## Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

Monthly EM&A Report (December 2024) Drainage Services Department

2025-01-14



Sringing ideas

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

Attn: Mr. Simon H.M. YEUNG - CRE(C)

	Contract No. SPW 04/2024		
Our Reference EC/TC/BW/T601100483/ 02/02/L074	Independent Environmental Checker for Construction of Yuen Long Effluent Polishing Plant Stage 1 (2024-2025)		
	Environmental Permit No. EP-565/2019/A		
Mott MacDonald	EP Condition 3.4 – Monthly EM&A Report for December 2024		
3/F Manulife Place 348 Kwun Tong Road Kwun Tong Kowloon Hong Kong T +852 2828 5757	15 January 2025 <b>By Hand and By Email</b> Dear Sir,		
F +852 2828 5757 F +852 2827 1823 mottmac.hk	I refer to the captioned Monthly EM&A Report for December 2024 (Revision 1) which was received via e-mail and certified by the Environmental Team Leader on 15 January 2025 (ref.: PL-202501031).		
	I have no comment on the captioned report and hereby verify that this submission has complied with the requirements set out in the EM&A Manual (in particular Sections 12.4.1 and 12.4.4) for the captioned project, in accordance with Condition 3.4 of Environmental Permit No. EP-565/2019/A.		
	Should you have any queries regarding the captioned or require any further information, please contact the undersigned at 2828 5875.		
	Yours faithfully for MOTT MACDONALD HONG KONG LIMITED		
	Fuzel		
	Brandon Wong Independent Environmental Checker		

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Ref: PL-202501031

15 January 2025

Mott MacDonald 3/F Manulife Tower, 348 Kwun Tong Road, Kwun Tong, Kowloon, Hong Kong

Attn: Mr. Brandon Wong, IEC

Dear Sir,

Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1 Environmental Permit No. EP-565/2019/A EP Condition 3.4 – Monthly EM&A Report for December 2024

Pursuant to Clause 3.4 of Environmental Permit No. EP-565/2019/A for the captioned project, we are pleased to submit the certified Monthly EM&A Report for December 2024 (Rev.1) for your verification.

Should you have any queries regarding the captioned or require any further information, please contact the undersigned at 2531 0243.

Yours faithfully, For and on behalf of Aurecon Hong Kong Limited

Vincent M. J. Lu Environmental Team Leader

Encl.

cc. AECOM – Mr. Patrick Leung (<u>patrick.leung@ylepp-aecom.com</u>) Paul Y. - CREC Joint Venture – Mr. Gabriel Wong (<u>gabriel.wong@crec.com.hk</u>) By Email

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# EXECUTIVE SUMMARY

This Monthly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. SPW 02/2023 "Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1". Drainage Services Department (DSD) has appointed Aurecon Hong Kong Limited (Aurecon) to undertake the Environmental Team services for the project and implement the EM&A works.

This is the 45<sup>th</sup> Monthly EM&A Report for the construction phase which summaries findings of the EM&A programme during the reporting period from 1 December 2024 to 31 December 2024. As informed by the Contractor, major activities in the reporting month were:

- Fixing GRC panel at CLP Substation
- ELS works and pipeworks at emergency bypass chamber
- ABWF, E&M work and RC structure at IW
- ABWF and E&M works at PST
- ELS work at SDB
- External works at site-wide of predrilling at walkway and water meter cabinet
- ELS work at AGS
- ELS work at TTS
- RC Structure at STB
- Demolish Existing SDT 1-4
- ELS work at Sludge Digester no. 1-3
- E&M work at Biogas Holder no. 1
- Disposal of construction waste as indicated in Appendix I.

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

No Action and Limit Level exceedance was recorded for air quality monitoring and construction noise monitoring in the reporting month.

No Action and Limit Level exceedance was recorded for water quality monitoring in the reporting month.

No Action / Limit 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.

No Action / Limit exceedance for the ecological monitoring of birds in the reporting month.

No corrective actions were required according to the Event and Action Plans for the Monitoring Parameters.

#### Land Contamination

Regular site inspection was carried out to ensure the recommended mitigation measures are properly implemented. The signed final Contamination Assessment Report (CAR) for "Main Storeroom & Workshops", "Mechanical Workshop", "Waste Storage Area", "SAS Thickener House-1", "SAS Thickener House-2"and "Screening Press House" were submitted to EPD respectively on 1st November 2021, 23rd November 2021, 29th April 2022, 6th July 2022, 19th June 2023 and 29 October 2024. No contaminated soil and ground water was found within the Main Storeroom & Workshop, Mechanical Workshop, Waste Storage Area, SAS Thickener House-1, SAS Thickener House-2 and Screening Press House, and no remedial action is required for these locations.

#### **Complaint Log**

No complaints were received in the reporting period.

#### **Notifications of Summons and Successful Prosecutions**

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

#### **Reporting Change**

There were no reporting changes during the reporting month.

#### **Future Key Issues**

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

- Fixing GRC panel at CLP Substation
- ELS works and pipeworks at emergency bypass chamber
- ABWF, E&M work and RC structure at IW
- ABWF and E&M works at PST
- ELS work at SDB
- External works at site-wide include water meter cabinet
- ELS work and RC structure at AGS
- RC structure at TTS
- ABWF, E&M work and RC structure at STB
- Demolish Existing SDT 1-4 and Gas Holder GH2
- ELS work and RC structure at Sludge Digester no. 1-3
- E&M work at Biogas Holder no. 1

# 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. This 72-month works contract commenced on 9 November 2020. Demolition of existing YLSTW for construction of new treatment facilities are in progress.
- 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. Variation of the Environmental Permit (EP) (EP No. EP-565/2019/A) was issued by EPD on 26 November 2024.
- 1.1.4 Fugro Technical Services Limited was 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") for the period from July 2020 to 6 July 2023.
- 1.1.5 Aurecon Hong Kong Limited (Aurecon) 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 from July 2023. Air quality, noise, water quality and ecological monitoring, site inspections and auditing (as scheduled) under EM&A programme with effect from 7 July 2023 was conducted by Aurecon. Aurecon is undertaking the preparation (including reporting of monitoring results), certification by ET Leader and submission of this report to EPD.
- 1.1.6 All ET roles and responsibilities under the EP for this Project were undertaken by Fugro up to 6 July 2023 and by Aurecon with effect from 7 July 2023. Air quality, noise, water quality and ecological monitoring, site inspections and auditing (as scheduled) under EM&A programme up to 6 July 2023 was conducted by Fugro, and the corresponding monitoring results were shared with Aurecon for the purposes of reporting in this report.
- 1.1.7 This is the 45<sup>th</sup> Monthly EM&A report to document the findings of site inspection activities and EM&A programme for this project from 1 December 2024 to 31 December 2024 (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**.

 Table 1
 Contact Information of Key Personnel

Party	Position	Name	Telephone
Project Proponent (Drainage Services Department)	Engineer	Mr. Wallace Cheng	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 (Mott MacDonald Hong Kong Limited)	Independent Environmental Checker (IEC)	Mr. Brandon Wong	2828 5875
Contractor	Environmental Specialist	Mr. Gabriel Wong	5269 5723
(Paul Y CREC Joint Venture)	Environmental Officer	Mr. Henry Lau	5490 5271
Environmental Team (Aurecon Hong Kong Limited)	Environmental Team Leader (ETL)	Mr. Vincent Lu	6346 5908

### **1.3 Construction Programme and Activities**

1.3.1 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:
  - Fixing GRC panel at CLP Substation
  - ELS works and pipeworks at emergency bypass chamber
  - ABWF, E&M work and RC structure at IW
  - ABWF and E&M works at PST
  - ELS work at SDB
  - External works at site-wide of predrilling at walkway and water meter cabinet
  - ELS work at AGS
  - ELS work at TTS
  - RC Structure at STB
  - Demolish Existing SDT 1-4
  - ELS work at Sludge Digester no. 1-3
  - E&M work at Biogas Holder no. 1
- 1.4.2 The environmental 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 status of the relevant permits, licenses and/or notifications on environmental protection for this project is presented in **Table 2**.

Table 2	Environmental Licenses,	Notification and Permits Summary
---------	-------------------------	----------------------------------

Permit/ Notification/ License	Reference No	Valid From	Valid Till
Environmental Permit	EP-565/2019/A	26-Nov-2024	The whole construction and operation period of the Project
Notification of Works under APCO	461616	6-Nov-2020	The whole construction and operation period of the Project
Construction Waste Disposal Billing Account	7038933	20-Nov-2020	The whole construction and operation period of the Project
Registration as Chemical Waste Producer under WDO	WPN5213-528- P2796-03	4-Feb-2021	The whole construction and operation period of the Project
Construction Noise Permit	GW-RN1253-24	17-Nov-2024	16-Apr-2025
Construction Noise Permit	GW-RN0998-24	6-Sep-2024	5-Feb-2025
Water Pollution Control Ordinance (WPCO) (CAP. 358) Licence pursuant to Section 20 (Variation of Licence Pursuant to Section 28 of WPCO)	WT00038102- 2021	4-Aug-2021 (Variation approved on 11- Dec-2023 with immediate effect)	31-Aug-2026
Marine Dumping Permit (Type 1 – Open Sea Disposal)	EP/MD/25-009	28-Jun-2024	27-Dec-2024
Marine Dumping Permit (Type 1 – Open Sea Disposal (Dedicated Site) and Type 2 – Confined	EP/MD/25-028	28-Sep-2024	27-Dec-2024
Marine Dumping Permit (Excavated Sediment of Category L - Suitable for Capping Exhausted Contaminated Mud Pits)	EP/MD/25-023	26-Aug-2024	25-Feb-2025
Disposal of Special waste at Landfills Admission Ticket (Pond Sediment)	Admission Ticket Number: 94981	1-Oct-2024	31-Dec-2024
Disposal of Special waste at Landfills Admission Ticket (Sludge)	Admission Ticket Number: 100984	9-Dec-2024	10-Mar-2025
Revised Sediment Quality Report (SQR)	(19) in EP60/G1/12- 583V	4-Dec-2024	3-Dec-2025

# 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 details of the air quality monitoring equipment used are summarized in **Table 3**.

#### Table 3 Air Quality Monitoring Equipment

ltem	Location	Brand	Model	Equipment	Serial No.
1	AM1	Cilcoto	Model LD-5R	SIBATA LD-5R Digital Dust	882106,
2	AM2	Sibata		Indicator	882107

### 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 02/2023 "Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1".
- 2.5.2 The most updated locations are summarized in **Table 4** and the locations of the air monitoring stations shown in **Figure 2**.

 Table 4
 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 and meteorological conditions during the monitoring are provided in **Appendix K**.
- 2.6.5 The Air Quality Monitoring Results of 1-hr TSP are summarized in **Table 5**. Detailed monitoring data are presented in **Appendix F**.

Table 5 Summary of Air Quality Monitoring Results

Monitoring Station	Average (μg/m³)	Range (µg/m³)	Action Level (µg/m³)	Limit Level (µg/m³)	
1-hour TSP					
AM1	44	40-48	291	500	
AM2	43	39-47	296	500	

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 6**.

Monitoring Station	EIA ID	Predicted Maximum Hourly Average TSP Concentration (µg/ m³)	Maximum 1-hr TSP Monitoring Results in December 2024 (μg/ m³)
		Content	
AM1	ASR A09	205 454	48
AM2	ASR A11	205-451	47

 Table 6
 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 details of the noise monitoring equipment used are summarized in **Table 7**.

ltem	Brand	Model	Equipment	Serial No.
1	NTi Audio	XL2	NTi Audio XL2 Digital Sound Level Meter	A2A-09696-E0
2	NTi Audio	XL2	NTi Audio XL2 Digital Sound Level Meter	A2A-13548-E0
3	NTi Audio	XL2	NTi Audio XL2 Digital Sound Level Meter	A2A-13663-F0
4	RION	NC-75	RION NC-75 Acoustic Calibrator	34724244
5	RION	NC-75	RION NC-75 Acoustic Calibrator	34724245
6	RION	NC-75	RION NC-75 Acoustic Calibrator	34524163

 Table 7
 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 8**.

Table 8 Monitoring Parameters and Frequencies of Noise Monitoring

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 consider 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 02/2023 "Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1".
- 3.6.2 The most updated locations are summarized in **Table 9** and the locations of the noise monitoring stations shown in **Figure 3**.

 Table 9
 Construction Noise Monitoring Location

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	

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 and meteorological conditions during the monitoring month are provided in **Appendix K**.
- 3.7.5 The Construction Noise Monitoring Results are summarized in **Table 10**. Detailed monitoring data are presented in **Appendix F**.

Time Period	Noise Monitoring Stations	Leq (30min) dB(A) (Range)	Action Level	Limit Level dB(A)
0700-1900 hrs on normal weekdays	CM1	59.4 - 61.2	When one	75
	CM2	56.6 - 60.4	documented	75
	CM3	56.6 – 58.9	complaint is received	75

Table 10 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 Construction Noise have been set and are presented in **Appendix C**.
- 3.7.7 The Event and Action Plan for Construction 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** 11.

Monitoring Station	EIA ID	Maximum Predicted Mitigated Construction Noise Level L <sub>eq</sub> (30min) dB(A)	Maximum Construction Noise Level in December 2024 L <sub>eq</sub> (30min) dB(A)
CM1	NSR1	72	61.2
CM2	NSR2	74	60.4
CM3	NSR3	75	58.9

 Table 11 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 12**. 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**.

Table 12	Water	Quality	Monitoring	and	Sampling	Equipment
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Parameter	Equipment	Model	Range	Equipment Accuracy	Serial No.
Temperature Dissolved Oxygen Salinity pH Turbidity	YSI Water Quality Multipara meter Sonde	Xylem ProDSS	Kylem ProDSS         Tem: -5 to 50°C DO: 0-50mg/L         Temp: ±0.2°C; DO: ±0.1mg/L or 1% for 0- 20mg/L; ±8% for 20-50mg/L           Sal: 0 to 70ppt pH: 0 to 14 pH units Turb: 0- 4000NTU         Sal: ±1% of reading or 0.1 ppt (whichever is greater)           pH: 0 to 14 pH units Turb: 0- 4000NTU         pH: ±0.2 units Turb: ±3% or 0.3NTU (FNU) (whichever greater)		15M101091
Current Velocity and Direction	Current Meter	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	N/A
Water Sampling	Water Sampler	Aquatic Research Instruments 2.2L Horizontal Water Sampler HWS2.2CP	N/A	N/A	N/A
Positioning	DGPS	GARMIN GPSMAP 78s	N/A	GPS: ±1m	N/A
Water Depth	Echo Sounder	Garmin ECHO 101	Maximum depth: 457.2 m	0.1 m	N/A

### 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 13**.

 Table 13 Monitoring Parameters and Frequency

Parameters	Monitoring Frequency
In-situ Measurement Turbidity (in NTU), pH, DO (in mg/L and % of saturation), Temperature (in °C), Salinity (in ppt) Laboratory Analysis 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 Acumen Laboratory and Testing Limited (HOKLAS Reg: No.241) 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 **Table 14** and the locations of the water quality monitoring stations shown in **Figure 4**.

Table 14 Coordinates of Water Quality Monitoring Locations

	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
М3	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	820 335

### 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 The weather and meteorological conditions during the monitoring are provided in **Appendix K**.
- 4.8.4 Number of Action/ Limit exceedance recorded in the reporting month at each impact stations is summarized in **Table 15**.

Sampling Location	Exceedance Level	DO		Turbidity		Suspended Solids		Total	
	Levei	Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb
Ma	Action	0	0	0	0	0	0	0	0
M1	Limit	0	0	0	0	0	0	0	0
M2	Action	0	0	0	0	0	0	0	0
IVIZ	Limit	0	0	0	0	0	0	0	0
M3	Action	0	0	0	0	0	0	0	0
IVIS	Limit	0	0	0	0	0	0	0	0
Total	Action	0	0	0	0	0	0	(	)
	Limit	0	0	0	0	0	0	(	)

#### Table 15 Summary of Water Quality Exceedance

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

### 4.9 WetSeps

Four WetSeps are deployed within the site for treatment of the site runoff prior to disposal in compliance with the conditions stipulated in the water discharge license (Variation of WPCO Discharge Licence was approved by EPD on 11 December 2023 with immediate effect).

# 5 ECOLOGY MONITORING

### 5.1 Ardeid Night Roost Monitoring

### 5.1.1 Monitoring Requirement

With reference to the Pre-construction Ardeid Night Roost survey (December 2016) 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 Ardeid Night Roost Monitoring 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 (Survey Area) 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 Ardeid Night Roost Monitoring Survey focused on the two active night roosts within the Survey Area (100 m from the Project boundary) that were previously confirmed during the preconstruction Survey. These roosts include one that was approximately 40 m east of the Project boundary and another 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 8x 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 18 December 2024.

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 as 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 16:44, the earliest final night roost period recorded during the survey and lasted for 30 minutes. **Table 16** presents the monitoring parameters.

Table 16	<b>Noise Monitoring</b>	<b>Parameters</b>	(For Active	Ardeid Night	Roost Survey)
10010 10	iteree merineering	i aramotoro	(	,	

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 18 December 2024 and started around 16:43 (one hour before sunset) on a low tide condition. During the pre-roost period (PRP), the period when avian individuals gather first before flying into a night roost, individuals of Chinese Pond *Heron Ardeola bacchus* (4), Great Egret *Ardea alba* (1) and Grey Heron *Ardea cinerea* (1) were observed in pre-roost aggregate (PRA) around 17:28 at the mudflat east side ANR1 of the Project boundary while individuals of Chinese Pond Heron *Ardeola bacchus* (18), Great Egret *Ardea alba* (1) and Little Egret *Egretta garzetta* (2) were concurrently noted at the mudflat northeast side ANR2 of the Project boundary (Table 17).

For the final night roost at around 17:45, individuals of Chinese Pond Heron *Ardeola bacchus* (8), Great Egret *Ardea alba* (2) and Grey Heron *Ardea cinerea* (1) were observed at the roosting area ANR1 utilizing the understory to canopy layer of the roosting substrate *Sonneratia apetala* and *S. caseolaris*; while other individuals of Chinese Pond Heron *Ardeola bacchus* (27), Great Egret *Ardea alba* (6) and Little Egret *Egretta garzetta* (3) were noted at ANR2 that utilized the understory to canopy layer of the aforementioned roosting substrate.



No disturbance (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 17 Active Ardeid Night Roost Survey Findings

Date: 18 December 2024			Sunset Time: 17:43	Tidal Condition: Low Tide			
	Pre-roost Period			Final roost Period			
Time of Return:	Chinese Pond Heron <i>Ardeola bacchus</i> , Great Eg alba, Little Egret <i>Egretta garzetta</i> and Grey <i>Ardea cinerea</i> (17:28)		Time of Return:	alba, Little Egret Egretta	a bacchus, Great Egret Ardea garzetta and Grey Heron erea (17:45)		
Parameters	Location		Parameters	Loca	Location		
	ANR1	ANR2		ANR1	ANR2		
Pre-roost Aggregation (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.					
Ardeid Species	Abundance (individuals)		Ardeid Species	Abundance (individuals)			
Composition	ANR1	ANR2	Composition	ANR1	ANR2		
Chinese Pond Heron Ardeola bacchus	4	18	Chinese Pond Heron Ardeola bacchus	8	27		
Great Egret <i>Ardea alba</i>	1	1	Great Egret Ardea alba	2	6		
Little Egret Egretta garzetta	-	2	Little Egret Egretta garzetta	-	3		
Grey Heron Ardea cinerea	1	-	Grey Heron Ardea cinerea	1	-		
Breeding Activity (Y/N):	ANR1			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

-: not recorded

#### 5.1.3.2 Noise Monitoring

Noise monitoring activities were conducted on 18 December 2024 in concurrence with the construction phase monthly monitoring of the pre-identified active night roosts. Noise monitoring started at 17:45 and lasted for 30 minutes, until 18:15.

Current survey results showed noise levels (LAeq (30 min.)) at both monitoring stations to be well below the action and limit levels as presented in **Table 18**.

Table 18 Noise Monitoring Parameters (For Active Ardeid Night Roost Survey)

Frequency and Period	Location	Start Time	LAeq (30 min.)	Action Level	Limit Level
Monthly in concurrence with the	NMS1	17:45	56.6		
construction phase monthly monitoring of the active night roosts	NMS2	17:45	57.4	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

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

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

No Action / Limit 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.

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

No unpredicted indirect ecological impacts that arose from the project were 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 December 2024 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 *Ardeola bacchus*, Great Egret *Ardea alba*, Little Egret *Egretta garzetta* and Grey Heron *Ardea cinerea*.

#### 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)



was conducted 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 included 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 surveys on the different wetland habitats using the transect count and point count methods were conducted last 4 December 2024 (daytime) and 18 December 2024 (night-time) which started at around 07:15 and 18:00, respectively. Additionally, the survey overlooking the mudflats and mangroves in the Shan Pui River was concurrently conducted on the same date with the daytime survey during the low tide (generally 1.5m or below) period, and also started at around 07:15, respectively. 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.

#### Table 19 Noise Monitoring Parameters

urrence with the monthly ecological at the different point count locations

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 were 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; Pi = 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 4 December 2024 (daytime) which started at around 07:15 and 18 December 2024 (night-time) which started at around 18:00 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 daytime survey during the low tide (generally 1.5m or below) period around 07:15 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 1132 avifauna individuals were recorded in the monitoring area during the December 2024 monitoring period, of which 914 individuals were recorded from the point count method and 218 individuals from the transect walk method. Relative to the December 2016 baseline data (point count method = 530; and transect walk = 85), a significant increase was noted for both point count method and transect walk method.

Details of these findings are summarized in Table 20.



Abundance of all Avifauna Species						
EIA Report ID	EM&A Manual ID	December-16	December-24	Remarks		
Point Count Method	k					
P1	FLW1	12	12	=		
P2	FLW2	22	23	+		
P3	FLW3	16	4	-		
P4	FLW4	19	44	+		
P5	FLW5	75	75	=		
P6	FLW6	8	22	+		
P7	FLW7	8	59	+		
P9	SP/NSW3	206	333	+		
P10	SP/NSW2	86	83	-		
P11	NSW1	20	165	+		
P12	SP/NSW1	58	94	+		
Τα	otal	530	914	+		
M	ean	48	83	+		
Transect Walk Meth	nod					
Fung Lok Wai	FLW	41	62	+		
Nam Sang Wai	NSW	44	20	-		
YLIE-CW	YLIE-CW	0	136	+		
Тс	otal	85	218	+		
M	ean	28	73	+		

Table 20 Abundance of all Avifauna Species

Notes:

+ increased abundance;

- decreased abundance;

= no change in abundance.

No Action / Limit exceedance was recorded for the abundance of all avifauna species (including but not limited to overwintering waterbirds) for both the point-count and transect walk method.

### 5.2.3.1.2 Avifauna Species of Conservation Importance

Of the 1132 avifauna individuals recorded in the monitoring area during the December 2024 monitoring period, 704 individuals (point count method = 568 individuals; transect walk method = 136 individuals) were of conservation importance. With reference to December 2016 data, (point count method = 462; and transect walk = 16), an increase was noted for both the point count and transect walk methods. Details of these findings are summarized in **Table 21**.

Abundance of Species of Conservation Importance						
EIA Report ID	EM&A Manual ID	December-16	December -24	Remarks		
Point Count Method	k					
P1	FLW1	6	5	-		
P2	FLW2	21	8	-		
P3	FLW3	0	0	=		
P4	FLW4	11	8	-		
P5	FLW5	69	27	-		
P6	FLW6	3	14	+		
P7	FLW7	7	2	-		
P9	SP/NSW3	196	294	+		
P10	SP/NSW2	84	71	-		
P11	NSW1	11	93	+		
P12	SP/NSW1	54	46	-		
Т	otal	462	568	+		
M	ean	42	52	+		
Transect Walk Meth	nod					
Fung Lok Wai	FLW	13	16	+		
Nam Sang Wai	NSW	3	5	+		
YLIE-CW	YLIE-CW	0	115	+		
Т	otal	16	136	+		
M	ean	5	45	+		

Table 21 Abundance of Species of Conservation Importance

Notes:

+ increased abundance;

- decreased abundance;

= no change in abundance.

No Action / Limit exceedance was recorded for the abundance of Species of Conservation Importance in both point-count and transect walk method.

#### 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 62 avifauna species (species richness) were recorded during the December 2024 monitoring period, of which, 62 species were recorded by the point count method while 36 species were noted by the transect walk method. Relative to the baseline data (point count method = 35 species; transect walk method = 22 species), an increase in total species richness for both point count and transect walk method was recorded. In terms of Shannon diversity index (H') values, current result in point count method showed an increase (t-value = 10.42; t-crit = 1.96; p-value = 3.20E-24;  $\alpha = 0.05$ ) relative to the baseline reference value. The current results in the transect walk method showed an increase (t-value = 2.58; t-crit = 1.97; p-value = 1.08E-02;  $\alpha = 0.05$ ) from baseline reference value. Details of these findings are summarized in **Table 22**, **Appendix F.6.1**, and **Appendix F.6.2**.

<sup>1</sup> actual number of species

<sup>2</sup> use to account the proportion (in terms of relative abundance) of each species



Shannon Diversity Index Value of all Avifauna Species							
EIA Report ID	EM&A Manual ID	December-16	December-24	Remarks			
Point Count Method							
P1	FLW1	0.92	1.56	+			
P2	FLW2	0.37	1.48	+			
P3	FLW3	1.63	0.69	-			
P4	FLW4	1.64	2.62	+			
P5	FLW5	0.72	2.42	+			
P6	FLW6	1.07	1.80	+			
P7	FLW7	0.74	1.26	+			
P9	SP/NSW3	2.07	2.07	=			
P10	SP/NSW2	2.06	2.35	+			
P11	NSW1	1.64	2.01	+			
P12	SP/NSW1	2.33	2.59	+			
Over	all H'	2.46	3.19	+			
Species	Richness	35	62	+			
Transect Walk Meth	od						
Fung Lok Wai	FLW	2.48	2.74	+			
Nam Sang Wai	NSW	1.83	2.28	+			
YLIE-CW	YLIE-CW	**	2.31	+			
Over	all H'	2.67	3.00	+			
Species	Richness	22	36	+			

Table 22 Shannon Diversity Index Value of all Avifauna Species

Notes:

\*\* result when no species recorded; + increased Shannon diversity index (H'); - decreased Shannon diversity index (H'); = no change in Shannon diversity index (H')

No Action / Limit exceedance was recorded for the species diversity of all avifauna species in both point count and transect walk method.

### 5.2.3.2.2 Avifauna Species of Conservation Importance

Of the 62 avifauna species identified during the December 2024 monitoring period, 29 species were of conservation importance (point count method = 29 species; transect walk method = 15 species). Meanwhile, relative to the baseline values in December 2016 (point count method = 18 species; transect walk method = 5 species), an increase in the number of species with conservation importance for both the point count method and the transect walk method was recorded. In terms of Shannon diversity index (H'), an increase was noted in point count method (t-value = 5.11; t-crit = 1.96; p-value = 3.87E-7;  $\alpha$  = 0.05) while a significant increase in transect walk method (t-value = 3.72; t-crit = 2.06; p-value = 1.08E-3;  $\alpha$  = 0.05) was observed relative to the baseline reference values. Details of these findings are summarized in **Table 23**, and **Appendix F.6.3**.

Shannon Diversity Index Value of Species with Conservation Importance					
EIA Report ID	EM&A Manual ID	December-16	December-24	Remarks	
Point Count Method	1				
P1	FLW1	0	0.18	+	
P2	FLW2	0.19	0.90	+	
P3	FLW3	**	**	=	
P4	FLW4	0.99	1.07	+	
P5	FLW5	0.44	1.64	+	
P6	FLW6	1.10	1.24	+	
P7	FLW7	0.41	0.69	+	
P9	SP/NSW3	1.91	1.77	-	
P10	SP/NSW2	1.99	1.98	-	
P11	NSW1	0.30	0.44	+	
P12	SP/NSW1	2.16	1.94	-	
Overall H' 2.0		2.04	2.40	+	
Species	Richness	18	29	+	
Transect Walk Meth	od				
Fung Lok Wai	FLW	1.12	1.58	+	
Nam Sang Wai	NSW	0.64	1.05	+	
YLIE-CW	YLIE-CW	**	1.85	+	
Over	rall H'	1.39	2.09	+	
Species	Richness	5	15	+	

Table 23 Shannon Diversity Index Value of Species with Conservation Importance

Notes:

\*\* result when no species recorded; 0 computation result from only one recorded species;

+ increased Shannon diversity index (H'); - decreased Shannon diversity index (H'); = similar Shannon diversity index (H')

No Action / Limit exceedance was recorded for the species diversity of avifauna species with conservation importance in both point count and transect walk method.

## 5.2.3.3 Wetland Habitat Utilization

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

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 different wetland habitats were observed with Low to Moderate (L - M) abundance. In terms of species richness, different wetland habitats were generally observed with Very High (VH) number of species (**Table 24**).

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### Table 24 Wetland habitat utilization of all avifauna species

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

Notes:

Abundance of all avifauna species 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

Majority of the different wetland habitats had Very Low (VL) and Low to Moderate (L - M) abundance of avifauna species of conservation importance; and were generally utilized by Low to Moderate (L - M) number of species (**Table 25**).

### Table 25 Wetland habitat utilization of avifauna species of conservation importance

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

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)



# 5.2.3.4 Noise Levels

Noise levels LAeq (30 min) recorded on 4 December 2024 (daytime) and 18 December 2024 (night time) from each of the point count locations during the ecological bird monitoring are shown in **Table 26**.

Frequency	Day time (04/12/2024)		(04/12/2024)	Night time (18/12/2024)	
and Period	Location	Start Time	LAeq (30 min) dB(A)	Start Time	LAeq (30 min) dB(A)
	FLW1/P1	09:07	58.4	18:22	53.4
	FLW2/P2	09:41	58.9	18:56	52.3
	FLW3/ P3	10:16	59.4	19:30	53.9
	FLW4/P4	10:38	57.6	20:16	54.4
Monthly in	FLW5/P5	10:29	57.9	19:40	53.5
concurrence with the	FLW6/P6	09:45	58.4	19:01	53.8
ecological monitoring	FLW7/ P7	09:13	58.5	18:28	53.9
of birds	SP/NSW3/ P9	07:15	55.4	19:43	52.4
	SP/NSW2/ P10	07:49	54.5	19:09	53.3
	NSW1/ P11	08:24	53.9	18:34	52.1
	SP/NSW1/ P12	08:58	54.6	18:00	51.5

 Table 26 Noise Monitoring Results (For Ecological Monitoring of Birds)

No Action / Limit exceedance was recorded for noise levels at all stations for the ecological monitoring of birds in the reporting month.

# 6 LANDSCAPE AND VISUAL

# 6.1 Audit Requirements

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**

To monitor and audit the implementation of landscape and visual mitigation measures, four weekly landscape and visual site audits were carried out on 4, 10, 18 and 23 December 2024.

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 1 November 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 23 November 2021.
- 7.1.3 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the "Waste Storage Area" and the laboratory results for the sampling works (conducted between 24 November 2021 to 6 January 2022) show that there are no exceedances of the adopted RBRGs for the "Waste Storage Area". As no contaminated soil and groundwater was found within the "Waste Storage Area", no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the "Waste Storage Area". Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 29 April 2022.
- 7.1.4 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the "SAS Thickener House-1" and the laboratory results for the sampling works (conducted between 13 April 2022 to 16 May 2022) show that there are no exceedances of the adopted RBRGs for the "SAS Thickener House-1". As no contaminated soil and groundwater was found within the "SAS Thickener House-1", no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the "SAS Thickener House-1" . Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 6 July 2022.
- 7.1.5 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the "SAS Thickener House-2" and the laboratory results for the sampling works (conducted between 15 February 2023 to 23 February 2023) show that there are no exceedances of the adopted RBRGs for the "SAS Thickener House-2". The laboratory results are compared against the adopted RBRGs and soil saturation limit (Csat) for soil samples and the adopted RBRGs and the solubility limits for groundwater samples. No exceedance of RBRG are recorded for both soil samples and groundwater samples. Furthermore, no exceedance of the soil saturation limit are recorded for soil samples. However, the exceedances of solubility limits for PCRs (C9-C16) are recorded for groundwater samples collected at BH-18, BH-19, BH-20 and BH-21; and also PCRs (C17-C35) for BH-21. As no non-aqueous phase liquid (NAPL) was observed during sampling, no further sampling and remediation are required. As no contaminated soil and groundwater is found within the



"SAS Thickener House-2", no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the "SAS Thickener House-2". Their findings are summarized in Contamination Assessment Report (CAR) which was certified by ET Leader and verified by IEC on 31 May 2023 and submitted to EPD on 19th June 2023.

7.1.6 Risk-Based Remediation Goals (RBRGs) for Industrial have been adopted for the "Screening Press House" and the laboratory results for the sampling works (conducted between 19 August 2024 to 20 August 2024) show that there are no exceedances of the adopted RBRGs for the "Screening Press House". As no contaminated soil and groundwater was found within the "Screening Press House", no remediation actions are required for contaminated soil and groundwater for the scheduled land use of the "Screening Press House". Their findings are summarized in Contamination Assessment Report (CAR) and submitted to EPD on 29 October 2024.

# 8 SITE INSPECTION AND AUDIT

# 8.1 Site Inspection

- 8.1.1 Site audits were carried out by ET on weekly basis at least once per week 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 4, 10, 18 and 23 December 2024.
- 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 27**.

 Table 27 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)
Sludge	West New Territories Landfill (WENT)
	Type 1 – Open Sea Disposal: South Cheung Chau Open Sea Sediment Disposal Area
Marine Sediment	Type 1 – Open Sea Disposal (Dedicate Site) and Type 2 – Confined Marine Disposal: Contaminated Mud Pit Vb of the Confined Marine Disposal Facilities to the East of Sha Chau

- 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 handled 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 recorded for the ecological monitoring of birds on 4 December 2024 (daytime) and 18 December 2024 (Night time).
- 9.1.6 No corrective actions were required according to the Event and Action Plans for the Monitoring Parameters.

# 9.2 Complaints, Notification of Summons and Successful Prosecutions

- 9.2.1 No environmental complaints, notification of summons and successful prosecutions was recorded 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.

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# 10 IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURE

# **10.1** Implementation Status of Environmental Protection and Pollution Control / Mitigation Measures

The Contractor had implemented environmental protection and pollution control / mitigation measures as stated in the EIA Report, the EP and EM&A Manual. **Appendix J** summarized the Implementation Status of Environmental Mitigation Measures.

Further to the variation of the Environmental Permit (EP) (EP No. EP-565/2019/A) issued by EPD on 26 November 2024, the tides predicted by the Hong Kong Observatory for the tidal station at Tsim Bei Tsui for the upcoming month is presented in **Appendix Q**.

The status of required submissions under the EP as of the reporting period are summarized in **Table 28**.

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, finalised and 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, finalised and 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, finalised and 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, finalised and available for public inspection via the dedicated website.
Condition 2.14	Contamination Assessment Report for Waste Storage Area	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.

Table 28 Status of submissions required under the EP



EP Condition (EP- 565/2019)	Submission Title	Submission Status
Condition 2.14	Contamination Assessment Report for SAS Thickener House-1	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 SAS Thickener House-2	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 Screening Press House	Certified by ET Leader and verified by IEC on 14 Oct 2024 and submitted to EPD on 29 Oct 2024, 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 2021 to November 2024)	Submitted to EPD with ET certification and IEC verification, finalised and available for public inspection via the dedicated website.
Condition 3.5	Quarterly EM&A Report (from April 2021 to September 2024)	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 2021 to November 2024	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 Months

- Fixing GRC panel at CLP Substation
- ELS works and pipeworks at emergency bypass chamber
- ABWF, E&M work and RC structure at IW
- ABWF and E&M works at PST
- ELS work at SDB
- External works at site-wide include water meter cabinet
- ELS work and RC structure at AGS
- RC structure at TTS
- ABWF, E&M work and RC structure at STB
- Demolish Existing SDT 1-4 and Gas Holder GH2
- ELS work and RC structure at Sludge Digester no. 1-3
- E&M work at Biogas Holder no. 1

# **11.2 Key Issues for the Coming Month**

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 months

The tentative schedule for environmental monitoring in the next three months is provided in **Appendix E**.

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# 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 exceedance for the ecological monitoring of birds in the reporting month.
- 12.1.6 Four environmental site inspections were carried out in the reporting month. Recommendations on mitigation measures for air quality impact, chemical waste and construction waste management and 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. No recommendations on mitigation measures were given to the Contractor for remediating the deficiencies identified during the site inspections.
- 12.1.8 No environmental complaint, notification of summons and successful prosecution was recorded 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

• The silentup at west of the Site should be enclosed.

Water Quality Impact

• No specific observation was identified in the reporting month.



## Chemical Waste and Construction 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

• No specific observation was identified in the reporting month.

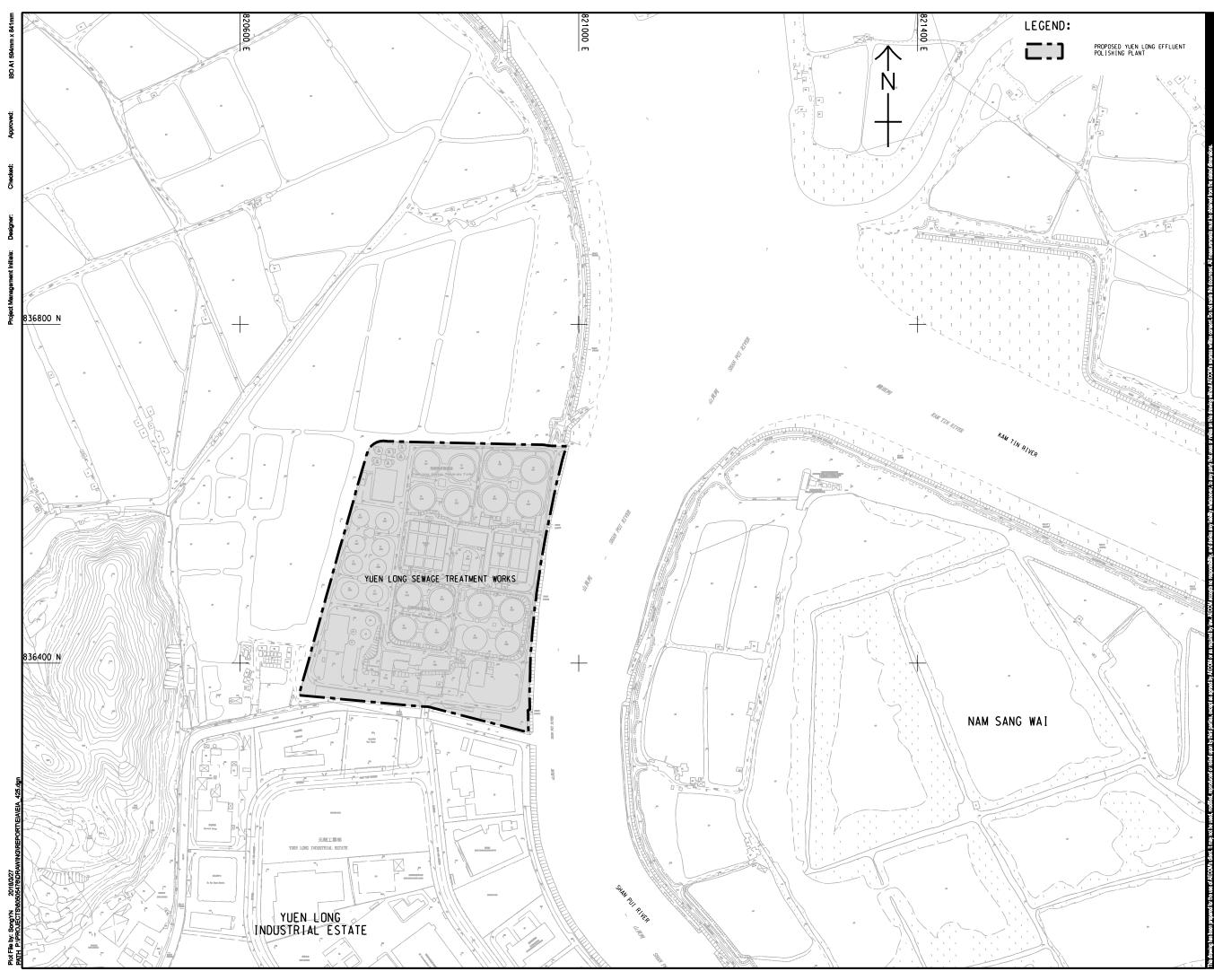
## Hazard to Life

• The domestic waste should be stored in an enclosed rubbish bin and disposed of timely.

