/10/2021 05:00	0.0	Ν
14/10/2021 06:00	0.3	NEN
14/10/2021 07:00	0.3	NE
14/10/2021 08:00	0.4	N
14/10/2021 09:00	0.0	NE
14/10/2021 10:00	0.1	NEE
14/10/2021 11:00	0.4	NEN
14/10/2021 12:00	0.3	NE
14/10/2021 13:00	0.0	SES
14/10/2021 14:00	0.1	NEE
14/10/2021 15:00	0.2	NE
14/10/2021 16:00	0.0	NE
14/10/2021 17:00	0.0	NE
14/10/2021 18:00	0.0	NEN
14/10/2021 19:00	0.0	NEE
14/10/2021 20:00	0.0	NEE
14/10/2021 21:00	0.0	NE
14/10/2021 22:00	0.0	Ν
14/10/2021 23:00	0.0	NEN
15/10/2021 00:00	0.0	N
15/10/2021 01:00	0.0	NE
15/10/2021 02:00	0.0	NEN
15/10/2021 03:00	0.1	NEN
15/10/2021 04:00	0.0	NEN
15/10/2021 05:00	0.0	NE

Date	Wind Speed	Wind Direction
15/10/2021 06:00	0.0	E
15/10/2021 07:00	0.1	NEN
15/10/2021 08:00	0.3	Ν
15/10/2021 09:00	0.4	Ν
15/10/2021 10:00	0.1	NEN
15/10/2021 11:00	0.1	NE
15/10/2021 12:00	0.2	NEN
15/10/2021 13:00	0.0	NE
15/10/2021 14:00	0.3	NEN
15/10/2021 15:00	0.0	NE
15/10/2021 16:00	0.0	NEN
15/10/2021 17:00	0.0	NE
15/10/2021 18:00	0.0	NE
15/10/2021 19:00	0.0	N
15/10/2021 20:00	0.0	NE
15/10/2021 21:00	0.0	NEN
15/10/2021 22:00	0.0	NEN
15/10/2021 23:00	0.0	NEN
16/10/2021 00:00	0.0	NEN
16/10/2021 01:00	0.0	Ν
16/10/2021 02:00	0.0	NEN
16/10/2021 03:00	0.1	Ν
16/10/2021 04:00	0.3	NEN
16/10/2021 05:00	0.2	NEN
16/10/2021 06:00	0.4	NEN
16/10/2021 07:00	0.5	NEE
16/10/2021 08:00	0.3	Ν
16/10/2021 09:00	0.6	Ν
16/10/2021 10:00	0.8	Ν
16/10/2021 11:00	1.0	NEN
16/10/2021 12:00	1.5	NEN
16/10/2021 13:00	0.6	NEN
16/10/2021 14:00	0.2	NEN
16/10/2021 15:00	0.0	E
16/10/2021 16:00	0.1	NE
16/10/2021 17:00	0.3	NE
16/10/2021 18:00	1.1	Ν
16/10/2021 19:00	1.0	NEN

Date	Wind Speed	Wind Direction
16/10/2021 20:00	0.5	N
16/10/2021 21:00	0.4	NEN
16/10/2021 22:00	0.6	NEN
16/10/2021 23:00	0.6	N
17/10/2021 00:00	1.2	N
17/10/2021 01:00	1.8	N
17/10/2021 02:00	0.8	NEN
17/10/2021 03:00	0.6	NEN
17/10/2021 04:00	0.8	NE
17/10/2021 05:00	0.8	NEN
17/10/2021 06:00	0.7	NEN
17/10/2021 07:00	1.3	NE
17/10/2021 08:00	0.4	N
17/10/2021 09:00	0.4	NEN
17/10/2021 10:00	0.4	NE
17/10/2021 11:00	0.3	N
17/10/2021 12:00	1.1	N
17/10/2021 13:00	0.4	N
17/10/2021 14:00	0.3	NE
17/10/2021 15:00	0.3	NEN
17/10/2021 16:00	0.6	N
17/10/2021 17:00	0.8	SWS
17/10/2021 18:00	0.3	N
17/10/2021 19:00	0.4	NEN
17/10/2021 20:00	0.7	NEN
17/10/2021 21:00	0.1	NE
17/10/2021 22:00	0.4	Ν
17/10/2021 23:00	0.6	NEN
18/10/2021 00:00	0.3	Ν
18/10/2021 01:00	0.2	Ν
18/10/2021 02:00	0.0	NEN
18/10/2021 03:00	0.1	NE
18/10/2021 04:00	0.1	NEN
18/10/2021 05:00	0.3	NE
18/10/2021 06:00	0.4	Ν
18/10/2021 07:00	1.1	NEN
18/10/2021 08:00	0.4	NE
18/10/2021 09:00	0.1	NE

Date	Wind Speed	Wind Direction
18/10/2021 10:00	0.6	N
18/10/2021 11:00	0.0	NE
18/10/2021 12:00	0.1	N
18/10/2021 13:00	0.0	N
18/10/2021 14:00	0.0	NEN
18/10/2021 15:00	0.1	N
18/10/2021 16:00	0.0	NE
18/10/2021 17:00	0.0	NEE
18/10/2021 18:00	0.0	NEE
18/10/2021 19:00	0.0	NEE
18/10/2021 20:00	0.0	N
18/10/2021 21:00	0.0	NEE
18/10/2021 22:00	0.1	NEN
18/10/2021 23:00	0.0	N
19/10/2021 00:00	0.0	NE
19/10/2021 01:00	0.0	NE
19/10/2021 02:00	0.0	NE
19/10/2021 03:00	0.0	NE
19/10/2021 04:00	0.0	NEN
19/10/2021 05:00	0.0	NE
19/10/2021 06:00	0.0	NEN
19/10/2021 07:00	0.1	NEN
19/10/2021 08:00	0.1	NEN
19/10/2021 09:00	0.0	NE
19/10/2021 10:00	0.1	NWN
19/10/2021 11:00	0.0	SWW
19/10/2021 12:00	0.0	NEE
19/10/2021 13:00	0.0	SEE
19/10/2021 14:00	0.0	NEN
19/10/2021 15:00	0.0	SEE
19/10/2021 16:00	0.0	Ν
19/10/2021 17:00	0.0	E
19/10/2021 18:00	0.0	E
19/10/2021 19:00	0.0	E
19/10/2021 20:00	0.0	E
19/10/2021 21:00	0.0	E
19/10/2021 22:00	0.0	E
19/10/2021 23:00	0.0	NWN

Date	Wind Speed	Wind Direction
20/10/2021 00:00	0.0	NWN
20/10/2021 01:00	0.0	NWN
20/10/2021 02:00	0.0	NWN
20/10/2021 03:00	0.0	S
20/10/2021 04:00	0.0	SEE
20/10/2021 05:00	0.1	N
20/10/2021 06:00	0.0	N
20/10/2021 07:00	0.1	NE
20/10/2021 08:00	0.1	SEE
20/10/2021 09:00	0.1	NE
20/10/2021 10:00	0.2	NEN
20/10/2021 11:00	0.0	SE
20/10/2021 12:00	0.0	SEE
20/10/2021 13:00	0.0	NE
20/10/2021 14:00	0.1	S
20/10/2021 15:00	0.3	SES
20/10/2021 16:00	0.0	SEE
20/10/2021 17:00	0.0	SES
20/10/2021 18:00	0.0	NEN
20/10/2021 19:00	0.0	NEN
20/10/2021 20:00	0.0	NEN
20/10/2021 21:00	0.0	SES
20/10/2021 22:00	0.0	SWW
20/10/2021 23:00	0.0	NEN
21/10/2021 00:00	0.0	NEN
21/10/2021 01:00	0.0	NEN
21/10/2021 02:00	0.0	NEN
21/10/2021 03:00	0.0	NEN
21/10/2021 04:00	0.0	SE
21/10/2021 05:00	0.0	SE
21/10/2021 06:00	0.0	SES
21/10/2021 07:00	0.0	NEN
21/10/2021 08:00	0.0	NE
21/10/2021 09:00	0.0	W
21/10/2021 10:00	0.4	NE
21/10/2021 11:00	0.6	N
21/10/2021 12:00	0.6	N
21/10/2021 13:00	0.8	NEN