## Permit/ Licenses

• NRMM label should be provided for the road roller at TTS.

Figure 1 Location of Proposed Yuen Long Effluent Polishing Plant



# AECOM

## PROJECT

YUEN LONG EFFLUENT POLISHING PLANT -INVESTIGATION, DESIGN AND CONSTRUCTION

# CLIENT #±



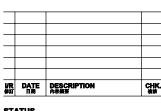
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PROJECT NO.

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LOCATION OF PROPOSED YUEN LONG EFFLUENT POLISHING PLANT

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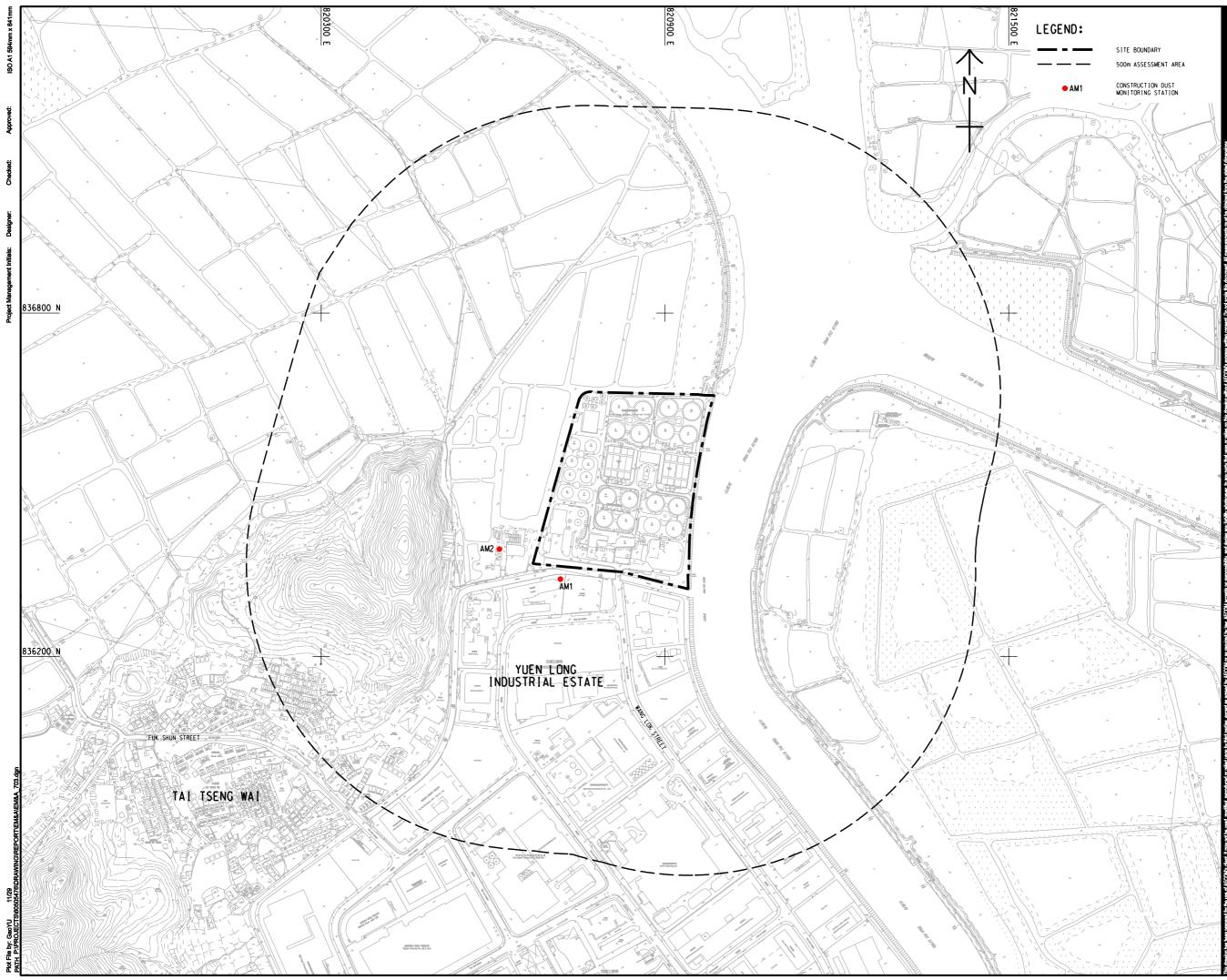
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Figure 2 Location of Construction Dust Monitoring Stations





# PROJECT

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

# CLIENT #±



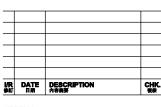
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SHEET NUMBER

LOCATION OF CONSTRUCTION DUST MONITOING STATIONS

# SHEET TITLE

60505476

PROJECT NO.

CONTRACT NO.

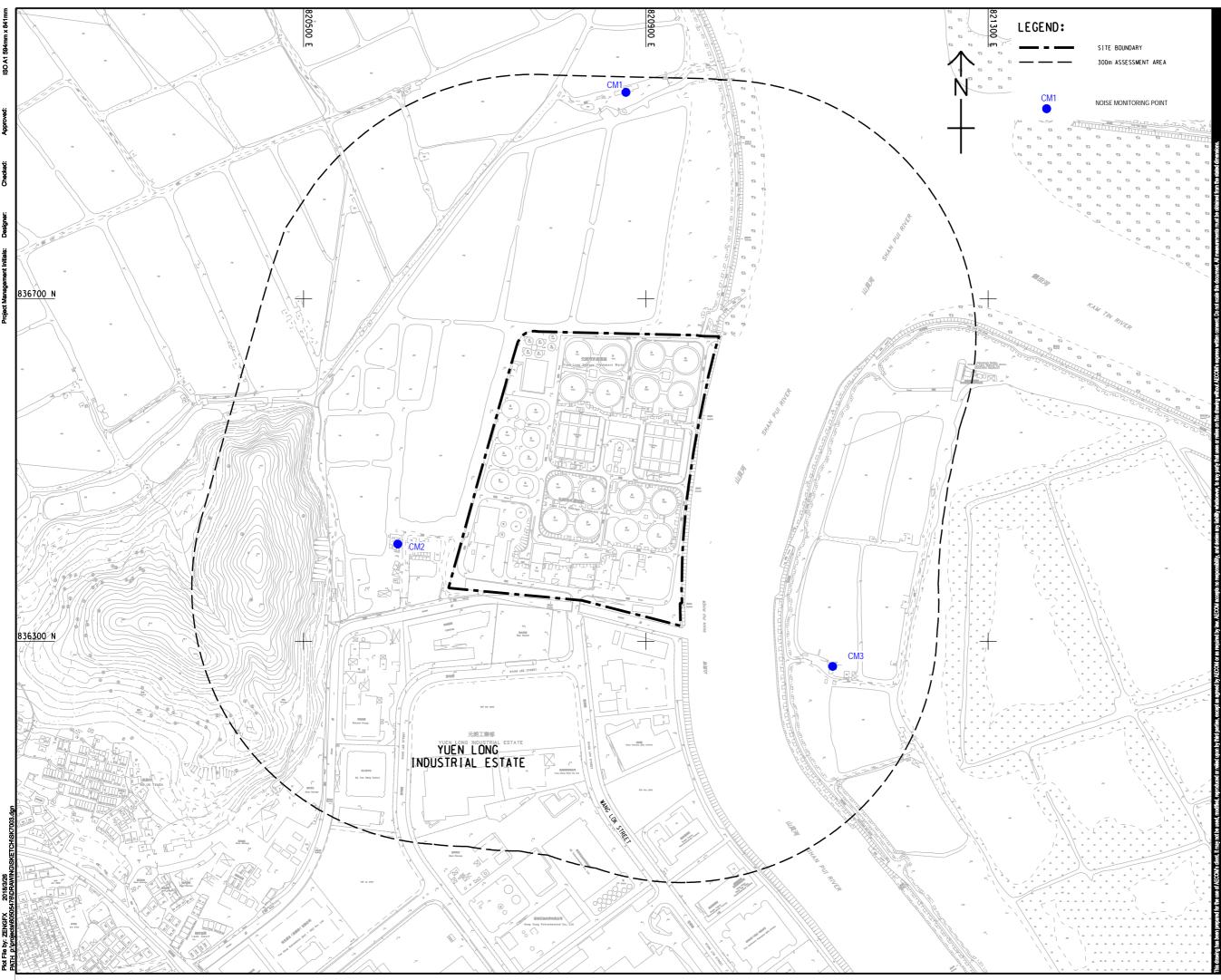
CE 3/2015 (DS)

DIMENSION UNIT

METRES

# Figure 3 Noise Monitoring Locations

aurecon





# PROJECT

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

# CLIENT



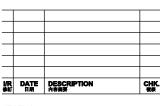
及 渠 務 署 Drainage Services Dep

# CONSULTANT 工程期间公司

AECOM Asia Company Ltd. www.aecom.com

# SUB-CONSULTANTS 分列工程期间公司\_\_\_\_

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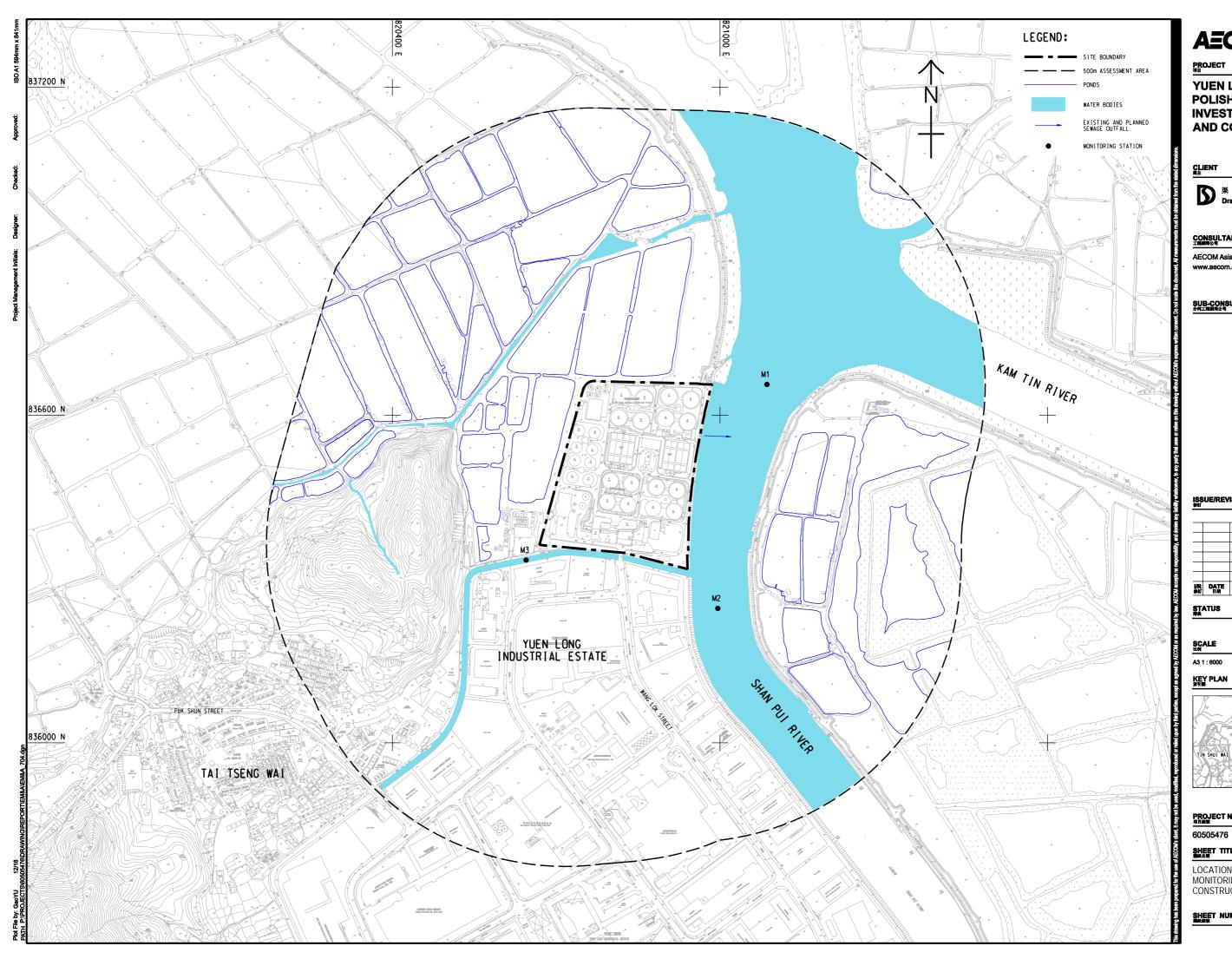
PROJECT NO. 项目編號 CONTRACT NO. CE 3/2015 (DS) 60505476 SHEET TITLE

LOCATIONS OF NOISE MONITORING POINTS

SHEET NUMBER

# Figure 4 Water Quality Monitoring Locations

aurecon





## PROJECT

YUEN LONG EFFLUENT POLISHING PLANT -INVESTIGATION, DESIGN AND CONSTRUCTION

# CLIENT



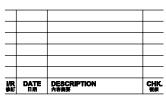
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# SUB-CONSULTANTS 分式准确间公司

### ISSUE/REVISION



### STATUS

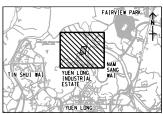
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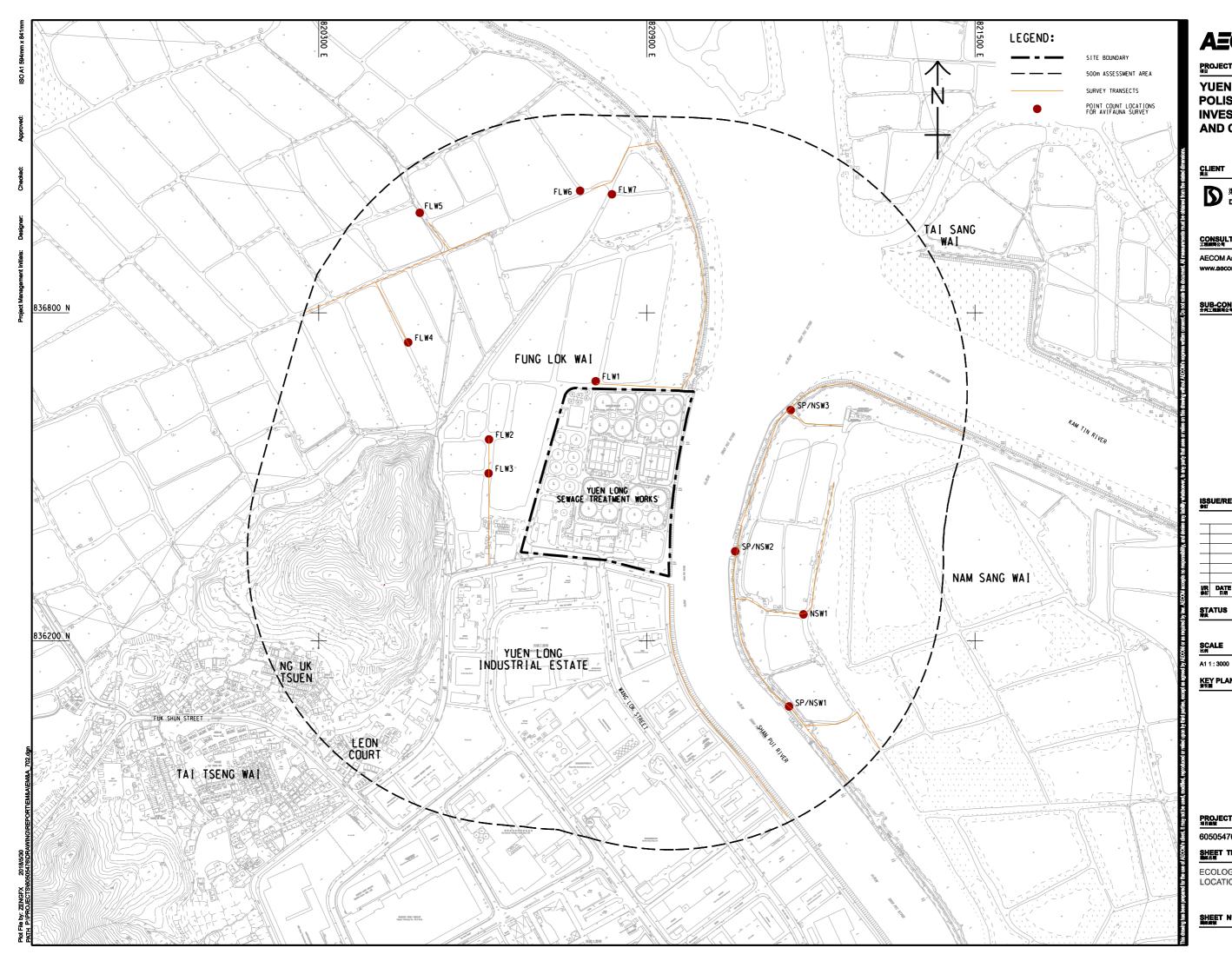
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LOCATIONS OF WATER QUALITY MONITORING STATIONS FOR CONSTRUCTION PHASE

SHEET NUMBER

# Figure 5 Ecology Monitoring Locations

aurecon



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## PROJECT

YUEN LONG EFFLUENT POLISHING PLANT -INVESTIGATION, DESIGN AND CONSTRUCTION

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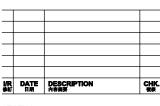


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# ISSUE/REVISION



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ECOLOGICAL MONITORING

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Appendix A Construction Programme

Activity ID	Activity Name	Orig	Early Start	Early Finish	Total Float	November	December	January	February
		Dur				49 7 03 10 17 24	50 01 08 15 22 29	51 05 12 19 26	52 02 09 16 23
YL Effluen	Polishing Plant - Main Works Stage 1 - Detailed Works Programme DPv44								
Contract Da									
Access Dates	3								
ADWA2	WorkArea WA2 (sd) (new site possession) validity for 12 months and subject to renewal	757	05-Mar-21 A	22-Feb-25*	0				Work Ar
Contract Key									
CKD3	KD3 - Early Comissioning of hlet Works100,000m3/d atADWF,PST>54,000m3/d atADWF,Civil,struct,E&M&BS (R.KI	0		30-Nov-24*	-173		KD3 - Early Comissioning of Inlet Works100,000m3/d a		
CKD10	KD10 - Completion of Civil & Structural works of roof floor of sludge thickening bldg (RevKD10=28Mar24) al Constraints	0		30-Nov-24*	-220		KD10 - Completion of Civil & Structural works of roof flo	or of sludge thickening bldg (Rev.KD10=28Mar24	)
NMM-2175	PS 1.105A Noise Mitigation Measure s2024-2025	151	01-Nov-24 A	31-Mar-25	0				
Planned Co	-	101	0111072171	011112120					
Planned Key		_							
PKD10	KD10 - Completion of Civil & Structural works of roof floor of sludge thickening bldg	0		28-Dec-24*	-247			- Completion of Civil & Structural works of roof flo	or of sludge thickening bldg
PKD5	KD5 - Completion of Civil & Structural works of R/F of Inlet works (separate contractor to install PV Panels)	0		25-Feb-25*	41				♦ KI
Compensatio									
CE506	Implementation of Compensation Event (CE) No.506 - Amber Rains brm Warning and Inclement Weather in August 2(	0		31-Oct-24 A		Implementation of Compensation Event (CE) N	Io.506 - Amber Rainstorm Warning and Inclement Weather in		
CE520	Implementation of Compensation Event (CE) No.520 - Amber Rainsbirn Warning and Indement Weather in Septemb	0		30-Nov-24 A			<ul> <li>Implementation of Compensation Event (CE) No.520 -</li> </ul>	Amber Ransom warning and inclement weath	ann Seplember 2024
	and Preparation Works								
SUB-300	Subletting for RC works for MBR	90	15-Apr-24 A	15-Jan-25	-351			Subletting for RC works	forMBR
SUB-400	Subletting for RC works for Master Meter Room	60	14-Oct-24 A	08-Jan-25	-326			Subletting for RC works for Master M	
SUB-410	Subletting for FS Works (Licensed Plumber)	60	08-Dec-24	05-Feb-25	-310				Subletting for FS Works (Licensed Plu
SUB-340	Subletting for Drainage, Sewage & waterworks	90	17-Dec-24	16-Mar-25	-16				
Design Subn									
Temporary W									
Sludge Digest TWD-460	er 4-6 ELS - SD4-6 - Prepare & Submission for PMs review	45	01-Dec-24	14-Jan-25	-214			ELS_SD4.6 Drancm 9	Submission for PM's review
TWD-480	ELS - SD4-6 - Prepare & Submission for Prins review ELS - SD4-6 - Review by PMs & ICE review (28 d + 7d)	35	15-Jan-25	14-Jan-25 18-Feb-25	-214	1			ELS-SD4-6-F
TWD-480	ELS - SD4-6 - Resubmission for PM's & ICE review (7d prep & resub. + 21d PM & ICE review)	28	19-Feb-25	18-Mar-25	-214				
	ering and Underpass								
TWD-280	ELS - SDB - Resubmission for PMs & ICE review (7d prep & resub. + 21d PM & ICE review)	28	10-Sep-24 A	11-Dec-24	-221			& ICE review (7d prep & resub. + 21d PM & ICE re	⊧view)
TWD-290	ELS - SDB - Obtain Approval	7	12-Dec-24	18-Dec-24	-47		ELS-SDB-Obtain App	oroval	
Administration TWD-300	Open CutDesign - Prepare & Submission for PMs review	45	12-Dec-24	25-Jan-25	-221			Open	CutDesign - Prepare & Submission for PM's review
TWD-310	Open CutDesign - Review by PM's & ICE review (28 d + 7d)	35	26-Jan-25	01-Mar-25	-59				
	ersion scheme for Early commissioning of SD, BH1, H2S and STB								
TWD-1010	Temp. pipe. for SD1-2 Early CommPrep(90d),Sub.&Review(30d) Comment&Resub(14d)&Approval(7d)	141	29-Dec-23 A	08-Mar-25	-41				
TWD-990	Temp.pipe.SD1&2 and BH1 to H2S forT&C-Prep(90d),Sub &Review(30d)Comment&Resub(14d)&Approval(7d)	141	22-Feb-25	12-Jul-25	131				
TWD-1000 PST Stage 2	Temp. pipe. SD1&2 for T&C of STB -Prep(90d),Sub.&Review(30d)Comment&Resub(14d)&Approval(7d)	141	22-Feb-25	12-Jul-25	-41				
TWD-1060	ELS - PST(S2) - Prepare & Submission for PMs review	60	12-Dec-24*	09-Feb-25	-221				ELS - PST(S2) - Prepare & Sub
TWD-1070	ELS - PST(S2) - Review by PMs & ICE review (28 d + 7d)	35	10-Feb-25	16-Mar-25	-221				
Contractor 's	Permanent Works Design (include ATAL)								
DDA									
	Tertiary Treatment System								
DDA-170 DDA-150	Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d), Comment & Resub (14d), GEO(28d)&App Foundation for TTS - Prepare (90d), Sub. & Review(45d), Comment & Resub (14d) & Approval (7d), GEO (28d)	121 213	13-Jun-21A 08-Oct-21A	02-Dec-24 13-Dec-24	-328 -339		Civil Req. for TTS (Foundation design) - Prepare(27	a), Sub. & Review.(45d),Comment& Resub.(14d) 0d), Sub. & Review.(45d) ,Comment& Resub.(14d)	
DDA-180	Civil Req. for TTS (Superstruct design) - Prepare (147d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7)	213	11-Oct-21 A	02-Dec-24	-339		Civil Req. for TTS (Superstruct. design) - Prepare (1		
DDA-200	Mechanical for TTS - Prepare (60d), Sub. & Review(45d), Comment& Resub.(14d) & Approval (7d)	213	31-Dec-21 A	13-Feb-25	-151				Mechanical for TTS - Pr
DDA-210	Electrical& Control for TTS - Prepare (60d), Sub. & Review (45d), Comment & Resub (14d) & Approval (7d)	213	31-Dec-21 A	13-Feb-25	-151				Electrical& Control for T
DDA-140	Architectural for TTS - Prepare (60d), Sub. & Review (45d), Comment & Resub. (14d) & Approval (7d)	126	17-Nov-22 A	02-Mar-25	-326				
DDA-160	Civil & Structural for TTS - Prepare (120d), Sub. & Review(45d), Comment & Resub.(14d) & Approval (7d)	177	17-Nov-22 A	28-Dec-24	-326 -168		Civil	& Structural for TTS - Prepare (120d), Sub. & Revie	w(45d),Comment&Resub.(14d)& Approval (7d)
DDA-220 Package 3 -	Building Services (BS) for TTS - Prepare (60d), Sub. & Review(45d), Comment& Resub.(14d) & Approval (7d) Mainstream Bio-Reactor System	199	30-Oct-23 A	02-Mar-25	-106				
DDA-260	Civil Req. for MBS-AGS (Foundation design) - Prepare (60d), Sub. & Review (45d), Comment & Resub (14d) & Approv	126	09-Jun-21A	16-Dec-24	-351		Civil Reg. for MBS-AGS (Fo	oundation design) - Prepare (60d), Sub. & Review	(45d),Comment& Resub (14d)& Approval (7d)
DDA-290	Mechanical for MBS - Prepare (60d), Sub. & Review (45d), Comment & Resub (14d) & Approval (7d)	126	08-Oct-21 A	30-Jan-25	-50				Mechanical for MBS - Prepare (60d), Sub. & Rev
DDA-300	Electrical& Control for MBS - Prepare (60d), Sub. & Review (45d), Comment & Resub (14d) & Approval (7d)	405	08-Oct-21 A	02-Mar-25	-81				
DDA-270	Civil Req. for MBS-AGS (Superstruct design) - Prepare (60d), Sub. & Review (45d), Comment & Resub. (14d) & Approv	126	01-Mar-22A	16-Dec-24	-351				/(45d),Comment& Resub.(14d)&Approval (7d)
DDA-240	Foundation for MBS - Prepare (97d), Sub. & Review (45d), Comment & Resub. (14d), GEO (28d) & Approval (7d)	230	18-Mar-22A	31-Dec-24	-336				w(45d),Comment& Resub.(14d),GEO (28d)& Ap
DDA-250 DDA-1530	Civil & Structural for MBS - Prepare (60d), Sub. & Review (45d), Comment & Resub. (14d) & Approval (7d) VCAB for AGS& TTS - Prepare (30d), Sub. & Review (30d)	170 204	20-Jan-23A 16-Jun-23A	24-Jan-25	-351 -188		·····	CMI&S	Structural for MBS - Prepare (60d), Sub. & Review.(4
DDA-1530 DDA-310	Building Services (BS) for MBS - Prepare (60d), Sub. & Review (45d), Comment& Resub. (14d) & Approval (7d)	151	23-Oct-24 A	20-May-25 30-Apr-25	-100				
	Master Water Meter Room	101	20 0012 111	007.0120	100				
DDA-390	BS & Civil req. for MWMC - MBS (60d), Sub. & Review(45d), Comment & Resub (14d) & Approval (7d)	64	16-Dec-22 A	27-Jan-25	-326			BS	& Civil req. for MWMC - MBS (60d), Sub. & Review
	- Plant Service Water (PSW)								
DDA-1050	Civil Requirement Drawings - Prep (60d), Sub.&Review(45d), Comment&Resub (14d) & Ap proval (7d)	126	12-Jun-21A	11-Feb-25	-227				Civil Requirement Drawing
DDA-1040 DDA-1060	Piping & Instrumentation Diagram (P&D) - Prep(30d), Sub & Review(28d), Comment& Resub (14d) & Ap proval (7 d) Electrical & Control for PSW - Prep(60d), Sub & Review(45d), Comment& Resub (14d) & Approval (7 d)	220 151	26-Jun-23A 01-Dec-24	30-Apr-25 30-Apr-25	-227 -227				
DDA-1000	Mechanical for PSW - Prep(60d), Sub&Review(45d), Comment&Resub (14d) & Approval (7d)	151	01-Dec-24 01-Dec-24	30-Apr-25	-227	1			
Package 6 -	Sludge Thickening Chemical and Dosing System				, <u> </u>	1			
DDA-430	Found for STCS, WasteGasBurner & Guard Hse-Prepare (60 d), Sub & Review. (45d), Comment & Resub. (14d), GEO (28	96	09-Nov-21 A	18-Dec-24	463		Found.for STCS,Waste	GasBurner & Guard Hse-Prepare (60 d), Sub & Re	view.(45d),Comment&Resub.(14d),GEO(28d)&A
DDA-440	Civil & Struct for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review (45d), Comment & Resub (14d) & Approva	250	09-Nov-21 A	20-Jan-25	430			Civil & Struct fo	r STCS, WGB & Guard Hse - Prepare (60d), Sub. 8
DDA-1130	Mechanical for STCDS - Prepare (60d), Sub. & Review(45d), Comment & Resub (14d) & Approval (7d)	340	16-Nov-21 A	14-Feb-25	438		······································		Mechanical for STCD
DDA-1140	Electrical & Control for STCDS - Prepare (60d), Sub. & Review.(45d), Comment & Resub.(14d) & Approval (7d)	315	30-Nov-21 A	31-Dec-24	491			Electrical & Control for STCDS - Prepare (60d), Su	b.& Review.(45d),Comment&Resub.(14d)& App
DDA-1520 DDA-1510	Mechanical Ventla fon and Air conditional System Design for Sludge Thickening Building (STB) Plumbing and Drainage System Design for Sludge Thickening Building (STB)	320 320	16-Jun-22A 07-Jul-22A	14-Feb-25 14-Feb-25	68 68		····		Mechanical Ven ta for Plumbing and Draina
DDA-1510	Fire Services Design for Sludge Thickening Building (STB)	320	07-Jul-22A 08-Jul-22A	28-Feb-25	54				
DDA-1150	Building Services for STCDS - Prepare (60d), Sub. & Review(45d), Comment& Resub (14d)& Approval (7d)	126	24-Oct-22 A	28-Jan-25	422				Building Services for STCDS - Prepare (60d), Sub. 8
	CLP Substation and 11kV Switchgear House								
DDA-480	UPS System for CLPSub.&11kV Switchgear Hse - Prepare (102d), Sub. & Review.(45d), Comment& Resub.(14d)& Ar.	168	03-Jun-21A	16-Jan-25	-310			UPS System for CLPS	Sub & 11kV Switchgear Hse - Prepare (102d), Sub.
			00.11	40	-				
DDA-1210	Building Services for Inlet Work - Prepare (28d), Sub. & Review (28d), Comment & Resub (14d) & Approval (7d)	76	30-Mar-22 A	18-Dec-24	7		Building Services for In	letWork - Prepare (28d), Sub. & Review.(28d), Cor	nment & Resub.(14d) & Approval (7d)
Package 10 DDA-1250	Primary Sedimentation Tank (PST)     Electrical & Control for PST - Prepare (28d), Sub. & Review(28d), Comment & Resub.(14d) & Approval (7d)	48	31-Aug-21 A	22-Dec-24	-350		Electrical & Cont	trol for PST - Prepare (28d), Sub. & Review(28d),	comment& Resub (14d) & Approvel (7d)
DDA-1250	Building Services for PST - Prepare (28d), Sub. & Review (28d), Comment & Resub. (14d) & Approval (7d) Building Services for PST - Prepare (28d), Sub. & Review (28d), Comment & Resub. (14d) & Approval (7d)	90	01-Oct-21 A	22-Dec-24 22-Dec-24	-350			s for PST - Prepare (28d), Sub. & Review (28d), Co	
	- Control and Monitoring System								······································
DDA-580	Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub & Review (28d), Comment & Resub (14d) & A	130	02-Oct-21 A	01-Mar-25	-178				
DDA-550	Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.& Review (28d), Comment& Resub (14d) & A	238	24-Apr-23A	30-Apr-25	-178				
DDA-1270	Gas Detection System - Prep(28d), Sub & Review(28d), Comment& Resub (14d) & Approval (7d)	91	08-May-23 A	30-Apr-25	-178				
DDA-560	Computerised Mainatenance Mangement System (CMMS) - Prep(28d), Sub & Review(28d), Comment& Resub (14d) &	273	01-Dec-24	30-Aug-25	-178				
DDA-570	Information and Document mangement System (IDMS) - Prep(28d), Sub & Review(28d), Comment& Resub (14d) & Ar	273	01-Dec-24	30-Aug-25	-178				



Remaining Level of Ef...
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Monthly Progress Report No. 49- 3MRP (Nov 24) Project ID : DWPr44\_241209 Layout : DC201910 MPR49-3MRP Page 1 of 8

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		30-N	Date		lonthly Rev.	Rev	-	Rep			Ap	proved

D	Activity Name	Orig	Early Start	Early Finish	Total Float	November	December	January	February
DDA-1280	Data Collection, Management, Analysis & Model System - Prep (28d.), Sub& Review (28d.), Commen & Resub (14d) & A	<b>Dur</b> 273	01-Dec-24	30-Aug-25	-178	49 7 03 10 17 24	50 01 08 15 22	29 05 12 1	52 9 26 02 09 16
Package 12 - Chemical Sys	tem for STB		01-00024	00-14g-20					
DDA-650 Package 13 - Pipework Sys	Chemical System for Sludge Thickening Building (STB) - Prep (60d), Sub & Review (45d), Comment& Resub (14d) & Ar	150	08-Aug-24 A	28-Feb-25	107				
DDA-660	Pipeworks System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & A	126	15-Oct-24 A	05-Apr-25	16				
DDA-1030	Pipeworks System for Sludge Digesters - Prep(60d), Sub & Review (45d), Comment & Resub (14d) & Approval (7d)	126	01-Dec-24	05-Apr-25	16				
r <mark>ackage 14 - Sludge Anær</mark> DDA-1320	obic Digestion System (SDT) Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review(45d), Comment& Resub (14d) & Approval (7d)	460	02-Jul-21A	28-Feb-25	157			;	
DDA-1330	Building Services for SDT & UC/PP - Prepare (56d), Sub. & Review (45d), Comment & Resub.(14d) & Approval (7d)	181	02-May-23 A	28-Feb-25	-51				
	emoval, Storage and Delivery System								
DDA-1390 DDA-1380	Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Appr Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Appr		31-May-23 A 25-Sep-23 A	01-Mar-25 01-Mar-25	316 316				
ackage 16 - Deodorization			20 000 2011	011110120	010				
DDA-1420	Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	04-Mar-22A	19-Dec-24	-333		Mechanical for DC	UNo.1-Prepare(28d),Sub&Review(	28d),Comment&Resub(14d)&Approval (7d)
DDA-1440 DDA-1430	Mechanical for DOU No. 3 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d) Mechanical for DOU No. 2A and 2B - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	300 122	17-Jul-22A 13-Oct-23A	01-Feb-25 27-Mar-25	32 -22				Mechanical for DOU No. 3 - Prepare(
Package 17 - Sludge Dewat			10 00(2071	27 110 20					
DDA-910	Roof Rainwater Collection Systemfor (SDB) - Prep(60d), Sub & Review (45d), Comment& Resub (21d) & App toval (7d)	242	06-Mar-24 A	30-Jun-25	83			4	
DDA-920 DDA-930	Fire Services System for SDB - Prep(60d), Sub & Review(45d), Comment& Resub (14d) & App roval(7 d) Mechanical for Sludge Dewatering Building (SDB) - Prep(60d), Sub & Review(45d), Comment& Resub (14d) & Approv	242 242	19-Dec-24 19-Dec-24	17-Aug-25 17-Aug-25	7 35				
DDA-940	Plumbing System for Sludge Dewatering Bldg (SDB) - Prep(60d), Sub & Review(45d), Comment& Resub(14d) & App rt	_	19-Dec-24	17-Aug-25	7				
DDA-950	BS for Sludge Dewatering Building (SDB) - Prep(118d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	242	19-Dec-24	17-Aug-25	7				
ackage 18 - Miscellaneous DDA-540	s Civil & Structural for Misc, Manholes, DrawPits, FenceWall - Prep (60 d), Sub & Review (45d ) Comment& Resub (14d) & Ap	235	27-Feb-25	19-Oct-25	228			{	
Package 19 - Elevated Walk		200	214 65-25	10-00-20	220				
DDA-710	Civil & Structural for Elevated Walkways - Prep(60d), Sub & Review(45d), Comment& Resub (14d) & Approval(7d), GE(	101	15-Apr-23A	19-Feb-25	406				Civil 8
Package 20 - Trellis		007	01 D 01	05 km 05	070			4	
DDA-720 ackage 21 - Steel Working	Civil & Structural for Trellis - Prep(60d), Sub & Review(45d), Comment& Resub (14d) & Approval(7d)	207	01-Dec-24	25-Jun-25	376				
DDA-730	Civil & Structural for Steel Working Platform - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	102	02-Sep-22 A	26-May-25	406			·····	
ackage 22 - Sampling Sys			07.1.1	<b>c</b> : :					
DDA-740 DDA-1610	Sampling System for IW&PST - Prep(60d), Sub &Review(45d), Comment&Resub (14d) & Approval(7d) Sampling System for AGS&TTB - Prep(60d), Sub &Review(45d), Comment&Resub (14d) & Approval(7d)	62 127	07-Jul-23A 07-Jul-23A	01-Jan-25 29-May-25	-412 -240			<ul> <li>Sampling System for IW&amp;PST-Pr</li> </ul>	ep(60d), Sub&Review(45d), Comment&Resub (14d) & A
DA-1610	Sampling System for SDT - Prep(600), Sub.&Review(450), Comment&Resub (140) & Approval(70) Sampling System for SDT - Prep(600), Sub.&Review(450), Comment&Resub (140) & Approval(70)	127	07-Jul-23A 07-Jul-23A	29-May-25	-240				
DA-1630	Sampling System for STB - Prep(60d), Sub & Review(45d), Comment& Resub (14d) & Approva (7d)	128	07-Jul-23A	29-May-25	-240				
	lic Address and Communication System							į	
DDA-750 ackage 24 - Administratio	SPC sitewide ACS- Prep(60d), Sub & Review (45d), Comment& Resub (14d) & Approval(7d)	98	21-Jun-23A	28-Jun-25	-270				
DDA-0960	Architectural for Administration Building (ADB) - Prep (60 d), Sub.&Review (45d), Comment& Resub (14d) & Approval (7(	126	01-Dec-24	05-Apr-25	181				
DDA-0990	General Arrangement & Civil Req. Drawings for ADB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Appr	126	01-Dec-24	05-Apr-25	181				
DA-1000	Mechanical for Administration Building (ADB) - Prep(60d), Sub.&Revie w(45d), Comment&Resub (14d) & Approval(7d		01-Dec-24	05-Apr-25	181				
DDA-1010 DDA-1020	Electrical & Control for Administration Building (ADB) - Prep(60d), Sub & Review(45d), Comment&Resub (14d) & Appro BS for Administration Building (ADB) - Prep(60d), Sub & Review(45d), Comment&Resub (14d) & Approval(7d)	126 126	01-Dec-24 01-Dec-24	05-Apr-25 05-Apr-25	181 181				
esign out of ATAL's Scop									
DA-1540	Drainage systems at base slab / foundation levels - Prep(60d), Sub & Review(45d), Comment& Resub (14d) & Ap prove	126	24-Aug-22 A	28-Jan-25	436				Drainage systems at base slab / foundation
DA-1560	Street fire hydrantsystem - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Ap proval(7d)	126	22-Dec-23 A	05-Mar-25	-15				
DDA-1550 chnical Submission	Rainwater drainage systems - Prep(60d), Sub & Review(45d), Comment& Resub (14d) & Approval(7d)	126	29-Jan-25	03-Jun-25	436				
	e (O&M) Manuals and Installation Manuals (PS 34.20(11)(12)(13))								
Inlet Works and Primary Sedi									
SUBM-1070	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	05-Jan-23A	17-Dec-24	-407		Submit/review/approva	I Operation and Maintenance (O&M)	Manuals and Installation Manuals - 1st draft
SUBM-1200 GS and TTS system	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	18-Dec-24	15-Feb-25	-339				Submitrevie
SUBM-1220	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	18-Dec-24	15-Feb-25	-137				Submit/revie
SUBM-1230	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	16-Feb-25	16-Apr-25	324				
Sludge Thickening System SUBM-1250	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	18-Dec-24	15-Feb-25	294				Submit/revie
SUBM-1260	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	16-Feb-25	16-Apr-25	294				
Bludge Disgestion System			1	í					
SUBM-1310 SUBM-1320	Submit/reviewlapproval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft Submit/reviewlapproval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60 60	18-Dec-24 16-Feb-25	15-Feb-25 16-Apr-25	-369 300				Submit/revie
Biogas H2S Removal System		00	10-1 60-23	10-Api-20	300			[	
SUBM-1280	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	18-Dec-24	15-Feb-25	-369				Submit/revie
SUBM-1290 Deodourization System	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	16-Feb-25	16-Apr-25	548				
SUBM-1340	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	16-Feb-25	16-Apr-25	-369				
lant Service Water System									
SUBM-1370	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	16-Feb-25	16-Apr-25	490				
ommissioning Plan and F UBM-1000	Procedures (PS34.20(10)) Submit/review/approval Commissioning Plan and Procedures - Early commissioning of M&PST (KD3)	120	21-Feb-24 A	23-Mar-25	-315				
	Jurement, Manufacturing and Delivery	120	2.100-24 A	20-1061-20	-010				
Works								· · · · · · · · · · · · · · · · · · ·	
E-290	Submit/Procure/Manufacture/Deliver New Inlet Works Equip GritTrap and classifier	270	18-Feb-22 A	02-Dec-24	-340		Submit/Procure/Manufacture/Deliver New Inlet W		
E-280 E-310	Submit/Procure/Manufacture/Deliver New Inlet Works Equip Converyeor and compactor Submit/Procure/Manufacture/Deliver New Inlet Works Equip Pensbocks and stoplogs	270 270	12-Apr-22A 13-Sep-22A	02-Dec-24	-367 -383		Submit/Procure/Manufacture/Deliver New Inlet W Submit/Procure/Manufacture/Deliver New Inlet W		stor
310 320	Submit/Procure/Manufacture/Deliver New Inlet Works Equip Penstocks and stoplogs Submit/Procure/Manufacture/Deliver New Inlet Works Equip MVAC-Ventilation Fan	270	13-Sep-22 A 10-Jan-23 A	02-Dec-24 13-Dec-24	-383 -329			Deliver New Inlet Works Equip MVAC	C-Ventilation Fan
as Holder									
E-410	Submit/Procure/Manufacture/Deliver Waster Gas Burner	300	19-Aug-21 A	30-Jun-26	101				
E-420 E-430	Submit/Procure/Manufacture/Deliver H2S Removal System Submit/Procure/Manufacture/Deliver Biogas booster and transfer pumps	510 513	25-Feb-22 A 01-Dec-24	13-Mar-26 27-Apr-26	-61 102				
ge Digestor Tank		0.0							
-750	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Flame Arresters	100	31-Oct-22 A	11-Mar-25	-62				
-780	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Mixing System and He at Exchanger for Sludge Anaerobic		22-Dec-22 A	26-Dec-24	13		Submi	/Procure/Manufacture/Deliver Sludge	Digester Tank - Mixing System and Heat Exchanger for S
E-720 E-730	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Inspection Windowsfor Sludge Anaerobic System Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Gas Take Off Dome for Sludge Anaerobic Digestion Syste	365 365	18-Jan-23A 18-Jan-23A	11-Mar-25 11-Mar-25	-62 -62				
E-730	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Vas Tane On Done of Sludge Anterobic Digestion Syste Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Pressure and Vacuum Relief Valves	300	01-Mar-23A	11-Mar-25	-62				
E-740	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Telescopic Valve for Sludge Anaerobic Digestion System	179	10-Jul-23A	11-Mar-25	-62				
E-760	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Ferric Chloride Dosing Pump	148	29-Aug-23 A	11-Mar-25	-62				
E-770 Ige Thickening Building	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Ferric Chloride Trasnfer Pump	148	29-Aug-23 A	11-Mar-25	-62				
E-250	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Thickening Centrifuges	360	12-Nov-21 A	01-Mar-25	51				
E-500	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Pump and jet mixer	300	07-Jan-22A	23-Mar-25	-84				
PaulY	Remaining Level of Ef	<u>`</u> nr	tract		2010	/10 . YI FDD _ M	ain Works for S	tane 1	Project ID : DWPr44_241209
	Actual Work		ιιαυι		2013			rade i	Layout : DC201910 MPR49-3N
	Remaining Work	N	lanth	J., D.,	<b>A A 4</b> -	Donart Na	AO 2MDD /Nas	24)	Page 2 of 8
保華-中國中鋒	alt Thát 水火 耳曲	IV	ποπτΓ	iiy Pľ	ogre	ss Report No.	49- 3MRP (Nov	<b>∠</b> 4)	
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	Chemical	System	forSluda	e Thicke	ening Build	ina (S	TB)-Prer	(60d) Sub	%Re	view(4	5d) Corr	men	&Res	ub (14	d)&Appn
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	Building	Services	e for Biog	as H2S	Removal	Svetor	h - Prenar	a(28d) Sul	h& Re	view(?	8d)Com	men	&Rec	ib(14c	1)&Appro
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ctu	ral for Elevat	ed Walk	ways - Pre	ep(60d)	, Sub ℜ	view(4	5d),Com	ment&Res	sub (1	4d)&A	pproval	7d), C	EO(2	Bd)	
va	(7d)														
								Architect	ural fo	rAdmin	nistration	Buildi	ing (AL	)B)-P	rep (60 d).
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- F	rep(60d), Si	ub.&Rev	view(45d)	Comm	ent&Resu	b (14c	)&Appro	val(7d)							
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oro	val Operatio	n and Ma	aintenano	xe (O&N	1) Manuals	and Ir	stallation	Manuals -	revise	d draft					
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Ar	aerobic Dig	ester													
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	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	November         December         January         February           49         50         51         52           7         02         40         47         24         04         50         51         52
PRE-510	Submit/Procure/Manufacture/Deliver Sludge Thickening System - LALG	256	28-Mar-23A	17-Jan-25	8	7 03 10 17 24 01 08 15 22 29 05 12 19 26 02 09 SubmitProcure/Manufacture/DeliverSludge Thicke
PRE-480	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Polymer preparation system	388	12-Apr-23A	17-Jan-25	59	SubmitProcure/Manufacture/Deliver Sludge Thicke
PRE-490	Submit/Procure/Manufacture/Deliver Sludge Thickening System - DOU-03	264	07-Jul-23A	13-Apr-25	8	
PRE-520 Mainstream Bio-Reactor	Submit/Procure/Manufacture/Deliver Sludge Thickening System - MVAC	212	27-Apr-24A	17-Apr-25	4	
PRE-230	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip AGS system	480	09-Sep-22 A	23-May-25	-128	
PRE-530	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip Penstocks and stoplogs	345	31-Oct-22 A	16-Aug-25	-141	
PRE-550	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip Sludge pre-thickening system	510	31-Oct-22 A	23-May-25	-147	
PRE-540	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip Chemical storage and dosing system	270	18-Nov-22 A	02-Jun-25	-138	
PRE-570	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip Instrumentation	481	03-Apr-24 A	17-Jan-26	-307	
PRE-560	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip LALG	349	16-Jul-24A	14-Nov-25	-303	
PRE-580	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip MVAC	138	01-Dec-24	17-Apr-25	-92	
Tertiary Treatment System		10.5				
PRE-610	Submit/Procure/Manufacture/Deliver TTS Equip Pumping system	495	19-Jul-22A	20-Dec-24	10	SubmitProcure/Manufacture/Deliver TTS Equip Pumping system
PRE-600 PRE-240	Submit/Procure/Manufacture/Deliver TTS Equip UV disinfection system Submit/Procure/Manufacture/Deliver TTS Equip Disc Filter	510 600	08-Sep-22 A 27-Sep-22 A	17-Apr-25 17-May-25	-108 -138	
PRE-590	Submit/Procure/Manufacture/Deliver TTS Equip Chemical cleaning system	480	18-Nov-22 A	17-Mar-25	-77	
PRE-630	Submit/Procure/Manufacture/Deliver TTS Equip Penstocks and stoplogs	435	30-Nov-22 A	08-Jul-25	-190	
PRE-620	Submit/Procure/Manufacture/Deliver TTS EquipLALG	151	27-Mar-23A	07-Sep-25	-251	
PRE-690	Submit/Procure/Manufacture/Deliver TTS Equip DOU-02	506	07-Sep-23 A	27-Sep-25	-271	
Electrical and Control Syste	em					
PRE-680	Submit/Procure/Manufacture/Deliver Electrial and Control System - SCADA and instrumentation	420	30-Apr-22 A	17-Dec-24	-266	SubmitProcure/Manufacture/Deliver Electrial and Control System - SCADA and instrumentation
PRE-670	Submit/Procure/Manufacture/Deliver Electrial and Control System - Armoured Cable	203	21-Dec-22 A	02-Dec-24	-295	Submit/Procure/Manufacture/Deliver Electrial and Control System - Armoured Cable
ite Establishment Works	<b>3</b>					
Portion 3 - PST, SDB, Admir						
P3-140	Portion 3 - Carry out RAP	24	21-Aug-24 A	31-Dec-24	-76	Portion 3 - Cany outRAP
P3-150	Portion 3 - Submit Remediation Report	18	02-Jan-25	22-Jan-25	-76	Porton 3 - Sulphit Remediaton Report
P3-100	Portion 3 - Initial Survey and Record, Underground Utilities Detection	12	25-Feb-25	10-Mar-25	572	
P3-110	Portion 3 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities	12	25-Feb-25	10-Mar-25	572	
atutory Submission & A						
VSD Submission & Approv						
WSD-1030	WSD - Form WWO46 Part 1 and 2 PM&WSD review and approval	90	26-Jun-24 A	16-Jan-25	-317	WSD - Form WWO46 Part 1 and 2 PM&WSD review
MSD Submission & Approv	Val					L-i
Biogas System (ATAL)						k-j
Phase 1 ATAL-FS-0020	Form 105 for Biogas Holder Tank 1 (Submission and Approval Period)	184	03-Jun-24A	22-Feb-25	228	
PD Submission & Approva		104	03-0dil-24A	22-1 60-23	220	
EPD-1030	EPD - VEP RtC to DSD and EPD	7	24-Oct-24 A	07-Dec-24	-144	EPD - VEP RtC to DSD and EPD
EPD-1060	EPD - VEP Gazette	28	08-Dec-24	04-Jan-25	-144	EPD - VEP Gazette
EPD-1070	EPD - VEP approval	7	05-Jan-25	11-Jan-25	-144	EPD - VEP approval
ne 1 Construction		·				
LP Substations No. 1 & 2	2					
	∠ k DSD 11kV Switchgear - GRC Cladding					
CLP-1590	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - fabrication	60	21-Feb-24 A	09-Jan-25	598	CLP Substation No.1 & 2 & DSD 11 kV Switchgear - GRC daddin
CLP-1600	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - installation	75	18-Sep-24 A	24-Feb-25	584	
	imergency Bypass Chamber	,				
Emergency Bypass Chambe						
IW-3650	W - Modification of Existing Emergency Bypass Chamber - Tam Grout (Vertical Grout)	13	15-Oct-24 A	30-Oct-24 A		W-Modification of Existing Emergency Bypass Chamber - Tam Grout (Vertical Grout)
IW-1270	W - Modification of Existing Emergency Bypass Chamber - Excavation: 1st layer +4.5 to +3.5mPD (253m3)	2	31-Oct-24 A	07-Nov-24 A		M-Modification of Existing Emergendy Bypass Chamber - Excavation: 1stlayer +4.5 to +3.5mPD (253m3)
IW-3070	W - Modification of Existing Emergency Bypass Chamber - Strutinstallation @ +4.0mPD	6	08-Nov-24 A	23-Nov-24 A		W-Modification of Existing Emergency Bypass Chamber - Strutinstallation @ +4.0mPD
IW-3080	W-Modification of Existing Emergency Bypass Chamber - Excavation: 2nd layer +3.5 to +1.0mPD (633m3)	2	25-Nov-24 A	30-Nov-24 A		W - Modification of Existing Emergency Bypass Chamber - Excavation: 2nd layer +3.5 to +1 0mPD (633m3)
IW-3090	W - Modification of Existing Emergency Bypass Chamber - Strutinstallation @ +1.5mPD	6	02-Dec-24	07-Dec-24	-327	W-Modification of Existing Emergency Bypass Chamber - Strutinstallation @ +15mPD
IW-3340	W - Modification of Existing Emergency Bypass Chamber - Excavation: 3rd layer +1.0 to -2.0mPD (759m3)	2	09-Dec-24	10-Dec-24	-327	M - Modification of Existing Emergiency Bypass Chamber - Excavation: 3rd layer +1.0 to -2:0mPD (759m3)
IW-3350	W - Modification of Existing Emergency Bypass Chamber - Strutinstallation @ -1.5mPD	6	11-Dec-24	17-Dec-24	-327	W-Modification of Existing Emergency Bypass Chamber - Strutinstallation @ -1.5mPD
14/0000				40.0.04		
IW-3360	W - Modification of Existing Emergency Bypass Chamber - Excavation: FEL-2.0 to -3.8mPD (84m3)	2	18-Dec-24	19-Dec-24	-327	W-Modification of Existing Emergency Bypass Chamber - Excavation: FEL-2.0 to -3.8m PD (84m3)
IW-3370	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD	2 3 2	20-Dec-24	23-Dec-24	-327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 2.0mPD
IW-3370 IW-3380	M - Modification of Existing Emergency Bypass Chamber - Backfill to -2.0mPD M - Modification of Existing Emergency Bypass Chamber - Remove S3	2 3 2 3	20-Dec-24 24-Dec-24	23-Dec-24 27-Dec-24	-327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber -Remove S3
IW-3370 IW-3380 IW-3390	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD M - Modification of Existing Emergency Bypass Chamber - Remove S3 M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD	2 3 2 3	20-Dec-24	23-Dec-24	-327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 2.0mPD
W-3370 W-3380 W-3390 i <mark>mergency Bypass Chambe</mark>	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD M - Modification of Existing Emergency Bypass Chamber - Remove S3 M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD er - Structural Works		20-Dec-24 24-Dec-24	23-Dec-24 27-Dec-24	-327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber -Remove S3
N-3370 N-3380 N-3390 <b>mergency Bypass Chambe</b> Emergency Bypass Chamber	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         M - Modification of Existing Emergency Bypass Chamber - Remove S3         M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Works         r - Structural Modification at Existing EBC		20-Dec-24 24-Dec-24	23-Dec-24 27-Dec-24	-327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber -Remove S3
N-3370 N-3380 N-3390 <b>mergency Bypass Chambe</b> <b>mergency Bypass Chambe</b> W-3530	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD M - Modification of Existing Emergency Bypass Chamber - Remove S3 M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD er - Structural Works	3	20-Dec-24 24-Dec-24 28-Dec-24	23-Dec-24 27-Dec-24 31-Dec-24	-327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill to -20mPD W - Modification of Existing Emergency Bypass Chamber - Remove S3 W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1 3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1 3r
W-3370 W-3380 W-3390 <b>imergency Bypass Chambe</b> Emergency Bypass Chamber IW-3530	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         M - Modification of Existing Emergency Bypass Chamber - Remove S3         M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Works         r - Structural modification at Existing EBC         M - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing	3	20-Dec-24 24-Dec-24 28-Dec-24 02-Jan-25	23-Dec-24 27-Dec-24 31-Dec-24 04-Jan-25	-327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD W - Vodification of Existing Emergency Bypass Chamber - Remove S3 W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r
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Construct wall plab           W - Modification of Existing Emergency Bypass Chamber - Remove formwork, waterproofing, backfill, Remove S1           W - Modification of Existing Emergency Bypass Chamber - Isall bukhead at existing chamber           W - Modification of Existing Emergency Bypass Chamber - Nenture wall, Models           W - Modification of Existing Emergency Bypass Chamber - Isall bukhead at existing chamber           W - Modification of Existing Emergency Bypass Chamber - Nenture wall, Models           W - Modification of Existing Emergency Bypass Chamber - Sall bukhead at existing chamber <td>3 3 6 6 6 6 6 8 7 8</td> <td>20-Dec-24 24-Dec-24 28-Dec-24 02-Jan-25 06-Jan-25 20-Jan-25 27-Jan-25 06-Feb-25 15-Feb-25 15-Feb-25</td> <td>23-Dec-24 27-Dec-24 31-Dec-24 04-Jan-25 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 14-Feb-25 22-Feb-25 24-Feb-25</td> <td>-327 -327 -327 -327 -327 -327 -327 -327</td> <td>W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD W - 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W-3370 W-3380 W-3390 Emergency Bypass Chamber M-3530 M-3110 W-3160 W-3120 W-3170 W-3180 W-3180 W-3180 W-3180 W-3180 W-33540 W-33540 W-3350	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD           M - Modification of Existing Emergency Bypass Chamber - Remove S3           M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD           er - Structural Works           r - Structural Works           M - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing           M - Modification of Existing Emergency Bypass Chamber - Onstructbase slab           M - Modification of Existing Emergency Bypass Chamber - Constructbase slab           M - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall proofing, backfill, Remove S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall/top slab           M - Modification of Existing Emergency Bypass Chamber - Samber - Construct wall proofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL           M - Modification of Existing E	3 3 6 6 6 8 7 8 18 1	20-Dec-24 24-Dec-24 28-Dec-24 02-Jan-25 06-Jan-25 20-Jan-25 27-Jan-25 06-Feb-25 15-Feb-25 15-Feb-25 25-Feb-25 25-Feb-25	23-Dec-24 27-Dec-24 31-Dec-24 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 24-Feb-25 24-Feb-25 24-Feb-25 11-Mar-25 09-Dec-24	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 20mPD W - Modification of Existing Emergency Bypass Chamber - Remove S3 W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - MHA1 - Excavation: FEL + 1.0 b - 3.35m PD (481 m3)
W-3370 W-3380 W-3390 <b>Emergency Bypass Chamber</b> W-3530 W-3110 W-3160 W-3120 W-3170 W-3180 W-3140 W-3540 W-3540 W-3130 Emergency Bypass Chamber W-3100 W-3100	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD           M - Modification of Existing Emergency Bypass Chamber - Remove S3           M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD           er - Structural Works           r - Structural Works           W - Modification at Existing EBC           M - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing           M - Modification of Existing Emergency Bypass Chamber - Construct base slab           M - Modification of Existing Emergency Bypass Chamber - Construct base slab           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall proofing, backfill, Remove S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall proofing, backfill, Remove S1           M - Modification of Existing Emergency Bypass Chamber - Nemove formwork, waterproofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Remove f	3 3 6 6 6 6 8 7 8 18	20-Dec-24 24-Dec-24 28-Dec-24 02-Jan-25 06-Jan-25 13-Jan-25 20-Jan-25 27-Jan-25 06-Feb-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24	23-Dec-24 27-Dec-24 31-Dec-24 04-Jan-25 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 14-Feb-25 22-Feb-25 24-Feb-25 17-Mar-25 09-Dec-24 12-Dec-24	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to - 20mPD W - Modification of Existing Emergency Bypass Chamber - Remove 53 W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1 3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1 3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1 3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1 3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1 3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2 0mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Excavaton: FEL +1.0 to -3.35mPD (481 m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -2 0mPD
W-3370 W-3380 W-3390 Emergency Bypass Chamber W-3530 W-3110 W-3160 W-3120 W-3170 W-3170 W-3180 W-3180 W-3180 W-3180 W-3130 W-33540 W-33540 W-33540 W-33100	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD           M - Modification of Existing Emergency Bypass Chamber - Remove S3           M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD           er - Structural Works           r - Structural Works           M - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing           M - Modification of Existing Emergency Bypass Chamber - Onstructbase slab           M - Modification of Existing Emergency Bypass Chamber - Constructbase slab           M - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall proofing, backfill, Remove S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall/top slab           M - Modification of Existing Emergency Bypass Chamber - Samber - Construct wall proofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL           M - Modification of Existing E	3 3 6 6 6 8 7 8 18 1 3	20-Dec-24 24-Dec-24 28-Dec-24 02-Jan-25 06-Jan-25 20-Jan-25 27-Jan-25 06-Feb-25 15-Feb-25 15-Feb-25 25-Feb-25 25-Feb-25	23-Dec-24 27-Dec-24 31-Dec-24 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 24-Feb-25 24-Feb-25 24-Feb-25 11-Mar-25 09-Dec-24	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 20mPD W - Modification of Existing Emergency Bypass Chamber - Remove S3 W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - C W - Modification of Existing Emergency Bypass Chamber - MHA1 - Excavation: FEL + 1.0 b - 3.35m PD (481 m3)
W-3370 W-3380 W-3390 <b>Emergency Bypass Chamber</b> M-3530 W-3110 W-3160 W-3120 W-3170 W-3180 W-3170 W-3180 W-3340 W-3340 W-3310 <b>Emergency Bypass Chamber</b> W-3100 W-3630	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD           W - Modification of Existing Emergency Bypass Chamber - Remove S3           W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD           er - Structural Works           r - Structural Works           W - Modification of Existing Emergency Bypass Chamber - Blinding and waterproofing           M - Modification of Existing Emergency Bypass Chamber - Blinding and waterproofing           M - Modification of Existing Emergency Bypass Chamber - Construct base slab           M - Modification of Existing Emergency Bypass Chamber - Construct base slab           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall / top slab           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/talsework, waterproofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL           M - Modification of Existing Emer	3 3 6 6 6 6 8 7 8 18 13 3 2	20-Dec-24 24-Dec-24 28-Dec-24 02-Jan-25 06-Jan-25 20-Jan-25 20-Jan-25 27-Jan-25 26-Feb-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24	23-Dec-24 27-Dec-24 31-Dec-24 04-Jan-25 11-Jan-25 18-Jan-25 05-Feb-25 14-Feb-25 22-Feb-25 24-Feb-25 17-Mar-25 09-Dec-24 12-Dec-24	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding Emergency W - Modification of Existing Emergency Bypass Chamber - Binding Emergency W - Modification of Existing Emergency Bypass Chamber - MHA1 - Excavation: FEL +1.0 b-3.35m PD (481 m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill b - 20mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Remove S3
N-3370 N-3380 N-3390 Imergency Bypass Chamber IW-3530 W-3110 W-3120 W-3120 W-3120 W-3120 W-3140 W-3140 W-3140 W-3140 W-3140 W-3140 W-3140 W-3140 W-3100 W-3630 W-3630 W-3650	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - Remove S3         W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Modification at Existing EBC         W - Modification of Existing Emergency Bypass Chamber - Blinding and waterproofing         W - Modification of Existing Emergency Bypass Chamber - Constructural Byte Modification of Existing Emergency Bypass Chamber - Constructural Byte Modification of Existing Emergency Bypass Chamber - Constructural and backfill Remove S2         W - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to 51         W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to 51         W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill Remove S1         W - Modification of Existing Emergency Bypass Chamber - Construct wall / top slab         W - Modification of Existing Emergency Bypass Chamber - Remove formwork, waterproofing, backfill Remove S1         W - Modification of Existing Emergency Bypass Chamber - Construct wall / top slab         W - Modification of Existing Emergency Bypass Chamber - Remove formwork, waterproofing, backfill to GL         W - Modification of Existing Emergency Bypass Chamber - E&Minstallation (term. water deflector, cofing opening)         r-Mandle MiHA1         W - Modification of Existing Emergency Bypass Chamber - MHA1 - Excavation: FEL +1.0 to -3.35m PD (481m3)	3 3 6 6 6 6 8 7 8 18 18 1 3 2 2	20-Dec-24 24-Dec-24 28-Dec-24 02-Jan-25 06-Jan-25 20-Jan-25 20-Jan-25 20-Jan-25 27-Jan-25 06-Feb-25 15-Feb-25 25-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24 16-Dec-24	23-Dec-24 27-Dec-24 31-Dec-24 04-Jan-25 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 14-Feb-25 24-Feb-25 17-Mar-25 09-Dec-24 12-Dec-24 14-Dec-24	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber - Remove S3 W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3m W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - Binding and w W - Modification of Existing Emergency Bypass Chamber - M-Modification of Existing Emergency Bypass Chamber - MHAI - Excavation: FEL +1.0 to -3.35mPD (481 m3) W - Modification of Existing Emergency Bypass Chamber - MHAI - Excavation: FEL +1.0 to -3.35mPD (481 m3) W - Modification of Existing Emergency Bypass Chamber - MHAI - Excavation: FEL +1.0 to -3.35mPD (481 m3) W - Modification of Existing Emergency Bypass Chamber - MHAI - Excavation: FEL +1.0 to -3.35mPD (481 m3) W - Modification of Existing Emergency Bypass Chamber - MHAI - Backfill rockfill to -1.3mPD
N-3370           N-3380           N-3390           mergency Bypass Chamber           Imergency Bypass Chamber           W-3500           W-3110           W-3120           W-3120           W-3120           W-3180           W-3140           W-3540           W-3540           W-3620           W-3620           W-3640           W-3650           W-3550           W-3560	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD           M - Modification of Existing Emergency Bypass Chamber - Remove S3           M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD           er - Structural Works           r - Structural Works           W - Modification at Existing Emergency Bypass Chamber - Blinding and waterproofing           M - Modification of Existing Emergency Bypass Chamber - Construct base slab           M - Modification of Existing Emergency Bypass Chamber - Remove formwork, backfill Remove S2           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to G4           M - Modification of Existing Emergency Bypass Chamber - Istall bulknead at existing chamber           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to G4           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to G4           M - Modification of Existing Emergency Bypass Chamber - MHA1 - Sackfill rockfill to -2.0mPD           M - Modification of E	3 3 6 6 6 6 8 7 8 18 18 1 2 2 3	20-Dec-24 24-Dec-24 28-Dec-24 06-Jan-25 13-Jan-25 20-Jan-25 27-Jan-25 27-Jan-25 15-Feb-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24 18-Dec-24	23-Dec-24 27-Dec-24 31-Dec-24 	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 20mPD     W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r     W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r     W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r     W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r     W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r     W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill b - 1.3r     W - Modification of Existing Emergency Bypass Chamber - C     W - Modification of Existing Emergency Bypass Chamber - C     W - Modification of Existing Emergency Bypass Chamber - MHAI - Excavation: FEL +1.0 b - 3.35mPD (481 m3)     W - Modification of Existing Emergency Bypass Chamber - MHAI - Excavation: FEL +1.0 b - 3.35mPD (481 m3)     W - Modification of Existing Emergency Bypass Chamber - MHAI - Backfill rockfill b - 2.0mPD     W - Modification of Existing Emergency Bypass Chamber - MHAI - Backfill rockfill b - 1.3mPD     W - Modification of Existing Emergency Bypass Chamber - MHAI - Backfill rockfill b - 1.3mPD     W - Modification of Existing Emergency Bypass Chamber - MHAI - Binding and waterproofing
N-3370           N-3380           N-3380           N-3380           Imergency Bypass Chamber           Imergency Bypass Chamber           W-3530           W-3110           W-3120           W-3120           W-3120           W-3140           W-3540           W-350           W-3600           W-3600	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - Remove S3         W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Modification at Existing EBC         W - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing         W - Modification of Existing Emergency Bypass Chamber - Constructbase slab         W - Modification of Existing Emergency Bypass Chamber - Remove formwork, backfill Remove S2         W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         W - Modification of Existing Emergency Bypass Chamber - Construct wall hop slab         W - Modification of Existing Emergency Bypass Chamber - Remove formwork, waterproofing, backfill, Remove S1         W - Modification of Existing Emergency Bypass Chamber - Nenall butknead atexisting chamber         W - Modification of Existing Emergency Bypass Chamber - Nenall butknead atexisting chamber         W - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL         W - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL         W - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL         W - Modification of Existing Emergency Bypass Chambe	3 3 6 6 6 6 8 7 8 18 1 3 2 2 2 3 6	20-Dec-24 24-Dec-24 28-Dec-24 06-Jan-25 06-Jan-25 20-Jan-25 27-Jan-25 06-Feb-25 15-Feb-25 15-Feb-25 15-Feb-25 99-Dec-24 10-Dec-24 13-Dec-24 18-Dec-24 21-Dec-24 21-Dec-24 08-Jan-25	23-Dec-24 27-Dec-24 31-Dec-24 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill
N-3370           N-3380           N-3380           N-3380           Imergency Bypass Chamber           Imergency Bypass Chamber           W-3530           W-3110           W-3120           W-3120           W-3120           W-3140           W-3540           W-350           W-3600           W-3600	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - Remove S3         W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Moorks         r - Structural Moorks         W - Modification of Existing Emergency Bypass Chamber - Blinding and waterproofing         M - Modification of Existing Emergency Bypass Chamber - Construct base slab         M - Modification of Existing Emergency Bypass Chamber - Remove formwork, backfill, Remove S2         M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Remove formwork, waterproofing, backfill, Remove S1         M - Modification of Existing Emergency Bypass Chamber - Remove formwork, waterproofing, backfill Remove S1         M - Modification of Existing Emergency Bypass Chamber - Remove formwork/, waterproofing, backfill to GL         M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL         M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL         M - Modification of Existing Emergency Bypass Chamber - Menove formwork/falsework, waterproofing, backfill to GL         M - Modification of Existing Emergency Bypass Chamber - MA1 - Exocvation: FEL +1.0 b -3.35mPD (481 m	3 3 6 6 6 8 7 8 18 1 3 2 3 6 6 6 6 8 7 8 18 10 10 10 10 10 10 10 10 10 10	20-Dec-24 24-Dec-24 28-Dec-24 28-Dec-24 33-Jan-25 20-Jan-25 27-Jan-25 26-Feb-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24 18-Dec-24 18-Dec-24 31-Dec-24	23-Dec-24 27-Dec-24 31-Dec-24 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Ministry Emergency Bypass Chamber - Backfill rockfill to -1.3r W - Modification of Existing Emergency Bypass Chamber - Ministry - Modification of Existing Emergency Bypass Chamber - Ministry - Modification of Existing Emergency Bypass Chamber - Ministry - Ministry - Modification of Existing Emergency Bypass Chamber - Ministry -
W-3370 W-3380 W-3390 mergency Bypass Chamber W-3530 W-3110 W-3160 W-3120 W-3120 W-3120 W-3140 W-3140 W-3540 W-3540 W-3540 W-3540 W-3620 W-3620 W-3630 W-3620 W-3630 W-3640 W-3550 W-3560 W-3500 W-3500 W-3500 W-3500 W-3500 W-3500 W-3500 W-3500 W-3500 W-3500 W-350	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - Remove S3         W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Morks         r - Structural Works         W - Modification at Existing EBC         W - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing         W - Modification of Existing Emergency Bypass Chamber - Construct base slab         W - Modification of Existing Emergency Bypass Chamber - Construct base slab         W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         W - Modification of Existing Emergency Bypass Chamber - Construct wall hop slab         W - Modification of Existing Emergency Bypass Chamber - Nenall butknead atexisting chamber         W - Modification of Existing Emergency Bypass Chamber - Remove formwork/stalework, waterproofing, backfill to GL         W - Modification of Existing Emergency Bypass Chamber - Nenall butknead atexisting chamber         W - Modification of Existing Emergency Bypass Chamber - MEA1 - Excavation: FEL +1.0 to -3.35mPD(481m3)         W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfil to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfil to -1.3mPD         W - Modification	3 3 6 6 6 8 7 8 18 18 18 1 2 2 2 3 3 6 6 8 8 8 6	20-Dec-24 24-Dec-24 28-Dec-24 28-Dec-24 28-Dec-24 06-Jan-25 13-Jan-25 20-Jan-25 27-Jan-25 06-Feb-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24 13-Dec-24 13-Dec-24 21-Dec-24 31-Dec-24 31-Dec-24 31-Dec-24 31-Dec-24	23-Dec-24 27-Dec-24 31-Dec-24 31-Dec-24 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 14-Feb-25 14-Feb-25 17-Mar-25 09-Dec-24 12-Dec-24 14-Dec-24 17-Dec-24 14-Dec-24 17-Dec-24 30-Dec-24 07-Jan-25 16-Jan-25	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill
W-3370 W-3380 W-3380 W-3390 <b>Emergency Bypass Chamber</b> M-3530 W-3110 W-3120 W-3120 W-3120 W-3140 W-3140 W-3540 W-3540 W-3540 W-3540 W-3630 W-3630 W-3630 W-3630 W-3650 W-3650 W-3550 W-3560 W-3580 W-3580 W-3580 W-3590 M-3500 M-3500 M-3500 M-	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD           W - Modification of Existing Emergency Bypass Chamber - Remove S3           W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD           er - Structural Mocks           r - Structural Mocks           W - Modification at Existing EBC           M - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing           M - Modification of Existing Emergency Bypass Chamber - Constructbase slab           M - Modification of Existing Emergency Bypass Chamber - Remove formwork, backfill Remove S2           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill co S1           M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill co S1           M - Modification of Existing Emergency Bypass Chamber - Remove formwork, waterproofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - Menove formwork/falsework, waterproofing, backfill to GL           M - Modification of Existing Emergency Bypass Chamber - MHA1 - Excavation: FEL +1.0 to -3.35mPD (481 m3)           M - Modification of Existing Emer	3 3 6 6 6 8 7 8 8 18 18 1 3 2 2 2 2 3 6 6 6 8 8 6 8 8 6 2 4	20-Dec-24 24-Dec-24 28-Dec-24 28-Dec-24 33-Jan-25 20-Jan-25 27-Jan-25 27-Jan-25 27-Jan-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24 13-Dec-24 18-Dec-24 18-Dec-24 31-Dec	23-Dec-24 27-Dec-24 31-Dec-24 9 9 9 9 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 14-Feb-25 14-Feb-25 17-Mar-25 09-Dec-24 12-Dec-24 12-Dec-24 12-Dec-24 14-Dec-24 17-Dec-24 07-Jan-25 16-Jan-25 23-Jan-25 23-Jan-25	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill
W-3370 W-3380 W-3380 <b>Emergency Bypass Chamber</b> M-3530 W-3110 W-3120 W-3120 W-3170 W-3180 W-3140 W-3140 W-3140 W-3540 W-3540 W-3630 W-3630 W-3640 W-3650 W-3660 W-3560 W-3560 W-3560 W-3560 W-3580 W-3	W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - Remove S3         W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Morks         r - Structural Works         W - Modification at Existing EBC         W - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing         W - Modification of Existing Emergency Bypass Chamber - Construct base slab         W - Modification of Existing Emergency Bypass Chamber - Construct base slab         W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         W - Modification of Existing Emergency Bypass Chamber - Construct wall hop slab         W - Modification of Existing Emergency Bypass Chamber - Nenall butknead atexisting chamber         W - Modification of Existing Emergency Bypass Chamber - Remove formwork/stalework, waterproofing, backfill to GL         W - Modification of Existing Emergency Bypass Chamber - Nenall butknead atexisting chamber         W - Modification of Existing Emergency Bypass Chamber - MEA1 - Excavation: FEL +1.0 to -3.35mPD(481m3)         W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfil to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfil to -1.3mPD         W - Modification	3 3 6 6 6 8 7 8 18 18 18 1 2 2 2 3 3 6 6 8 8 8 6	20-Dec-24 24-Dec-24 28-Dec-24 28-Dec-24 28-Dec-24 06-Jan-25 13-Jan-25 20-Jan-25 27-Jan-25 06-Feb-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24 13-Dec-24 13-Dec-24 21-Dec-24 31-Dec-24 31-Dec-24 31-Dec-24 31-Dec-24	23-Dec-24 27-Dec-24 31-Dec-24 31-Dec-24 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 14-Feb-25 14-Feb-25 17-Mar-25 09-Dec-24 12-Dec-24 14-Dec-24 17-Dec-24 14-Dec-24 17-Dec-24 30-Dec-24 07-Jan-25 16-Jan-25	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill
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N-3370           N-3380           N-3390           mergency Bypass Chamber           Imergency Bypass Chamber           W-3110           W-3120           W-3120           W-3120           W-3120           W-3140           W-3140           W-3540           W-3540           W-3100           W-3620           W-3620           W-3650           W-3560           W-3580           W-3590           M-3590           W-3590           W-3610           V Works (IV)           V Foundation & ELS Works	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - Remove S3         W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Works         r - Structural Works         W - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing         M - Modification of Existing Emergency Bypass Chamber - Constructbase slab         M - Modification of Existing Emergency Bypass Chamber - Remove formwork, backfill Remove S2         M - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to G4         M - Modification of Existing Emergency Bypass Chamber - Istall bulknead atexisting chamber         M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to G4         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Excavation: FEL +1.0 b -3.35mPD(481m3)         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -2.0mPD         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -2.0mPD         M - Modification of Existing Emergency Bypass Chamber - MHA1	3 3 6 6 6 8 7 8 8 18 7 8 8 18 7 8 8 18 7 8 8 18 7 8 8 18 7 8 8 18 8 9 7 8 8 18 8 9 6 6 6 6 6 6 6 8 8 7 7 8 8 18 9 6 8 8 8 7 8 9 8 8 8 8 8 9 8 8 8 8 8 9 8 8 8 8	20-Dec-24 24-Dec-24 28-Dec-24 28-Dec-24 33-Jan-25 20-Jan-25 27-Jan-25 27-Jan-25 27-Jan-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24 13-Dec-24 18-Dec-24 18-Dec-24 31-Dec	23-Dec-24 27-Dec-24 31-Dec-24 9 9 9 9 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 14-Feb-25 14-Feb-25 17-Mar-25 09-Dec-24 12-Dec-24 12-Dec-24 12-Dec-24 14-Dec-24 17-Dec-24 07-Jan-25 16-Jan-25 23-Jan-25 23-Jan-25	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill
N-3370         N-3380         N-3390         mergency Bypass Chamber         W-3530         W-3110         W-3120         W-3120         W-3120         W-3140         W-3140         W-3140         W-3540         W-3540         W-3620         W-3620         W-3650         W-3660         W-3560         W-3560         W-3560         W-3560         W-3600         W-3600         W-3600         W-3610         Edworks (IW)         VF Foundation & ELS Work         V Basement	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - Remove S3         W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Works         r - Structural Works         W - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing         M - Modification of Existing Emergency Bypass Chamber - Constructbase slab         M - Modification of Existing Emergency Bypass Chamber - Remove formwork, backfill Remove S2         M - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to G4         M - Modification of Existing Emergency Bypass Chamber - Istall bulknead atexisting chamber         M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to G4         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Excavation: FEL +1.0 b -3.35mPD(481m3)         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -2.0mPD         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -2.0mPD         M - Modification of Existing Emergency Bypass Chamber - MHA1	3 3 6 6 6 8 7 8 8 18 7 8 8 18 7 8 8 18 7 8 8 18 7 8 8 18 7 8 8 18 8 9 7 8 8 18 8 9 6 6 6 6 6 6 6 8 8 7 7 8 8 18 9 6 8 8 8 7 8 9 8 8 8 8 8 9 8 8 8 8 8 9 8 8 8 8	20-Dec-24 24-Dec-24 28-Dec-24 28-Dec-24 33-Jan-25 20-Jan-25 27-Jan-25 27-Jan-25 27-Jan-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24 13-Dec-24 18-Dec-24 18-Dec-24 31-Dec	23-Dec-24 27-Dec-24 31-Dec-24 9 9 9 9 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 14-Feb-25 14-Feb-25 17-Mar-25 09-Dec-24 12-Dec-24 12-Dec-24 12-Dec-24 14-Dec-24 17-Dec-24 07-Jan-25 16-Jan-25 23-Jan-25 23-Jan-25	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill
N-3370 N-3380 N-3380 N-3380 N-3390 mergency Bypass Chamber W-3550 W-3110 W-3120 W-3120 W-3140 W-3120 W-3140 W-3140 W-3540 W-3540 W-3540 W-3540 W-3540 W-3630 W-3630 W-3630 W-3630 W-3650 W-3650 W-3650 W-358	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - Remove S3         W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Works         r - Structural Works         W - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing         M - Modification of Existing Emergency Bypass Chamber - Constructbase slab         M - Modification of Existing Emergency Bypass Chamber - Remove formwork, backfill Remove S2         M - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to G4         M - Modification of Existing Emergency Bypass Chamber - Istall bulknead atexisting chamber         M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to G4         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Excavation: FEL +1.0 b -3.35mPD(481m3)         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -2.0mPD         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -2.0mPD         M - Modification of Existing Emergency Bypass Chamber - MHA1	3 3 6 6 6 8 7 8 8 18 7 8 8 18 7 8 8 18 7 8 8 18 7 8 8 18 7 8 8 18 8 9 7 8 8 18 8 9 6 6 6 6 6 6 6 8 8 7 7 8 8 18 9 6 8 8 8 7 8 9 8 8 8 8 8 9 8 8 8 8 8 9 8 8 8 8	20-Dec-24 24-Dec-24 28-Dec-24 28-Dec-24 33-Jan-25 20-Jan-25 27-Jan-25 27-Jan-25 27-Jan-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24 13-Dec-24 18-Dec-24 18-Dec-24 31-Dec	23-Dec-24 27-Dec-24 31-Dec-24 9 9 9 9 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 14-Feb-25 14-Feb-25 17-Mar-25 09-Dec-24 12-Dec-24 12-Dec-24 12-Dec-24 14-Dec-24 17-Dec-24 07-Jan-25 16-Jan-25 23-Jan-25 23-Jan-25	-327 -327 -327 -327 -327 -327 -327 -327	W - Modification of Existing Emergency Bypass Chamber - Backfill to -2.0mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill
W-3370           W-3380           W-3380           W-3380           Biggency Bypass Chamber           W-3530           W-3110           W-3120           W-3120           W-3120           W-3140           W-3140           W-3140           W-3140           W-3140           W-3140           W-3140           W-3140           W-3540           W-3100           W-3620           W-3620           W-3620           W-3620           W-3550           W-3550           W-3550           W-3580           W-3590           mergency Bypass Chamber           W-3610           et Works (IW)           V Foundation & ELS Work           W Basement RC Works           WZone AD	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - Remove S3         W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Works         r - Structural Works         W - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing         M - Modification of Existing Emergency Bypass Chamber - Constructbase slab         M - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to S1         M - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to GL         M - Modification of Existing Emergency Bypass Chamber - Remove formwork/falsework, waterproofing, backfill to GL         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Excavation: FEL +11.0 b -3.35mPD(481m3)         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -2.0mPD         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD         M - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -3.0mPD         M - Modification of Existing Emergency Bypass Chamber - MHA1 - C	3 3 6 6 6 8 7 7 8 18 18 1 1 3 2 2 3 3 6 6 8 8 6 6 8 8 6 2 4 15	20-Dec-24 24-Dec-24 28-Dec-24 28-Dec-24 28-Dec-24 13-Jan-25 20-Jan-25 27-Jan-25 27-Jan-25 25-Feb-25 15-Feb-25 15-Feb-25 15-Feb-25 09-Dec-24 10-Dec-24 13-Dec-24 13-Dec-24 13-Dec-24 21-Dec-24 31-Dec-24 13-Dec	23-Dec-24 27-Dec-24 31-Dec-24 31-Dec-24 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 24-Feb-25 24-Feb-25 24-Feb-25 14-Feb-25 24-Feb-25 09-Dec-24 12-Dec-24 14-Dec-24 14-Dec-24 17-Dec-24 20-Dec-24 20-Dec-24 30-Dec-24 30-Dec-24 30-Dec-24 16-Jan-25 16-Jan-25 23-Jan-25	-327 -327 -327 -327 -327 -327 -327 -327	M - Modification of Existing Emergency Bypass Chamber - Backfill coddil to -2 om PD W - Modification of Existing Emergency Bypass Chamber - Remove S3 W - Modification of Existing Emergency Bypass Chamber - Backfill coddil to -1 3r W - Modification of Existing Emergency Bypass Chamber - Binding and v W - Modification of Existing Emergency Bypass Chamber - Binding and v W - Modification of Existing Emergency Bypass Chamber - Binding and v W - Modification of Existing Emergency Bypass Chamber - Binding and v W - Modification of Existing Emergency Bypass Chamber - Binding and v W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - Backfill coddil to -1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - 1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - 1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - 1 3rm PD W - Modification of Existing Emergency Bypass Chamber - Mini - 1 3rm PD W - Modification of Existing Emergency Bypass Cha
W-3370 W-3380 W-3390 Emergency Bypass Chamber M-3530 W-3110 W-3140 W-3120 W-3170 W-3180 W-3140 W-3140 W-3140 W-3140 W-3140 W-3130 Emergency Bypass Chamber W-360 W-360 W-360 W-360 W-3550 W-3560 W-3560 W-3560 W-3580 W-3580 W-3580 W-3580 W-3590 Emergency Bypass Chamber W-360 W-3590 Emergency Bypass Chamber W-360 W-3590 Emergency Bypass Chamber W-360 W-3590 Emergency Bypass Chamber W-360 W-3590 M-3590 Emergency Bypass Chamber W-360 W-36	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - Remove S3         W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD         er - Structural Mocks         r - Structural Mocks         W - Modification of Existing Emergency Bypass Chamber - Binding and waterproofing         W - Modification of Existing Emergency Bypass Chamber - Constructbase slab         W - Modification of Existing Emergency Bypass Chamber - Remove formwork, backfill Remove S2         W - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill to S1         W - Modification of Existing Emergency Bypass Chamber - Constructwall and backfill Remove S1         W - Modification of Existing Emergency Bypass Chamber - Constructwall / top slab         W - Modification of Existing Emergency Bypass Chamber - Nemove formwork, waterproofing, backfill to GL         W - Modification of Existing Emergency Bypass Chamber - Nemove formwork/falsework, waterproofing, backfill to GL         W - Modification of Existing Emergency Bypass Chamber - MEA1 - Excavation: FEL +1.0 to -3.35mPD(481 m3)         W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -2.0mPD         W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD         W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill to -1.3mPD         W - Modification of Existing Emergency Bypass Cham	3 3 6 6 6 8 7 8 18 1 3 2 2 3 3 6 6 8 8 6 8 8 6 15 15 15 15 15 15 15 15 15 15	20-Dec-24 24-Dec-24 28-Dec-24 28-Dec-24 28-Dec-24 28-Dec-24 20-Jan-25 20-Jan-25 27-Jan-25 27-Jan-25 15-Feb-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24 13-Dec-24 13-Dec-24 13-Dec-24 21-Dec-24 17-Jan-25 17-Jan-25 18-Feb-25	23-Dec-24 27-Dec-24 31-Dec-24 31-Dec-24 11-Jan-25 18-Jan-25 25-Jan-25 05-Feb-25 14-Feb-25 14-Feb-25 17-Mar-25 09-Dec-24 12-Dec-24 12-Dec-24 17-Dec-24 30-Dec-24 07-Jan-25 16-Jan-25 23-Jan-25 17-Feb-25 06-Mar-25	-327 -327 -327 -327 -327 -327 -327 -327	M - Modification of Existing Emergency Bypass Chamber - Remove S3 W - Modification of Existing Emergency Bypass Chamber - Remove S3 W - Modification of Existing Emergency Bypass Chamber - Backfil rockfil to - 1.37 W - Modification of Existing Emergency Bypass Chamber - Binding and vi- W - Modification of Existing Emergency Bypass Chamber - Binding and vi- W - Modification of Existing Emergency Bypass Chamber - Binding and vi- W - Modification of Existing Emergency Bypass Chamber - Binding and vi- W - Modification of Existing Emergency Bypass Chamber - Binding and vi- W - Modification of Existing Emergency Bypass Chamber - Binding Emergency Bypass Chamber - Binding Emergency W - Modification of Existing Emergency Bypass Chamber - MHA1 - Exavator: FEL +1.0.0-5.335m PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil In Chill ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil In Chill ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil In Chill ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil In Chill ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil In Chill ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Bypass Chamber - MHA1 - Bindifil ID - J. 30Fm PD (481m3) W - Modification of Existing Emergency Byp
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N-3370         N-3380         N-3390         mergency Bypass Chamber         W-3530         W-3110         W-3120         W-3120         W-3120         W-3120         W-3140         W-3140         W-3540         W-3540         W-3620         W-3620         W-3630         W-3640         W-3650         W-3650         W-3660         W-3560         W-3560         W-3560         W-3560         W-3600         W-3600         V-280         V-1280         V-3610         et Works (IW)         VF Foundation & ELS Work         W Basement RC Works         WZone AD         Z1-W-6910	M - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -2.0mPD           W - Modification of Existing Emergency Bypass Chamber - Remove S3           W - Modification of Existing Emergency Bypass Chamber - Backfill rockfill to -1.3mPD           er - Structural modification at Existing EBC           W - Modification of Existing Emergency Bypass Chamber - Blinding and waterproofing           W - Modification of Existing Emergency Bypass Chamber - Constructbase slab           W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill to S1           W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill co S1           W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill co S1           W - Modification of Existing Emergency Bypass Chamber - Construct wall and backfill co S1           W - Modification of Existing Emergency Bypass Chamber - Construct wall / top slab           W - Modification of Existing Emergency Bypass Chamber - Nenove formwork, waterproofing, backfill to GL           W - Modification of Existing Emergency Bypass Chamber - Mexill bukfined at existing chamber           W - Modification of Existing Emergency Bypass Chamber - Mixil bukined at existing and waterproofing, backfill to GL           W - Modification of Existing Emergency Bypass Chamber - MHA1 - Excavation: FEL +1.0 b -3 35m PD (481 m3)           W - Modification of Existing Emergency Bypass Chamber - MHA1 - Backfill rockfill b -13mPD           M - Modification of Existing Emergency Bypass Chamber - MHA1	3 3 6 6 6 8 7 7 8 18 18 18 18 11 3 2 2 2 3 6 6 6 8 8 6 8 6 8 8 6 2 4 15	20-Dec-24 24-Dec-24 28-Dec-24 28-Dec-24 28-Dec-24 28-Dec-24 20-Jan-25 20-Jan-25 20-Jan-25 27-Jan-25 15-Feb-25 15-Feb-25 15-Feb-25 25-Feb-25 09-Dec-24 10-Dec-24 13-Dec-24 13-Dec-24 13-Dec-24 21-Dec-24 31-Dec	23-Dec-24 27-Dec-24 31-Dec-24 31-Dec-24 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	-327 -327 -327 -327 -327 -327 -327 -327	M-Modification of Existing Emergency Bypass Chamber - Render S3     M-Modification of Existing Emergency Bypass Chamber - Backfil rockfill b - 1 37     W-Modification of Existing Emergency Bypass Chamber - Backfil rockfill b - 1 37     W-Modification of Existing Emergency Bypass Chamber - Backfil rockfill b - 1 37     W-Modification of Existing Emergency Bypass Chamber - Backfil rockfill b - 1 37     W-Modification of Existing Emergency Bypass Chamber - Backfil rockfill b - 1 37     W-Modification of Existing Emergency Bypass Chamber - Backfil rockfill b - 1 37     W-Modification of Existing Emergency Bypass Chamber - Backfil rockfill b - 1 37     W-Modification of Existing Emergency Bypass Chamber - Millication of Existing Emergency Bypass Chamber - Milli