Date	Wind Speed	Wind Direction
21/10/2021 14:00	0.3	N
21/10/2021 15:00	0.4	NEN
21/10/2021 16:00	0.2	NEN
21/10/2021 17:00	0.4	Ν
21/10/2021 18:00	0.4	NEN
21/10/2021 19:00	0.0	NWN
21/10/2021 20:00	0.4	NE
21/10/2021 21:00	0.9	NEN
21/10/2021 22:00	0.3	NEN
21/10/2021 23:00	0.4	NEN
22/10/2021 00:00	0.3	NE
22/10/2021 01:00	0.2	NEN
22/10/2021 02:00	0.8	Ν
22/10/2021 03:00	0.3	NEN
22/10/2021 04:00	0.7	N
22/10/2021 05:00	0.3	NW
22/10/2021 06:00	0.1	NEN
22/10/2021 07:00	0.7	NEN
22/10/2021 08:00	0.9	NEN
22/10/2021 09:00	0.2	Ν
22/10/2021 10:00	0.1	Ν
22/10/2021 11:00	0.5	NEN
22/10/2021 12:00	0.1	NE
22/10/2021 13:00	0.1	NEN
22/10/2021 14:00	0.8	NEN
22/10/2021 15:00	0.2	NEN
22/10/2021 16:00	0.1	NEN
22/10/2021 17:00	0.4	NEN
22/10/2021 18:00	0.5	NE
22/10/2021 19:00	0.3	NE
22/10/2021 20:00	0.3	NEN
22/10/2021 21:00	0.3	NEN
22/10/2021 22:00	0.7	Ν
22/10/2021 23:00	0.2	NEN
23/10/2021 00:00	0.2	NEN
23/10/2021 01:00	0.2	Ν
23/10/2021 02:00	0.4	NEN
23/10/2021 03:00	0.4	Ν

Date	Wind Speed	Wind Direction
23/10/2021 04:00	0.6	NEN
23/10/2021 05:00	0.3	NEN
23/10/2021 06:00	0.2	N
23/10/2021 07:00	0.3	NEN
23/10/2021 08:00	0.4	NEN
23/10/2021 09:00	0.3	N
23/10/2021 10:00	0.3	NE
23/10/2021 11:00	0.2	NEN
23/10/2021 12:00	0.1	NE
23/10/2021 13:00	0.1	W
23/10/2021 14:00	0.3	N
23/10/2021 15:00	0.1	NWN
23/10/2021 16:00	0.1	NWN
23/10/2021 17:00	0.3	NEN
23/10/2021 18:00	0.1	NEN
23/10/2021 19:00	0.3	Ν
23/10/2021 20:00	0.0	NEN
23/10/2021 21:00	0.1	NEN
23/10/2021 22:00	0.0	NEN
23/10/2021 23:00	0.1	NEN
24/10/2021 00:00	0.2	Ν
24/10/2021 01:00	0.2	NEN
24/10/2021 02:00	0.2	NE
24/10/2021 03:00	0.1	NE
24/10/2021 04:00	0.2	NE
24/10/2021 05:00	0.1	Ν
24/10/2021 06:00	0.1	Ν
24/10/2021 07:00	0.1	NEN
24/10/2021 08:00	0.3	Ν
24/10/2021 09:00	0.6	NEN
24/10/2021 10:00	0.1	NE
24/10/2021 11:00	0.2	NE
24/10/2021 12:00	0.1	NEN
24/10/2021 13:00	0.7	NEN
24/10/2021 14:00	0.2	NEN
24/10/2021 15:00	0.6	Ν
24/10/2021 16:00	0.2	NEN
24/10/2021 17:00	0.4	NEN

Date	Wind Speed	Wind Direction
24/10/2021 18:00	0.5	NEN
24/10/2021 19:00	0.5	NEN
24/10/2021 20:00	0.4	NEE
24/10/2021 21:00	0.3	N
24/10/2021 22:00	0.4	NEN
24/10/2021 23:00	0.3	N
25/10/2021 00:00	0.3	NEN
25/10/2021 01:00	0.0	NEN
25/10/2021 02:00	0.4	NEN
25/10/2021 03:00	0.2	N
25/10/2021 04:00	0.1	N
25/10/2021 05:00	0.1	N
25/10/2021 06:00	0.1	N
25/10/2021 07:00	0.1	NEN
25/10/2021 08:00	0.5	NEN
25/10/2021 09:00	0.6	NE
25/10/2021 10:00	0.3	NE
25/10/2021 11:00	0.0	NE
25/10/2021 12:00	0.2	NEN
25/10/2021 13:00	0.1	N
25/10/2021 14:00	0.4	NEN
25/10/2021 15:00	0.2	NWN
25/10/2021 16:00	0.1	Ν
25/10/2021 17:00	0.2	NEN
25/10/2021 18:00	0.2	NE
25/10/2021 19:00	0.0	NE
25/10/2021 20:00	0.1	NE
25/10/2021 21:00	0.0	NE
25/10/2021 22:00	0.1	NE
25/10/2021 23:00	0.0	NE
26/10/2021 00:00	0.0	SEE
26/10/2021 01:00	0.0	NE
26/10/2021 02:00	0.0	NEE
26/10/2021 03:00	0.0	NEE
26/10/2021 04:00	0.0	NEN
26/10/2021 05:00	0.1	NE
26/10/2021 06:00	0.0	N
26/10/2021 07:00	0.7	NEN

Date	Wind Speed	Wind Direction
26/10/2021 08:00	0.6	N
26/10/2021 09:00	0.2	NE
26/10/2021 10:00	0.3	N
26/10/2021 11:00	0.1	N
26/10/2021 12:00	0.1	NWN
26/10/2021 13:00	0.3	NE
26/10/2021 14:00	0.0	NEN
26/10/2021 15:00	0.0	N
26/10/2021 16:00	0.0	SW
26/10/2021 17:00	0.0	N
26/10/2021 18:00	0.0	NE
26/10/2021 19:00	0.0	NE
26/10/2021 20:00	0.0	NE
26/10/2021 21:00	0.0	NE
26/10/2021 22:00	0.0	NEN
26/10/2021 23:00	0.0	NEN
27/10/2021 00:00	0.0	NEN
27/10/2021 01:00	0.1	NEN
27/10/2021 02:00	0.0	NE
27/10/2021 03:00	0.0	NEN
27/10/2021 04:00	0.0	NEN
27/10/2021 05:00	0.0	NE
27/10/2021 06:00	0.0	NE
27/10/2021 07:00	0.3	NEN
27/10/2021 08:00	0.3	Ν
27/10/2021 09:00	0.1	NEN
27/10/2021 10:00	0.2	Ν
27/10/2021 11:00	0.2	NEE
27/10/2021 12:00	0.1	NEN
27/10/2021 13:00	0.1	NE
27/10/2021 14:00	0.0	NEE
27/10/2021 15:00	0.3	NE
27/10/2021 16:00	0.0	NE
27/10/2021 17:00	0.0	E
27/10/2021 18:00	0.0	NEE
27/10/2021 19:00	0.0	NE
27/10/2021 20:00	0.0	NEN
27/10/2021 21:00	0.0	NEN

Date	Wind Speed	Wind Direction
27/10/2021 22:00	0.0	E
27/10/2021 23:00	0.0	NE
28/10/2021 00:00	0.1	NEN
28/10/2021 01:00	0.1	NE
28/10/2021 02:00	0.1	NEN
28/10/2021 03:00	0.0	NEN
28/10/2021 04:00	0.0	NEE
28/10/2021 05:00	0.1	NE
28/10/2021 06:00	0.2	NE
28/10/2021 07:00	0.1	NE
28/10/2021 08:00	0.2	NEN
28/10/2021 09:00	0.1	NEE
28/10/2021 10:00	0.2	NEN
28/10/2021 11:00	0.1	N
28/10/2021 12:00	0.2	NEN
28/10/2021 13:00	0.1	NEE
28/10/2021 14:00	0.0	NE
28/10/2021 15:00	0.0	SWW
28/10/2021 16:00	0.0	NE
28/10/2021 17:00	0.0	NEN
28/10/2021 18:00	0.0	NEN
28/10/2021 19:00	0.0	NEN
28/10/2021 20:00	0.0	NE
28/10/2021 21:00	0.0	E
28/10/2021 22:00	0.0	NE
28/10/2021 23:00	0.0	NE
29/10/2021 00:00	0.0	NEN
29/10/2021 01:00	0.0	NEN
29/10/2021 02:00	0.1	NEE
29/10/2021 03:00	0.0	NE
29/10/2021 04:00	0.0	NEN
29/10/2021 05:00	0.0	NE
29/10/2021 06:00	0.0	NEE
29/10/2021 07:00	0.1	NEE
29/10/2021 08:00	0.4	NE
29/10/2021 09:00	0.2	NEE
29/10/2021 10:00	0.3	NEN
29/10/2021 11:00	0.5	NEE