Remaining Level of Ef...
Actual Work
Remaining Work
Critical Remaining Work
Milestone

Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Monthly Progress Report No. 49- 3MRP (Nov 24)

Project ID : DWPr44\_241209 Layout : DC201910 MPR49-3MRP Page 3 of 8

	March 53		A	pril 54	May 55
_G	09 16	23 30	06	13 20	27 04
ymer prepara	tion system				
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				Submit/Procur	e/Manufacture/Deliver
				Submit/Procum	e/Manufacture/Deliver
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	SubmitPro	cure/manulaciure	Deliver 115 Equip	Chemical cleaning	system
	Portion 3 - Initial Survey Portion 3 - Installation c	and Record, Uno	derground Utilities D	etection ad and Temp Eccliff	20
			, sanan ue , naun RO	a and remp Facilitie	~
105 for Bioga	s Holder Tank 1(Submission an	d Approval Period	1)		
1					
PSubstation	No.1 & 2 & DSD11KV Switchge	ar-GRC daddin	a-installation		
			9 11021101011		
e formwork, ba	ackfill, Remove S2				
er-Construc	twall and backfill to S1	ntomroofing bod	fill Domovo S1		
xisting Emerg	hamber - Remove formwork, w jency Bypass Chamber - Cons	tructwall/top slab			
	Existing Emergency Bypass Ch of Existing Emergency Bypass				ackfill to GL
					allation (temp. water de
nstructwall/to MHA1-Rem	p slab iove formwork/falework, waterpi	oofina			
n of Existing E	mergency Bypass Chamber - IW - Modification of Existing En	1200mm Pipe La nergency Bynass	ying (18d) & Testing Chamber - Backfilli	(6d) ng and remove strute	(-0.9 to +5mPD)
	Ma	onthly Proc	gress Repo	ort - 3MRP	
)	Date		<i>i</i> sion	Checked	Approved
	30-Nov-24	Rev. 0			
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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	November 49	De cember 50	January February 51 52
		Dui				7 03 10 17 24	01 08 15 22	
Z1-IW-4100	WB - Water Tightness Test Phase 4 (inlet channel no. 1)	15	21-Oct-24 A	06-Dec-24	-337		WB - Water Tightness Test Phase 4 (inlet)	
Z1-IW-6920	WB - Water Tightness Test Phase 3 (Coarse screen channels)	18	02-Dec-24	21-Dec-24	-342			htness Test Phase 3 (Coarse screen channels)
Z1-IW-7090	WB - Strike formwork and make good for water tightness test (Inlet channel, -0.5 to +5mPD)	4	16-Dec-24	19-Dec-24	-314		IWB - Strike formw	rk and make good for water tightness test (Inlet channel, -0.5 to +5mPD)
Z1-IW-4110	WB - Water Tightness Test Phase 5 (inlet channel no. 2)	17	20-Dec-24	11-Jan-25	-314			IWB - Water Tightness Test Phase 5 (inlet channel no. 2)
Z1-IW-6940	WB - Water Tightness Test Phase 6 (inlet wet well no. 2)	16	23-Dec-24	13-Jan-25	-338			WB - Water Tightness Test Phase 6 (inlet wet well no. 2)
IW Civil and Structural Wo	orks							
IW Superstructure								
RC Works								
Zone D								
Z1-IW-7030	WS (D) - Wall and slab RC Works (Grittrap no.1-3, +5.0mPD)	29	30-Sep-24 A	05-Dec-24	-308		IWS (D) - Wall and slab RC Works (Grittrap	no.1-3, +5.0mPD)
Zone A3								
Z1-IW-7080	MS (A3) - Roof Slab of Falseworks, Formworks and RC Works (+18.2mPD)	14	23-Jan-25	11-Feb-25	-262			IWS (A3) - Roof Slab of Fal
Water Tightness Test for	r IW Superstructure							
Zone D+A1 (+7.835)								
Z1-IW-4250	MS - Water Tightness Test (fine screen 1-4/influent channel/flow distribution channel)	18	31-Oct-24 A	12-Dec-24	-285		WS - Water Tightness Test (fine	screen1-4/influentchannel/flow distribution channel)
Zone D+A1 (+5.0)								
Z1-IW-7000	WB - Concrete develop strength (W Zone D+A1 +5 slab)	7	15-Nov-24 A	06-Dec-24	-308		WB - Concrete develop strength (W Zon	D+A1 +5 slab)
Z1-IW-7010	MB - Strike formwork and make good for water tightness test (W Zone D+A1 +5 slab)	7	22-Nov-24 A	07-Dec-24	-308		WB - Strike formwork and make good f	r watertightness test (W Zone D+A1 +5 slab)
Z1-IW-6970	MS - Water Tightness Test (grit trap no.1-3)	18	05-Dec-24	27-Dec-24	-308		I WS	WaterTightnessTest (grittrap no.1-3)
Zone A2 +A3 (+7.83 5)								
Z1-IW-6980	WB - Concrete develop strength (W Zone A2 +A3 +11.8 slab)	7	14-Oct-24 A	21-Oct-24 A		te develop strength (IW Zone A2 +A3 +11.8 slab)		
Z1-IW-6990	WB - Strike formwork and make good for water tightness test (W Zone A2+A3 +11.8 slab)	7	22-Oct-24 A	29-Oct-24 A		IWB - Strike formwork and make good for water tightn	ss test (IW Zone A2+A3 +11.8 slab)	
IW ABWF Works								
WABWF Works 1st fix for Ea	&M handover							
IW ABWF Works - Zone	A/D							
Below +11 8 mPD								
Dry Area								
IW-2780	InletWork -ABWF Works 1stfix@ Ground Floor (basementto +11.8mPD)	12	19-Oct-24 A	03-Dec-24	-314		Inlet Work - ABWF Works 1st fix @ Ground Floo	r(basement to +11.8mPD)
Above +11 8mPD						<u>   </u>		
IW-3500	InletWork -ABWF Works 1stfix@ FirstFloor (Zone D, +11.8 to +18.3mPD)	10	30-Sep-24 A	22-Oct-24 A		ABWF Works 1stfix@ First Floor (Zone D, +11.8 to +18	3mPD)	
IW-3010	InletWork -ABWF Works 1stfix@ FirstFloor (Zone A, +11.8 b +18.3mPD)	12	14-Oct-24 A	14-Dec-24	-348		Inlet Work - ABWF Works 1:	tfix@FirstFloor(ZoneA,+11.8 b+18.3mPD)
WABWF Works final fix								
IW-3250	InletWork -ABWF Works final fixabove +11.8mPD	90	20-Jan-25	14-May-25	-306			
IW-3260	InletWork - ABWF Works final fixbelow +11.8mPD	90	20-Jan-25	14-May-25	-306			
IWABWF Works - Roof								
IW-2990	Inlet Work - Construct concrete plinth for PV panel (526nos, 11nos/day/gang, 2gangs)	24	14-Nov-24 A	25-Feb-25	-262			hle
IVV-3030	InletWork - ABWF Works @ External Wall	120	02-Dec-24	02-May-25	-264			· · · · · · · · · · · · · · · · · · ·
IVV-3000	InletWork -ABWF Works @ Roof Floor (+18.3mPD)	50	26-Feb-25	29-Apr-25	-262			
IW BS Works								
ATAL-1520	IW - MVAC Works	80	04-Feb-25	14-May-25	-306			
ATAL-1530	W - ELV Works	80	04-Feb-25	14-May-25	-329			
ATAL-1540	W - P&D Works	80	04-Feb-25	14-May-25	-318			
ATAL-1550	W-ELWorks	80	04-Feb-25	14-May-25	-329			
ATAL-1560	W - F.S. Works	80	04-Feb-25	14-May-25	-318			
IW Transformer House No.	.1							
WTx1 E&MWorks								
	TX House No. 1 - BS & Transformer Installation	32	25-Mar-24 A	13-Dec-24	-263		TX House No. 1 - BS & Trans	ormer Installation
IW-2840	TA House No. 1 - BS & transformer installation	32	201100-2471	10 000 21			IXTIGUSETIC: I - DO & Halls	Sind not and sin
W-2840 IW E&M Works	TA House No. 1 - 55 & Italisiormeninsialialion	32	20100-2471	10 20021			TATIOUS THE T - DO UTIN	
	IX House No. I - BS & Italisionmen instalation W - E&MHandover @ below +18.3mPD (Zone D)	0	201001-2474	23-Oct-24 A		Handover @ below +18.3mPD (Zone D)		
IW E&M Works			201081-2471				r@below+6.0mPD (Zone A, intetwe I)	
IW E&M Works ATAL-1780	W - E&MHandover@below+18.3mPD (Zone D)	0		23-Oct-24 A			r@below+6.0mPD (Zone A, intetwe I) ♦ W-E&MHandover@below+18.3mPD (Zone /	)
IW E&M Works ATAL-1780 ATAL-1820	W - E&MHandover@below+18.3mPD (Zone D) W - E&MHandover@below+6.0mPD (Zone A, Irietwe I)	0		23-Oct-24 A 18-Nov-24 A			r@below+6.0mPD (Zone A, intetwel)	) A, irield hywell, ventile tan roam )
IW E&M Works ATAL-1780 ATAL-1820 ATAL-1140	W - E&MHandover @ below +18.3mPD (Zone D)         W - E&MHandover @ below +6.0mPD (Zone A, inletwel)         W - E&MHandover @ below +18.3mPD (Zone A)         W - E&MHandover @ below +6.0mPD (Zone A, inlet drywell, ventilation room)         W - E&MHandover @ below +6.0mPD (Zone A, wetwell 1)	0 0 0		23-Oct-24 A 18-Nov-24 A 02-Dec-24	-342		r@below+6.0mPD (Zone A, intetwel)	) , inled dywel, ventiston room ) ne A, wet well 1)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1840           ATAL-1838           ATAL-1832           ATAL-2050	W - E&MHandover @ below +18.3mPD (Zone D)         W - E&MHandover @ below +6.0mPD (Zone A, intervel)         W - E&MHandover @ below +18.3mPD (Zone A, intervely well, ventiation room)         W - E&MHandover @ below +6.0mPD (Zone A, indet vell 1)         W - E&MHandover @ below +10.7mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel))	0 0 0 0 0 0		23-Oct-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 05-Dec-24 12-Dec-24	-342 -314 -314 -285		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+	) A, infedrywell, ventila ton room) ne A, wet well 1) 11 &mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel))
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1810           ATAL-1838           ATAL-1838           ATAL-1832	W - E&MHandover @ below +18.3mPD (Zone D)         W - E&MHandover @ below +6.0mPD (Zone A, inletwel)         W - E&MHandover @ below +18.3mPD (Zone A)         W - E&MHandover @ below +6.0mPD (Zone A, inlet drywell, ventilation room)         W - E&MHandover @ below +6.0mPD (Zone A, wetwell 1)	0 0 0 0		23-Oct-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 05-Dec-24	-342 -314 -314		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+	) , inled dywel, ventiston room ) ne A, wet well 1)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1832           ATAL-1832           ATAL-1836           ATAL-1836           ATAL-1836	W - E&M Handover @ below +18.3mPD (Zone D)         W - E&M Handover @ below +6.0mPD (Zone A, Iriet/well)         W - E&M Handover @ below +6.0mPD (Zone A, Iriet/nywell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, iriet/nywell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, iriet/nywell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +10.mPD (Zone A, not channel, Fine Screen 1-4, Distribution Channel))         W - E&M Handover @ below +10.mPD (Zone A, coarse screen channel)         W - E&M Handover @ below +11.8mPD (Zone A, coarse screen channel)         W - E&M Handover @ below +11.8mPD (Zone A, coarse screen channel)	0 0 0 0 0 0 0 0		23-Oct-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 27-Dec-24	-342 -314 -314 -285 -342 -308		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) N. Infed drywell, ventils for room ) ne A. wet well 1) 11 SmPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pore (Delow +6 JomPD (Zone A, coarse screen chamel) pore (Delow +1 J.SmPD (Zone D, grittaps 1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1832           ATAL-1832           ATAL-2050           ATAL-1836           ATAL-1838           ATAL-1838	W - E&M Handover @ below +18.3mPD (Zone D)         W - E&M Handover @ below +6.0mPD (Zone A, inlet wel )         W - E&M Handover @ below +6.0mPD (Zone A, inlet dry well, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, inlet dry well, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, coarse screen channel)         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel)         W - E&M Handover @ below +6.0mPD (Zone A, inflexthat mel)	0 0 0 0 0 0 0 0 0 0 0		23-Oct-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25	-342 -314 -314 -285 -342 -308 -314		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A. Irled dywell, ventia ton room ) neA. wet well 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1.4, Øistribution Channel)) pver @ below +6.0mPD (Zone A, coarse screen charnel) E&MHandover @ below +11.8mPD (Zone D, gritt raps)1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1830           ATAL-1834	W - E&MHandover @ below +18.3mPD (Zone D)         W - E&MHandover @ below +6.0mPD (Zone A, inletwel)         W - E&MHandover @ below +6.0mPD (Zone A, inletdrywell, ventilation room)         W - E&MHandover @ below +6.0mPD (Zone A, inletdrywell, ventilation room)         W - E&MHandover @ below +6.0mPD (Zone A, influentChannel, Fine Screen1-4, Distribution Channel))         W - E&MHandover @ below +6.0mPD (Zone A, coarse screen channel)         W - E&MHandover @ below +0.0mPD (Zone A, coarse screen channel)         W - E&MHandover @ below +11.8mPD (Zone A, coarse screen channel)         W - E&MHandover @ below +6.0mPD (Zone A, initechannel)         W - E&MHandover @ below +6.0mPD (Zone A, initechannel)         W - E&MHandover @ below +6.0mPD (Zone A, wetwell 2)	0 0 0 0 0 0 0 0		23-Oct-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 27-Dec-24	-342 -314 -314 -285 -342 -308		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) N. Infed drywell, ventils for room ) ne A. wet well 1) 11 SmPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pore (Delow +6 JomPD (Zone A, coarse screen chamel) pore (Delow +1 J.SmPD (Zone D, grittaps 1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1832           ATAL-1832           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatmentZone (Below 1	W - E&MHandover @ below +18.3mPD (Zone D)         W - E&MHandover @ below +6.0mPD (Zone A, inletwel)         W - E&MHandover @ below +6.0mPD (Zone A, indet drywell, ventiation room)         W - E&MHandover @ below +6.0mPD (Zone A, wetwell 1)         W - E&MHandover @ below +6.0mPD (Zone A, influentChannel, Fine Screen1-4, Distribution Channel))         W - E&MHandover @ below +11.8mPD (Zone A, coarse screen channel)         W - E&MHandover @ below +11.8mPD (Zone A, coarse screen channel)         W - E&MHandover @ below +6.0mPD (Zone A, interchannel)         W - E&MHandover @ below +6.0mPD (Zone A, interchannel)         W - E&MHandover @ below +6.0mPD (Zone A, wetwell 2)         118 mPD)	0 0 0 0 0 0 0 0 0 0 0		23-Oct-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25	-342 -314 -314 -285 -342 -308 -314		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A. Irled dywell, ventia ton room ) neA. wet well 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1.4, Øistribution Channel)) pver @ below +6.0mPD (Zone A, coarse screen charnel) E&MHandover @ below +11.8mPD (Zone D, gritt raps)1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs x 3	W - E&M Handover @ below +18.3mPD (Zone A), ritet wei )         W - E&M Handover @ below +6.0mPD (Zone A, iniet wei )         W - E&M Handover @ below +6.0mPD (Zone A, iniet dryweil, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, iniet dryweil, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +10.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +10.0mPD (Zone A, onse screen channel, Fine Screen 1-4, Distribution Channel))         W - E&M Handover @ below +10.0mPD (Zone A, onse screen channel)         W - E&M Handover @ below +11.8mPD (Zone D, grittaps 1-3)         W - E&M Handover @ below +6.0mPD (Zone A, inite channel)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         113 mPDJ         34 sets at initet, Coarse Screen Channels	0 0 0 0 0 0 0 0 0 0 0		23-Oct-24 A 18-Nov-24 A 03-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25	-342 -314 -314 -285 -342 -308 -314 -338		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A, inted drywell, ventila ton room) ne A, wet well 1) 11 &mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pover @ below +60mPD (Zone A, coarse screen charrie) 5&MHandover @ below +60mPD (Zone A, intet charnel)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1832           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1836           ATAL-1830	W - E&M Handover @ below +18.3mPD (Zone A)         W - E&M Handover @ below +6.0mPD (Zone A, infet wel )         W - E&M Handover @ below +6.0mPD (Zone A, infet for ywell, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, infet for ywell, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel)         W - E&M Handover @ below +6.0mPD (Zone A, influent channel)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         11.8 mPD)         Yets at inlet, Coarse Screen Channels         W - Unloading of Penstock & Sipplogs x34 Nos*	0 0 0 0 0 0 0 0 0 0 0	07-Jan-25	23-Oct-24 A 18-Nov-24A 02-Dec-24 03-Dec-24 05-Dec-24 12-Dec-24 27-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25	-342 -314 -314 -285 -342 -308 -314 -338 -314 -338		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A. Irled dywell, ventia ton room ) neA. wet well 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1.4, Øistribution Channel)) pver @ below +6.0mPD (Zone A, coarse screen charnel) E&MHandover @ below +11.8mPD (Zone D, gritt raps)1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1832           ATAL-2050           ATAL-1836           ATAL-0000           ATAL-1830	W - E&M Handover @ below +18.3mPD (Zone D)         W - E&M Handover @ below +6.0mPD (Zone A, intervel)         W - E&M Handover @ below +18.3mPD (Zone A, intervel)         W - E&M Handover @ below +6.0mPD (Zone A, intervel)         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel, Fine Screen1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel, Fine Screen1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel, Fine Screen1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel)         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel)         M - E&M Handover @ below +6.0mPD (Zone A, influentChannel)         M - E&M Handover @ below +6.0mPD (Zone A, influentChannel)         M - E&M Handover @ below +6.0mPD (Zone A, influentChannel)         M - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         113 mPD)         34 sets at inlet, Coarse Screen Channels         M - Unbading of Penstock & Stoplogs x34 Nos*         M - Penstock x12 Nos*	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25	23-Oct-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 05-Dec-24 21-Dec-24 27-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25	-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A, inted drywell, ventila ton room) ne A, wet well 1) 11 &mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pover @ below +60mPD (Zone A, coarse screen charrie) 5&MHandover @ below +60mPD (Zone A, intet charnel)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1832           ATAL-2050           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pentrotck & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1154	W - E&M Handover @ below +18.3mPD (Zone D)         W - E&M Handover @ below +6.0mPD (Zone A, Intet vel)         W - E&M Handover @ below +6.0mPD (Zone A, Intet vel)         W - E&M Handover @ below +6.0mPD (Zone A, intet drywell, venils ton room)         W - E&M Handover @ below +6.0mPD (Zone A, intet drywell, venils ton room)         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel, Fine Screen1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, coarse screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, coarse screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, cintet channel)         W - E&M Handover @ below +6.0mPD (Zone A, intet channel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         118 mPD)         94 sets at inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Penstock x12 Nos*         W - Stoplogs x12 Nos*	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25	23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25	-342 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A, inted drywell, ventila ton room) ne A, wet well 1) 11 &mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pover @ below +60mPD (Zone A, coarse screen charrie) 5&MHandover @ below +60mPD (Zone A, intet charnel)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1832           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1154           ATAL-1156	W - E&M Handover @ below +18.3mPD (Zone A), ritet we1)         W - E&M Handover @ below +6.0mPD (Zone A, intet we1)         W - E&M Handover @ below +6.0mPD (Zone A, intet drywell, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, intet drywell, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, intet drywell, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +10.mPD (Zone A, onthe channel, Fine Screen 1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, carse screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, intet channel)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         118 mPD         Yests at Intet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Venstock x12 Nos*         W - Septides x12 Nos*         W - Leakage Te st - Combining Stoplogs /Penstocks (24nos)*	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25	23-Oct-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 05-Dec-24 21-Dec-24 27-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25	-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A, inted drywell, ventila ton room) ne A, wet well 1) 11 &mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pover @ below +60mPD (Zone A, coarse screen charrie) 5&MHandover @ below +60mPD (Zone A, intet charnel)
IW E&M Works           ATAL-1780           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1832           ATAL-2050           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatment Zone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1154           ATAL-1154           Fixed Bar Screens c/w gr	W - E&M Handover @ below +18.3mPD (Zone A)         W - E&M Handover @ below +6.0mPD (Zone A, Intervel)         W - E&M Handover @ below +6.0mPD (Zone A, Intervel)         W - E&M Handover @ below +6.0mPD (Zone A, Intervel)         W - E&M Handover @ below +6.0mPD (Zone A, Inflexet1)         W - E&M Handover @ below +6.0mPD (Zone A, Inflexet1)         W - E&M Handover @ below +6.0mPD (Zone A, Inflexet1Channel, Fine Screen1.4, Distribution Channel))         W - E&M Handover @ below +11.8mPD (Zone A, Inflexet1Channel, Fine Screen1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, Inflexet1Channel)         W - E&M Handover @ below +6.0mPD (Zone A, interchannel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         11.8 mPD)         Ye sets at Inlet, Coarse Screen Channels         M - Unloading of Penstock & Stoplogs x34 Nos*         M - Penstock x12 Nos*         M - Penstock x2 Nos*         M - Stoplage Test-Combining Stoplogs/Penstocks (24nos.)*         rab unit x 2 Sets	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25	23-Oct-24 A 18-Nov-24A 02-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 25-Mar-25	-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A, inted drywell, ventila ton room) ne A, wet well 1) 11 &mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pover @ below +60mPD (Zone A, coarse screen charrie) 5&MHandover @ below +60mPD (Zone A, intet charnel)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1830           ATAL-1833           ATAL-1832           ATAL-2050           ATAL-1836           ATAL-0000           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1150           ATAL-1150           ATAL-1152           ATAL-1154           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180	W - E&M Handover @ below +18.3mPD (Zone D)         W - E&M Handover @ below +6.0mPD (Zone A, infet wel )         W - E&M Handover @ below +6.0mPD (Zone A, infet wel ywell, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, infet dry well, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, infitertChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, infitertChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +11.8mPD (Zone A, infitertChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +11.8mPD (Zone A, infitertChannel)         W - E&M Handover @ below +6.0mPD (Zone A, infiterthannel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         113 mPD)         Setsta tinlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Denstock x12 Nos*         W - Leakage Test - Combining Stoplogs /Penstocks (24nos)*         rab unit x2 Sets         W - Fixed Bar Screen solvgrab unitx2 Sets *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25	23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25	-342 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A, inted drywell, ventila ton room) ne A, wet well 1) 11 &mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pover @ below +60mPD (Zone A, coarse screen charrie) 5&MHandover @ below +60mPD (Zone A, intet charnel)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster	W - E&M Handover @ below +18.3mPD (Zone D)         W - E&M Handover @ below +6.0mPD (Zone A, Intet ve1)         W - E&M Handover @ below +6.0mPD (Zone A, Intet vywell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, intet drywell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, intet drywell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +10.0mPD (Zone A, conse screen channel, Fine Screen1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, conse screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, conse screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, unite thannel)         W - E&M Handover @ below +6.0mPD (Zone A, unite thannel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         118 mPD)         Statist at inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Penstock x12 Nos*         W - Stoplogs x12 Nos*         W - Leakage Test - Combining Stoplogs /Penstocks (24nos.)*         rab unit x 2 Sets         W - Fixed Bar Screen solwgrab unitx2 Sets *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25	23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25	-342 -314 -314 -314 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A, inted drywell, ventila ton room ) he A, wet well 1) 11.8mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel)) bore @ below +6.0mPD (Zone A, coarse screen charnel) EMHandover @ below +10.8mPD (Zone D, grit taps 1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1838           ATAL-1838           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1210	W - E&M Handover @ below +18.3mPD (Zone A), ritet we1)         W - E&M Handover @ below +6.0mPD (Zone A, intet we1)         W - E&M Handover @ below +6.0mPD (Zone A, intet drywell, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, intet drywell, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +10.8mPD (Zone A, intet drywell, ventilation room)         W - E&M Handover @ below +10.8mPD (Zone A, wet well 1)         W - E&M Handover @ below +11.8mPD (Zone A, carse screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, intet channel, Fine Screen 1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         118 mPD         34 sets at inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Stoplogs x12 Nos*         W - Stoplogs x12 Nos*         W - Leakage Te st - Combining Stoplogs /Penstocks (24nos,)*         mt x 2 Sets         M - Kined Bar Screens okgrab unitx2 Sets *         m         M - Monoril LA-01-02 for Compadors x3 sets *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A	23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25 31-Dec-24	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A, inted drywell, ventila ton room ) ne A, wet well 1) 11 8mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel)) by er @ below +60mPD (Zone A, carse screen charnel) E&MHandover @ below +11.8mPD (Zone D, grit traps 1-3) ♦ IW - E&M Handover @ below +60mPD (Zone A, intet charnel) ♦ IW - E&M Handover @ below +60mPD (Zone A, wet well 2) IW - Unloading of Penstock & Stoplogs x34 Nos *
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatment Zone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1160           Coarse Screening Syster           ATAL-1190	W - E&M Handover @ below +18.3mPD (Zone A)         W - E&M Handover @ below +6.0mPD (Zone A, Irlet wel )         W - E&M Handover @ below +6.0mPD (Zone A, Irlet My well, ventila for norm)         W - E&M Handover @ below +6.0mPD (Zone A, Irlet My well, ventila for norm)         W - E&M Handover @ below +6.0mPD (Zone A, InfluentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, use well 1)         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +11.8mPD (Zone D, grittaps 1.3)         W - E&M Handover @ below +6.0mPD (Zone A, use well 2)         113 mPD)         Stests at inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Penstock x12 Nos*         W - Feed Bar Screens clogs/Penstocks (24nos.)*         reab unit x 2 Sets         W - Fixed Bar Screens clog unitx2 Sets*         W - Monoril LA-01-02 for Compadors x3 sets*         W - Coarse Screen x2 Sets *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25	23-Oct-24 A 18-Nov-24A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25 31-Dec-24 06-Feb-25	-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A, inted drywell, ventila ton room ) he A, wet well 1) 11.8mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel)) bore @ below +6.0mPD (Zone A, coarse screen charnel) EMHandover @ below +10.8mPD (Zone D, grit taps 1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1150           ATAL-1150           ATAL-1150           ATAL-1154           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1190           ATAL-1192	W - E&M Handover @ below +18.3mPD (Zone D)         W - E&M Handover @ below +6.0mPD (Zone A, Infetwel )         W - E&M Handover @ below +6.0mPD (Zone A, infetwel 1)         W - E&M Handover @ below +6.0mPD (Zone A, infetwel 1)         W - E&M Handover @ below +6.0mPD (Zone A, infetwel 1)         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +11.8mPD (Zone D, grittaps 1.3)         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         11.8 mPD)         Sets at inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Penstock x12 Nos*         W - Lakage Test - Combining Stoplogs /Penstocks (24nos)*         m         W - Kearse Screens o/wgrab unitx2 Sets*         m         W - Coarse Screen conveyors x10 Sets *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25	23-Oct-24 A 18-Nov-24A 02-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25 31-Dec-24 06-Feb-25 27-Feb-25	-342 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A, inted drywell, ventila ton room ) ne A, wet well 1) 11 8mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel)) by er @ below +60mPD (Zone A, carse screen charnel) E&MHandover @ below +11.8mPD (Zone D, grit traps 1-3) ♦ IW - E&M Handover @ below +60mPD (Zone A, intet charnel) ♦ IW - E&M Handover @ below +60mPD (Zone A, wet well 2) IW - Unloading of Penstock & Stoplogs x34 Nos *
IW E&M Works           ATAL-1780           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1832           ATAL-1838           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1150           ATAL-1150           ATAL-1154           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1190           ATAL-1191           ATAL-1194	W - E&M Handover @ below +18.3mPD (Zone D)         W - E&M Handover @ below +6.0mPD (Zone A, Intet ve1)         W - E&M Handover @ below +6.0mPD (Zone A, Intet ryvell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, intet dryvell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +6.0mPD (Zone A, carse screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, carse screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, unter screen 1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, unter screen 1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, unter screen 1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, unter screen 1-4, Distribution Channel)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         113 mPD         Y = Ponstock X Stoppidgs x34 Nos*         W - Ponstock X 12 Nos*         W - Ponstock X 12 Nos*         W - Leakage Test - Combining Stoplogs /Penstocks (24nos.)*         m       W -Nononi LA-01-02 for Compadors x3 sets*         m - Coarse Screen s dwgrab unitx2 Sets*       M - Coarse Screen s2 Sets*         m - Coarse Screen s v10 Sets*       W - Coarse Screen x10 Sets* <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25 07-Feb-25</td> <td>23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25 12-Mar-25 31-Dec-24 06-Feb-25 13-Mar-25</td> <td>-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33</td> <td></td> <td>r@below+6.0mPD (Zone A, intetwel) ♦ W - E&amp;MHandover@below+18.3mPD (Zone / ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+ ♦ W - E&amp;MHandover@below+</td> <td>A, intel drywell, ventila fon room ) he A, wet well 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) berer @ below +6.0mPD (Zone A, coarse screen charnel) EMHandover @ below +11.8mPD (Zone D, grit traps 1-3)</td>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25 07-Feb-25	23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25 12-Mar-25 31-Dec-24 06-Feb-25 13-Mar-25	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, intel drywell, ventila fon room ) he A, wet well 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) berer @ below +6.0mPD (Zone A, coarse screen charnel) EMHandover @ below +11.8mPD (Zone D, grit traps 1-3)
IW E&M Works           ATAL-1780           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1834           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1190           ATAL-1192           ATAL-1194           ATAL-11960	W - E&M Handover @ below +18.3mPD (Zone A), intervel )         W - E&M Handover @ below +6.0mPD (Zone A, intervel )         W - E&M Handover @ below +6.0mPD (Zone A, intervel )         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +6.0mPD (Zone A, intervel )         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +10.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +10.0mPD (Zone A, corae screen channel, Fine Screen 1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, corae screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, vet well 2)         118 mPD         W - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         118 mPD         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Unloading of Penstock & Stoplogs /20 (Sone X)*         W - Stoplogs x12 Nos*         W - Leakage Te st - Combining Stoplogs /Penstocks (24nos)*         m         W - Monorit LA-01-02 for Compadors x3 sets*         W - Coarse Screens x2 Sets*         W - Coarse Screens x2 Sets*         W - Coarse Screens x1 Sets*	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25	23-Oct-24 A 18-Nov-24A 02-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25 31-Dec-24 06-Feb-25 27-Feb-25	-342 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) A, inted drywell, ventila ton room ) ne A, wet well 1) 11 8mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel)) by er @ below +60mPD (Zone A, carse screen charnel) E&MHandover @ below +11.8mPD (Zone D, grit traps 1-3) ♦ IW - E&M Handover @ below +60mPD (Zone A, intet charnel) ♦ IW - E&M Handover @ below +60mPD (Zone A, wet well 2) IW - Unloading of Penstock & Stoplogs x34 Nos *
IW E&M Works           ATAL-1780           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1150           ATAL-1150           ATAL-1152           ATAL-1154           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1194           ATAL-1960           Inlet Pumping Station w	W - E&M Handover @ below +18.3mPD (Zone A)         W - E&M Handover @ below +6.0mPD (Zone A, Irlet wel )         W - E&M Handover @ below +6.0mPD (Zone A, Irlet My well, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, Irlet My well, ventilation room)         W - E&M Handover @ below +6.0mPD (Zone A, InfluentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, oracre orcharnel)         W - E&M Handover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel))         W - E&M Handover @ below +11.8mPD (Zone D, grittaps 1.3)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         113 mPD)         Stests at inlet, Coarse Screen Channels         W - Unbading of Penstock & Stoplogs x34 Nos*         W - Penstock x12 Nos*         W - Nohondi LA-01+02 for Combining Stoplogs /Penstocks (24nos.)*         reakage Test - Combining Stoplogs /Penstocks (24nos.)*         W - Monorit LA-01+02 for Compadors x3 sets*         M - Coarse Screens cloweys x10 Sets*         W - Coarse Screens x2 Sets*         W - Coarse Screens x1 Sets*         W - Coarse Screen x1 Sets*         W - Coarse Screen x1 Sets*	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25	23-Oct-24 A 18-Nov-24A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 18-Mar-25 12-Mar-25 12-Mar-25 31-Dec-24 06-Feb-25 22-Feb-25 13-Mar-25	-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) , Lirled dywell, ventla ton room) neA. wet well 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1-4, Øjistibution Channel)) pver @ below +60mPD (Zone A, coarse screen charnel) SMH-andover @ below +11.8mPD (Zone D, gittraps 1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1150           ATAL-11400           ATAL-1190           ATAL-1191           ATAL-1194           ATAL-11960           Inlet Pumping Station w           ATAL-1860	W - E&M Handover @ below +18.3mPD (Zone A)         W - E&M Handover @ below +6.0mPD (Zone A, Infet wel )         W - E&M Handover @ below +6.0mPD (Zone A, infet vel )         W - E&M Handover @ below +6.0mPD (Zone A, infet vel )         W - E&M Handover @ below +6.0mPD (Zone A, infet vel )         W - E&M Handover @ below +6.0mPD (Zone A, understain the screen 1.4, Distribution Channel))         W - E&M Handover @ below +10.8mPD (Zone A, understain the screen 1.4, Distribution Channel))         W - E&M Handover @ below +11.8mPD (Zone D, grittaps 1.3)         W - E&M Handover @ below +6.0mPD (Zone A, understain the screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, understain the screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         11.8 mPD)         Stests at Inlet, Coarse Screen Channels         M - Unloading of Penstock & Sloplogs x34 Nos*         M - Penstock x12 Nos*         M - Penstock x12 Nos*         M - Leakage Test - Combining Stoplogs/Penstocks (24nos)*         m Unit x 2 Sets         M - Konoril LA-01-02 for Compadors x3 sets*         M - Coarse Screen conveyors x10 Sets*         M - Coarse Screen conveyors x10 Sets*         M - Coarse Screen x1 Set         M - Coarse LA-01-09 at +18.3 Lev	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24	23-Oct-24 A 18-Nov-24A 02-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 13-Mar-25 12-Mar-25 12-Mar-25 31-Dec-24 06-Feb-25 27-Feb-25 13-Mar-25 22-Feb-25 13-Mar-25 08-Jan-25	-342 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, intel drywell, ventila fon room ) he A, wet well 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) berer @ below +6.0mPD (Zone A, coarse screen charnel) EMHandover @ below +11.8mPD (Zone D, grit traps 1-3)
W E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1190           ATAL-1194           ATAL-1860           Inlet Pumping Station w           ATAL-1800	W - E&M Handover @ below +18.3mPD (Zone A), ritet ve1)         W - E&M Handover @ below +6.0mPD (Zone A, intet ve1)         W - E&M Handover @ below +6.0mPD (Zone A, intet dry vell, venila ton room)         W - E&M Handover @ below +6.0mPD (Zone A, intet dry vell, venila ton room)         W - E&M Handover @ below +6.0mPD (Zone A, intet dry vell, venila ton room)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +6.0mPD (Zone A, carse screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, carse screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, unter the screen 1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, unter the screen 1-4, Distribution Channel)         W - E&M Handover @ below +6.0mPD (Zone A, unter the screen 1-4, Distribution Channel)         W - E&M Handover @ below +6.0mPD (Zone A, unter the screen 1-4, Distribution Channel)         W - E&M Handover @ below +6.0mPD (Zone A, unter the screen 1-4, Distribution Channel)         W - E&M Handover @ below +6.0mPD (Zone A, unter the screen 1-4, Distribution Channel)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         113 mPD;         Start and the screen Scree	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25	23-Oct-24 A 18-Nov-24A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 18-Mar-25 12-Mar-25 12-Mar-25 31-Dec-24 06-Feb-25 22-Feb-25 13-Mar-25	-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) , Lirled dywell, ventla ton room) neA. wet well 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1-4, Øjistibution Channel)) pver @ below +60mPD (Zone A, coarse screen charnel) SMH-andover @ below +11.8mPD (Zone D, gittraps 1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatment Zone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1190	W - E&M Handover @ below +18.3mPD (Zone A).         W - E&M Handover @ below +6.0mPD (Zone A, intetwel)         W - E&M Handover @ below +6.0mPD (Zone A, intetdrywell, ventilator room)         W - E&M Handover @ below +6.0mPD (Zone A, intetdrywell, ventilator room)         W - E&M Handover @ below +6.0mPD (Zone A, intetdrywell, ventilator room)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +10.mPD (Zone A, orace screen channel, Fine Screen1-4, Distribution Channel))         W - E&M Handover @ below +6.0mPD (Zone A, orace screen channel)         W - E&M Handover @ below +6.0mPD (Zone A, intetchannel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         118 mPD)         34 sets at inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Unloading of Penstock & Stoplogs /Penstocks (24nos)*         rab unit x2 Sets         W - Eaked Bar Screens okyrab unit x2 Sets *         m         W - Coarse Screens x2 Sets *         W - Coarse Screens x2 Sets *         W - Coarse Screens x1 Sets *         W - Coars	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24	23-Oct-24 A 18-Nov-24A 02-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 13-Mar-25 12-Mar-25 12-Mar-25 31-Dec-24 06-Feb-25 27-Feb-25 13-Mar-25 22-Feb-25 13-Mar-25 08-Jan-25	-342 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) , Lirled dywell, ventla ton room) neA. wet well 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1-4, Øjistibution Channel)) pver @ below +60mPD (Zone A, coarse screen charnel) SMH-andover @ below +11.8mPD (Zone D, gittraps 1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1832           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatment Zone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1156           Fixed Bar Screening System           ATAL-1190           ATAL-1200           Pre-treatment Zone (Above 1           Penstock & Stoplogs X 5	W-E&MHandover @ below +18.3mPD (Zone A)         W-E&MHandover @ below +6.0mPD (Zone A, intervel)         W-E&MHandover @ below +6.0mPD (Zone A, intervel)         W-E&MHandover @ below +6.0mPD (Zone A, intervel)         W-E&MHandover @ below +6.0mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel)         W-E&MHandover @ below +10.8mPD (Zone A, und well 1)         W-E&MHandover @ below +11.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel)         W-E&MHandover @ below +10.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel)         W-E&MHandover @ below +6.0mPD (Zone A, intervention = 1.3)         W-E&MHandover @ below +6.0mPD (Zone A, intervention = 1.3)         W-E&MHandover @ below +6.0mPD (Zone A, wetwell 2)         118.mPD)         34 sets at inlet, Coarse Screen Channels         W -Unloading of Penstock & Stoplogs x34 Nos*         W -Denstock x12 Nos*         W -Denstock x12 Nos*         W -Denstock x12 Nos*         W -Leakage Te 4 - Combining Stoplogs /Penstocks (24nos.)*         rab unit x 2 Sets         W         W -Leakage Te 4 - Combining Stoplogs /Penstocks (24nos.)*         rab unit x 2 Sets         W -Leakage Te 4 - Combining Stoplogs /Penstocks (24nos.)*         rab unit x 2 Sets         W -Leakage Te 4 - Combining Stoplogs /Penstocks (24nos.)*         reab unit x 2 Sets	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25	23-Oct-24 A 18-Nov-24A 02-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 17-Jan-25 18-Mar-25 25-Mar-25 12-Mar-25 31-Dec-24 06-Feb-25 27-Feb-25 13-Mar-25 22-Feb-25	-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	Minied dywell, ventils ton room)         neA, wet well 1)         11 SmPD (Zone A, Influent Channel, Fine Screen 1-4, Øjsthöution Channel))         pver @ below +6.0mPD (Zone A, coarse screen charnel)         £&MHandover @ below +6.0mPD (Zone A, intet charnel)         • IW - E&M Handover @ below +6.0mPD (Zone A, intet charnel)         • IW - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         • IW - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         • IW - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         • IW - Unloading of Penstock & Stoplogs x34 Nos*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Coarse Screems x2 Sets*         W - Coarse Screems x2 Sets*
IW E&M Works           ATAL-1780           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1150           ATAL-1154           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1190	W - E&M Handover @ below +18.3mPD (Zone A).         W - E&M Handover @ below +6.0mPD (Zone A, Intetwel)         W - E&M Handover @ below +6.0mPD (Zone A, Intetdrywell, ventils ton room)         W - E&M Handover @ below +6.0mPD (Zone A, intetdrywell, ventils ton room)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +10.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +10.0mPD (Zone A, carse screen charnel)         W - E&M Handover @ below +6.0mPD (Zone A, carse screen charnel)         W - E&M Handover @ below +6.0mPD (Zone A, united tharnel)         W - E&M Handover @ below +6.0mPD (Zone A, united tharnel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         118 mPD)         24 sets at inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Leakage Test - Combining Stoplogs /Penstocks (24nos)*         reab unit x 2 Sets         W - Fibed Bar Screens clwgrab unitx2 Sets *         M - Monorit LA-01-02 for Compadors x3 sets *         W - Coarse Screens x1 Set         W - Coarse Screens x1 Set *         W - Coarse Screens x1 Set *         W - Coarse Screen x A set	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25	23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 12-Mar-25 12-Mar-25 25-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 22-Mar-25 09-Jan-25	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	) , Lirled dywell, ventla ton room) neA. wet well 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1-4, Øjistibution Channel)) pver @ below +60mPD (Zone A, coarse screen charnel) SMH-andover @ below +11.8mPD (Zone D, gittraps 1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1838           ATAL-1838           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1150           ATAL-11190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1100           Penstock & Stoplogs X f           ATAL-1160           ATAL-1162	W - E&M Handover @ below +18.3mPD (Zone A), ritet ve1)         W - E&M Handover @ below +6.0mPD (Zone A, intet ve1)         W - E&M Handover @ below +6.0mPD (Zone A, intet dry vell, venila ton room)         W - E&M Handover @ below +6.0mPD (Zone A, intet dry vell, venila ton room)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W - E&M Handover @ below +10.mPD (Zone A, coarse screen channe)         W - E&M Handover @ below +6.0mPD (Zone A, coarse screen channe)         W - E&M Handover @ below +6.0mPD (Zone A, intet channel)         W - E&M Handover @ below +6.0mPD (Zone A, untet vell 2)         11.8 mPD)         Sets at inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Unloading of Penstock & Stoplogs /Penstocks (24nos.)*         rab unit x 2 Sets         W - Nepsipolage x12 Nos*         W - Nebiplogs x12 Nos*         W - Nebiplogs x12 Nos*         W - Nonoril L A-01-02 for Compadors x3 sets*         W - Coarse Screens x2 Sets*         M - Coarse Screens x1 Sets*         W - Coarse Screens x1 Sets*	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25 03-Feb-25	23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25 12-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 22-Mar-25 08-Jan-25 22-Mar-25 08-Jan-25 08-Jan-25 08-Jan-25 08-Jan-25	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	Minied dywell, ventils ton room)         neA, wet well 1)         11 SmPD (Zone A, Influent Channel, Fine Screen 1-4, Øjsthöution Channel))         pver @ below +6.0mPD (Zone A, coarse screen charnel)         £&MHandover @ below +6.0mPD (Zone A, intet charnel)         • IW - E&M Handover @ below +6.0mPD (Zone A, intet charnel)         • IW - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         • IW - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         • IW - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         • IW - Unloading of Penstock & Stoplogs x34 Nos*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Coarse Screems x2 Sets*         W - Coarse Screems x2 Sets*
W E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatment Zone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1190           ATAL-1160           ATAL-1160           ATAL-1162	W - E&M Handover @ below +18.3mPD (Zone A).         W - E&M Handover @ below +6.0mPD (Zone A, Intetwel)         W - E&M Handover @ below +6.0mPD (Zone A, Intetdrywell, ventils ton room)         W - E&M Handover @ below +6.0mPD (Zone A, intetdrywell, ventils ton room)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +10.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +10.0mPD (Zone A, carse screen charnel)         W - E&M Handover @ below +6.0mPD (Zone A, carse screen charnel)         W - E&M Handover @ below +6.0mPD (Zone A, united tharnel)         W - E&M Handover @ below +6.0mPD (Zone A, united tharnel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         118 mPD)         24 sets at inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Leakage Test - Combining Stoplogs /Penstocks (24nos)*         reab unit x 2 Sets         W - Fibed Bar Screens clwgrab unitx2 Sets *         M - Monorit LA-01-02 for Compadors x3 sets *         W - Coarse Screens x1 Set         W - Coarse Screens x1 Set *         W - Coarse Screens x1 Set *         W - Coarse Screen x A set	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25	23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 12-Mar-25 12-Mar-25 25-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 22-Mar-25 09-Jan-25 22-Mar-25	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	Minied dywell, ventils ton room)         neA, wet well 1)         11 SmPD (Zone A, Influent Channel, Fine Screen 1-4, Øjsthöution Channel))         pver @ below +6.0mPD (Zone A, coarse screen charnel)         £&MHandover @ below +6.0mPD (Zone A, intet charnel)         • IW - E&M Handover @ below +6.0mPD (Zone A, intet charnel)         • IW - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         • IW - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         • IW - E&M Handover @ below +6.0mPD (Zone A, wet well 2)         • IW - Unloading of Penstock & Stoplogs x34 Nos*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Coarse Screems x2 Sets*         W - Coarse Screems x2 Sets*
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1838           ATAL-1838           ATAL-2050           ATAL-1832           ATAL-1838           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1150           ATAL-1150           ATAL-1150           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1160           ATAL-1160           ATAL-1162           ATAL-1164           Fine Screening System	W-E&MHandover @ below +18.3mPD (Zone A)         W-E&MHandover @ below +6.0mPD (Zone A, intervel)         W-E&MHandover @ below +6.0mPD (Zone A, intervel)         W-E&MHandover @ below +6.0mPD (Zone A, intervel)         W-E&MHandover @ below +6.0mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel)         W-E&MHandover @ below +10.8mPD (Zone A, underwell)         W-E&MHandover @ below +11.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel)         W-E&MHandover @ below +6.0mPD (Zone A, intervence channel)         W-E&MHandover @ below +6.0mPD (Zone A, intervence channel)         W-E&MHandover @ below +6.0mPD (Zone A, wetwell 2)         118.mPD)         34 sets at inlet, Coarse Screen Channels         W -Unloading of Penstock & Stoplogs x34 Nos*         W -Venstock x12 Nos*         W -Venskage Te 4- Combining Stoplogs /Penstocks (24nos.)*         reb unit x 2 Sets         W         W -Neordi LA-01-02 for Compactors x3 sets*         W -Coarse Screens conveyors x10 Sets*         W -Coarse Screens x2 Sets*         W -Coarse Screen Conveyors x10 Sets*         W -Coarse Screens x1 Set         th Pipes, Valves and Fittings         W -Eord crane LA-01-09 at +18.3 Level for hiet Pumping System *         W -Eord crane LA-01-09 at +18.3 Level for hiet Pumping System *         W -Unloading of Penstock & Stoplogs x56 Nos* </td <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25</td> <td>23-Oct-24 A 18-Nov-24A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 12-Mar-25 25-Mar-25 31-Dec-24 06-Feb-25 22-Feb-25 13-Mar-25 22-Mar-25 08-Jan-25 08-Jan-25 01-Feb-25 08-Mar-25 13-Mar-25</td> <td>-342 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33</td> <td></td> <td>r@below+6.0mPD (Zone A, intetwel) ♦ W - E&amp;MHandover@below+18.3mPD (Zone / ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+ ♦ W - E&amp;MHandover@below+</td> <td>Minied dywell, ventils ton room)         neA, wet well 1)         11 SmPD (Zone A, Influent Channel, Fine Screen 1-4, Øjsthbution Channel))         pver @ below +60mPD (Zone A, carse screen charnel)         £MHandover @ below +11 SmPD (Zone D, grit traps 1-3)         • IW - E&amp;M Handover @ below +60mPD (Zone A, intet charnel)         • IW - E&amp;M Handover @ below +60mPD (Zone A, intet charnel)         • IW - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)         • IW - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)         • IW - Unloading of Penstock &amp; Stoplogs x34 Nos*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Crompactors x3 sets*         W - Unloading of Penstock &amp; Stoplogs x56 N</td>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25	23-Oct-24 A 18-Nov-24A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 12-Mar-25 25-Mar-25 31-Dec-24 06-Feb-25 22-Feb-25 13-Mar-25 22-Mar-25 08-Jan-25 08-Jan-25 01-Feb-25 08-Mar-25 13-Mar-25	-342 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	Minied dywell, ventils ton room)         neA, wet well 1)         11 SmPD (Zone A, Influent Channel, Fine Screen 1-4, Øjsthbution Channel))         pver @ below +60mPD (Zone A, carse screen charnel)         £MHandover @ below +11 SmPD (Zone D, grit traps 1-3)         • IW - E&M Handover @ below +60mPD (Zone A, intet charnel)         • IW - E&M Handover @ below +60mPD (Zone A, intet charnel)         • IW - E&M Handover @ below +60mPD (Zone A, wetwell 2)         • IW - E&M Handover @ below +60mPD (Zone A, wetwell 2)         • IW - Unloading of Penstock & Stoplogs x34 Nos*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Crompactors x3 sets*         W - Unloading of Penstock & Stoplogs x56 N
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1190           ATAL-1160           ATAL-1160           ATAL-1162	W - E&M Handover @ below +18.3mPD (Zone A).         W - E&M Handover @ below +6.0mPD (Zone A, Intet/vel)         W - E&M Handover @ below +6.0mPD (Zone A, Intet/rywell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, intet/rywell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +10.0mPD (Zone A, carse screen charnel)         W - E&M Handover @ below +6.0mPD (Zone A, carse screen charnel)         W - E&M Handover @ below +6.0mPD (Zone A, intet/charnel)         W - E&M Handover @ below +6.0mPD (Zone A, intet/charnel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         118 mPD)         Statistication of Penstock & Stoplogs x34 Nos*         W - Unloading of Penstock & Stoplogs /Penstocks (24nos.)*         rebuilt x 2 Sets         W - Feixel Bar Screens c/wgrab unitx2 Sets *         M - Monoil LA-01-02 for Compadors x3 sets *         W - Coarse Screen x1 Sets         W - Coarse Screen x1 Sets *         W - Coarse Screen x1 Set         W - Disa in alf Vittings         W - Extrems x2 Sets N = Conneing Staplogs x56 Nos * <t< td=""><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25 03-Feb-25</td><td>23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25 12-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 22-Mar-25 08-Jan-25 22-Mar-25 08-Jan-25 08-Jan-25 08-Jan-25 08-Jan-25</td><td>-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33</td><td></td><td>r@below+6.0mPD (Zone A, intetwel) ♦ W - E&amp;MHandover@below+18.3mPD (Zone / ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+ ♦ W - E&amp;MHandover@below+</td><td>A, intel drywell, ventila ton room ) he A, wet well 1) 11.8mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel)) bere @ below +60mPD (Zone A, coarse screen charnel) EMHandover @ below +11.8mPD (Zone D, grit taps 1-3) ● W - E&amp;M Handover @ below +6.0mPD (Zone A, intel charnel) ● W - E&amp;M Handover @ below +6.0mPD (Zone A, wet well 2) W - Unloading of Pensbock &amp; Stoplogs x34 Nos* W - Unloading of Pensbock &amp; Stoplogs x34 Nos* W - Monorit LA-01-02 for Compactors x3 sets* W - Coarse Screens x2 Sets* W - Coarse Screens x2 Sets* W - EOT Crane LA-01-09 at +18.3 Level for Inlet Pumping System * W - Unloading of Pensbock &amp; Stoplogs x56 N W - Unloading of Pensbock &amp; Stoplogs x56 N</td></t<>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25 03-Feb-25	23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25 12-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 22-Mar-25 08-Jan-25 22-Mar-25 08-Jan-25 08-Jan-25 08-Jan-25 08-Jan-25	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, intel drywell, ventila ton room ) he A, wet well 1) 11.8mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel)) bere @ below +60mPD (Zone A, coarse screen charnel) EMHandover @ below +11.8mPD (Zone D, grit taps 1-3) ● W - E&M Handover @ below +6.0mPD (Zone A, intel charnel) ● W - E&M Handover @ below +6.0mPD (Zone A, wet well 2) W - Unloading of Pensbock & Stoplogs x34 Nos* W - Unloading of Pensbock & Stoplogs x34 Nos* W - Monorit LA-01-02 for Compactors x3 sets* W - Coarse Screens x2 Sets* W - Coarse Screens x2 Sets* W - EOT Crane LA-01-09 at +18.3 Level for Inlet Pumping System * W - Unloading of Pensbock & Stoplogs x56 N W - Unloading of Pensbock & Stoplogs x56 N
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1838           ATAL-1838           ATAL-2050           ATAL-1832           ATAL-1838           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1150           ATAL-1150           ATAL-1150           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1160           ATAL-1160           ATAL-1162           ATAL-1164           Fine Screening System	W-E&MHandover @ below +18.3mPD (Zone A)         W-E&MHandover @ below +6.0mPD (Zone A, intervel)         W-E&MHandover @ below +6.0mPD (Zone A, intervel)         W-E&MHandover @ below +6.0mPD (Zone A, intervel)         W-E&MHandover @ below +6.0mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel)         W-E&MHandover @ below +10.8mPD (Zone A, underwell)         W-E&MHandover @ below +11.8mPD (Zone A, influentChannel, Fine Screen 1.4, Distribution Channel)         W-E&MHandover @ below +6.0mPD (Zone A, intervence channel)         W-E&MHandover @ below +6.0mPD (Zone A, intervence channel)         W-E&MHandover @ below +6.0mPD (Zone A, wetwell 2)         118.mPD)         34 sets at inlet, Coarse Screen Channels         W -Unloading of Penstock & Stoplogs x34 Nos*         W -Venstock x12 Nos*         W -Venskage Te 4- Combining Stoplogs /Penstocks (24nos.)*         reb unit x 2 Sets         W         W -Neordi LA-01-02 for Compactors x3 sets*         W -Coarse Screens conveyors x10 Sets*         W -Coarse Screens x2 Sets*         W -Coarse Screen Conveyors x10 Sets*         W -Coarse Screens x1 Set         th Pipes, Valves and Fittings         W -Eord crane LA-01-09 at +18.3 Level for hiet Pumping System *         W -Eord crane LA-01-09 at +18.3 Level for hiet Pumping System *         W -Unloading of Penstock & Stoplogs x56 Nos* </td <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25</td> <td>23-Oct-24 A 18-Nov-24A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 12-Mar-25 25-Mar-25 31-Dec-24 06-Feb-25 22-Feb-25 13-Mar-25 22-Mar-25 08-Jan-25 08-Jan-25 01-Feb-25 08-Mar-25 13-Mar-25</td> <td>-342 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33</td> <td></td> <td>r@below+6.0mPD (Zone A, intetwel) ♦ W - E&amp;MHandover@below+18.3mPD (Zone / ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+ ♦ W - E&amp;MHandover@below+</td> <td>Minied dywell, ventils ton room)         neA, wet well 1)         11 SmPD (Zone A, Influent Channel, Fine Screen 1-4, Øjsthbution Channel))         pver @ below +60mPD (Zone A, carse screen charnel)         £MHandover @ below +11 SmPD (Zone D, grit traps 1-3)         • IW - E&amp;M Handover @ below +60mPD (Zone A, intet charnel)         • IW - E&amp;M Handover @ below +60mPD (Zone A, intet charnel)         • IW - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)         • IW - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)         • IW - Unloading of Penstock &amp; Stoplogs x34 Nos*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Crompactors x3 sets*         W - Unloading of Penstock &amp; Stoplogs x56 N</td>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25	23-Oct-24 A 18-Nov-24A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 12-Mar-25 25-Mar-25 31-Dec-24 06-Feb-25 22-Feb-25 13-Mar-25 22-Mar-25 08-Jan-25 08-Jan-25 01-Feb-25 08-Mar-25 13-Mar-25	-342 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	Minied dywell, ventils ton room)         neA, wet well 1)         11 SmPD (Zone A, Influent Channel, Fine Screen 1-4, Øjsthbution Channel))         pver @ below +60mPD (Zone A, carse screen charnel)         £MHandover @ below +11 SmPD (Zone D, grit traps 1-3)         • IW - E&M Handover @ below +60mPD (Zone A, intet charnel)         • IW - E&M Handover @ below +60mPD (Zone A, intet charnel)         • IW - E&M Handover @ below +60mPD (Zone A, wetwell 2)         • IW - E&M Handover @ below +60mPD (Zone A, wetwell 2)         • IW - Unloading of Penstock & Stoplogs x34 Nos*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Crompactors x3 sets*         W - Unloading of Penstock & Stoplogs x56 N
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1838           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1154           ATAL-1155           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening System           ATAL-1190           ATAL-1194           ATAL-1190           ATAL-1194           ATAL-1196           ATAL-1160           ATAL-1162           ATAL-1164           Fine Screening System           ATAL-1840	W - E&M Handover @ below +18.3mPD (Zone A).         W - E&M Handover @ below +6.0mPD (Zone A, Intet/vel)         W - E&M Handover @ below +6.0mPD (Zone A, Intet/rywell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, intet/rywell, venilation room)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +10.0mPD (Zone A, carse screen charnel)         W - E&M Handover @ below +6.0mPD (Zone A, carse screen charnel)         W - E&M Handover @ below +6.0mPD (Zone A, intet/charnel)         W - E&M Handover @ below +6.0mPD (Zone A, intet/charnel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         118 mPD)         Statistication of Penstock & Stoplogs x34 Nos*         W - Unloading of Penstock & Stoplogs /Penstocks (24nos.)*         rebuilt x 2 Sets         W - Feixel Bar Screens c/wgrab unitx2 Sets *         M - Monoil LA-01-02 for Compadors x3 sets *         W - Coarse Screen x1 Sets         W - Coarse Screen x1 Sets *         W - Coarse Screen x1 Set         W - Disa in alf Vittings         W - Extrems x2 Sets N = Conneing Staplogs x56 Nos * <t< td=""><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 19-Nov-24 A</td><td>23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 12-Mar-25 12-Mar-25 25-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 08-Jan-25 13-Mar-25 13-Mar-25</td><td>-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33</td><td></td><td>r@below+6.0mPD (Zone A, intetwel) ♦ W - E&amp;MHandover@below+18.3mPD (Zone / ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+ ♦ W - E&amp;MHandover@below+</td><td>A, intel drywell, ventila ton room ) he A, wet well 1) 11.8mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel)) bere @ below +60mPD (Zone A, coarse screen charnel) EMHandover @ below +11.8mPD (Zone D, grit taps 1-3) ● W - E&amp;M Handover @ below +6.0mPD (Zone A, intel charnel) ● W - E&amp;M Handover @ below +6.0mPD (Zone A, wet well 2) W - Unloading of Pensbock &amp; Stoplogs x34 Nos* W - Unloading of Pensbock &amp; Stoplogs x34 Nos* W - Monorit LA-01-02 for Compactors x3 sets* W - Coarse Screens x2 Sets* W - Coarse Screens x2 Sets* W - EOT Crane LA-01-09 at +18.3 Level for Inlet Pumping System * W - Unloading of Pensbock &amp; Stoplogs x56 N W - Unloading of Pensbock &amp; Stoplogs x56 N</td></t<>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 19-Nov-24 A	23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 27-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 12-Mar-25 12-Mar-25 25-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 08-Jan-25 13-Mar-25 13-Mar-25	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, intel drywell, ventila ton room ) he A, wet well 1) 11.8mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel)) bere @ below +60mPD (Zone A, coarse screen charnel) EMHandover @ below +11.8mPD (Zone D, grit taps 1-3) ● W - E&M Handover @ below +6.0mPD (Zone A, intel charnel) ● W - E&M Handover @ below +6.0mPD (Zone A, wet well 2) W - Unloading of Pensbock & Stoplogs x34 Nos* W - Unloading of Pensbock & Stoplogs x34 Nos* W - Monorit LA-01-02 for Compactors x3 sets* W - Coarse Screens x2 Sets* W - Coarse Screens x2 Sets* W - EOT Crane LA-01-09 at +18.3 Level for Inlet Pumping System * W - Unloading of Pensbock & Stoplogs x56 N W - Unloading of Pensbock & Stoplogs x56 N
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1838           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1838           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1150           ATAL-1150           ATAL-1154           ATAL-1150           ATAL-1150           ATAL-1151           ATAL-1152           ATAL-1150           ATAL-1150           ATAL-1180           Coarse Screening System           ATAL-1190           ATAL-1160 <td>W-E&amp;M Handover @ below +18.3mPD (Zone A).         W-E&amp;M Handover @ below +6.0mPD (Zone A, Intet vel)         W-E&amp;M Handover @ below +6.0mPD (Zone A, Intet frywell, venils ton room)         W-E&amp;M Handover @ below +6.0mPD (Zone A, intet frywell, venils ton room)         W-E&amp;M Handover @ below +6.0mPD (Zone A, wet well 1)         W-E&amp;M Handover @ below +10.8mPD (Zone A, wet well 1)         W-E&amp;M Handover @ below +11.8mPD (Zone A, coarse screen channel)         W-E&amp;M Handover @ below +6.0mPD (Zone A, coarse screen channel)         W-E&amp;M Handover @ below +6.0mPD (Zone A, intet channel)         W-E&amp;M Handover @ below +6.0mPD (Zone A, wet well 2)         118 mPD)         Sets at inlet, Coarse Screen Channels         W - Unloading of Penstock &amp; Stoplogs x34 Nos*         W - Unloading of Penstock &amp; Stoplogs /Penstocks (24nos)*         m       W-Eeka Bar Screens of wgrab unitx2 Sets*         m       W-Coarse Screens x2 Sets*         M - Coarse Screens x2 Sets*         M - Coarse Screens x1 Sets*         M - Coarse Screens x1 Sets*         M - Coarse Screens x1 Sets*         M - Doore Screens x1 Sets*         M - Doarse Screens x1 Sets*         M - Coarse Screens x1 Sets*         M - Coarse Screens x1 Set         Stoplogs x20 Nos (5d/no.dgang.2gang)*         M - Inbedrumping Station with Pipes, Valves and Fittings (0.75set)*     <!--</td--><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25 03-Feb-25 03-Feb-25 19-Nov-24 A 31-Dec-24</td><td>23-Oct-24 A 18-Nov-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 13-Mar-25 12-Mar-25 12-Mar-25 12-Mar-25 12-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 08-Ja</td><td>-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33</td><td></td><td>r@below+6.0mPD (Zone A, intetwel) ♦ W - E&amp;MHandover@below+18.3mPD (Zone / ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+ ♦ W - E&amp;MHandover@below+</td><td>A, intel drywell, ventila ton room) ne A, wetwell 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pover @ below +60mPD (Zone A, coarse screen charnel) EMHandover @ below +11.8mPD (Zone D, grit tags 1-3)</td></td>	W-E&M Handover @ below +18.3mPD (Zone A).         W-E&M Handover @ below +6.0mPD (Zone A, Intet vel)         W-E&M Handover @ below +6.0mPD (Zone A, Intet frywell, venils ton room)         W-E&M Handover @ below +6.0mPD (Zone A, intet frywell, venils ton room)         W-E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W-E&M Handover @ below +10.8mPD (Zone A, wet well 1)         W-E&M Handover @ below +11.8mPD (Zone A, coarse screen channel)         W-E&M Handover @ below +6.0mPD (Zone A, coarse screen channel)         W-E&M Handover @ below +6.0mPD (Zone A, intet channel)         W-E&M Handover @ below +6.0mPD (Zone A, wet well 2)         118 mPD)         Sets at inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Unloading of Penstock & Stoplogs /Penstocks (24nos)*         m       W-Eeka Bar Screens of wgrab unitx2 Sets*         m       W-Coarse Screens x2 Sets*         M - Coarse Screens x2 Sets*         M - Coarse Screens x1 Sets*         M - Coarse Screens x1 Sets*         M - Coarse Screens x1 Sets*         M - Doore Screens x1 Sets*         M - Doarse Screens x1 Sets*         M - Coarse Screens x1 Sets*         M - Coarse Screens x1 Set         Stoplogs x20 Nos (5d/no.dgang.2gang)*         M - Inbedrumping Station with Pipes, Valves and Fittings (0.75set)* </td <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25 03-Feb-25 03-Feb-25 19-Nov-24 A 31-Dec-24</td> <td>23-Oct-24 A 18-Nov-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 13-Mar-25 12-Mar-25 12-Mar-25 12-Mar-25 12-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 08-Ja</td> <td>-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33</td> <td></td> <td>r@below+6.0mPD (Zone A, intetwel) ♦ W - E&amp;MHandover@below+18.3mPD (Zone / ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+ ♦ W - E&amp;MHandover@below+</td> <td>A, intel drywell, ventila ton room) ne A, wetwell 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pover @ below +60mPD (Zone A, coarse screen charnel) EMHandover @ below +11.8mPD (Zone D, grit tags 1-3)</td>	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25 03-Feb-25 03-Feb-25 19-Nov-24 A 31-Dec-24	23-Oct-24 A 18-Nov-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 13-Mar-25 12-Mar-25 12-Mar-25 12-Mar-25 12-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 08-Ja	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, intel drywell, ventila ton room) ne A, wetwell 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pover @ below +60mPD (Zone A, coarse screen charnel) EMHandover @ below +11.8mPD (Zone D, grit tags 1-3)