Date	Wind Speed	Wind Direction
29/10/2021 12:00	0.3	NE
29/10/2021 13:00	0.1	NEE
29/10/2021 14:00	0.3	NEN
29/10/2021 15:00	0.0	NEE
29/10/2021 16:00	0.0	NEE
29/10/2021 17:00	0.0	NEE
29/10/2021 18:00	0.0	NE
29/10/2021 19:00	0.0	SE
29/10/2021 20:00	0.0	NE
29/10/2021 21:00	0.0	NE
29/10/2021 22:00	0.1	NE
29/10/2021 23:00	0.0	NE
30/10/2021 00:00	0.0	NE
30/10/2021 01:00	0.1	NEN
30/10/2021 02:00	0.2	NEN
30/10/2021 03:00	0.1	NEE
30/10/2021 04:00	0.1	NE
30/10/2021 05:00	0.3	N
30/10/2021 06:00	0.1	N
30/10/2021 07:00	0.0	NEN
30/10/2021 08:00	0.5	NEN
30/10/2021 09:00	0.0	NEN
30/10/2021 10:00	0.3	NEN
30/10/2021 11:00	0.2	NEN
30/10/2021 12:00	0.3	NEN
30/10/2021 13:00	0.3	SWW
30/10/2021 14:00	0.3	NEN
30/10/2021 15:00	0.3	NEN
30/10/2021 16:00	0.1	NE
30/10/2021 17:00	0.1	NEN
30/10/2021 18:00	0.0	NE
30/10/2021 19:00	0.0	NE
30/10/2021 20:00	0.2	NE
30/10/2021 21:00	0.1	NE
30/10/2021 22:00	0.0	NE
30/10/2021 23:00	0.0	NE
31/10/2021 00:00	1.7	NE
31/10/2021 01:00	0.1	NEN

Date	Wind Speed	Wind Direction
31/10/2021 02:00	0.1	NE
31/10/2021 03:00	0.1	NEN
31/10/2021 04:00	0.2	NEE
31/10/2021 05:00	0.0	NEN
31/10/2021 06:00	0.1	NE
31/10/2021 07:00	0.1	NEN
30/10/2021 08:00	0.0	NEN
31/10/2021 09:00	0.1	NEE
31/10/2021 10:00	0.4	NE
31/10/2021 11:00	0.2	NEE
31/10/2021 12:00	0.6	NEE
31/10/2021 13:00	0.1	NEE
31/10/2021 14:00	0.1	SE
31/10/2021 15:00	0.0	SEE
31/10/2021 16:00	0.0	SEE
31/10/2021 17:00	0.0	SEE
31/10/2021 18:00	0.0	SEE
31/10/2021 19:00	0.0	NE
31/10/2021 20:00	0.0	NE
31/10/2021 21:00	0.0	NE
31/10/2021 22:00	0.0	NE
31/10/2021 23:00	0.0	NE
01/11/2021 00:00	0.0	SEE

# **Appendix H**

**Event and Action Plan** 



## **Event and Action Plan for Air Quality (Construction Dust)**

	ACTION			
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 Contractor, IEC and ER;</li> <li>Repeat measurement to confirm finding; and</li> <li>Increase monitoring frequency to daily.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method; and</li> <li>Review and advise the ET and ER on the effectiveness of the proposed remedial measures.</li> </ol>	1. Notify Contractor.	<ol> <li>Identify source(s), investigate the causes of exceedance and propose remedial measures;</li> <li>Implement remedial measures; and</li> <li>Amend working methods agreed with the ER as appropriate.</li> </ol>
Action level being exceeded by two or more consecutive sampling	<ol> <li>Identify source;</li> <li>Inform Contractor, IEC and ER;</li> <li>Advise the Contractor and ER on the effectiveness of the proposed remedial measures;</li> <li>Repeat measurements to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Discuss with IEC and Contractor on remedial actions required;</li> <li>If exceedance continues, arrange meeting with Contractor, IEC and ER; and</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET, ER and Contractor on possible remedial measures;</li> <li>Advise the ET and ER on the effectiveness of the proposed remedial measures; and</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>Identify source and investigate the causes of exceedance;</li> <li>Submit proposals for remedial measures to the ER with a copy to ET and IEC within three working days of notification;</li> <li>Implement the agreed proposals; and</li> <li>Amend proposal as appropriate.</li> </ol>
Limit level being exceeded by one sampling	<ol> <li>Identify source, investigate the causes of exceedance and propose remedial measures;</li> <li>Inform Contractor, IEC, ER, and EPD;</li> <li>Repeat measurement to confirm finding;</li> <li>Increase monitoring frequency to daily; and</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results.</li> </ol>	<ol> <li>Check monitoring data submitted by ET;</li> <li>Check Contractor's working method;</li> <li>Discuss with ET and Contractor on possible remedial measures;</li> <li>Advise the ER on the effectiveness of the proposed remedial measures; and</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>Identify source(s) and investigate the causes of exceedance;</li> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial measures to ER with a copy to ET and IEC within three working days of notification;</li> <li>Implement the agreed proposals; and</li> <li>Amend proposal if appropriate.</li> </ol>
Limit level being exceeded by two or more consecutive sampling	<ol> <li>Notify IEC, ER, Contractor and EPD;</li> <li>Identify source;</li> <li>Repeat measurement to confirm findings;</li> <li>Increase monitoring frequency to daily;</li> <li>Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented;</li> <li>Arrange meeting with IEC and ER to discuss the remedial actions to be taken;</li> <li>Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; and</li> <li>If exceedance stops, cease additional monitoring.</li> </ol>	<ol> <li>Check monitoring data submitted by the ET;</li> <li>Discuss amongst ER, ET, and Contractor on the potential remedial actions;</li> <li>Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly; and</li> <li>Supervise the implementation of remedial measures.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>In consultation with the ET and IEC, agree with the Contractor on the remedial measures to be implemented;</li> <li>Supervise the implementation of remedial measures; and</li> <li>If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated.</li> </ol>	<ol> <li>Identify source(s) and investigate the causes of exceedance;</li> <li>Take immediate action to avoid further exceedance;</li> <li>Submit proposals for remedial measures to the ER with a copy to the IEC and ET within three working days of notification;</li> <li>Implement the agreed proposals;</li> <li>Revise and resubmit proposals if problem still not under control; and</li> <li>Stop the relevant portion of works as determined by the ER until the exceedance is abated.</li> </ol>

## **Event and Action Plan for Noise (Construction)**

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

## **Event and Action Plan for Water Quality Monitoring**

EVENT	ACTION			
	ET	IEC	ER	Contractor
Action level being exceeded by one sampling day	<ol> <li>Repeat in situ measurement on the next day of exceedance to confirm findings;</li> <li>Check monitoring data, plant, equipment and Contractor(s)'s working methods;</li> <li>Identify source(s) of impact and record in notification of exceedance;</li> <li>Inform IEC, Contractor(s) and ER</li> </ol>	<ol> <li>Check monitoring data submitted by ET and Contractor(s)'s working methods;</li> <li>Inform EPD and AFCD.</li> </ol>	1. Confirm receipt of notification of exceedance in writing	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Check plant and equipment and rectify unacceptable practice</li> </ol>
Action level being exceeded by two or more consecutive sampling days	<ol> <li>Repeat in situ measurement on the next day of exceedance to confirm findings;</li> <li>Check monitoring data, plant, equipment and Contractor(s)'s working methods;</li> <li>Identify source(s) of impact and record in notification of exceedance;</li> <li>Inform IEC, Contractor(s) and ER;</li> <li>Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.</li> </ol>	<ol> <li>Check monitoring data submitted by ET and Contractor(s)'s working methods;</li> <li>Inform EPD and AFCD;</li> <li>Discuss with ET and Contractor(s) on additional mitigation measures and advise ER accordingly;</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented.</li> <li>Ensure additional mitigation measures are properly implemented.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Check plant and equipment and rectify unacceptable practice;</li> <li>Consider changes of working methods;</li> <li>Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days;</li> <li>Implement the agreed mitigation measures.</li> </ol>

EVENT	ACTION			
	ET	IEC	ER	Contractor
Limit level being exceeded by one sampling day	<ol> <li>Repeat in situ measurement on the next day of exceedance to confirm findings;</li> <li>Check monitoring data, plant, equipment and Contractor(s)'s working methods;</li> <li>Identify source(s) of impact and record in notification of exceedance;</li> <li>Inform IEC, Contractor(s) and ER;</li> <li>Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.</li> </ol>	<ol> <li>Check monitoring data submitted by ET and Contractor(s)'s working methods;</li> <li>Inform EPD and AFCD;</li> <li>Discuss with ET and Contractor(s) on additional mitigation measures and advise ER accordingly;</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented.</li> <li>Ensure additional mitigation measures are properly implemented.</li> <li>Request Contractor(s) to critically review the working methods.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Check plant and equipment and rectify unacceptable practice;</li> <li>Critically review the need to change working methods;</li> <li>Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days;</li> <li>Implement the agreed mitigation measures.</li> </ol>
Limit level being exceeded by two or more consecutive sampling days	<ol> <li>Repeat in situ measurement on the next day of exceedance to confirm findings;</li> <li>Check monitoring data, plant, equipment and Contractor(s)'s working methods;</li> <li>Identify source(s) of impact and record in notification of exceedance;</li> <li>Inform IEC, Contractor(s) and ER;</li> <li>Discuss with IEC and Contractor(s) on additional mitigation measures and ensure that they are implemented.</li> </ol>	<ol> <li>Check monitoring data submitted by ET and Contractor(s)'s working methods;</li> <li>Inform EPD and AFCD;</li> <li>Discuss with ET and Contractor(s) on additional mitigation measures and advise ER accordingly;</li> <li>Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Discuss with the IEC on the proposed additional mitigation measures and agree on the mitigation measures to be implemented.</li> <li>Ensure additional mitigation measures are properly implemented.</li> <li>Request Contractor(s) to critically review the working methods.</li> </ol>	<ol> <li>Confirm receipt of notification of exceedance in writing;</li> <li>Check plant and equipment and rectify unacceptable practice;</li> <li>Critically review the need to change working methods;</li> <li>Discuss with ET and IEC on additional mitigation measures and propose them to ER within 3 working days;</li> <li>Implement the agreed mitigation measures.</li> </ol>