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1190           ATAL-1160           ATAL-1200           Pre-treatmentZone (Above 1           Penstock & Stoplogs X 5           ATAL-1164           Fine Screening System <t< td=""><td>W-E&amp;M Handover @ below +18.3mPD (Zone A), ritet we1)         W-E&amp;M Handover @ below +6.0mPD (Zone A, intet My)         W-E&amp;M Handover @ below +6.0mPD (Zone A, intet My well, ventils ton room)         W-E&amp;M Handover @ below +6.0mPD (Zone A, intet My well, ventils ton room)         W-E&amp;M Handover @ below +6.0mPD (Zone A, wet well 1)         W-E&amp;M Handover @ below +11.8mPD (Zone A, nifteet Channel, Fine Screen 1-4, Distribution Channel))         W-E&amp;M Handover @ below +6.0mPD (Zone A, carse screen channel)         W-E&amp;M Handover @ below +6.0mPD (Zone A, vet well 2)         113 mPD)         34 sets at inlet, Coarse Screen Channels         W -Unloading of Penstock &amp; Stoplogs x34 Nos*         W -Unloading of Penstock &amp; Stoplogs /Penstocks (24nos.)*         W - Stoplogs x12 Nos*         W -Leakage Te st - Combining Stoplogs /Penstocks (24nos.)*         m       W-Oorreit Screens c/grab unit x2 Sets*         m       W -Coarse Screens x2 Sets*         m       Coarse Screens x2 Sets*         W - Coarse Screens x1 Set         W - Coarse Screens x2 Sets*         W - Coarse Screens x1 Set         W - Dired LAO-1.09 at +18.3 Level for hiet Pumping System *</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 21-Nov-24 A 02-Jan-25 23-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25</td><td>23-Oct-24 A 18-Nov-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 13-Jan-25 13-Jan-25 17-Jan-25 18-Mar-25 12-Mar-25 25-Mar-25 22-Feb-25 08-Jan-25 22-Feb-25 08-Jan-25 07-Feb-25 07-Fe</td><td>-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33</td><td></td><td>r@below+6.0mPD (Zone A, intetwel) ♦ W - E&amp;MHandover@below+18.3mPD (Zone / ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+ ♦ W - E&amp;MHandover@below+</td><td>A, inted drywell, ventila ton room)         neA, wetwell 1)         11 BmPD (Zone A, influent Channel, Fine Screen 1-4, Øistibution Channel))         pver @ below +60mPD (Zone A, carse streen charrie)         E&amp;MHandover @ below +11.8mPD (Zone D, gittraps 1-3)            <ul> <li>W - E&amp;M Handover @ below +60mPD (Zone A, intet charnel)</li> <li>W - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)</li> <li>W - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)</li> <li>W - Unloading of Penstock &amp; Stoplogs x34 Nos *</li> <li>W - Unloading of Penstock &amp; Stoplogs x34 Nos *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - EOT Crane LA-01-09 at +18.3 Level for inletPumping System *</li> <li>W - EOT Crane LA-01-07 for Fine Screen *</li> <li>W - Fine Screens x3 Sets *</li> <li>W - Fine Screens x3 Sets *</li> <li>W - Fine Screen Conveyors x6 Set</li> </ul> </td></t<>	W-E&M Handover @ below +18.3mPD (Zone A), ritet we1)         W-E&M Handover @ below +6.0mPD (Zone A, intet My)         W-E&M Handover @ below +6.0mPD (Zone A, intet My well, ventils ton room)         W-E&M Handover @ below +6.0mPD (Zone A, intet My well, ventils ton room)         W-E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W-E&M Handover @ below +11.8mPD (Zone A, nifteet Channel, Fine Screen 1-4, Distribution Channel))         W-E&M Handover @ below +6.0mPD (Zone A, carse screen channel)         W-E&M Handover @ below +6.0mPD (Zone A, vet well 2)         113 mPD)         34 sets at inlet, Coarse Screen Channels         W -Unloading of Penstock & Stoplogs x34 Nos*         W -Unloading of Penstock & Stoplogs /Penstocks (24nos.)*         W - Stoplogs x12 Nos*         W -Leakage Te st - Combining Stoplogs /Penstocks (24nos.)*         m       W-Oorreit Screens c/grab unit x2 Sets*         m       W -Coarse Screens x2 Sets*         m       Coarse Screens x2 Sets*         W - Coarse Screens x1 Set         W - Coarse Screens x2 Sets*         W - Coarse Screens x1 Set         W - Dired LAO-1.09 at +18.3 Level for hiet Pumping System *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 21-Nov-24 A 02-Jan-25 23-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25	23-Oct-24 A 18-Nov-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 13-Jan-25 13-Jan-25 17-Jan-25 18-Mar-25 12-Mar-25 25-Mar-25 22-Feb-25 08-Jan-25 22-Feb-25 08-Jan-25 07-Feb-25 07-Fe	-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, inted drywell, ventila ton room)         neA, wetwell 1)         11 BmPD (Zone A, influent Channel, Fine Screen 1-4, Øistibution Channel))         pver @ below +60mPD (Zone A, carse streen charrie)         E&MHandover @ below +11.8mPD (Zone D, gittraps 1-3) <ul> <li>W - E&amp;M Handover @ below +60mPD (Zone A, intet charnel)</li> <li>W - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)</li> <li>W - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)</li> <li>W - Unloading of Penstock &amp; Stoplogs x34 Nos *</li> <li>W - Unloading of Penstock &amp; Stoplogs x34 Nos *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - EOT Crane LA-01-09 at +18.3 Level for inletPumping System *</li> <li>W - EOT Crane LA-01-07 for Fine Screen *</li> <li>W - Fine Screens x3 Sets *</li> <li>W - Fine Screens x3 Sets *</li> <li>W - Fine Screen Conveyors x6 Set</li> </ul>
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1838           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatment Zone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1156           Fixed Bar Screening System           ATAL-1190           ATAL-1160           ATAL-1200           Pre-treatment Zone (Above 1           Penstock & Stoplogs X 1           ATAL-1162           ATAL-1164           Fine Screening System           ATAL-1220	W-E&M Handover @ below +18.3mPD (Zone A), ritet we1)         W-E&M Handover @ below +6.0mPD (Zone A, intet My)         W-E&M Handover @ below +6.0mPD (Zone A, intet My well, ventils ton room)         W-E&M Handover @ below +6.0mPD (Zone A, intet My well, ventils ton room)         W-E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W-E&M Handover @ below +11.8mPD (Zone A, nifteet Channel, Fine Screen 1-4, Distribution Channel))         W-E&M Handover @ below +6.0mPD (Zone A, carse screen channel)         W-E&M Handover @ below +6.0mPD (Zone A, vet well 2)         113 mPD)         34 sets at inlet, Coarse Screen Channels         W -Unloading of Penstock & Stoplogs x34 Nos*         W -Unloading of Penstock & Stoplogs /Penstocks (24nos.)*         W - Stoplogs x12 Nos*         W -Leakage Te st - Combining Stoplogs /Penstocks (24nos.)*         m       W-Oorreit Screens c/grab unit x2 Sets*         m       W -Coarse Screens x2 Sets*         m       Coarse Screens x2 Sets*         W - Coarse Screens x1 Set         W - Coarse Screens x2 Sets*         W - Coarse Screens x1 Set         W - Dired LAO-1.09 at +18.3 Level for hiet Pumping System *	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 21-Nov-24 A 02-Jan-25 23-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25	23-Oct-24 A 18-Nov-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 13-Jan-25 13-Jan-25 17-Jan-25 18-Mar-25 12-Mar-25 25-Mar-25 22-Feb-25 08-Jan-25 22-Feb-25 08-Jan-25 07-Feb-25 07-Fe	-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, inted drywell, ventila ton room)         neA, wetwell 1)         11 BmPD (Zone A, influent Channel, Fine Screen 1-4, Øistibution Channel))         pver @ below +60mPD (Zone A, carse streen charrie)         E&MHandover @ below +11.8mPD (Zone D, gittraps 1-3) <ul> <li>W - E&amp;M Handover @ below +60mPD (Zone A, intet charnel)</li> <li>W - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)</li> <li>W - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)</li> <li>W - Unloading of Penstock &amp; Stoplogs x34 Nos *</li> <li>W - Unloading of Penstock &amp; Stoplogs x34 Nos *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - EOT Crane LA-01-09 at +18.3 Level for inletPumping System *</li> <li>W - EOT Crane LA-01-07 for Fine Screen *</li> <li>W - Fine Screens x3 Sets *</li> <li>W - Fine Screens x3 Sets *</li> <li>W - Fine Screen Conveyors x6 Set</li> </ul>
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-1832           ATAL-2050           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1155           Fixed Bar Screens c/w gr           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1190           ATAL-1194           ATAL-11960           Inlet Pumping Station w           ATAL-1160           ATAL-1161           ATAL-1162           ATAL-1164           Fine Screening System           ATAL-1222           ATAL-1224           Grit Removal System <td>W-E&amp;M Handover @ below +18.3mPD (Zone A, Iritet ve1)         W-E&amp;M Handover @ below +6.0mPD (Zone A, Iritet ve1)         W-E&amp;M Handover @ below +6.0mPD (Zone A, Iritet drywell, venilaton room)         W-E&amp;M Handover @ below +6.0mPD (Zone A, wet well 1)         W-E&amp;M Handover @ below +10.8mPD (Zone A, wet well 1)         W-E&amp;M Handover @ below +11.8mPD (Zone A, wet well 1)         W-E&amp;M Handover @ below +10.8mPD (Zone A, coarse screen channel)         W-E&amp;M Handover @ below +6.0mPD (Zone A, coarse screen channel)         W-E&amp;M Handover @ below +6.0mPD (Zone A, unite thannel)         W-E&amp;M Handover @ below +6.0mPD (Zone A, wet well 2)         118 mPD)         Sets at Inlet, Coarse Screen Channels         W - Unloading of Penstock &amp; Stoplogs x34 Nos*         W - Unloading of Penstock &amp; Stoplogs /Penstocks (24nos)*         Tab unit x 2 Sets         W - Leakage Test - Combining Stoplogs /Penstocks (24nos)*         Tab unit x 2 Sets         W - Nonoril L-A01-02 for Compadors x3 sets*         W - Coarse Screens x2 Sets*         W - Coarse Screens x3 Sets*         W - Coarse Screens x1 Set         Ith Pipes, Valves and Fittings         W - Stoplogs x20 Nos (5d/no.4gang.2gang)*         W - Nohoading of Penstock &amp; Stoplogs x66 Nos*         W - Unloading of Penstock &amp; Stoplogs x66 Nos*         W - Dorae LA-01-03 or the Pipes, Valves and Fittings (0.75set</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25 19-Nov-24 A 31-Dec-24 31-Dec-24</td> <td>23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25 12-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 08-Jan-25 08-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25</td> <td>-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33</td> <td></td> <td>r@below+6.0mPD (Zone A, intetwel) ♦ W - E&amp;MHandover@below+18.3mPD (Zone / ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+ ♦ W - E&amp;MHandover@below+</td> <td>A, intel drywell, ventila ton room ) he A, wetwell 1) 11.8mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel)) bere @ below +10.8mPD (Zone D, grit taps 1-3) ● W - E&amp;M Handover @ below +6.0mPD (Zone A, intel channel) ● W - E&amp;M Handover @ below +6.0mPD (Zone A, wetwell 2) ● W - E&amp;M Handover @ below +6.0mPD (Zone A, wetwell 2) W - Unloading of Pensbock &amp; Stoplogs x34 Nos* W - Unloading of Pensbock &amp; Stoplogs x34 Nos* W - Monorit LA-01-02 for Compactors x3 sets* W - Coarse Screens x2 Sets* W - EOT Crane LA-01-09 at +18.3 Level for Inlet Pumping System * W - Unloading of Pensbock &amp; Stoplogs x36 N W - Unloading of Pensbock &amp; Stoplogs x36 N W - EOT Crane LA-01-09 at +18.3 Level for Inlet Pumping System * W - Unloading of Pensbock &amp; Stoplogs x56 N W - EOT Crane LA-01-07 for Fine Screen * W - Fine Screen sx3 Sets * W - Fine Screen Conveyors x6 Se W - Fine Screen Conveyors - Dive</td>	W-E&M Handover @ below +18.3mPD (Zone A, Iritet ve1)         W-E&M Handover @ below +6.0mPD (Zone A, Iritet ve1)         W-E&M Handover @ below +6.0mPD (Zone A, Iritet drywell, venilaton room)         W-E&M Handover @ below +6.0mPD (Zone A, wet well 1)         W-E&M Handover @ below +10.8mPD (Zone A, wet well 1)         W-E&M Handover @ below +11.8mPD (Zone A, wet well 1)         W-E&M Handover @ below +10.8mPD (Zone A, coarse screen channel)         W-E&M Handover @ below +6.0mPD (Zone A, coarse screen channel)         W-E&M Handover @ below +6.0mPD (Zone A, unite thannel)         W-E&M Handover @ below +6.0mPD (Zone A, wet well 2)         118 mPD)         Sets at Inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Unloading of Penstock & Stoplogs /Penstocks (24nos)*         Tab unit x 2 Sets         W - Leakage Test - Combining Stoplogs /Penstocks (24nos)*         Tab unit x 2 Sets         W - Nonoril L-A01-02 for Compadors x3 sets*         W - Coarse Screens x2 Sets*         W - Coarse Screens x3 Sets*         W - Coarse Screens x1 Set         Ith Pipes, Valves and Fittings         W - Stoplogs x20 Nos (5d/no.4gang.2gang)*         W - Nohoading of Penstock & Stoplogs x66 Nos*         W - Unloading of Penstock & Stoplogs x66 Nos*         W - Dorae LA-01-03 or the Pipes, Valves and Fittings (0.75set	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 18-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25 19-Nov-24 A 31-Dec-24 31-Dec-24	23-Oct24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 25-Mar-25 12-Mar-25 12-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 08-Jan-25 08-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, intel drywell, ventila ton room ) he A, wetwell 1) 11.8mPD (Zone A, influent Channel, Fine Screen 1-4, Distribution Channel)) bere @ below +10.8mPD (Zone D, grit taps 1-3) ● W - E&M Handover @ below +6.0mPD (Zone A, intel channel) ● W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2) ● W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2) W - Unloading of Pensbock & Stoplogs x34 Nos* W - Unloading of Pensbock & Stoplogs x34 Nos* W - Monorit LA-01-02 for Compactors x3 sets* W - Coarse Screens x2 Sets* W - EOT Crane LA-01-09 at +18.3 Level for Inlet Pumping System * W - Unloading of Pensbock & Stoplogs x36 N W - Unloading of Pensbock & Stoplogs x36 N W - EOT Crane LA-01-09 at +18.3 Level for Inlet Pumping System * W - Unloading of Pensbock & Stoplogs x56 N W - EOT Crane LA-01-07 for Fine Screen * W - Fine Screen sx3 Sets * W - Fine Screen Conveyors x6 Se W - Fine Screen Conveyors - Dive
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1832           ATAL-1838           ATAL-1838           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           PretreatmentZone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1154           ATAL-1150           ATAL-1154           ATAL-1154           ATAL-1159           ATAL-1190           ATAL-1160           ATAL-1160           ATAL-1162           ATAL-1164           Fine Screening System	W- E&M Handover @ below +18.3mPD (Zone A).         W - E&M Handover @ below +6.0mPD (Zone A, Intet vel)         W - E&M Handover @ below +6.0mPD (Zone A, Intet drywell, venils ton room)         W - E&M Handover @ below +6.0mPD (Zone A, intet drywell, venils ton room)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +6.0mPD (Zone A, carse screen charnel)         W - E&M Handover @ below +6.0mPD (Zone A, carse screen charnel)         W - E&M Handover @ below +6.0mPD (Zone A, unite tharnel)         W - E&M Handover @ below +6.0mPD (Zone A, unite tharnel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         118 mPD)         Statistication of Penstock & Stoplogs x34 Nos*         W - Unloading of Penstock & Stoplogs /Penstocks (24nos.)*         rebuilt x 2 Sets         W - Feixel Bar Screens olwgrab unitx2 Sets *         M         W - Coarse Screen sclwgrab unitx2 Sets *         M         W - Coarse Screen sclwgrab unitx2 Sets *         M         W - Coarse Screen sclwgrab unitx2 Sets *         M - Coarse Screen	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25 19-Nov-24 A 31-Dec-24 31-Dec-24 31-Dec-24	23-Oct-24 A 18-Nov-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 13-Mar-25 25-Mar-25 12-Mar-25 12-Mar-25 12-Mar-25 22-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 08-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 08-Jan-25 08-Ja	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, intel drywell, ventila ton room) ne A, wetwell 1) 11.8mPD (Zone A, Influent Channel, Fine Screen 1-4, Distribution Channel)) pover @ below +6.0mPD (Zone A, coarse screen charnel) EMHandover @ below +11.8mPD (Zone D, grit tags 1-3)
IW E&M Works           ATA1780           ATA1820           ATA1820           ATA1830           ATA1838           ATA1838           ATA1838           ATA1838           ATA1838           ATA1838           ATA1838           ATA1838           ATA1830           ATA1830           ATA1830           ATA1830           ATA1830           ATA1830           ATA1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs X 3           ATA1150           ATA1150           ATA1150           ATA1150           ATA1150           ATA1150           ATA1150           ATA1150           ATA1150           ATA1190           ATA1210           ATA1190           ATA1190           ATA1200           Pre-treatmentZone (Above 1           Penstock & Stoplogs X 1           ATA1160           ATA1162           ATA1162           ATA1164           Fine Screening System	W - E&M Handover @ below +18.3mPD (Zone A, Irlet/ve1)         W - E&M Handover @ below +6.0mPD (Zone A, Irlet/ve1)         W - E&M Handover @ below +6.0mPD (Zone A, Irlet/ryvell, ventibiton room)         W - E&M Handover @ below +6.0mPD (Zone A, Irlet/ryvell, ventibiton room)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 1)         W - E&M Handover @ below +10.8mPD (Zone A, coarse screen channel)         W - E&M Handover @ below +10.8mPD (Zone A, grittaps 1-3)         W - E&M Handover @ below +6.0mPD (Zone A, irlet/hannel)         W - E&M Handover @ below +6.0mPD (Zone A, irlet/hannel)         W - E&M Handover @ below +6.0mPD (Zone A, irlet/hannel)         W - E&M Handover @ below +6.0mPD (Zone A, wetwell 2)         113 mPD)         Stast at Inlet, Coarse Screen Channels         W - Unloading of Penstock & Stoplogs x34 Nos*         W - Benstock x12 Nos*         W - Staplogs x12 Nos*         W - Venstock x12 Nos*         W - Fixed Bar Screens clugrab unitx2 Sets*         M - Koorrie Screens x2 Sets*         W - Coarse Screens x1 Set         W - Coarse Screen Conveyors x10 Sets*         W - Coarse Screen x1 Set         (th Pipe	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 21-Nov-24 A 02-Jan-25 23-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25 19-Nov-24 A 31-Dec-24 31-Dec-24 31-Dec-24 25-Nov-24 A 28-Dec-24	23-Oct24 A 18-Nov-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 18-Mar-25 18-Mar-25 12-Mar-25 25-Mar-25 12-Mar-25 22-Feb-25 08-Jan-25 08-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 08-Jan-25 19-Feb-25 08-Jan-25 19-Feb-25 08-Jan-25 19-Feb-25 08-Jan-25 19-Feb-25 08-Jan-25 19-Feb-25 08-Jan-25 19-Feb	-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, intel drywell, ventila ton room)         neA, wetwell 1)         11 BmPD (Zone A, influent Channel, Fine Screen 1-4, Ølsthbution Channel))         by wer @ below +60mPD (Zone A, carse streen charrie)         E&MHandover @ below +11.8mPD (Zone D, grit traps 1-3) <ul> <li>W - E&amp;M Handover @ below +60mPD (Zone A, intet charmel)</li> <li>W - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)</li> <li>W - E&amp;M Handover @ below +60mPD (Zone A, wetwell 2)</li> <li>W - Unloading of Penstock &amp; Stoplogs x34 Nos *</li> <li>W - Unloading of Penstock &amp; Stoplogs x34 Nos *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - Monorit LA-01-02 for Compactors x3 sets *</li> <li>W - EOT Crane LA-01-09 at +18.3 Level for InletPumping System *</li> <li>W - EOT Crane LA-01-07 for Fine Screen *</li> <li>W - Fine Screens x3 Sets *</li> <li>W - Fine Screen Conveyors x6 Se</li> <li>W - All Cherg*</li> <li>W - Alli Cherg*</li> <li>W - All Cherg*</li> <!--</td--></ul>
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1832           ATAL-1833           ATAL-1832           ATAL-1833           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1834           Pre-treatmentZone (Below 1           Penstock & Stoplogs x 3           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening Syster           ATAL-1190           ATAL-1192           ATAL-1200           Pre-treatmentZone (Above 1           Penstock & Stoplogs X 5           ATAL-1164           Fine Screening System <t< td=""><td>W. E&amp;M.Handover @ below +18.3mPD (Zone D)         W. E&amp;M.Handover @ below +13.3mPD (Zone A, intet/vel)         W. E&amp;M.Handover @ below +13.3mPD (Zone A, intet/vel)         W. E&amp;M.Handover @ below +0.0mPD (Zone A, intet/vell, ventilation room)         W. E&amp;M.Handover @ below +0.0mPD (Zone A, intet/channel, Fine Screen 1.4, Distribution Channel))         W. E&amp;M.Handover @ below +10.3mPD (Zone A, intet/channel, Fine Screen 1.4, Distribution Channel))         W. E&amp;M.Handover @ below +0.0mPD (Zone A, intet/channel)         W. Unakage Test - Combining Stoplogs /Pensbcks (24nos)*         motist 2.2 Sets       WCoarse Screen Conveyors x10 Sets*         W. Coarse Screen Conveyors x10 Sets*</td><td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td><td>07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25 18-Jan-25 18-Jan-25 19-Nov-24 A 31-Dec-24 31-Dec-24 25-Nov-24 A</td><td>23-Oct-24 A 18-Nov-24A 18-Nov-24A 05-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 12-Mar-25 25-Mar-25 31-Dec-24 06-Feb-25 22-Feb-25 08-Jan-25 08-Jan-25 08-Jan-25 08-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 08-Jan-25 19-Feb-25 08-Jan-25 19-Feb-25 15-Feb-25 15-Feb-25</td><td>-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33</td><td></td><td>r@below+6.0mPD (Zone A, intetwel) ♦ W - E&amp;MHandover@below+18.3mPD (Zone / ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+ ♦ W - E&amp;MHandover@below+</td><td>M. infed dywell, ventils ton room)         neA, wet well 1)         11 SmPD (Zone A, Influent Channel, Fine Screen 1-4, Øjsthbution Channel))         ver @ below +10 SmPD (Zone D, gittraps 1-3)         ▲ IW - E&amp;M Handover @ below +6 DmPD (Zone A, intet charmel)         ▲ IW - E&amp;M Handover @ below +6 DmPD (Zone A, intet charmel)         ▲ IW - E&amp;M Handover @ below +6 DmPD (Zone A, wetwell 2)         ▲ IW - E&amp;M Handover @ below +6 DmPD (Zone A, wetwell 2)         ▲ IW - Unloading of Penstock &amp; Stoplogs x34 Nos*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Crane LA-01-09 at+18.3 Level for InletPumping System *         W - EOT Crane LA-01-09 at+18.3 Level for InletPumping System *         W - EOT Crane LA-01-07 for Fine Screen *         W - Fine Screen conveyors x6 Set         W - Fine Screen Conveyors x6 Set</td></t<>	W. E&M.Handover @ below +18.3mPD (Zone D)         W. E&M.Handover @ below +13.3mPD (Zone A, intet/vel)         W. E&M.Handover @ below +13.3mPD (Zone A, intet/vel)         W. E&M.Handover @ below +0.0mPD (Zone A, intet/vell, ventilation room)         W. E&M.Handover @ below +0.0mPD (Zone A, intet/channel, Fine Screen 1.4, Distribution Channel))         W. E&M.Handover @ below +10.3mPD (Zone A, intet/channel, Fine Screen 1.4, Distribution Channel))         W. E&M.Handover @ below +0.0mPD (Zone A, intet/channel)         W. Unakage Test - Combining Stoplogs /Pensbcks (24nos)*         motist 2.2 Sets       WCoarse Screen Conveyors x10 Sets*         W. Coarse Screen Conveyors x10 Sets*	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 07-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25 18-Jan-25 18-Jan-25 19-Nov-24 A 31-Dec-24 31-Dec-24 25-Nov-24 A	23-Oct-24 A 18-Nov-24A 18-Nov-24A 05-Dec-24 05-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 12-Mar-25 25-Mar-25 31-Dec-24 06-Feb-25 22-Feb-25 08-Jan-25 08-Jan-25 08-Jan-25 08-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 08-Jan-25 19-Feb-25 08-Jan-25 19-Feb-25 15-Feb-25 15-Feb-25	-342 -314 -314 -314 -285 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	M. infed dywell, ventils ton room)         neA, wet well 1)         11 SmPD (Zone A, Influent Channel, Fine Screen 1-4, Øjsthbution Channel))         ver @ below +10 SmPD (Zone D, gittraps 1-3)         ▲ IW - E&M Handover @ below +6 DmPD (Zone A, intet charmel)         ▲ IW - E&M Handover @ below +6 DmPD (Zone A, intet charmel)         ▲ IW - E&M Handover @ below +6 DmPD (Zone A, wetwell 2)         ▲ IW - E&M Handover @ below +6 DmPD (Zone A, wetwell 2)         ▲ IW - Unloading of Penstock & Stoplogs x34 Nos*         W - Monorit LA-01-02 for Compactors x3 sets*         W - Monorit LA-01-02 for Crane LA-01-09 at+18.3 Level for InletPumping System *         W - EOT Crane LA-01-09 at+18.3 Level for InletPumping System *         W - EOT Crane LA-01-07 for Fine Screen *         W - Fine Screen conveyors x6 Set
IW E&M Works           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1830           ATAL-1838           ATAL-1838           ATAL-1836           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1150           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1160           Coarse Screening System           ATAL-1190           ATAL-1160 <td>W. E&amp;M.Handover@below.+18.3mPD (Zone D)         W. E&amp;M.Handover@below.+18.3mPD (Zone A, intet/ve1)         W. E&amp;M.Handover@below.+13.3mPD (Zone A, intet/dry.vell, ventils fon room)         W. E&amp;M.Handover@below.+13.3mPD (Zone A, intet/dry.vell, ventils fon room)         W. E&amp;M.Handover@below.+13.3mPD (Zone A, intet/channel, Fine Screen1.4, Distribution Channel))         W. E&amp;M.Handover@below.+113.mPD (Zone A, intet/channel, Fine Screen1.4, Distribution Channel))         W. E&amp;M.Handover@below.+113.mPD (Zone A, intet/channel)         W. E&amp;M.Handover@below.+6.0mPD (Zone A, wetwell 2)         113 mPD)         Stast at Intet, Coarse Screen Channels         WUnloading of Penstock Subjogs.x34 Nos*         WNenstock.r12 Nos*         WLeakage Test-Combining Stoplogs/Penstocks (24nos)*         rabulit x.2 Sets         WIsed Bar Screens okyrab unitx2 Sets *         MCoarse Screen s.x 2 Sets*         WCoarse Screen s.x 1 Set         tht Pipes, Valves and Fittings         WCoarse Screen x.1 Set         tht Pipes, Valves and Fittings         WCoarse Screen S.1 Set         tht Pipes, Valves and Fittings         WCoarse Screen K.1 Set</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 23-Jan-25 23-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 19-Nov-24 A 31-Dec-24 31-D</td> <td>23-Oct24 A 18-Nov-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 25-Mar-25 12-Mar-25 25-Mar-25 27-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 08-Jan-25 08-Jan-25 07-Feb-25 08-Jan-25 08-Jan-25 08-Jan-25 08-Jan-25 08-Jan-25 19-Feb-25 15-Feb-25 15-Feb-25 15-Feb-25 15-Feb-25</td> <td>-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33</td> <td></td> <td>r@below+6.0mPD (Zone A, intetwel) ♦ W - E&amp;MHandover@below+18.3mPD (Zone / ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+6.0mPD (Zone ♦ W - E&amp;MHandover@below+ ♦ W - E&amp;MHandover@below+</td> <td>A, intel drywell, ventila fon room ) he A, wet well 1) 11.8mPD (Zone A, influent Channel, Fine Screen 1-4, Øistibution Channel)) berer @ below +6.0mPD (Zone A, coarse screen charnel) EMHandover @ below +10.8mPD (Zone D, grit taps 1-3)</td>	W. E&M.Handover@below.+18.3mPD (Zone D)         W. E&M.Handover@below.+18.3mPD (Zone A, intet/ve1)         W. E&M.Handover@below.+13.3mPD (Zone A, intet/dry.vell, ventils fon room)         W. E&M.Handover@below.+13.3mPD (Zone A, intet/dry.vell, ventils fon room)         W. E&M.Handover@below.+13.3mPD (Zone A, intet/channel, Fine Screen1.4, Distribution Channel))         W. E&M.Handover@below.+113.mPD (Zone A, intet/channel, Fine Screen1.4, Distribution Channel))         W. E&M.Handover@below.+113.mPD (Zone A, intet/channel)         W. E&M.Handover@below.+6.0mPD (Zone A, wetwell 2)         113 mPD)         Stast at Intet, Coarse Screen Channels         WUnloading of Penstock Subjogs.x34 Nos*         WNenstock.r12 Nos*         WLeakage Test-Combining Stoplogs/Penstocks (24nos)*         rabulit x.2 Sets         WIsed Bar Screens okyrab unitx2 Sets *         MCoarse Screen s.x 2 Sets*         WCoarse Screen s.x 1 Set         tht Pipes, Valves and Fittings         WCoarse Screen x.1 Set         tht Pipes, Valves and Fittings         WCoarse Screen S.1 Set         tht Pipes, Valves and Fittings         WCoarse Screen K.1 Set	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 23-Jan-25 23-Jan-25 23-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 19-Nov-24 A 31-Dec-24 31-D	23-Oct24 A 18-Nov-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 18-Mar-25 25-Mar-25 12-Mar-25 25-Mar-25 27-Feb-25 13-Mar-25 22-Feb-25 08-Jan-25 08-Jan-25 08-Jan-25 07-Feb-25 08-Jan-25 08-Jan-25 08-Jan-25 08-Jan-25 08-Jan-25 19-Feb-25 15-Feb-25 15-Feb-25 15-Feb-25 15-Feb-25	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, intel drywell, ventila fon room ) he A, wet well 1) 11.8mPD (Zone A, influent Channel, Fine Screen 1-4, Øistibution Channel)) berer @ below +6.0mPD (Zone A, coarse screen charnel) EMHandover @ below +10.8mPD (Zone D, grit taps 1-3)
IW E&M Works           ATAL-1780           ATAL-1780           ATAL-1820           ATAL-1820           ATAL-1838           ATAL-1838           ATAL-2050           ATAL-1836           ATAL-1836           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1830           ATAL-1150           ATAL-1150           ATAL-1151           ATAL-1152           ATAL-1156           Fixed Bar Screens c/w gr           ATAL-1180           Coarse Screening System           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1190           ATAL-1192           ATAL-1194           ATAL-1200           Pre-treatmentZone (Above 1           Penstock & Stoplogs X 1           ATAL-1162           ATAL-1164           Fine Screening System           ATAL-1220	W. E&M.Handover @ below +18.3mPD (Zone D)         W. E&M.Handover @ below +13.3mPD (Zone A, intet/vel)         W. E&M.Handover @ below +13.3mPD (Zone A, intet/vel)         W. E&M.Handover @ below +0.0mPD (Zone A, intet/vell, ventilation room)         W. E&M.Handover @ below +0.0mPD (Zone A, intet/channel, Fine Screen 1.4, Distribution Channel))         W. E&M.Handover @ below +10.3mPD (Zone A, intet/channel, Fine Screen 1.4, Distribution Channel))         W. E&M.Handover @ below +0.0mPD (Zone A, intet/channel)         W. Unakage Test - Combining Stoplogs /Pensbcks (24nos)*         motist 2.2 Sets       WCoarse Screen Conveyors x10 Sets*         W. Coarse Screen Conveyors x10 Sets*	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	07-Jan-25 11-Jan-25 11-Jan-25 11-Jan-25 07-Feb-25 13-Jan-25 21-Nov-24 A 02-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 02-Dec-24 09-Jan-25 03-Feb-25 03-Feb-25 03-Feb-25 03-Feb-25 19-Nov-24 A 31-Dec-24 31	23-Oct24 A 18-Nov-24 A 18-Nov-24 A 02-Dec-24 03-Dec-24 12-Dec-24 21-Dec-24 21-Dec-24 21-Dec-24 11-Jan-25 13-Jan-25 13-Jan-25 18-Mar-25 18-Mar-25 18-Mar-25 12-Mar-25 12-Mar-25 12-Mar-25 22-Feb-25 13-Mar-25 08-Jan-25 08-Jan-25 07-Feb-25 07-Feb-25 07-Feb-25 08-Jan-25 08-Jan-25 08-Jan-25 15-Feb	-342 -314 -314 -314 -385 -342 -308 -314 -338 -338 -338 -338 -338 -338 -338 -33		r@below+6.0mPD (Zone A, intetwel) ♦ W - E&MHandover@below+18.3mPD (Zone / ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+6.0mPD (Zone ♦ W - E&MHandover@below+ ♦ W - E&MHandover@below+	A, intel drywell, ventila fon room ) he A, wet well 1) 11.8mPD (Zone A, influent Channel, Fine Screen 1-4, Øistibution Channel)) bere @ below +6.0mPD (Zone A, coarse screen charnel) EMHandover @ below +10.8mPD (Zone D, grit taps 1-3)



Remaining Level of Ef...
Actual Work
Remaining Work
Critical Remaining Work
Milestone

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Contract DC/2019/10 - YLEPP - Main Works for Stage 1 Monthly Progress Report No. 49- 3MRP (Nov 24) Project ID : DWPr44\_241209 Layout : DC201910 MPR49-3MRP Page 4 of 8

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	02	09	16		23	30	06		13	20	27	04
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		IV	V - Fixed Ba	r Scree	ens c/w gra	bunitx2	Sets *					
	W-Coarse	Screen Con										
oa	rse Screens		IW - Compa	actors	x3 Sets*	+						
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					. ander ull							
/19	os*	W-Pen	stock x 12 N	los (5c	l/no./gang,	2gang)*						
- 1			stock x 12 N IW - Stoplo	gs x2(	) Nos (5d/n	d./gang,	3gang)*					-
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	ts* tors and Dis	charge Tube	e Connecto	rs*		+						
	ipework « »	fittings for an	tremovala	/stem	•••••							
Tra	ap x 2 Sets*	fittings for gri				1						
x	1 Sets *	Sote *										
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AL-1980         W - DOU Eq.           AL-1990         W - DOU Eq.           AL-2000         W - DOU Eq.           AL-2000         W - DOU Eq.           Switch Room (W + PST)         AL-1270           AL-1270         W - LVSB an           AL-1270         W - LVSB an           AL-1270         W - LVSB an           AL-1270         W - Electrical           AL-1330         W - Electrical           AL-1420         W - Instrume           AL-1620         W - T&C (ph           AL-1620	quipment Installation (Biotrick Filter 1A&1B, water break tank, 1stbatch FRP pipe)* quipment Installation (Biotrick Filter 1C to 1F, nutrient storage tank, 2nd batch FRP pipe)* quipment Installation (Activated carbon filer 1A&1B, air extraction fans&dehumidfier,3rd&4h batch FRP pipe) quipment Installation (irrigation and nutrient dosing pumps and pipeworks)* and PLC Panel, Station, UPS System Installation * ation Works (TX to LVSB)* zation & SAT of LVSB@W* al -Cable Containment Installation - LVSB to Equipment* al -Local Control Panel Installation * al -Cabling Works * al -Local Control Panel Installation * al -Cabling Works * al -Installation of Term ination Box* al -Megger Test and Termination Works * ent& SCADA - Cable Containment Installation & Cab Ing Works - PLC Panel to Equipment ent& SCADA - Instument Installation Works (Station Works) = Cabling Works - PLC Panel to Equipment ent& SCADA - Instrument Installation Works (Station Works) = Cabling Works - PLC Panel to Equipment ent& SCADA - Instrument Installation Works = Cab Ing Works - PLC Panel to Equipment ent& SCADA - Instrument Installation Works = Cab Ing Works - PLC Panel to Equipment ent& SCADA - Instrument Installation Works = Cab Ing Works - PLC Panel to Equipment ent& SCADA - Instrument Installation Works = Cab Ing Works - PLC Panel to Equipment ent& SCADA - Instrument Installation Works = Cab Ing Works - PLC Panel to Equipment ent& SCADA - Instrument Installation Works = Cab Ing Works - PLC Panel to Equipment ent& SCADA - Instrument Installation Works = Cab Ing Works - PLC Panel to Equipment ent& SCADA - Instrument Installation Works = Cab Ing Works - PLC Panel to Equipment ent& SCADA - Instrument Installation Works = Cab Ing Works - PLC Panel to Equipment = Cab Ing Works = Cab	20 20 20 12 36 6 7 60 60 45 60 30	25-Nov-24 A 24-Dec-24 20-Jan-25 15-Feb-25 09-Sep-24 A 16-Jan-25 23-Jan-25 24-Oct-24 A 15-Nov-24 A 15-Nov-24 A	18-Jan-25 14-Feb-25 28-Feb-25 15-Jan-25 22-Jan-25 03-Feb-25 24-Jan-25	-345 -345 -345 -345 -345 -294 -294 -294		W-LVSB and PL	
AL-1990         W - DOU Eq           AL-2000         W - DOU Eq           Switch Room (W + PST)         AL-1270           AL-1270         W - LVSB an           AL-1290         W - Terminal           AL-1290         W - Terminal           AL-1230         W - Terminal           AL-1230         W - Terminal           AL-1330         W - Electrica           AL-1330         W - Electrica           AL-1330         W - Electrica           AL-1380         W - Electrica           AL-1390         W - Electrica           AL-1420         W - Instrume           AL-1420         W - Isstrume           AL-1420         W - Instrume           AL-1620         W - T&C (ph           AL-1620         W - T&C (ph           AL-1630	quipmentInstallation (Activated carbon filer 1A&1B, air extraction fans&dehumidfier,3rd&4 h ba bh RP pipr quipmentInstallation (irrigation and nutrient dosing pumps and pipeworks)* and PLC Panel, Station, UPS System Installation* ation Works (TX to LVSB)* zation & SAT of LVSB@WV* al -Cable Containment Installation - LVSB to Equipment* al -Cable Containment Installation - LVSB to Equipment* al -Cable Containment Installation * al -Cable Containment Installation * al -Cable Containment Installation * al -Installation of Term haston Box* al - Installation of Term haston Box* al - Megger Test and Termination Works * ent& SCADA- Cable Containment Installation & Inspection ent & SCADA- Instrument Installation & Inspection ent & SCADA- Termination Works	20 12 36 6 7 60 60 45 60	20-Jan-25 15-Feb-25 09-Sep-24 A 16-Jan-25 23-Jan-25 24-Oct-24 A 15-Nov-24 A	14-Feb-25 28-Feb-25 15-Jan-25 22-Jan-25 03-Feb-25 24-Jan-25	-345 -345 -294 -294 -294		W-LVSB and PL	W - DOU Equi
AL-2000         W - DOU Eq           Switch Room (W + PST)         AL-1270         W - LVSB an           AL-1270         W - LVSB an         AL-1230         W - Exercise           AL-1330         W - Emergize         Crical Works         W - Emergize           AL-1330         W - Electrica         AL-1330         W - Electrica           AL-1330         W - Electrica         AL-1370         W - Electrica           AL-1330         W - Electrica         AL-1390         W - Electrica           AL-1390         W - Electrica         AL-1420         W - Instrume           AL-1420         W - Instrume         AL-1420         W - Instrume           AL-1420         W - Instrume         AL-1420         W - Instrume           AL-1420         W - Instrume         Ease 2 - W Sub-System Dry Function Test (I           AL-1620         W - Tack (ph         AL-1620         W - Tack (ph           AL-1630         W - Tack (ph         AL-1630         W - Tack (ph           AL-1630         W - Tack (ph         AL-1630         W - Tack (ph           AL-1630         W - Tack (ph         AL-1630         W - Tack (ph           AL-1630         W - Tack (ph         AL-1630         W - Tack (ph           AL-1630	quipment Installation (irrigation and nutrient dosing pumps and pipeworks)*         and PLC Panel, Station, UPS System Installation*         ation Works (TX to LVSB)*         zation & SAT of LVSB@WV*         al -Cable Containment Installation - LVSB to Equipment*         al -Cable Containment Installation *         al -Local Control Panel Installation *         al -Cable Quert State         al -Cable Containment Installation *         al -Cable Containment Installation *         al -Cable Containment Installation & Cabling Works - PLC Panel to Equipment         ent& SCADA - Cable Containment Installation & nepection         ent & SCADA - Termination Works	12 36 6 7 60 60 45 60	15-Feb-25 09-Sep-24 A 16-Jan-25 23-Jan-25 24-Oct-24 A 15-Nov-24 A 15-Nov-24 A	28-Feb-25 15-Jan-25 22-Jan-25 03-Feb-25 24-Jan-25	-345 -294 -294 -294			C Panel, Station, UPS System Installation *
Switch Room (W + PST)           A1270         W - LVSB an           AL-1270         W - LVSB an           AL-1290         W - Terminal           AL-1230         W - Terminal           AL-1330         W - Electrica           AL-1330         W - Electrica           AL-1370         W - Electrica           AL-1370         W - Electrica           AL-1370         W - Electrica           AL-1380         W - Electrica           AL-1380         W - Electrica           AL-1380         W - Electrica           AL-1420         W - Instrume           AL-1450         W - Tstrume           BST Stage 1         AST Sta	ind PLC Panel, Staton, UPS System Installation * ation Works (TX to LVSB)* ation Works (TX to LVSB)* ation & SAT of LVSB@W* al -Cable Containment Installation - LVSB to Equipment* al -Cable Containment Installation * al -Cabling Works* al -Installation of Termination Box* al -Installation of Termination Box* al -Installation of Termination Works* ent & SCADA - Cable Containment Installation & Cab Ing Works - PLC Panel to Equipment ent & SCADA - Termination Works	36 6 7 60 60 45 60	09-Sep-24 A 16-Jan-25 23-Jan-25 24-Oct-24 A 15-Nov-24 A 15-Nov-24 A	15-Jan-25 22-Jan-25 03-Feb-25 24-Jan-25	-294 -294 -294			
AL-1290         W - Terminal           AL-1330         W - Terminal           AL-1330         W - Energize           ctrical Works	ation Works (TX b LVSB)* zation & SAT of LVSB@W* al -Cable Containment Installation - LVSB to Equipment* al -Local Control Panel Installation * al -Local Control Panel Installation * al - Local Control Panel Installation * al - Installation of Termination Box* al - Installation of Termination Box* al - Megger Test and Termination Works * ent & SCADA - Cable Containment Installation & Cabing Works - PLC Panel to Equipment ent & SCADA - Instrument Installation & Inspection ent & SCADA - Termination Works	6 7 60 60 45 60	16-Jan-25 23-Jan-25 24-Oct-24 A 15-Nov-24 A 15-Nov-24 A	22-Jan-25 03-Feb-25 24-Jan-25	-294 -294			
AL-1330         W - Energizz           AL-1340         W - Electrica           AL-1340         W - Electrica           AL-1350         W - Electrica           AL-1370         W - Electrica           AL-1370         W - Electrica           AL-1380         W - Electrica           AL-1390         W - Electrica           AL-1390         W - Electrica           Turmentation & SCADAWOrks         AL-1420           AL-1420         W - Instrume           AL-1440         W - Instrume           AL-1420         W - Instrume           AL-1620         W - T8C (ph           AL-1620         W - T8C (ph           AL-1630         W - T8C (ph           BST Stage 1 - ABWF Works           BLAH above+11.BmPD	zation & SAT of LVSB@W* al - Cable Containment Installation - LVSB to Equipment* al - Local Control Panel Installation * al - Cabling Works* al - Installation of Termination Box* al - Megger Test and Termination Works* ent & SCADA - Cable Containment Installation & Cabling Works - PLC Panel to Equipment ent & SCADA - Termination Works	7 60 60 45 60	23-Jan-25 24-Oct-24 A 15-Nov-24 A 15-Nov-24 A	03-Feb-25 24-Jan-25	-294			
Errical Works         Velection           AL-1340         W-Election           AL-1370         W-Election           AL-1370         W-Election           AL-1380         W-Election           AL-1380         W-Election           AL-1380         W-Election           AL-1380         W-Election           AL-1380         W-Election           AL-1420         W-Instrume           AL-1400         W-Instrume           AL-1420         W-Instrume           AL-1420         W-Instrume           AL-1420         W-Instrume           AL-1420         W-Instrume           AL-1420         W-Instrume           Statt C Works         Statt C (ph           Statt C Works         Statt C (ph           AL-1630         W-T&C (ph           AL-1630         W-T&C (ph           AL-1630         W-T&C (ph           AL-1630         W-T&C (ph           ST Stage 1 - ABWF Works         LAH           LAH above +11.8mPD         PST Stage 1           ST Stage 1 - E&M Installation Works         Stage 1           ST Stage 1 - E&M Installation Works at Stage 1           ST Stage 1 - E&M Installation Works at Stage 1	al - Cable Containment Installation - LVSB to Equipment* al - Cabling Works * al - Cabling Works * al - Installation of Termination Box* al - Megger Testand Termination Works * ent & SCADA - Cable Containment Installation & Cabling Works - PLC Panel to Equipment ent & SCADA - Instrument Installation & Inspection ent & SCADA - Termination Works	60 45 60	24-Oct-24 A 15-Nov-24 A 15-Nov-24 A	24-Jan-25			IW- IB	W - Energization & SAT of LVSB
AL-1350         W - Electrica           AL-1370         W - Electrica           AL-1370         W - Electrica           AL-1380         W - Electrica           AL-1390         W - Electrica           AL-1430         W - Electrica           AL-1420         W - Instrume           AL-1420         W - Instrume           AL-1440         W - Instrume           AL-1440         W - Instrume           AL-1440         W - Instrume           AL-1450         W - Instrume           AL-1450         W - Instrume           AL-1620         W - T&C (ph           AL-1630         W - T&C (ph           BT Stage 1         - E&W Works           AL-4620         PST Stage 1           PST3165         PST Stage 1           PST3165         PST Stage 1           PST3165         PST Stage 1           PST3165         PST Stage 1           PST1 - Inclend Plate Sotting S	al - Local Control Panel Installation * al - Cabling Works * al - Installation of Term ination Box * al - Megger Test and Termination Works * ent& SCADA - Cable Containment Installation & Cabling Works - PLC Panel to Equipment ent& SCADA - Instrument Installation & Inspection ent& SCADA - Termination Works	60 45 60	15-Nov-24 A 15-Nov-24 A					
AL-1370         W - Electrica           AL-1380         W - Electrica           AL-1380         W - Electrica           AL-1390         W - Electrica           rumentation & SCADAWorks         W - Instrume           AL-1420         W - Instrume           AL-1420         W - Instrume           AL-1420         W - Instrume           AL-1420         W - Instrume           AL-1440         W - Instrume           & AL-1440         W - Instrume           & M T&C Works         State           State C Works         W - Instrume           & M T&C Works         W - T&C (ph           AL-1620         W - T&C (ph           AL-1630         W - T&C (ph           ary Sedimentation Tank (PST)         ABWF, E&M & T&C           ST Stage 1         ST Stage 1           PST3135         PST Sbage 1           PST3166         PST Sbage 1           PST Stage 1 - E&M Installation Works at Step 1           PST3185         PST Sbage 1           PST Stage 1 - E&M Installation Works at Step 1           PST 1 - Inclined Plate Sotting System           PST 32         PST Sbage 1           PST 1 - Compressors , Ar Howers dwa           ATALPST-5470         PS	al - Cabling Works * al - Installation of Term ination Box * al - Megger Testand Termination Works * ent& SCADA - Cable Containment Instal ation & Cabling Works - PLC Panel to Equipment ent& SCADA - Instrument Instal lation & Inspection ent& SCADA - Termination Works	45 60	15-Nov-24 A		-326			- Electrical - Cable Containment Installation - LVS
AL-1380         W - Electrica           AL-1380         W - Electrica           rumentation & SCADAWorks         W - Electrica           rumentation & SCADAWorks         W - Instrume           AL-1420         W - Instrume           State Coverks         Sec 2 - W Sub-System Dry Function Test (J           AL-1630         W - T&C (ph           ST Stage 1 - ABWF Works         L           LAH above +118mPD         PST Stage 1           PST3155         PST Stage 1           ST Stage 1 - E&M Installation Works         Stage 1           ATALPST-5410         PST Stage 1           PST 2         Compressors , Ar Iowers of a	al - Installation of Termination Box* al - Megger Testand Termination Works* ent& SCADA- Cable Containment Installation & Cabling Works - PLC Panel to Equipment ent& SCADA - Instrument Installation & Inspection ent& SCADA - Termination Works	60		25-Jan-25	-305			W - Electrica W - Electrical - Cabling Works *
rumentation & SCADAWorks           AL-1420         W - Instrume           AL-1420         W - Instrume           AL-1440         W - Instrume           AL-1440         W - Instrume           AL-1450         W - Instrume           AL-1450         W - Instrume           AL-1450         W - Instrume           AL-1620         W - TsC (ph           se 2 - W Sub-System Dry Function Test (fl           AL-1620         W - TsC (ph           ary Sedimentation Tank (PST)           ABWF, E&M & T&C           'Stage 1           'ST Stage 1 - ABWF Works           LAH above +11.8mPD           >ST3165         PST Stage 1           PST3165         PST Stage 1           PST1 - Inclined Plate Sotting System           PST32         PST Stage 1           PST1 - Compressors , Ar Howers c.W a           ATALPST-5470         PST Stage 1           PST3 - Onclined Plate Setting System           PST3 - Compressors , Ar Howers c.W a	ent & SCADA - Cable Containment Installation & Cabling Works - PLC Panel to Equipment ent & SCADA - Instrument Installation & Inspection ent & SCADA - Termination Works	30	15-Nov-24 A	15-Feb-25	-305			W-Electric
AL-1420 W-Instrume AL-1440 W-Instrume AL-1440 W-Instrume AL-1440 W-Instrume AL-1440 W-Instrume AL-1440 W-Instrume AL-1620 W-Instrume BM T&C Works se 2 - WSub-System Dry Function Test (f AL-1620 W-T&C (ph ary Sedimentation Tank (PST) ABWF, E&M & T&C Stage 1 TS tage 1 - ABWF Works LAH above +118mPD ST3135 PST Stage 1 ST3135 PST Stage 1 ST tage 1 - E&M Installation Works asas 1 (c)LAH, PST 1-3, Outbet Channel) PST 325 PST Stage 1 PST 3 - Inclined Plate Sotting System PST 325 PST Stage 1 PST 2 PST 2 PST 2 PST 3 DST 3 - Inclined Plate Sotting System PST 3335 PST Stage 1 PST 3 PST 3 - Inclined Plate Sotting System PST 3 PST 3 PST 3 - Inclined Plate Sotting System PST 3 PST 3 P	ent&SCADA-InstumentInstallation & Inspection ent&SCADA-Termination Works		09-Jan-25	15-Feb-25	-305			IW-Electric
AL-1400         W - Instrume           AL-1440         W - Instrume           AL-1440         W - Instrume           AL-1450         W - Instrume           AL-1450         W - Instrume           AL-1450         W - Instrume           Set 2 - W Sub-System Dry Function Test (f           AL-1620         W - T&C (ph           AL-1630         W - T&C (ph           AL-1630         W - T&C (ph           AL-1630         W - T&C (ph           All Stage 1         Stage 1           Stage 1         Stage 1           Stage 1         Stage 1           VEX Stage 1         PST Stage 1           PST 1         Inched Plate Setting System           PST 2         PST Stage 1           PST 3         PST Stage 1           PST 4         PST Stage 1           PST 3         PST Stage 1           PST 4         PST Stage 1           PST 5         PST Stage 1	ent&SCADA-InstumentInstallation & Inspection ent&SCADA-Termination Works	00	00 D 04	44 May 05	200			
AL-1440         W - Instrume           AL-1440         W - Instrume           &M T&C Works         W - Instrume           AL-1620         W - T&C (ph           AL-1630         W - T&C (ph           Arr Stage 1         T           TS tage 1 - ABWF Works         LAH above +11.8mPD           >ST3135         PST Stage 1           >ST3165         PST Stage 1           >ST3135         PST Stage 1           >ST3165         PST Stage 1           >ST3135         PST Stage 1           >ST3135         PST Stage 1           ST Stage 1 - E&M Installation Works 13         M res of Ma           PST 1         PST Stage 1           PST 1         PST Stage 1           PST 1         PST Stage 1           PST 2         PST Stage 1           PST 3         PST Stage 1	ent&SCADA-Termination Works	80 52	02-Dec-24 21-Jan-25	11-Mar-25 25-Mar-25	-326			
8M T&C Works     se 2 - W Sub-System Dry Function Test (fl AL-1620     W - T&C (ph AL-1630	ent & SCADA-Installation of GUI. PQEMS, DEMS, CMOS, System Integration & Manoing Network Configu	52	21-Jan-25	25-Mar-25	-326			
se 2 - IW Sub-System Dry Function Test (f           AL-1620         W - T&C (ph           AL-1620         W - T&C (ph           AL-1630         W - T&C (ph           AL-1630         W - T&C (ph           Aut 1620         W - T&C (ph           ABWF, E&M & T&C         Stage 1           Stage 1         Stage 1           Stage 1         ABWF, E&M & T&C           Stage 1         ABWF, E&M & T&C           2ST31135         PST Skage 1           2ST3165         PST Skage 1           2ST Stage 1 - E&M Installation Works at St           PST 1         Inchined Plate Setting System           PST 3         PST Skage 1           PST 1         Inchined Plate Setting System           PST 2         PST 2           PST 2         PST 2           PST 3         Inchined Plate Setting System           PST 3         Inchined Plate Setting System		45	01-Feb-25	25-Mar-25	-326			
AL-1620         W-T&C (ph           AL-1630         W-T&C (ph           AL-1630         W-T&C (ph           ary Sedimentation Tank (PST)         ABWF, E&M & T&C           ABWF, E&M & T &C         Stage 1           Stage 1         Stage 1           State 5         PST Stage 1           State 5         PST Stage 1           State 1         Stage 1           Stage 1         Stage 1           Stage 1         PST Stage 1           Stage 1         E&M Installation Works at Sc           PST 1         Stage 1           PST 1         PST Stage 1           PST 2         PST Stage 1           PST 3         PST Stage 1           PST 2         PST Stage 1           PST 2         PST Stage 1           PST 2         PST Stage 1           PST 3         PST Stage 1           PST 3         PST 3           PST 3         PST 3           PST 3	(Function Destantion Interlact)							
AL-1630         W -T&C (ph           ary Sedimentation Tank (PST)           ABWF, E&M & T&C           Stage 1           TS tage 1 - ABWF Works           LAH above +11.8mPD           >S13135         PST Stage 1           2ST3165         PST Stage 1           >ST3175         PST Stage 1           >ST3165         PST Stage 1           >ST3165         PST Stage 1           >ST3165         PST Stage 1           >ST3165         PST Stage 1           *ST3165         PST Stage 1           *ST3166         PST Stage 1           *ST317         PST Stage 1           *ST1         PST 325           PST 1         PST Stage 1           PST 2         PST Stage 1           PST 2         PST Stage 1           PST 3         PST 3           PST 3         PST 3 <tr< td=""><td>(Function, Protection, Interlock) h2)-Fine Screening System *</td><td>6</td><td>17-Feb-25</td><td>22-Feb-25</td><td>-305</td><th></th><td></td><td></td></tr<>	(Function, Protection, Interlock) h2)-Fine Screening System *	6	17-Feb-25	22-Feb-25	-305			
ABWF, E&M & T&C           Stage 1           Stage 1           St Stage 1           PST 1           PST 3           PST 3           PST 2           PST 2           PST 3	h2)-Grit Removal System *	6	20-Feb-25	26-Feb-25	-308			
Stage 1         T Stage 1 - ABWF Works         A-H above +11.8mPD         ST3135       PST Stage 1         ST3165       PST Stage 1         ST3175       PST Stage 1         ST3185       PST Stage 1         ST3185       PST Stage 1         STatage 1 - E&M Installation Works asse 1 (GLAH, PST 1-3, Outlet Channel)         ST Stage 1 - E&M Installation Works at Science         ST1         PST 1-Inclined Plate Setting System         PST 1-Inclined Plate Setting System         PST 2- Compressors, Air blowers c/w a         ATALPST-5470       PST Stage 1         PST 2- Compressors, Air blowers c/w a         ATALPST-6850       PST Stage 1         PST 3- Compressors, Air blowers c/w a         ATALPST-6710       PST Stage 1         PST 3- Gompressors, Air blowers c/w a         ATALPST-6740       PST Stage 1         PST 3- Stage 1 - Compressors, Air blowers c/w a         ATALPST-6770       PST Stage 1         ST Stage 1 - Compressors, Air blowers c/w a         ATALPST-6770       PST Stage 1         ST Stage 1 - Compressors, Airbowers       ATALPST-6770         PST Stage 1 - Stage 1       PST Stage 1         ST Stage 1 - Stage 1       PST Stage 1         S								
T Stage 1 - ABWF Works           .AH above +11.8mPD           ST3135         PST Stage 1           ST3135         PST Stage 1           ST3165         PST Stage 1           ST3175         PST Stage 1           ST3185         PST Stage 1           Stage 1 - E&M Installation Works at Scase 1 (GLAH, PST 4.3, outlet Channel)           ST Stage 1 - E&M Installation Works at Scase 1 (GLAH, PST 4.3, 0)           PST 3.25         PST Stage 1           PST 4.25410         PST Stage 1           PST 2. Compressors, Ar bowers c.W at ATALPST-6470         PST Stage 1           PST 3.         PST Stage 1           PST 3.33         PST Stage 1           PST 3.33         PST Stage 1           PST 3.0mpressors, Ar bowers c.W at ATALPST-6710         PST Stage 1           ATALPST-6740         PST Stage 1           ST 4.26 L+1, (Intel Channel, Pump Room ST 4.26 L+16, Compressors, Ar bowers c.W at ATALPST-6770           PST Stage 1 - Compress								
A-H above +11.8mPD           ST3105         PST Stage 1           ST3175         PST Stage 1           ST3185         PST Stage 1           ST3185         PST Stage 1           STStage 1 - E&M Installation Works as a (IGLAH, PST 1-3, Outlet Channet)           STSTage 1 - E&M Installation Works at Stage 1           PST 1 - Inclined Plate Setting System           PST 3325         PST Stage 1           PST 1 - Compressors, Air blowers c/wa           ATALPST-5470         PST Stage 1           PST 2 - Compressors, Air blowers c/wa           ATALPST-6850         PST Stage 1           PST 3         PST Stage 1           PST 3- Compressors, Air blowers c/w a           ATALPST-6710         PST Stage 1           PST 3- Compressors, Air blowers c/w a           ATALPST-6710         PST Stage 1           PST 3- Compressors, Air blowers c/w a           ATALPST-6770         PST Stage 1           ST 3         PST 3- Compressors, Air blowers c/w a           ATALPST-6770         PST Stage 1           ST 4         - Compressors, Air blowers								
ST3165         PST Skige 1           ST3175         PST Skige 1           ST3175         PST Skige 1           ST3175         PST Skige 1           ST3185         PST Skige 1           ST3185         PST Skige 1           ST3185         PST Skige 1           ST3185         PST Skige 1           STatige 1 - E&M Installation Works at Science         Science           ST1         Inclined Plate Setting System           PST 325         PST Skige 1           ATALPST-5410         PST Skige 1           PST 1 - Inclined Plate Setting System         PST Skige 1           PST 2 - Compressors, At blowers c.W.a         ATALPST-6850           PST 3 - Inclined Plate Setting System         PST Skige 1           PST 3 - Inclined Plate Setting System         PST Skige 1           PST 3 - Inclined Plate Setting System         PST Skige 1           PST 3 - Inclined Plate Setting System         PST Skige 1           PST 3 - Inclined Plate Setting System         PST Skige 1           PST 3 - Skige 1         Skige 1           Stage 1 - Compressors, At blowers c.W.a         ATALPST-6700           PST Skige 1 - Electrical Works (PST 1.3, In         TALPST 5.600           PST Skige 1 - Electrical Works (PST 1.3, In         TALPST 5.600 <td></td> <td></td> <td></td> <td></td> <td></td> <th></th> <td></td> <td></td>								
ST3175     PST Slage 1       ST3175     PST Slage 1       ST3185     PST Slage 1       T Stage 1 - E&M Installation Works asse 1 (GLAH, PST 1-3, outlet Channel)       ST Stage 1 - E&M Installation Works ats       ST Stage 1 - E&M Installation Works ats       PST 1 - E&M Installation Works ats       PST 3-DE       PST 3-DE       PST 4-DE       PST 4-DE       PST 5-Stage 1       PST 4-DE       PST 4-DE       PST 3-DE       PST 2-Compressors, Ar blowers c/w a       ATALPST-6400       PST 3-DE	1-ABWF Works (wall render:spray=1d.jet.dry=5d)at+11.8/+18.15mPD	6	20-Jan-25	25-Jan-25	-197			ST Stage 1 - ABWF Works (wall render:spray=
ST3185     PST Skage 1       Stage 1 - E&M Installation Works       asse 1 (GLAH, PST 1-3, Outlet Channel)       STStage 1 - E&M Installation Works at Stage 1       ST1       PST 31       PST 1 - Indined Plate Setting System       PST 31       PST 31       PST 31       PST 31       PST 31       PST 31       PST 32       PST 333       PST 333       PST 382       PST 34       PST 32       PST 34       PST 34       PST 32       PST 382	1-ABWF Works (wall plaster:3coats) at +11.8/+18.15mPD	2	27-Jan-25	28-Jan-25	-197			PST Stage 1 - ABWF Works (wall plaster.3)
Stage 1 - E&M Installation Works         sase 1 (GLAH, PST1-3, Outlet Channel)         ST Stage 1 - E&M Installation Works at Stage 1         ST 1 - Inclined Plato Setting System         PST 325       PST Stage 1         PST 2       PST Stage 1         PST 2       PST Stage 1         PST 3       PST Stage 1         ST3       PST 3         PST 3: Inclined Plato Setting System         PST 3: Compressors , At Howers & Wa         ATALPST-650       PST Stage 1         PST 3: Inclined Plato Setting System         PST 3: Compressors , At Howers & Wa         ATALPST-6710       PST Stage 1         PST 3: Compressors , At Howers & Wa         ATALPST-670       PST Stage 1         ST Stage 1 - Compressors , At Howers & Wa         ATALPST-670       PST Stage 1         ST Stage 1 - Electrical Works (PS1 3, Jn         ATALPST-670       PST Stage 1         ST Stage 1 - Electrical Works (PS1 3, Jn         ATALPST-660       PST Stage 1         TALPST-660       PST Stage 1	1 - ABWF Works (floor screeding) at +11.8/+18.15mPD 1 - ABWF Works (floor coating:3coats) at +11.8/+18.15mPD	3	01-Feb-25 05-Feb-25	04-Feb-25 07-Feb-25	-197 -197			PST Stage 1 - ABWF Works (f PST Stage 1 - ABWF Wo
ase 1 (GLAH, PST1-3, Outlet Channel)           ST Stage 1 - E& Minstallation Works at Sc           ST1           PST 1 - Inclined Plats Setting System           PST3325         PST Stage 1           ATALPST-5410         PST Stage 1           PST 1 - Compressors, At Bovers CW at ATALPST-5470         PST Stage 1           ST2         PST 2 - Compressors, At Bovers CW at ATALPST-6850         PST Stage 1           PST3         Inclined Plats Setting System         PST Stage 1           PST3-Scompressors, At Bovers CW at ATALPST-6700         PST Stage 1           STALPST-6700         PST Stage 1         Stage 1- Compressors, Airb bovers CW at ATALPST-6700           ST Stage 1 - ElectricalWorks (PST 13, In         TALPST-6560         PST Stage 1           TALPST-6560         PST Stage 1         TALPST-5670			00-100-20	01-1-00-20	-131			
ST1         PST 3-Inclined Plate Setting System           PST 3125         PST Slage 1           TALPST-5410         PST Slage 1           PST 1 - Compressors, Ar Bowers c Wa         ATALPST-5470           PST Slage 1         PST Slage 1           ST2         PST Slage 1           ST2         PST Slage 1           ST3         PST Slage 1           ATALPST-6710         PST Slage 1           ST3         PST Slage 1           ST3         PST Slage 1           ST3         Compressors, Ar Bowers & Wa           ATALPST-6770         PST Slage 1           Se 2 (GL H4 (Intel Channet, Pump Roort         PST Slage 1           Stage 1 - ElectricalWorks (PST 1-3)         PST Slage 1           TStage 1 - ElectricalWorks (PST 1-3)         PST Slage 1           TStage 1 - ElectricalWorks (PST 1-3)         PST Slage 1           TALPST-6600         PST Slage 1								
PST 1 - Inclined Plate Settling System PST3225 PST Stage 1 ATALPST-5410 PST Stage 1 PST 3 - Compressors , Ar blowers c. kra ATALPST-5470 PST Stage 1 ST2 PST 2 - Compressors , Ar blowers c. kra ATALPST-6550 PST Stage 1 ATALPST-6710 PST Stage 1 ATALPST-6710 PST Stage 1 ATALPST-6710 PST Stage 1 ATALPST-6710 PST Stage 1 ATALPST-670 PST Stage 1 ST Stage 1 - Electrical Works c. kra ATALPST-670 PST Stage 1 ATALPST-670 PST Stage 1 ATALPST-670 PST Stage 1 ATALPST-660 PST Stage 1 JTALPST-5670 PST Stage 1	Setting Zone (PST 1-3)							
PST 3325         PST Stage 1           ATALPST-5410         PST Stage 1           PST 1 - Compressors, At blowers & Wa         PST Stage 1           ST 2         PST Stage 1           ST 2         PST Stage 1           ST 2         PST Stage 1           ST 3         PST Stage 1           PST 4         PST Stage 1           ST 4         PST Stage 1           ST 5         PST Stage 1           ST 5         PST Stage 1           ST 4         PST Stage 1           TStage 1 - ElectricalWorks (PST 13, In 74           FX 4         PST Stage 1								
ATALPST-5410         PST Skage 1           PST - Compressors, Ar blowers dwa         ATALPST-5470         PST Skage 1           ST2         PST Skage 1         Strange 1           PST 2- Compressors, Ar blowers dwa         ATALPST-6850         PST Skage 1           ST3         PST 3- And Inde National System         PST Skage 1           PST 3- And Inde National System         PST Skage 1         ATALPST-6710           PST Skage 1- Compressors, Ar blowers dwa         ATALPST-6740         PST Skage 1           Se 2 (GL H4 (Intel Channel, Pump Roord)         TST Skage 1-         TST Skage 1-           TALPST-6770         PST Skage 1         TST Skage 1-           TALPST-6600         PST Skage 1         TST Skage 1-           TALPST-5660         PST Skage 1         TALPST-5670	1 - PST1 - Installation of removable walkway at +92mPD	7	10-Dec-24*	17-Dec-24	-271		PST Stage 1 - PST1 - Ih stallation of removable walkway at +92mPD	
ATALPST-5470         PST Stage 1           ST2         -           ST3         -           ST3         -           ST3         -           ST3         -           ST3         -           ST3-Inclined Plate Setting System         -           PST3335         PST Stage 1           ST3-Compressors AP blowers of wat         -           ATALPST-6710         PST Stage 1           Set 2 (GL H4, (hiet Channet, Pump Roorn         -           Stage 1 - Electrical Works (PST 34, n)         -           ST Stage 1 - Electrical Works (PST 34, n)         -           TALPST-6700         -         -           PST Stage 1         -         -           TALPST-6600         -         -           TALPST-5670         -         -	PST1 - Water Spray Pipe and Nozzle Installation c/wpressure test & inspection	10	18-Dec-24	31-Dec-24	-269		· · · · · · · · · · · · · · · · · · ·	Nozzle Installation c/w pressure test & inspectio
ST2 PST2-Compressors AF blowers c.kra ATALPST-6850 PST Stage 1 PST3 PST3 - Inclined Plate Setting System PST3-Inclined Plate Setting System PST3-Stage 1 ATALPST-6710 PST Stage 1 PST3-Compressors AF blowers c.kra ATALPST-6740 PST Stage 1 ase 2 (GL H-1, (hlet Channet, Pump Roor ST Stage 1 - Compressors , Airb bwers ATALPST-6770 PST Stage 1 ST Stage 1 - Electrical Works (PST 1-3, In XTALPST-660 PST Stage 1 VTALPST-5670 PST Stage 1	associated fittings 1. PST1, All other process pipes above 11.8 mPD, including DO, Pipes, Pant Sawice Water Pipes Air Pipe	22	02 1 05	20 1 05	070			Derebast Dert All "
PST2-Compressors, Ar blowers c/k a       ATALPST-6850     PST Stage 1       ST3     PST Stage 1       ST3     PST Stage 1       PST3.1 no lined Plato Setting System     PST Stage 1       PST3.35     PST Stage 1       ATALPST-6710     PST Stage 1       PST3.4 blowers c/k a     PST Stage 1       ATALPST-6740     PST Stage 1       Isse 2 (GL H4 (niet Channel Pump Roor     PST Stage 1       ITStage 1 - ElectricalWorks (PST Stage 1     PST Stage 1       ISTage 1 - ElectricalWorks (PST Stage 1     PST Stage 1       TALPST-5660     PST Stage 1	1 - PST1 - All other process pipes above 11.8 mPD including DO Pipes, Plant Service Water Pipes, Air Pipe	23	02-Jan-25	30-Jan-25	-270			PST Stage 1 - PST1 - All other process
ST 3	associated fittings							
PST3 - Inclined Plate Setting System       PST3335     PSTSbge1       ATALPST6710     PSTSbge1       PST3 - Compressors A, Powers c. kra       ATALPST6740     PSTSbge1       se 2 (GL H-I, (hlet Channel, Pump Room       TStage1 - Compressors, Airbbwers, train       TStage1 - Stage1       TStage1 - Stage1       TStage1 - ElectricalWorks (PSTSbge1       TStage1 - ElectricalWorks (PSTSbge1       TALPST-5660     PSTSbge1	1 - PST2 - All other process pipes above 11.8 mPD including DO Pipes, Plant Service Water Pipes, Air Pipe	24	02-Aug-24 A	06-Dec-24	-245		PST Stage 1 - PST2 - All other process pipes above 11.8mPD including DO Pipes, Plant	Service Water Pipes, Air Pipe
PST3335 PSTSbage 1 ATALPST6710 PSTSbage 1 PST3=Compressons, AP blowers dw a ATALPST6710 PSTSbage 1 se 2 (GL H-L (hiel Channet, Pump Roor TStage 1 - Compressons, Airbbwers TALPST-6770 PSTSbage 1 TStage 1 - ElectricalWorks (PST13, In ALPST-5660 PSTSbage 1 FALPST-5670 PSTSbage 1								
ATALPST-6710         PST Slage 1           YST 3: Compressors, AP blowers, kna         PST Slage 1           ATALPST-6740         PST Slage 1           9 (SL H4 (hiet Channet, Pump Roor         TStage 1- Compressors, Airbbwers           TStage 1- Compressors, Airbbwers         PST Slage 1           TStage 1- ElectricalWorks         PST Slage 1           TStage 1- ElectricalWorks         PST Slage 1           FALPST-5660         PST Slage 1	1 - PST3 Installation of removable walkway at +9 2mPD	7	02-Dec-24*	09-Dec-24	-271		PST Stage 1 - PST3 Installation of removable walkway at +92mPD	
ATALPST-6740         PST Stage 1           sse 2 (GL H-1, (Intel Channel, Pump Roor         TStage 1 - Compressors, Airbburers,           TALPST-6770         PST Stage 1           TStage 1 - Electrical Works (PST 1-3, In         TALPST-5660           TALPST-5670         PST Stage 1	1 - PST3 - Water Spray Pipe and Nozzle Installation c/wpressure test & inspection	12	10-Dec-24	23-Dec-24	-264		PST Stage 1 - PST3 - Water Spray Pipe and Nozzle Installa	ation c/w pressure test & inspection
ase 2 (GL H-1, (het Channel, Pump Room STStage 1 - Compressors, Airbbwers, TALPST-6770 PSTSbage 1 STStage 1 - Electrical Works (PST1-3, In XALPST-6660 PST Sbage 1 TALPST-5670 PST Sbage 1	associated fittings							
ST Stage 1 - Compressors, Airbbwers ( TALPST-6770     PST Stage 1       ST Stage 1 - Electrical Works (PST 1-3, In TALPST-5660     PST Stage 1       TALPST-5670     PST Stage 1	1 - PST3 - All other process pipes above 11.8 mPD including DO Pipes, Plant Service Water Pipes, Air Pipe	23	24-Dec-24	22-Jan-25	-264		PSTS	stage 1 - PST3 - All other process pipes above 1
TALPST-6770         PST Sage 1           ST Stage 1 - Electrical Works (PST 1-3, In TALPST-5660         PST Sage 1           TALPST-5670         PST Sage 1								
ATALPST-5660 PST Stage 1 ATALPST-5670 PST Stage 1	1 - GLH-I-All other process pipes above 11.8 mPD including DO Pipes, Plant Service Water Pipes, Air Pipe	31	02-Jan-25	10-Feb-25	-269			PST Stage 1 - GLH
TALPST-5670 PST Stage 1	• •							
	1 - Electrical Works - Cable Containment h stalla fon -LVSB@W to Equipment	27	24-Oct-24 A	17-Dec-24	-253		PST Stage 1 - Electrical Works - Cable Containment h stalla ton - LVS	
	1 - Electrical Works - Local Control Panel Installation 1 - Electrical Works - Cabling Works	24 24	18-Dec-24 18-Dec-24	17-Jan-25 17-Jan-25	-252			Electrical Works-Local Control Pane Installatic Electrical Works-Cabling Works
ATALPST-5690 PST Stage 1	1 - Electrical Works-Termination Works	24	18-Dec-24	17-Jan-25	-252			Electrical Works-Termination Works
	Works (PST 1-3, Inlet/Outlet Channel & Pump Room)							
	1 - SCADA - Cable Containment Installation - LVSB@IW to Equipment 1 - SCADA - Instrument Installation & Inspection	38 36	24-Oct-24 A 27-Dec-24	25-Dec-24 11-Feb-25	-276		PST Stage 1 - SCADA - Cable Containment Installation	- LVSB@W to Equipment PST Stage 1 - SC
•	1-SCADA-Institutient installation of inspection	35	27-Dec-24	10-Feb-25	-275			PST Stage 1 - SCA
	1 - SCADA - Termination Works	35	27-Dec-24	10-Feb-25	-275			PST Stage 1 - SCA
T Stage 1 - BS Works (PST1-3, Inlet/Outle								
	1 - MVAC Works	80 80	04-Feb-25 04-Feb-25	14-May-25	266 266			
	1 - ELV Works 1 - P&D Works	80	04-Feb-25 04-Feb-25	14-May-25 14-May-25	-318	<u> </u>		
ALPST-5780 PST Stage 1	1 - EL Works	80	04-Feb-25	14-May-25	-318			
ALPST-5790 PST Stage 1	1 - FS. Works	80	04-Feb-25	14-May-25	-318			
「Stage 1 - T&C Works T Stage 1 - T&C Works (PST1-3, Inlet/O	Dutlet Channel & Pumn Room)							
nase 1 - PST 1-3 Sub-System Physical D								
	1 - SCADA- VO PointTest(notrequired for interim scheme T&C)	47	18-Dec-24	17-Feb-25	-275			PSTS
	1 - Electrical - Megger Test	9	08-Jan-25	17-Jan-25	-252		PST Stage 1-E	Electrical - MeggerTest
TALPST-5830 PST Stage 1 al Works - Inlet Work and Primary Stage 1	1 - Energization	4	27-Jan-25	03-Feb-25	-263		······	PS1 Stage 1 - Energization
ial Works - Inlet Work and Primary : F External Works - Zone A (Transformer								
je 1 (KD3)								
	imeter - Temp. HV/LV/ELV/FS cable drawpits (5nos.)*for KD3	30	02-Dec-24*	08-Jan-25	-294		· · · · · · · · · · · · · · · · · · ·	V/ELV/FS cable drawpits (5nos.)*for KD 3
	imeter - Temp. HV/LV/ELV/FS cable du din gs*forKD3 imeter - Cabling works from DSD11kV to Tx1 *for KD3	12 6	02-Jan-25 16-Jan-25	15-Jan-25 22-Jan-25	-294			<ul> <li>Temp. HV/LV/ELV/FS cable duitings*forKD</li> <li>TPerimeter - Cabling works from DSD11kV to</li> </ul>
	imeter - Cabling works from DSD FrkV to TXT for KD3 imeter - Watermain between Master Meter Room and IW (ELS=3d,pipe laying=4d,testing=2d,backfill=3d) *f	12	06-Feb-25	19-Feb-25	-294	1-1		W
T External Works - Roadworks								
	imeter - Road pavement for Temp phase OP EVA after Zone A-B backfilled	6	20-Feb-25	26-Feb-25	-246			
e Dewatering Building (SDB)								
Foundation & ELS Foundation - PST 1-4 Footprint								
B Foundation - Driven H-Pile								
B-1180 SDB - H-pile:	es Testing	14	22-Oct-24 A	16-Nov-24 A		SDB - H-piles Testing		·····
B-1910 SDB - Driven	en H-piles demobilize	5	22-Oct-24 A			SDB - Driven H-piles demobilize		
Foundation - ELS								
B Foundation - ELS Stage 1 DB Foundation - ELS Stage 1 (S1 to S2)								
Paul Y		Con	itract	DC/	2019	)/10 - YLEPP - M		oject ID : DWPr44_241209 ayout : DC201910 MPR49-3
保華-中國中鐵聯營 Paul ycrec Joint ventu	Actual Work						•	age 5 of 8