## Event and Action Plan for Ecology Monitoring

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

# **Appendix I**

Waste Flow Table



Waste Flo	w Table for Ye	ear 2021									
		Actual Quantities of Inert C&D Materials Generated Monthly				Actual Quantities of Non-inert C&D Wastes Generated Monthly					
Monthly Ending	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 tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
2021 Jan	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2021 Feb	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2021 Mar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2021 Apr	216.92	Nil	Nil	Nil	152.94	Nil	Nil	Nil	Nil	Nil	63.98
2021 May	277.74	Nil	Nil	Nil	268.92	Nil	Nil	0.11	Nil	Nil	8.71
2021 Jun	715.93	Nil	Nil	Nil	551.41	Nil	146.74	0.11	Nil	Nil	17.67
2021 Jul	1521.38	Nil	Nil	Nil	1466.15	Nil	32.46	Nil	Nil	Nil	22.77
2021 Aug	2108.79	Nil	Nil	Nil	2057.77	Nil	29.59	0.13	Nil	Nil	21.30
2021 Sep	3648.77	Nil	Nil	Nil	3576.22	Nil	50.31	Nil	Nil	Nil	22.24
2021 Oct	1943.76	Nil	Nil	Nil	1751.71	Nil	182.36	0.11	Nil	Nil	9.58
2021 Nov											
2021 Dec											
Total	10433.29	0	0	0	9825.12	0	441.46	0.46	0	0	166.25

Note:

The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
 Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials.

# **Appendix J**

Implementation Status of Environment

UGRO

**Mitigation Measures** 

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
Air Quality Im	pact		
Construction	Phase		
3.6.1.6	Watering once per every two hours on active works areas to reduce dust emission.	All active works areas during construction phase	Implemented
3.8.1.1	Dust suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation and good site practices listed below shall be carried out to further minimize construction dust impact:	Construction Sites	
	• Use of regular watering to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather.	_	Implemented
	• Use of frequent watering for particularly dusty construction areas and areas close to ASRs.		Implemented
	• Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines.		Implemented
	• Open stockpiles shall be avoided or covered. Where possible, prevent placing dusty material storage piles near ASRs.		Implemented
	• Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.		Implemented
	• Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.		Implemented
	• Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading area of barging point, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods.		N/A
	• Provision of not less than 2.4m high hoarding from ground level along site boundary where adjoins a road, streets or other accessible to the public except for a site entrance or exit.		Implemented
	Imposition of speed controls for vehicles on site haul roads.		Implemented
	• Where possible, routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs.		Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	• Instigation of an environmental monitoring and auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise.		Implemented
Noise Impact			
Construction I		1	
4.8.1	Movable noise barriers are recommended for hydraulic breakers mounted on excavators to be adopted during construction.		Implemented
	Good site practices listed below and the noise control requirements stated in EPD's "Recommended Pollution Control Clauses for Construction Contracts" should be included in the Contract Specification for the Contractors to follow and should be implemented to further minimize the potential noise impacts during the construction phase of the Project.		N/A
	• Quiet PME, such that those listed in EPD's Quality Powered Mechanical Equipment, should be considered for construction works to further minimize the potential construction noise impact.		Implemented
	• Only well-maintained plant should be operated on-site and plant should be serviced regularly during the construction programme.		Implemented
	• Silencers or mufflers on construction equipment should be utilised and should be properly maintained during the construction programme.		N/A
	• Mobile plant, if any, should be sited as far away from noise sensitive receivers (NSRs) as possible.		N/A
	• Machines and plant (such as trucks) that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.		Partially Implemented
	• 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		N/A
	• Material stockpiles and other structures should be effectively utilised, wherever practicable, in screening noise from on-site construction activities.	-	N/A
Water Quality	Impact	·	·
Construction I	Phase		
5.8.1.2	Water used in ground boring and drilling for site investigation or rock / soil anchoring should as far as practicable be re-circulated after sedimentation. When there is a need for final disposal, the wastewater should be discharged into storm drains via silt removal facilities	Construction Sites / Construction Phase	Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
5.8.1.3	All vehicles and plant should be cleaned before they leave a construction site to minimise the deposition of earth, mud, debris on roads. A wheel washing bay should be provided at every site exit if practicable and wash-water should have sand and silt settled out or removed before discharging into storm drains. The section of construction road between the wheel washing bay and the public road should be paved with backfill to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.	Construction Sites / Construction Phase	Implemented
5.8.1.4	Good site practices should be adopted to remove rubbish and litter from construction sites so as to prevent the rubbish and litter from spreading from the site area. It is recommended to clean the construction sites on a regular basis.	Construction Sites / Construction Phase	Implemented
5.8.1.5 – 5.8.1.6	The site practices outlined in ProPECC PN 1/94 "Construction Site Drainage" should be followed where applicable to minimise surface run-off and the chance of erosion. Surface run-off from construction sites should be discharged into storm drains via adequately designed sand / silt removal facilities such as sand traps, silt traps and sedimentation basins. Channels, earth bunds or sand bag barriers should be provided on site to properly direct stormwater to such silt removal facilities. Perimeter channels at site boundaries should be provided as necessary to intercept storm run-off from outside the site so that it will not wash across the site. Catchpits and perimeter channels should be constructed in advance of site formation works and earthworks.	Construction Sites /Construction Phase	Partially Implemented
5.8.1.7	Silt removal facilities, channels and manholes should be maintained and the deposited silt and grit should be removed regularly (as well as at the onset of and after each rainstorm) to prevent overflows and localised flooding.	Construction Sites / Construction Phase	Partially Implemented
5.8.1.8	Construction works should be programmed to minimise soil excavation in the wet season (i.e. April to September). If soil excavation cannot be avoided in these months or at any time of year when rainstorms are likely, temporarily exposed slope surfaces should be covered e.g. by tarpaulin, and temporary access roads should be protected by crushed stone or gravel, as excavation proceeds. Intercepting channels should be provided (e.g. along the crest / edge of excavation) to prevent storm run-off from washing across exposed soil surfaces.	Construction Sites / Construction Phase	N/A
5.8.1.9	Earthworks final surfaces should be well compacted and the subsequent permanent work or surface protection should be carried out immediately after the final surfaces are formed to prevent erosion	Construction Sites / Construction Phase	N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary		
5.8.1.10	Measures should be taken to minimise the ingress of rainwater into trenches. If excavation of trenches in the wet season is necessary, they should be dug and backfilled in short sections. Rainwater pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities.	Construction Sites / Construction Phase	N/A
5.8.1.11	Construction materials (e.g. aggregates, sand and fill material) on sites should be covered with tarpaulin or similar fabric during rainstorms	Construction Sites / Construction Phase	Implemented
5.8.1.12	Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris from getting into the drainage system, and to prevent storm run-off from getting into foul sewers. Discharge of surface run-off into foul sewers must always be prevented in order not to unduly overload the foul sewerage system.	Construction Sites / Construction Phase	Partially Implemented
5.8.1.13	The practices outlined in Environment, Transport and Works Bureau (ETWB) TC (Works) No. 5/2005 Protection of natural streams/rivers from adverse impacts arising from construction works" should also be adopted where applicable to minimise the water quality impacts upon any natural streams or surface water systems.	Construction Sites / Construction Phase	N/A
5.8.1.14	Sufficient chemical toilets should be provided in the works areas. A licensed waste collector should be deployed to clean the chemical toilets on a regular basis.	Construction Sites / Construction Phase	Implemented
5.8.1.15	Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the surrounding environment.	Construction Sites / Construction Phase	Implemented
5.8.1.16	Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities. The WDO (Cap 354) and its subsidiary regulations in particular the Waste Disposal (Chemical Waste) (General) Regulation, should be observed and complied with for control of chemical wastes.	Construction Sites / Construction Phase	Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
5.8.1.17	Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.	Construction Sites /Construction Phase	N/A
5.8.1.18	Disposal of chemical wastes should be carried out in compliance with the WDO. The Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes published under the WDO should be followed to avoid leakage or spillage of chemicals.	Construction Sites / Construction Phase	N/A
5.8.1.19	All the runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM-DSS).	Construction Sites / Construction Phase	N/A
5.8.2.11	Chemical should be stored on site at bunded area and separate drainage system as appropriate should be provided to avoid any spilled chemicals from entering the storm drain in case of accidental spillage. Also, adequate tools for cleanup of spilled chemicals should be stored on site and appropriate training shall be provided to staffs to further prevent potential adverse water quality impacts from happening.	Project site / Design and Operation Phase	Implemented
	ment Implication		
Construction P			
6.6.1.3	<ul> <li><u>Good Site Practices</u></li> <li>Recommendations for good site practices during the construction phase include:</li> <li>Nomination of approved personnel, such as a site manager, to be responsible for good site practices,</li> </ul>	Construction Sites	Implemented
	and making arrangements for collection of all wastes generated at the site and effective disposal to an appropriate facility;		
	• Training of site personnel in proper waste management and chemical waste handling procedures;		Implemented
	• Provision of sufficient waste reception/ disposal points, of a suitable vermin-proof design that minimises windblown litter;		N/A
	Arrangement for regular collection of waste for transport off-site and final disposal;		Implemented
	• Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers;		Implemented
	Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;		N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	• A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be proposed; and		Implemented
	• A WMP should be prepared and should be submitted to the Engineer for approval. One may make reference to ETWB TCW No. 19/2005 for details.		Implemented
6.6.1.5	Waste Reduction Measures Recommendations to achieve waste reduction include:	Construction Sites	
	• Segregate and store different types of construction related waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;		Implemented
	• Provide separate labelled bins to segregate recyclable waste such as aluminium cans from other general refuse generated by the work force, and to encourage collection by individual collectors;		Implemented
	<ul> <li>Any unused chemicals or those with remaining functional capacity shall be recycled;</li> </ul>		N/A
	Maximising the use of reusable steel formwork to reduce the amount of C&D material;		N/A
	• Prior to disposal of C&D waste, it is recommended that wood, steel and other metals shall be separated for re-use and / or recycling to minimise the quantity of waste to be disposed of to landfill;	-	Implemented
	<ul> <li>Adopt proper storage and site practices to minimise the potential for damage to, or contamination of, construction materials;</li> </ul>	-	Implemented
	• Plan the delivery and stock of construction materials carefully to minimise the amount of surplus waste generated;	-	N/A
	• Adopt pre-cast construction method instead of cast-in-situ method for construction of concrete structures as much as possible; and		N/A
	• Minimise over ordering of concrete, mortars and cement grout by doing careful check before ordering.		N/A
6.6.1.7	Storage of Waste Recommendations to minimise the impacts include:	Construction Sites	
	• Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimising the potential of pollution;		N/A
	Maintain and clean storage areas routinely;	-	N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	• Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; and		Implemented
	• Different locations should be designated to stockpile each material to enhance reuse.		N/A
6.6.1.8	<u>Collection of Waste</u> Licensed waste haulers should be employed for the collection and transportation of waste generated. The following measures should be enforced to minimise the potential adverse impacts:	Construction Sites	
	Remove waste in timely manner;		Implemented
	Waste collectors should only collect wastes prescribed by their permits;	-	Implemented
	• Impacts during transportation, such as dust and odour, should be mitigated by the use of covered trucks or in enclosed containers;		Implemented
	• Obtain relevant waste disposal permits from the appropriate authorities, in accordance with the WDO (Cap. 354), Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 345) and the Land (Miscellaneous Provisions) Ordinance (Cap. 28);		Implemented
	Waste should be disposed of at licensed waste disposal facilities; and		Implemented
	Maintain records of quantities of waste generated, recycled and disposed.	_	Implemented
6.6.1.10	Transportation of WasteIn order to monitor the disposal of C&D materials at PFRFs and landfills and to control fly-tipping, a trip-ticket system should be established in accordance with DEVB TCW No. 6/2010. A recording system for the amount of waste generated, recycled and disposed, including the disposal sites, should also be set up. Warning signs should be put up to remind the designated disposal sites. CCTV should be installed at the vehicular entrance and exit of the site as additional measures to prevent fly-tipping.	Transportation Route of Waste / Construction Phase	N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
6.6.1.12	<u>Construction and Demolition Material</u> Careful design, planning together with good site management can reduce over-ordering and generation of C&D materials such as concrete, mortar and cement grouts. Formwork should be designed to maximize the use of standard wooden panels, so that high reuse levels can be achieved. Alternatives such as steel formwork or plastic facing should be considered to increase the potential for reuse	Construction Sites	N/A
6.6.1.13	The excavated material arising from site formation and foundation works should be reused on-site as backfilling material and for landscaping works as far as practicable. Other mitigation requirements are listed below:	Construction Sites	
	• A WMP, which becomes part of the EMP, should be prepared in accordance with ETWB TCW No.19/2005;	-	Implemented
	• A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be adopted for easy tracking; and	-	N/A
	• In order to monitor the disposal of C&D materials at public filling facilities and landfills and to control fly-tipping, a trip-ticket system should be adopted (refer to DEVB TCW 06/2010).	-	Implemented
6.6.1.14	It is recommended that specific areas should be provided by the Contractors for sorting and to provide temporary storage areas (if required) for the sorted materials. Control measures for temporary stockpiles on-site should be taken in order to minimise the noise, generation of dust and pollution of water. These measures include:	Construction Sites	
	• Surface of stockpiled soil should be regularly wetted with water especially during dry season;		Partially Implemented
	Disturbance of stockpile soil should be minimised;		N/A
	• Stockpiled soil should be properly covered with tarpaulin especially when heavy storms are predicted; and		Implemented
	Stockpiling areas should be enclosed where space is available.		N/A

EIA Ref.	Location / Environmental Protection Measures Measures Completion		Implementation Status	
6.6.1.15	The Contactor should prepare and implement an EMP in accordance with ETWB TCW No.19/2005, which describes the arrangements for avoidance, reuse, recovery, recycling, storage, collection, treatment and disposal of different categories of waste to be generated from construction activities. Such a management plan should incorporate site-specific factors, such as the designation of areas for segregation and temporary storage of reusable and recyclable materials. The EMP should be submitted to the Engineer for approval. The Contractor should implement waste management practices in the EMP throughout the construction stage of the Project. The EMP should be reviewed regularly and updated by the Contractor, preferably on a monthly basis.	Construction Sites	Implemented	
6.6.1.16	The Contractor would be responsible for devising a system to work for on-site sorting of C&D materials and promptly removing all sorted and process materials arising from the construction activities to minimise temporary stockpiling on-site. The system should be included in the EMP identifying the source of generation, estimated quantity, arrangement for on-site sorting, collection, temporary storage areas and frequency of collection by recycling Contractors or frequency of removal off-site.	Construction Sites	Implemented	
6.6.1.17 – 6.6.1.18	The sediment should be excavated, handled, transported and disposed of in a manner that would minimise adverse environmental impacts. To minimise sediment disposal, it is proposed to reuse the Type 1 sediment generated (e.g. as backfilling materials) as far as possible. Requirements of the Air Pollution Control (Construction Dust) Regulation, where relevant, shall be adhered to during excavation, transportation and disposal of the sediment.	Construction Sites	N/A	
6.6.1.19	Workers shall, if necessary, wear appropriate personal protective equipments (PPE) when handling contaminated sediments. Adequate washing and cleaning facilities shall also be provided on site.	Construction Sites	N/A	
6.6.1.20	For off-site disposal, the basic requirements and procedures specified under ETWB TC(W) No. 34/2002 shall be followed.	Transportation Route of Waste / Construction Phase	N/A	
6.6.1.24	Stockpiling of contaminated sediments should be avoided as far as possible. If temporary stockpiling of contaminated sediments is necessary, the excavated sediment should be covered by tarpaulin and the area should be placed within earth bunds or sand bags to prevent leachate from entering the ground, nearby drains and surrounding water bodies. The stockpiles should be completely paved or covered by linings in order to avoid contamination to underlying soil or groundwater. Separate and clearly defined areas should be provided for stockpiling of contaminated and uncontaminated materials. Leachate, if any, should be collected and discharged according to the Water Pollution Control Ordinance (WPCO).	Construction Sites	N/A	

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
6.6.1.25	In order to minimise the potential odour / dust emissions during excavation and transportation of the sediment, the excavated sediments shall be wetted during excavation / material handling and shall be properly covered when placed on trucks or barges. Loading of the excavated sediment to the barge shall be controlled to avoid splashing and overflowing of the sediment slurry to the surrounding water.	Construction sites & transportation route of waste / Construction phase	N/A
6.6.1.26	The barge transporting the sediments to the designated disposal sites shall be equipped with tight fitting seals to prevent leakage and shall not be filled to a level that would cause overflow of materials or laden water during loading or transportation. In addition, monitoring of the barge loading shall be conducted to ensure that loss of material does not take place during transportation. Transport barges or vessels shall be equipped with automatic self-monitoring devices as specified by the DEP.	Transportation route of waste / Construction phase	N/A
6.6.1.27	Suitable containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall employ a licensed collector to transport and dispose of the chemical wastes, to the licensed CWTC, or other licensed facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	Construction and OperationPhases	N/A
6.6.1.28	It is recommended to place clearly labelled recycling bins at designated locations with convenient access. Other general refuse should be separated from chemical and industrial waste by providing separated bins or skips for storage to maximise the recyclable volume. A reputable licensed waste collector should be employed to remove general refuse on a daily basis to minimise odour, pest and litter impacts.	Construction and Operation Phases	Implemented
6.6.1.29 Land Contami	Should buildings are found with potential ACM, sufficient and reasonable lead time shall be allowed for preparation, vetting and implementation of Asbestos Investigation Report and Asbestos Abatement Plan in accordance with Air Pollution Control Ordinance before commencement of any demolition or site clearance work.	Demolition	N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
7.8.1.2 - 7.8.1.3;7.8.2.1	Prior to the commencement of the SI works, a review of the Contamination Assessment Plan (CAP) should be conducted to confirm whether the proposed SI works (e.g. sampling locations, testing parameters etc.) are still valid. Supplementary CAP(s), presenting findings of the review, the latest site conditions and updated sampling strategy and testing protocol, should be submitted to EPD for endorsement. The SI works should be carried out according to EPD's agreed supplementary CAP(s).SI works should be carried out according to the supplementary CAP endorsed by EPD. Following completion of SI works and receipt of laboratory test results, Contamination Assessment Report(s) ((CAR)(s)) should be prepared to present the findings of the SI works and to discuss the presence, nature and extent of contamination.If contamination is identified, Remedial Action Plan(s) ((RAP)(s)) which provides details of the remedial actions for the identified contaminated soil and / or groundwater should be endorsed by EPD. The possible remediation methods are detailed in Section 5.2 of the CAP provided in Appendix 7.1 of the EIA Report.Remediation action, if necessary, will be carried out according to EPD endorsed RAP(s) and Remediation Report(s) (RR(s)) will be submitted after completion of the remediation action. The RR(s) should be endorsed by EPD prior to the commencement of construction works at the respective identified contaminated areas (if any).	Existing YLSTW /Construction Phase (afterdecommissioning of theconcerned facilities / areasbut prior to the constructionworks at the concernedfacilities / areas)	Implemented
7.8.3.1	The mitigation measures will be recommended in the RAP and would typically include the following:	Project Site / Construction	
	• Excavation profiles must be properly designed and executed with attention to the relevant requirements for environment, health and safety;	Phase	Implemented
	• Excavation shall be carried out during dry season as far as possible to minimise contaminated runoff from contaminated soils; Supply of suitable clean backfill material (or treated soil) after excavation;		N/A
	• Stockpiling site(s) shall be lined with impermeable sheeting and bunded. Stockpiles shall be fully covered by impermeable sheeting to reduce dust emission. If this is not practicable due to frequent usage, regular watering shall be applied. However, watering shall be avoided on stockpiles of contaminated soil to minimise contaminated runoff.		Implemented
	• Vehicles containing any excavated materials shall be suitably covered to limit potential dust emissions or contaminated wastewater run-off, and truck bodies and tailgates shall be sealed to prevent any discharge during transport or during wet conditions;		N/A
	Speed control for the trucks carrying contaminated materials shall be enforced;	]	N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	• Vehicle wheel and body washing facilities at the site's exist points shall be established and used; and		N/A
	• Pollution control measures for air emissions (e.g. from biopile blower and handling of cement), noise emissions (e.g. from blower or earthmoving equipment), and water discharges (e.g. runoff control from treatment facility) shall be implemented and complied with relevant regulations and guidelines.		N/A
Ecological Im	pact (Terrestrial and Aquatic)		
Construction	Phase		
8.10.2.1	Avoidance of Recognised Site of Conservation Importance Construction works are designed to be confined to the boundary of the existing YLSTW that direct impacts on all other sites of conservation importance within the assessment area, including the Ramsar Site, Priority Site, WCA, WBA, SSSI and CA would be avoided.	Project site / Construction Phase	Implemented
8.10.2.3 – 8.10.2.4	Avoidance of Demolition Works Using Breakers Mounted on Excavators and Percussive Piling during Dry SeasonIn order to minimise the construction noise disturbance on overwintering waterbirds, the noisy construction works, i.e. all percussive piling works and demolition using breakers mounted on excavators, would therefore be scheduled outside the dry season (i.e. November to March, which is the peak overwintering period of waterbirds).	Construction sites /Construction Phase	Implemented
8.10.2.5	Restriction of Construction Hours No construction activities with the use of PME should be conducted within 100m from any night roost confirmed by the pre-construction survey after 18:00 during wet season and 17:30 during dry season to avoid disturbance to the nearby ardeids night roosts.	Construction sites / Construction Phase	Implemented
8.10.3.2 – 8.10.3.3	Minimising Construction Noise Disturbance Impacts through Consideration of Alternative Construction         Methods         Demolition using concrete crusher is quieter than demolition using breaker that its construction noise         level is comparable to other general construction activities and concrete crusher would be used for         demolition works to be undertaken during dry season months. The quieter foundation methods,         including bored piling, raft foundation and shallow foundation, would be adopted as far as possible.	Construction sites / Construction Phase	Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
8.10.3.4 – 8.10.3.5	<ul> <li><u>Minimising Construction Noise Disturbance Impacts Through Careful Phasing of Construction Activities</u></li> <li>Percussive piling works and demolition using breakers mounted on excavators would typically be completed over two wet seasons and not be undertaken in the same construction zone at the same time to localise the construction disturbance and to reduce the duration of high level of disturbances on sensitive wetland habitats and associated waterbirds nearby each construction zone.</li> <li>Facilities in the eastern side of the Project site (i.e. Phase 1A and Phase 1B) are scheduled to be developed first that the new structures could screen the works in the middle and western parts of the site in later stage of the construction phase after the structures in Phase 1A and Phase 1B are completed, hence minimising the construction noise and human disturbance on sensitive wetland habitats adjacent to the Project site in Shan Pui River, including the confluence of Shan Pui River and Kam Tin River and ardeid night roost to the immediate east of the Project site.</li> </ul>	Project site / Construction Phase	Implemented
8.10.3.6 – 8.10.3.8	<ul> <li><u>Minimising Construction Noise Disturbance Impacts through Use of Noise Barriers</u></li> <li>Noise barriers with absorptive materials of about 4m high will be erected along the northern, eastern and western sides of the site, throughout the construction phase to screen the construction noise and human disturbance to the waterbirds foraging in ponds in Fung Lok Wai and Shan Pui River during construction phase.</li> <li>Adequate noise barriers should also be provided for demolition works using breakers mounted on excavators and percussive piling works, to further minimise the construction noise disturbance from these construction activities. Movable noise barriers should be provided to breaker mounted on excavator used for demolition works as discussed in Section 4.8 and acoustic mat should be provided to the piling plants around the rig.</li> <li>The contractor should provide enclosure for construction equipment, especially static plants, as appropriate to minimise the noise disturbance as far as practicable.</li> </ul>	Construction sites / Construction Phase	Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status	
8.10.3.9	3.9 <u>Use of Quality Powered Mechanical Equipment</u> The contractor should source QPMEs for construction as far as practicable to further minimise the overall construction noise and other disturbance to the nearby wetland habitats and associated waterbirds to the maximum practical extent.		Implemented	
Ecology & Fishe	eries Impact			
8.12.1.4, 9.7	Groundwater observation wells and recharge wells will be provided at the northern and western side of the site. Groundwater table will be closely monitored at the observation well. In case of any unlikely events of abnormal drawdown of groundwater table near the excavation area, groundwater dewatering will stop and water will be pumped into the recharge wells to recover the normal groundwater table as necessary.	Construction Phase	N/A	
Fisheries Impac	t			
9.7	The implementation of good site practices during construction could minimise the potential water quality impacts from the land-based construction works. Mitigation measures recommended in the Water Quality Impact Assessment (Section 5) for controlling water quality impact would also serve to protect fisheries resources and activities from indirect impacts.	Construction and Operation Phase	N/A	
Landscape and	Visual Impact			
Table 10.11	Preservation of Existing Vegetation (CM1) All the existing Trees to be retained and not to be affected by the Project shall be carefully protected during construction accordance with DEVB TCW No. 7/2015 - Tree Preservation and the latest Guidelines on Tree Preservation during Development issued by GLTM Section of DevB. Any existing vegetation in landscaped areas and natural terrain not to be affected by the Project shall be carefully preserved.	Project site / Construction Phase	Implemented	
Table 10.11	<u>Transplanting of Affected Trees (CM2)</u> Trees unavoidably affected by the works shall be transplanted as far as possible in accordance with DEVB TCW No. 7/2015 - Tree Preservation and the latest Guidelines on Tree Transplanting issued by GLTM Section of DevB.	Project site / Construction Phase	Implemented	

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status	
Table 10.11	<u>Compensatory Tree Planting (CM3)</u> Any trees to be felled under the Project shall be compensated in accordance with DEVB TCW No. 7/2015 - Tree Preservation. For trees to be compensated on slopes, the guidelines for tree planting stipulated in GEO Publication No. 1/2011 will be followed.	Project site / Construction Phase	N/A	
Table 10.11	<u>Control of Night-time Lighting Glare (CM4)</u> All the night time lighting shall be avoided except for safety purpose. No light glare shall illuminate directly outside the site.	Project site / Construction Phase	Implemented	
Table 10.11	Erection of Decorative Screen Hoarding (CM5) Site hoardings, if any, shall be painted in dull green colour	Project site / Construction Phase	Implemented	
Table 10.11	Management of Construction Activities and Facilities (CM6) Construction activities shall be well scheduled and avoid powered mechanical equipment's operating simultaneously. All stockpiling areas and idled area shall be covered by tarpaulin sheet or hydroseeded as far as possible.	Project site / Construction Phase	Implemented	
Hazard to Life Construction Pl				
11.5.6.9- 11.5.6.12	<ul> <li>Implementation of those major construction works and movement of plants and vehicles would be stringently controlled to have a setback of at least 15m clear distance, or physical barrier with an empty digester / gas holder from the digesters / gas holders in operation;</li> </ul>	Project site / Construction Phase	N/A	
	• For those construction works to be carried out in close proximity to the 15m zone from digesters / gas holders in operation, the height of plants for those major construction shall be limited to 15m such that the plants would not damage digesters /gas holders in such incident as plant collapse or overturning;		N/A	
	• Whenever practicable, the construction sequence shall be arranged with empty unit(s) for separating the major construction works from these digesters / gas holders in use; and		N/A	

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	• Physical barriers such as concrete blocks shall be set up at the 15m zone in order to avoid those construction plants or vehicles from colliding to the digester / gas holder units in use.		N/A
11.5.8	• Method statements and risk assessments shall be prepared and safety control measures shall be in place before commencement of work	Project site / Construction Phase	Implemented
	<ul> <li>All work procedures shall be complied with the operating plant procedures or guidelines and regulatory requirements;</li> </ul>		Implemented
	• Work permit system, on-site pre-work risk assessment and emergency response procedure shall be in place before commencement of work;		Implemented
	• All construction workers shall equip with appropriate personal protective equipment (PPE) when working at the Project Site;		Implemented
	<ul> <li>Safety training and briefings shall be provided to all construction workers;</li> </ul>		Implemented
	<ul> <li>Regular site safety inspections shall be conducted during the construction phase of the Project;</li> </ul>		Implemented
11.9.1.2	• Ensure speed limit enforcement is specified in the contractor's method statement to limit the speed of construction vehicles onsite;	Project site / ConstructionPhase	Implemented
	• Conduct speed checks to ensure enforcement of speed limits and to ensure adequate site access control ;		N/A
	• A lifting plan, with detailed risk assessment, should be prepared and endorsed for heavy lifting of large equipment;		Implemented
	• Vehicle crash barriers should be provided between the construction site and the operating biogas facilities;	-	N/A
	• Ensure that a hazardous are classification study is conducted and hazardous area maps are updated before the start of the construction activities to ensure ignition sources are controlled during both construction and operation phases;	-	Implemented
	• Ensure work permit system for hot work activities within the Project Site is specified in the contractor's method statement to minimize and control the ignition sources during the construction phase;	-	Implemented
	• Ensure effective communication system / protocol is in place between the contractors and the operation staff;		Implemented
	• Ensure the Project Construction Emergency Response Plan is integrated with the Emergency Response Plan for the YLEPP during construction phase. The plan should address stop work instructions to be promptly communicated to all construction workers performing hot works in case a confirmed biogas detection at the Project Site;		N/A

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	• Ensure that the construction activities do not impede the functions of fire and gas detection system,		N/A
	<ul> <li>fire protection system, muster areas, fire-fighting vehicle access and escape routes;</li> <li>Ensure a Job Safety Analysis is conducted for construction activities of the Project during the</li> </ul>		Implemented
	construction phase, to identify and analyze hazards associated with the construction activities (e.g. lifting operations by cranes) onto the operating biogas facilities.		Implemented
	Potential risks of the construction activities shall be assessed, and risk precautionary measures shall be implemented in Contractor's works procedures.		Implemented

Note:

Implementation status: Implemented / Partially Implemented / Not Implemented / Not Applicable (N/A)

## **Appendix K**

Weather and Meteorological

UGRO

Conditions

### September 2021 Weather

### Station: Wetland Park

Date	Mean		Air Temperature		Mean Relative	Total
	Pressure (hPa)	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)	Humidity (%)	Rainfall (mm)
			September 202	1		
1	1009.5	32.2	27.7	26.0	91	4.5
2	1008.5	32.4	28.6	26.1	87	4
3	1007.0	33.2	29.1	26.0	83	0
4	1007.8	33.6	28.9	25.7	84	1
5	1009.6	32.9	27.9	25.7	90	4
6	1010.2	32.8#	28.3	25.4#	87	3.5
7	1010.0	32.6#	28.9	26.4#	83	0.5
8	1009.0	33.7	29.3	26.2	83	0.5
9	1008.8	34.5#	29.1	25.1#	82	0
10	1007.7	35.5	30.2	26.8	75	0
11	1004.0	34.9	30.3	26.3	80	0.5
12	1001.6	35.6	31.3	29.3	80	0
13	1006.2	34.5	30.5	28.5	84	0
14	1011.4	33.3#	28.1	25.0#	91	1
15	1011.5	34.2	30.2	26.3	79	0
16	1009.8	33.4	28.8	24.6	84	4
17	1009.5	33.5#	27.7	25.2#	89	0
18	1011.3#	33.7#	29.7#	26.4#	80#	0.5#
19	1011.5	33.4	29.3	26.9	85	0
20	1010.7	32.3	28.1	26.0	90	26.5
21	1009.9	33.9	27.8	25.7	90	2
22	1010.8	33.5	29.0	25.9	85	1.5
23	1013.4	29.7	27.1	25.1	92	3
24	1014.0	32.6	28.8	25.6	84	3.5
25	1013.0	33.0	29.4	26.7	76	0
26	1012.6	32.5	28.4	25.6	77	0
27	1011.1	33.8	28.7	25.1	82	0
28	1009.9	33.7	29.3	26.3	80	0
29	1008.6	33.9	29.6	26.4	81	0
30	1008.4	34.4	30.1	26.9	83	0

Note (From Hong Kong Observatory):

1. # Data incomplete

2. Rainfall measured in increment of 0.5 mm. Amount of < 0.5 mm cannot be detected

Source: Hong Kong Observatory

### **October 2021 Weather**

Station: Hong Kong Observatory

	Mean		Air Temperatur	e	Mean Relative	Total	
Date	Pressure (hPa)	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)	Humidity (%)	Rainfall (mm)	
October 2021							
1	1009.1	33.1	30.3	28.8	79	Trace	
2	1011.0	32.9	30.0	28.3	74	0	
3	1012.4	29.9	28.8	27.0	79	1.9	
4	1012.5	32.7	29.8	28.1	71	0	
5	1011.4	32.8	30.1	28.7	69	Trace	
6	1008.5	31.7	29.5	27.6	69	Trace	
7	1005.7	30.8	28.8	25.0	75	43.9	
8	1004.6	26.8	25.5	24.7	94	329.7	
9	1004.9	27.9	26.5	25.3	91	130.3	
10	1008.0	27.9	26.8	25.3	86	45.1	
11	1005.4	32.7	28.5	26.0	68	0	
12	1001.3	26.4	25.1	23.6	65	0.2	
13	1002.5	27.4	25.8	22.9	89	57.7	
14	1009.2	30.0	27.8	26.1	86	13.3	
15	1010.4	27.6	26.2	25.2	85	4.6	
16	1013.8	30.3	26.8	24.3	73	Trace	
17	1018.0	28.0	24.2	22.2	68	0	
18	1018.3	27.7	23.9	20.9	70	0	
19	1017.8	28.9	25.7	23.5	75	0	
20	1015.9	29.8	26.8	25.0	78	0.1	
21	1014.9	28.2	24.2	19.3	80	0.7	
22	1019.2	20.5	19.3	18.2	77	Trace	
23	1020.1	22.7	20.5	18.3	75	0	
24	1018.9	26.6	22.1	19.8	69	0	
25	1016.6	27.5	23.1	19.7	66	0	
26	1015.8	28.3	25.1	22.7	69	0	
27	1016.7	27.0	25.6	24.9	76	Trace	
28	1017.9	28.0	25.7	24.2	77	0.1	
29	1018.2	27.7	25.5	23.9	76	1.1	
30	1018.8	26.2	24.4	23.0	81	2.4	
31	1018.7	26.1	24.3	23.4	75	0	

Note (From Hong Kong Observatory): Trace means rainfall less than 0.05 mm

Source: Hong Kong Observatory

Remark: The corresponding weather station at Wetland Park were unavailable at the time of preparation of this report. The corresponding month's weather will be provided in the next reporting month.

### **Appendix L**

Cumulative Statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

UGRO

### Environmental Complaints Log

Reference No.	Date of Complaint Received	Received From	Received By	Nature of Complaint	Date of Investigation	Outcome	Date of Reply

### **Cumulative Statistics on Complaints**

Environmental Parameters	Cumulative No. Brought Forward	No. of Complaints This Month	Cumulative Project-to- Date
Air	0	0	0
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	0	0	0

### Cumulative Statistics on Notification of Summons and Successful Prosecutions

Environmental Parameters	Cumulative No. Brought Forward	No. of Notification of Summons and Prosecutions This Month	Cumulative Project-to- Date
Air	0	0	0
Noise	0	0	0
Water	0	0	0
Waste	0	0	0
Total	0	0	0

# **Appendix M**

ET Leader's Site Environmental Audit

### Summary of ET Leader's Site Environmental Audit in the Reporting Month

Parameters	Date	Observations and Recommendations	Follow-up		
Air Quality	NA				
Noise	NA NA				
Water Quality	12 Oct 2021	Observation 1: Provide mitigation to prevent direct discharge of silt water into the storm drain (Portion 1 – YLSTW). Observation 2: Gullies should de-silt near the main entrance of the piling area (Portion 1 – YLSTW).	12 Oct 2021		
		Reminder 1: The Contractor is reminded to provide sandbags along inner edge of U channel to prevent inflow of silty runoff (Portion 1 – YLSTW).			
Chemical and Waste Management	NA				
Land Contamination	NA				
Ecological Impact	NA				
	6 Oct 2021	Recommendation 1: Trees behind the dismantling changing room at south boundary should be properly protected according to GLTM of DevB recommended measures or specification for the project (Portion 1 – YLSTW).	6 Oct 2021		
Landscape and Visual Impact	12 Oct 2021	Observation 1:Demolition of changing room ensure removal of concrete debris process do not causing unnecessary damage of12 Oct 2021branches by backhoe (Portion 1 – YLSTW).Observation 2: Re-alignment of water barrier to enlarge Tree Protection Zone (Portion 1 – YLSTW).			
	20 Oct 2021	Reminder 1: Demolition works at changing room area should be handled with care to protect trees (Portion 1 – YLSTW).	20 Oct 2021		
Permit / Licenses	NA				
Others	NA				

## **Appendix N**

Outstanding Issues and Deficiencies



Summary of Outstanding Issues and Deficiencies in the Reporting Month					
Parameters	Outstanding Issues	Deficiencies			
Air Quality	NA				
Noise	NA				
Water Quality	NA				
Chemical and Waste Management	NA	Any items of deficiencies can be referred to <b>Appendix M</b> .			
Land Contamination	NA				
Landscape and Visual Impact	NA				
Permit / Licenses	NA				
Others	NA				

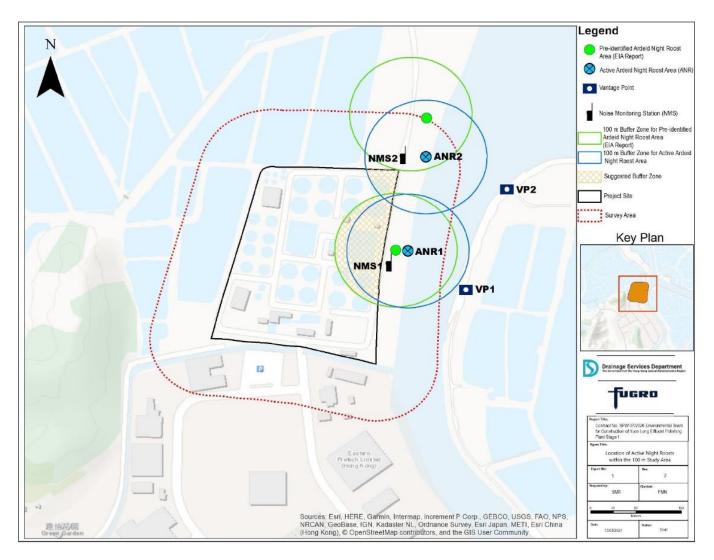
#### immary of Outstan a Issues and Deficiencies in the Reporting Month - I **:** . . .

## **Appendix O**

Active Night Roost Monitoring Area and Vantage Points; and Noise Monitoring Stations



O.1 Map of the Monitoring Area, Vantage Points for Observation of Active Night Roosts and Noise Monitoring Stations



Appendix O.1: Monitoring Area, Vantage Points for Observation of Active Night Roosts and Noise Monitoring Stations

### O.2 Survey Photos

### O.2.1 Pre-roosting Aggregate



Appendix O.2.1a: Pre-roost aggregate of Chinese Pond Heron *Ardeola bacchus*, Great Egret *Ardea alba* and Little Egret *Egretta garzetta* in the mudflat area east of the Project boundary observed on 19 October 2021 around 16:55

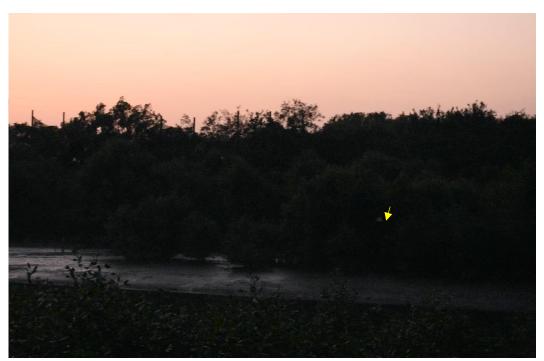


Appendix O.2.1b: Pre-roost aggregate of Chinese Pond Heron *Ardeola bacchus*, Great Egret *Ardea alba* and Little Egret *Egretta garzetta* in the mudflat area northeast of the Project boundary observed on 19 October 2021 around 16:55



O.2.2 Active Night Roosting Site and Roosting Substrates

Appendix O.2.2a: Active night roost on *Sonneratia apetala* and *S. caseolaris* mangrove roosting substrate located east of the Project boundary observed on 19 October 2021 around 18:03

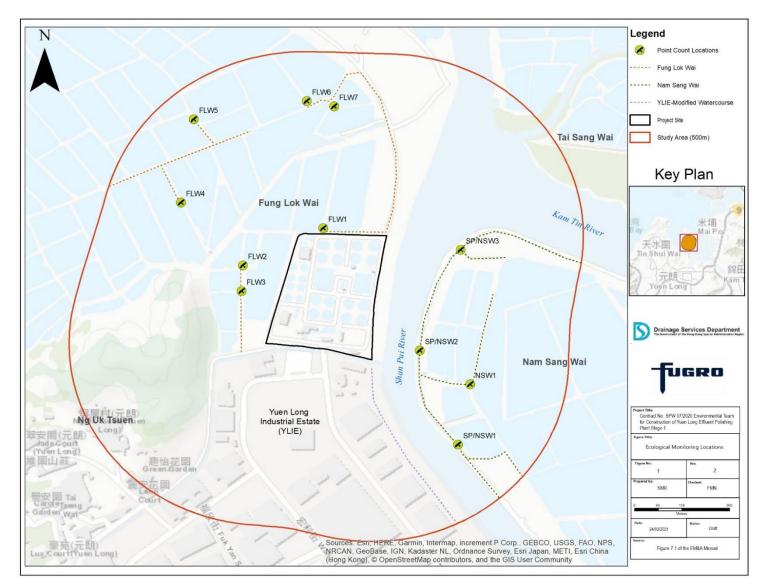


Appendix O.2.2b: Active night roost on *Sonneratia apetala* and *S. caseolaris* mangrove roosting substrate located northeast of the Project boundary observed on 19 October 2021 around 18:03

### **Appendix P**

Ecological Bird Monitoring Area with Locations of Point Count Sites and Transect Routes





Appendix P: Ecological bird monitoring area with the locations of point count sites and transect routes

### **fugro**