	53	Aprii 54	55
	02 09 16 23	30 06 13	20 27 04
g	e tank, 2nd batch FRP pipe)*		
ŧlį	stallation (Activated carbon filer 1A&1B, air extractio	n fans&dehumidfier,3rd&4th batch FRP	pipe)*
	W - DOU Equipment Installation (irrigation and nu	trient dosing pumps and pipeworks)*	
4			·····
- 1			
qų	ipment* Control Panel Installation *		
al	Control Panel Installation *		
alla	tion of Termination Box*		
g	er Testand Termination Works*		
	IW - Instrument & SCADA - Ca	ole Contain ment Installation & Cabling W	/orks - PLC Panel to Equipmer
- 1	IVV-In W-In	strument & SCADA - Instrument Instal atic strument & SCADA - Termination Works	on & inspection
		strument & SCADA - Installation of GUI, F	QEMS, DEMS, CMOS, Syster
			·····
1			
Q	(ph2)-Fine Screening System *		
M	/ - T&C (ph2) - GritRemoval System *		
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	5d)at+11.8/+18.15mPD		
+	1.8/+18.15mPD		]
e¢	ling) at +11.8/+18.15mPD		
r¢	oating:3coats) at +11.8/+18.15mPD		
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0	/e 11.8mPD including DO Pipes, PlantService Wat	er Pipes, Air Pipe	
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)	ncluding DO Pipes, Plant Service Water Pipes, Air P	pe	
ne'	process pipes above 11.8 mPD including DO Pipe	s, Plant Service Water Pines Air Pine	
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	ument Installation & Inspection		
	ng Works		
ni	nation Works		
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c	ADA- I/O Point Test (not required for interim scheme	T&C)	
j			
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	03		
m	eter - Watermain between Master Meter Room and	vv (ELS=3d,pipe laying=4d,testing=2d,ba	ackfill=3d)*for KD3
M	//PST Perimeter - Road pavement for Temp phase	DPEVAafterZoneA-Bbackfilled	
j			
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	Manth	Prograss Papart 214	
		Progress Report - 3M	
)	Date	Revision Check	ked Approved
	30-Nov-24 Rev.		
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	Activity Name	Orig Early S Dur	tart Early Fin	sh   Total Flo	49	De cember 50	January 51	February 52	March 53		April 54	
SDB-1185	SDB - ELS Stage 1 - Lower Formation for Sheetpiling	9 18-Nov	24 A 07-Dec-	24 -105	4 <del>3</del> 7 03 10 17 24	01 08 15 22 0 SDB-ELS Stage 1 - Lower Formation	29 05 12 19 26 or Sheetpiling	02 09 16 23	02 09 16	23 30 06	13 20	27
SDB-1185 SDB-1190	SDB - ELS Stage 1 - Lower Formation for Sneetpilling SDB - ELS Stage 1 - Sheetpiles (4,800m2,28m2/d/ig,3rigs)	9 18-Nov 60 09-Dec						SDB-E	LS Stage 1 - Sheetpiles (4,800m2, 28m2	/d/rig,3rigs)		
SDB-1195	SDB - ELS Stage 1 - Steel Working Platform	48 04-Feb	-25 31-Mar-	25 -105							ge 1 - Steel Working Platfor	m
SDB-1610	SDB - ELS Stage 1 - Monitoring and pumping installation	24 10-Feb	-25 08-Mar-	-105					SDB - ELS Stage 1 - Mo	nitoring and pumping installatio	n	
DB Foundation - ELS St ELS Stage 2B West (Pu	-											
SDB-2330	SDB - ELS Stage 2B - Sheetpiles (1,220m2, 24m2/d/ig, 2rigs)	28 03-Feb	-25 06-Mar-	25 -87					SDB - ELS Stage 2B - Shee	tpiles (1,220m2, 24m2/d/rig, 2ri	gs)	
LS Stage 2C South												
SDB-2200	SDB - ELS Stage 2C - Sheetpiles (340m2, 1rig) mobilize after existing Detritor Phase 1 diversion works	8 21-Feb	-25 01-Mar-	-100					SDB - ELS Stage 2C - Sheetpiles (34	40m2, 1 rig) mobilize after existin	g Detritor Phase 1 diversior	n works
ification of existing Deta B-6450	SDB - Modification of existing Detritor - Design and method statement submission(14d), reviw and approval (21d)	35 07-Oct-	24 A 02-Dec-	24 -100		SDB - Modification of existing Detritor - Design a	nd method statement submission(14d), reviw and app	roval (21d)				
B-6360	SDB - Modification of existing Detritor - Site clearance, Trial pit and UU diversion	12 03-Dec					xisting Detritor - Site clearance, Trial pit and UU diversion					
B-6370	SDB - Modification of existing Detritor - Construct diversion chambers (3nos.)	30 17-Dec	-24 23-Jan-	-100			SDB-Mo	dification of existing Detritor - Construct diversion ch	nambers (3nos.)			
B-6380	SDB-Modification of existing Detritor - Install concrete pipes (1250dia.) w/ concrete surround & Testing and ba dkfill	18 17-Jan							Detritor - Install concrete pipes (1250dia.)		and backfill	
B-6390 B-6400	SDB-Modification of existing Detritor-Divertsewage to new chambers and pipes (Phaes 1)	3 11-Feb							visting Detritor - Divert sewage to new char ification of existing Detritor - Demolish exis			
nal Works	SDB - Modification of existing Detritor - Demolish existing Zone 1 diversion chamber	6 14-Feb	-25 20-Feb-	25 -100					incatori of existing Detrior Demolishexis			
Meter Cabinet												
r Meter Cabinet - Struc	cture											
-1740	Master Meter Cabinet - Site clearance and excavation	7 10-Dec					-Site clearance and excavation		1			
-1750	Master Meter Cabinet - Plate Load Test	8 18-Dec				M	aster Meter Cabinet - Plate Load Test		(			
P-1130 P-1360	Master Meter Cabinet - Structure (base slab=12d,wall&roof=12d) Master Meter Cabinet - ABWF & B S (concrete strength, formwork,de fect=14d,ABWF=10d BS=6d)	24 30-Dec 30 28-Jan				-	Ma	ster Meter Cabinet-Structure (base slab=12d,walk		/F&BS(concrete strength,form	work de fect=14d ABWE=1	Od BS=6d
-1300	Master Meter Cabinet - ABVV - ABS(Concrete sterright, for two kpered - 140, ABVV - 100, BS-00) Master Meter Cabinet - E&M	30 28-Jan 30 28-Jan							Master Meter Cabinet - E&M			30,55-00
way Across Tai Tsen												
1720	Wa kwa y - Pred ril (1n os. MA-PD4) addition al	12 02-Dec	-24 14-Dec-	24 437		Wakway-Predrill (1 nos. N	k,-PD4)additional					
-1730	Wakway-Predril (1nos.MA-PD5) additional	12 16-Dec	-24 31-Dec-	24 437			Walkway-Prednil (1nos. MA-PD5) addition al					
2 Construction												
	or & Auxillary Facility (MBR and AF)											
and AF Structure												
-ELS Excavation & D R - ELS Zone A	Jennyikun alaye 2				1							
cavation and Demolitic	on				1	1	1					
BRAF-3940	MBR -Zone A-Reinstate dewatering wells and Pumping test (dewater to -10mPD)	14 23-Sep-	24 A 06-Dec-	24 -292		MBR - Zone A - Reinstate dewatering we	lls and Pumping test (dewater to -10mPD)					
BRAF-1690	MBR -Zone A- ELS Excavation (-4.15 to -8.3mPD)(9100m3)(3-4 excavators, 500m3/d)*MD	17 02-Oct-					-8.3mPD)(9100m3)(3-4 excavators, 500m3/d)*MD					
BRAF-1700	MBR -Zone A-StrutInstallation S5 (-7.8mPD)(1 crane, 8welders, 24bn/d)	12 31-Oct-					5 (-7.8mPD)(1 crane, 8welders, 24ton/d)					
BRAF-3510 BRAF-1710	MBR - Zone A- Preloading Strut S5 (5 cycles, 5 struts/cycle/day) MBR - Zone A- ELS Excavation (-8.3 to -9.3mPD)(3510m3)(3-4 excavators, 500m3/d)	3 11-Dec 7 14-Dec			+		Strut S5 (5 cycles, 5 struts/cycle/day) ELS Excavation (-8.3 to -9.3mPD)(3510m3)(3-4 exc	avators, 500m3/d)				
BRAF-4070	MBR - Zone A - Plate Load Test PLT-2 (-9mPD)(1no.)	10 23-Dec					MBR - Zone A - Plate Load Test PLT-2 (-					
BRAF-4150	MBR - Zone A - Construct Blinding at -9.0mPD (-9.3 to -9.0mPD) (3 pours)	6 07-Jan					MBR - Zone A - Construct E	linding at-9.0mPD (-9.3 to -9.0mPD) (3 pours)				
R - ELS Zone B												
cavation		11 00 1				MPD Zono P. Doingtoto dour	tering wells and Pumping test (dewater to -10mPD)					
BRAF-3920 BRAF-3700	MBR - Zone B - Reinstate dewatering wells and Pumping test(dewater to -10mPD) MBR - Zone B - Toe grout for 323 pipe pile (BG)	14 23-Aug- 10 30-Sep-			pipe pile (BG)	WDR - Zone B - Reinstale dewa	lening weis and Fumping lest(dewaler b-10mFD)					
BRAF-3310	MBR - Zone B - ELS Excavation (-4.15 to -8.3mPD)(9100m3)(3-4 excavators, 500m3/d) *MD	13 28-Oct-			596950	MBR - Zone B - ELS Excavation (-4.15 to	-8.3mPD)(9100m3)(3-4 excavators, 500m3/d) *MD					
BRAF-3590	MBR - Zone B - Preloading Strut S4 (5 cycles, 5 struts/cycle/day)	3 29-Oct-	24 A 31-Oct-2	1A	MBR - Zone B - Preloading Strut S4 (5 cycles, 5	struts/cycle/day)						
/IBRAF-3320	MBR - Zone B - Strut Installation S5 (-7.8mPD)(1 crane, 8welders, 24ton/d)	12 11-Nov-					n S5 (-7.8mPD)(1 crane, 8welders, 24ton/d)					
/BRAF-3600	MBR - Zone B - Preloading Strut S5 (5 cycles, 5 struts/cycle/day)	3 13-Dec 7 17-Dec					ding Strut S5 (5 cycles, 5 struts/cycle/day) one B - ELS Excavation (-8.3 to -9.3mPD)(3510m3)(3-	A bycavators 500m3(d)				
MBRAF-3330 MBRAF-4180	MBR - Zone B - ELS Excavation (-8.3 to -9.3mPD)(3510m3)(3-4 excavators,500m3/d) MBR - Zone B - Construct Blinding at -9.0mPD (-9.3 to -9.0mPD) (3 pours)	7 17-Dec 6 27-Dec					MBR - Zone B - Construct Blinding at -9.0mP					
BR - ELS Zone C	······											
xcavation												
MBRAF-3900	MBR - Zone C - Reinstate dewatering wells and Pumping test (dewater to -10mPD)	14 01-Oct-				MBR - Zone C - Reinstate dewatering wells ar	d Pumping test (dewater to -10mPD)					
MBRAF-3690 MBRAF-4030	MBR - Zone C - Toe groutfor323 pipe pile (CG1) MBR - Zone C - Plate Load TestPLT-1 (-9mPD)(1no.)	16 11-Oct- 10 28-Oct-			Toe groutfor 323 pipe pile (C G1) MBR - Zone C - Plate Load TestPLT-1 (-9mP							
MBRAF-4040	MBR -Zone C - Toe grout for 323 pipe pile (C G2)		24 A 02-Nov-2			ne C - Toe groutfor 323 pipe pile (CG2)						
MBRAF-3640	MBR - Zone C - Preloading Strut S5 (5 cycles, 5 struts/cycle/day)	3 28-Nov				MBR - Zone C - Preloading Strut S5 (5 cycles, 5	struts/cycle/day)					
MBRAF-3230	MBR - Zone C - ELS Excavation (-8.3 to -9.3mPD) (2400m3)(3-4 excavators, 500m3/d)	7 04-Dec					(-8.3 to -9.3mPD) (2400m3)(3-4 excavators, 500m3/					
/BRAF-4140	MBR - Zone C - ConstructBlinding at -9.0mPD (-9.3 to -9.0mPD) (3 pours)	8 12-Dec	-24 20-Dec-	-204		MBR - Zone C -	Construct Blinding at -9.0mPD (-9.3 to -9.0mPD) (3 pc	uls)				
R - ELS of Central C 3R - ELS of Central Cor												
BRAF-1740	MBR -Zone D1 - Strut Installation S6 (S6H,S6I,S6J,S6K) (-10.0mPD)	8 13-Jan	-25 21-Jan-	-269			MBR - Zone	01 - Strut Installation S6 (S6H,S6I,S6J,S6K) (-10.0r	mPD)			
BRAF-1750	MBR - Zone D1 - ELS Excavation (-10.0 to -13.7mPD)	6 22-Jan				-		IBR - Zone D1 - ELS Excavation (-10.0 to -13.7mP				
BRAF-4160	MBR - Zone D1 - Blinding and waterproofing	4 01-Feb						MBR - Zone D1 - Blinding and water	pipofing			
3RAF-3760	MBR -Zone D1 - Construct partial base slab (-13.55 to -9.5mPD)	12 06-Feb	-25 19-Feb-	-269				MBR - Zone	D1 - Constructpartial base slab (-13.55 to	-9.5mPD)		
R - ELS of Central Cor	rridor (Middle) MBR - Pumping test (Stage 2) dewater to -13.7mPD	7 07 0	24 04 1-	-300			MBR - Pumping test (Stage 2) dewater to -1	37mPD				
RAF-2370 RAF-1730	MBR - Pumping test (Stage 2) dewater to -13./mPD MBR - Zone D1&2&3 - ELS Excavation (-9.0 to -10.55mPD)	7 27-Dec 6 06-Jan			1		MBR - Pumping test (Stage 2) dewater to -1					
BRAF-3720	MBR - Zone D2 - ELS Excavation (-10.6 to -13.7mPD)	7 13-Jan						2 -ELS Excavation (-10.6 to -13.7mPD)				
BRAF-3970	MBR -Zone D2 - Plate Load Test PLT-3 (-13.7mPD)	7 21-Jan		25 -300				1BR - Zone D2 - Plate Load Test PLT-3 (-13.7mPD				
RAF-4100	MBR -Zone D2 - Blinding and waterproofing	5 01-Feb						MBR - Zone D2 - Blinding and wate				
3RAF-3730 3RAF-3740	MBR - Zone D2 - Construct partial base slab (-13.55 to -11.5mPD) MBR - Zone D2 - Backfill slone and construct concrete blinding (-13.7 to -9.0mPD)	12 07-Feb 7 21-Feb						MBR - Zon	e D2 - Construct partial base slab (-13.55 MBR - Zone D2 - Backfill slope and co		to -9.0mPD\	
RAF-3740 RAF-3750	MBR - Zone D2 - Backfill slope and construct concrete blinding (-13.7 to -9.0mPD) MBR - Zone D2 - Strut Installation S6 (S6L,S6M,S6N,S6O,S6Q) (-10.1mPD)	7 21-Feb 7 21-Feb			1				MBR - Zone D2 - Strut Installation S6 (S			
ry Treatment Sys		2.7.0									·····	
oundation and ELS						-						
oundation and ELS St												
ELS												
-1300	TTS - ELS Excavation (-3.37 to -5mPD) (9,231m3)(3-4 excavators/WF, 2 WFs, 600m3/d/WF) *MD	8 08-Oct-	24 A 28-Nov-2	4 A		TTS - ELS Excavation (-3.37 to -5mPD) (9,231m3)(3-4	excavators/WF, 2 WFs, 600m3/d/WF) *MD	-+				
Formation Level	TTS - Local excavation of marine sediment (-5 to -6.3mPD, app. 920m3) *MD	6 16-Oct-	24 A 12-Dec-	24 -298		TTS - Local excavation of mar	ne sediment (-5 to -6.3mPD, app. 920m3) *MD	-+				
S-2210	TTS - Granular fill and 300mm thk concrete blinding (Stage 1, FC/FE/FF)	8 22-Oct-					and 300mm thk concrete blinding (Stage 1, FC/FE/FF	)				
3-2220	TTS - Granular fill, earth mat and 300mm thk concrete blinding (Stage 2, FG/FH)	12 13-Nov				TTS - Granular fill, earth matand 300mm thk concret	e blinding (Stage 2, FG/FH)					
-2090	TTS - Plate load test (1no.)(after backfill rockfill)	8 13-Dec				TTS - Plate loa	d test (1no.)(after backfill rockfill)					
-2230	TTS - Granular fill and 300mm thk concrete blinding (Stage 3, FAFB/FD)	8 23-Dec					TTS - Granular fill and 300mm thk concrete b TTS - Remove S4 (Zone D)	Inding (Stage 3, FA/FB/FD)				·
-2280 -1440	TTS - Remove S4 (Zone D) TTS - Remove S4 (Zone A)	6 24-Dec 6 04-Jan			1		TTS - Remove S4 (Zone D)					
-2260	TTS - Remove S4 (Zone B)	6 04-Jan				-	TTS - Remove S4 (Zone B)					
2270	TTS - Remove S4 (Zone C)	6 04-Jan					TTS - Remove S4 (Zone C)					
ructure												
bstructure			or									
380 240	TTS - BoxRaftFoundation (-5mPD to -3.42mPD) (Stage 1, FF/FG)	18 11-Jan 18 25-Jan						TTS - BoxRaftFoundation (-5mPD to -3	3/42mPD) (Stage 1, FF/FG) Foundation (-5mPD to -3.42mPD) (Stage	2 FH/FC)		
14U	TTS - BoxRaftFoundation (-5mPD to -3.42mPD) (Stage 2, FH/FC)	10 25-Jan	-25 18-Feb-	-298		E	<u>i</u>	TIS-BOXRan			<b>_</b>	
PaulV	Remaining Level of Ef	Cantur		1004		lain Marks for O	Proje	ct ID : DWPr44_241209	N	Ionthly Progress I	Report - 3MRP	-
raurr		contra	α να	/201	9/10 - YLEPP - N	iain works for S		ut : DC201910 MPR49-3MRP	Date	Revision	Checked	Ar
	Actual Work						•					+ *
	Remaining Work	Mon	thlv F	, vuu	ess Report No.	49- 3MRP (Nov	<b>74</b> ) Page	6 of 8	30-Nov-24	Rev. 0		⊥
			•••• <b>•</b> ••									
華-中國中	P鋷聯管體 Critical Remaining Work		-									

		Dur				49 7 03 10 17 24	50         51         52           01         08         15         22         29         05         12         19         26         02         09         16
TTS-2250 TTS-2255	TTS - BoxRaftFoundation (-5mPD to -3.42mPD) (Stage 3, FB/FD) TTS - BoxRaftFoundation (-5mPD to -3.42mPD) (Stage 4, FA/FE)	18	12-Feb-25 26-Feb-25	04-Mar-25 18-Mar-25	-298 -298		
ne 3 Construction		10	2010020	10 1001 20	200		
e 3 North Portion (Z3N	I)						
V Sudge Thickening Build 3 : Civil and Structural Work							
TB : Structure	3						
STB : Structure Zone A							
STB : Subrstructure Zone A		10	00.0+04.4	02 Nov 04 A		STD 7a	eA - Structure (+3.5 to +6mPD) Ground Floor @ +6.0mPD
Z3S3-6060 Z3S3-6150	STB - Zone A - Structure (+3.5 to +6mPD) Ground Floor @ +6.0mPD STB - Zone A - Waterproof, backfill and Remove remaining S2	12	08-Oct-24 A 10-Dec-24	23-Nov-24 A 14-Dec-24	-32	SIB-ZO	STB-Zone A-Waterproof, backfill and Remove remaining S2
STB : Superstructure Zone							
Z3S3-6090	STB - Zone A - Structure (+6.0 to +12.5mPD) First Floor @ +13.5mPD	10	25-Nov-24 A	09-Dec-24	-203		STB - Zone A - Structure (+6.0 to +12/5mPD) First Floor @ +13.5mPD
Z3S3-6190 Z3S3-6180	STB - Zone A - Structure (+12.5 to +13.5mPD) First Floor double slab @ +13.5mPD STB - Zone A - Structure (+13.5 to +18.3mPD) Roof Floor @ +18.3mPD	6	10-Dec-24 17-Dec-24	16-Dec-24 28-Dec-24	-203 -203		STB - Zone A - Structure (+12.5 tb +13.5mPD) First Floor double slab @ +13.5mPD STB - Zone A - Structure (+13.5 tb +18.3mPD) Roof Floor @ +18.3mPD
Z3S3-3000	STB - Zone A - Structure (+183 to +21.1mPD) and remaining structure	10	30-Dec-24	10-Jan-25	-116		STB-ZoneA-Structure (+18.3 to +21.1mPD) and remaining structure
STB : Structure Zone B							
STB : Subrstructure Zone B Z3S3-6290		12	04-Oct-24 A	22-Oct-24 A		B + Structure (+3.5 to +6mPD) Ground Floor @ +6.0m	n
Z3S3-6290 Z3S3-6300	STB - Zone B - Structure (+3.5 to +6mPD) Ground Floor @ +6.0mPD STB - Zone B - Waterproof, backfil and Remove remaining S2	5	31-Dec-24	06-Jan-25	-48		STB - Zone B - Waterproof, backfil and Remove remaining S2
STB : Superstructure Zone	В						
Z3S3-6250	STB - Zone B - Structure (+6.0 to +12.5mPD) First Floor @ +13.5mPD	18	28-Nov-24 A	20-Dec-24	-107		STB-Zone B-Structure (+6.0 to +12.5mPD) FirstFloor @ +13.5mPD
Z3S3-6260 STB : Structure Zone C	STB - Zone B - Structure (+12.5 to +13.5mPD) First Floor double slab @ +13.5mPD	6	21-Dec-24	30-Dec-24	-107		STB - Zone B - Structure (+12.5 to +13.5mPD) First Floor double slab @ +13.5mPD
STB : Superstructure Zone	c						
Z3S3-2710	STB - Zone C - Structure (+6.0 to +12.5/13.5mPD) First Floor @ +13.5mPD	10	09-Oct-24 A	26-Oct-24 A		- Zone C - Structure (+6.0 to +12.5/13.5mPD) First Floo	
Z3S3-2740 Z3S3-2720	STB - Zone C - Structure (+12.5/13.5 to +18.3mPD) Roof Floor @ +18.3mPD STB - Zone A+C - Construct concrete plinth for PV panel installation (48ncs, 10nos/day/gang, 1gang)	10	28-Oct-24 A 28-Nov-24 A	27-Nov-24 A 28-Dec-24	-203	S	B-Zone C - Structure (+12.5/13.5 to +18.3mPD) Roof Floor @ +18.3mPD STB-Zone A+C - Construct concrete plinth for PV panel installation (48nos, 10nos/day/gang
Z3S3-2720 Z3S3-2780	STB - Zone A+C - Construct concrete plin in for PV panel in salia for (4 on os, i un osiday/gang, i gang) STB - Zone C - Civil & Structural Works of Roof Floor & handover to PV 's contractor	0	20110V-24 A	28-Dec-24 28-Dec-24	-203		STB-ZoneC+C+Constant Concerned primition in the participation (Horizon, functionality) and the structural Works of Roof Floor & handover to PV's contractor
STB : Water Tightness Tes							
STB : Water Tightness Test 2		-	44 1	40 1 27	***		
Z3S3-6310 Z3S3-6320	STB - Zone A - Concrete gain strength (slab +6mPD) STB - Zone A - Remove formwork and concrete defect works for water test	7	11-Jan-25 20-Jan-25	18-Jan-25 27-Jan-25	-116 -116		STB - Zone A - Concrete gain strength (slab +6mPD) STB - Zone A - Remove formwork and c
Z3S3-6330	STB - Zone A - Water Tight. Test (water height=6.15m,plug=1d,fill=4d,absoption=7d,test=7d,remove=1d)	20	28-Jan-25	22-Feb-25	-116		
STB : Water Tightness Test 2	ione B					[	
Z3S3-6340	STB -Zone B - Concrete gain strength (slab +6mPD)	7	31-Dec-24 09-Jan-25	08-Jan-25	-107 -107		STB - Zone B - Concrete gain strength (slab +6mPD) STB - Zone B - Remove formwork and concrete defect work
Z3S3-6350 Z3S3-6360	STB - Zone B - Remove formwork and concrete defect works for water test STB - Zone B - Water Tight Test (water height=6.15m.plug=1d,fill=4d,absoption=7d,test=7d,remove=1d)	20	17-Jan-25	16-Jan-25 12-Feb-25	-107		STB-Zone
STB : Water Tightness Test 2							
Z3S3-5990	STB -Zone C - Concrete gain strength (slab +6mPD)	7	30-Dec-24	07-Jan-25	-106		STB -Zone C - Concrete gain strength (slab +6mPD)
Z3S3-6000 Z3S3-5200	STB - Zone C - Remove formwork and concrete defect works for water test STB - Zone C - Water Tight Test (water height=6.15m,plug=1d,fill=4d,absoption=7d,test=7d,remove=1d)	7 20	08-Jan-25 16-Jan-25	15-Jan-25 11-Feb-25	-106 -106		STB - Zone C - Remove formwork and concrete defect works
B:ABWF	010-2010 0 - Waler Hight Test (Waler Height=0.1011, plug=10, iiii=40, booption=10, est=10, of tovo=10)	20	10-0411-20	11-1 05-20	-100		
STB : ABWF (-1.5 to +6.0m	PD)						
Z3S3-5980	STB - Remove backprop and falsework for AB WF works (-1.5/+6mPD)	7	24-Feb-25	03-Mar-25	-116		
STB : ABWF (+6.0 to +18.3 Z3S3-6020	STB - Concrete gain strength (slab +13.5/+18.3mPD)	7	31-Dec-24	08-Jan-25	-81		STB - Concrete gain strength (slab +13.5/+18.3mPD)
Z3S3-6010	STB - Remove backprop and falsework for ABWF works (+6.0/+18.3mPD)	7	09-Jan-25	16-Jan-25	-81		STB - Remove backprop and falsework for ABWF works (+6
Z3S3-4540	STB - ABWFWorks (1stfix for E&M handover)@ above ground floor (+6.0/+18.3mPD)	24	17-Jan-25	17-Feb-25	-81		STE
STB : ABWF (above +18.3n Z3S3-4560	nPD roof) STB -ABWFWorks@roof (+18.0/+21.1mPD)	90	11-Jan-25	06-May-25	267		
ne 3 Middle Portion (Z3)		00	11 0011 20	00 110 20	201		
emolition							
xisting SDT 1-4							
SDT No.2 (Water) Z3S7-2130	Tanker-away scheme - Tank Emptying (return 200m3 per day to inlet)	24	02-Nov-24 A	21-Dec-24	-184		Tanker-away scheme - Tank Emptying (return 200m3 per day to inlet)
Z3S7-2135	Tanker-away scheme - Demolish Existing SDT2 (decommission+superstructure)	18	02-140V-24 A 08-Jan-25	21-Dec-24 28-Jan-25	-184		Tanker-away scheme - Demolish Exis
Z3S7-2030	Tanker-away scheme - Demolish Existing SDT2 (underground structure)	24	01-Feb-25	28-Feb-25	-195		
SDT No.4 (Sludge)					(65		
Z3S7-2170 Z3S7-2175	Tanker-away scheme - Tank Emptying (residue by pumping to SDT3) Tanker-away scheme - Demolish Existing SDT4 (decommission+superstructure)	60 18	12-Sep-24 A 14-Dec-24	13-Dec-24 07-Jan-25	-195 -195		Tanker-away scheme - Tank Emplying (residue by pumping to SDT3) Tanker-away scheme - Demolish Existing SDT4 (decommission+superstruc
Z3S7-2180	Tanker-away scheme - Demolish Existing SDT4 (underground structure)	24	08-Jan-25	07-6ah-25	-195		Tanker-away schem
	pressor House						
Z3S7-2190 Z3S7-2200	Tanker-away scheme - Puring and open tank top manhole (no remaining biogas)	5	22-Nov-24 A 28-Nov-24 A	27-Nov-24 A	-159	Ta	ker-away scheme - Puring and open tank top manholé (no remaining biogas) Tanker-away scheme - Tank Emplying by filler press (200m3 per day)
Z3S7-2200 Z3S7-2210	Tanker-away scheme - Tank Emptying by filter press (200m3 per day) Tanker-away scheme - Tank Emptying (residue by pumping)	18	28-Nov-24 A 23-Dec-24	21-Dec-24 02-Jan-25	-159	<u> </u>	Tanker-away scheme - Tank Emplying (residue by pumping)
2387-2220	Tanker-away scheme - UU Decommission	5	03-Jan-25	08-Jan-25	-159		Tanker-away scheme - UU Decommission
2387-2225	Tanker-away scheme - Demolish Existing SDT3 (decommission+superstructure)	18	22-Feb-25	14-Mar-25	-195		
SDT No.1 (Water) Z3S7-2240	Tanker-away scheme_Tank Emptying (return 20m2 per day to inlat)	60	12-Sep-24 A	07-Dec-24	-161		Tanker-away scheme - Tank Emptying (return 30m3 per day to inlet)
Z3S7-2240 Z3S7-2250	Tanker-away scheme - Tank Emptying (return 30m3 per day to inlet) Tanker-away scheme - Tank Emptying (return 230m3 per day to inlet)	7	09-Dec-24 A	16-Dec-24	-161		Tanker-away scheme - Tank Emplying (return 2010) per day to inite()
Z3S7-2255	Tanker-away scheme - Demolish Existing SDT1 (decommission+superstructure)	18	01-Feb-25	21-Feb-25	-195		
Z3S7-2260	Tanker-away scheme - Demolish Existing SDT1 (underground structure)	24	22-Feb-25	21-Mar-25	-195		
ne 3 South Portion (Z3S molition							
S4-2000	Demolish Gas Holder GH2 (12)	24	02-Dec-24*	31-Dec-24	268		Demolish Gas Holder GH2 (12)
S4-2010	Demolish Temporary Sludge Holding Tank (200m3)	24	02-Dec-24	31-Dec-24	268		Demolish Temporary Sludge Holding Tank (200m3)
dge Digestor No. 1-3 (SD	1-3)						
1-3 : Foundation and ELS	nit Installation						
D1-3 : Excavation and St SD1-3 : ELS	iul instanation						
Z3S3-5750	Sludge Digester No. 1-3 - Preloading Strut S4 (-2.7mPD)(4 cycle, 5 struts/cycle/day, 16 struts)	5	14-Oct-24 A	18-Oct-24 A		o.1-3 - Preloading Strut S4 (-2.7mPD)(4 cycle, 5 struts	vole/day, 16 struts)
Z3S3-2240	Sludge Digester No. 1-3 - ELS Excavation (-3.2 to -5.5mPD, 5640m3 @ 500m3/d)	12	17-Oct-24 A	31-Oct-24 A		Sludge Digester No. 1-3 - ELS Excavation (-3.2 to	
Z3S3-3600	Sludge Digester No. 1-3 - Strut Installation S5 (-5.0mPD)	18	25-Oct-24 A	26-Nov-24 A		Sluc	ge Digester No. 1-3 - Struttinstallation S5 (-50mPD)
Z3S3-5760 Z3S3-3610	Sludge Digester No. 1-3 - Preloading Strut S5 (-5.0mPD)(4 cycle, 5 struts/cycle/day, 16 struts) Sludge Digester No. 1-3 - ELS Excavation (-5.5 to -7.5mPD, 4904m3 @ 500m3/d)	5	25-Nov-24 A 27-Nov-24 A	28-Nov-24 A 07-Dec-24	-154		ludge Digester No. 1-3 - Preloading StrutS5 (-5.0mPD)(4 cycle, 5 struts/cycle/day, 16 struts) Sludge Digester No. 1-3 - ELS Excavation (-5.5 to -7 5mPD, 4904m3 @ 500m3/d)
Z3S3-3620	Sludge Digester No. 1-3 - Strut Installation S6 (-7mPD)	24	05-Dec-24	04-Jan-25	-154		Sludge Digester No. 1-3 - Strut Installation S6 (-7mPD)
Z3S3-5770	Sludge Digester No. 1-3 - Preloading Strut S6 (-7mPD)(4 cycle, 5 struts/cycle/day, 16 struts)	5	03-Jan-25	08-Jan-25	-154		Sludge Digester No. 1-3 - Preloading \$trutS6 (-7mPD)(4 cycle, 5 struts/cy
	Sludge Digester No. 1-3 - ELS Excavation (-7.5 to -9.0mPD, 3678m3 @ 500m3/d)	8	07-Jan-25	15-Jan-25	-154		Sludge Digester No. 1-3 - ELS Excavation (-7.5 to -9.0mPD, 3
Z3S3-3630							
Z3S3-3630 SD1-3 : Formation Level Z3S3-5070	Sludge Digester No. 1-3 - Plate Load TestSD-PLT1, SD-PLT-2 & SD-PLT3 (3nos, 3 sets)	8	16-Jan-25	24-Jan-25	-154		Sludge Digester No. 1-3 - Plate Load TestSD



 Remaining Level of Ef... Actual Work Remaining Work Critical Remaining Work Milestone

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		March 53			A	pril 54 13 20		May 55
-	02	09	16	23	30 06 PD) (Stage 3, FB/FD) lation (-5mPD to -3.42mF	13 20	27	04
-	TTS	-BoxRattFound	ation (-5mPl	0 10 -3.42m	-U) (Stage 3, FB/FD)	D)(Stage / EA EE)		
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ec	works for wat	tertest						
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jhi	Test(waterho	eight=6.15m,plue	g=1d,fill=4d,a	absoption=7	d,test=7d,remove=1d)			
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st it 1	lest (water hei	iaht=6.15m plua:	=1d fill=4d at	sontion=7d	l,test=7d,remove=1d)			
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	STB-I	Remove backpro	op and falsev	work for AB	WF works (-1.5/+6mPD)			
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PD	)							
or	) ks (1stfixfor E	&Mhandover)@	) above grou	ind floor (+6	.0/+18.3mPD)			
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lec	ommission+	superstructure)		0070	lerground structure)			
-	Tanker-awa	ly scheme - Den	iolish Existing	15D12 (und	erground structure)			
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ЪĘ	xisting SDT4	(underground st	ructure)					
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		Tan	ker-away sch	neme - Den	olish Existing SDT3 (dec	ommission+supers	ructure	
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w	ayscheme - [	Demolish Existing						
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vity ID	Activity Name	Orig	Early Start	Early Finish	Total Float		Noven	nber			Decer	mber			Ja	anuary				February				March	n			April		M
· ·		Dur					49	)			5	0				51				52				53				54		5
						7 03	10	17	24	01	08	15	22 2	29	05 1	2	19 20		2 Church							23	30 06	13	20	27
Z3S3-5580	Sludge Digester No. 1-3 - Concrete blinding (back-prop) gain strength	4	04-Feb-25	07-Feb-25	-154														Siudę	geDigeste	rNo. 1-3 - Co		inding (back-pi							
Z3S3-5590	Sludge Digester No. 1-3 - Remove S6 and S5	14	08-Feb-25	24-Feb-25	-154																	Sludge	Digester No. 1	3-Remove	S6 and S5					
SD1-3 : Civil and Structural	Works																													
SD1+2 : Structure																														
Z3S3-2270	Sludge Digester No. 1+2 - Structure (Base slab) (-8.9 to -6.8mPD)	24	25-Feb-25	24-Mar-25	-154																	_				Sludge D	gester No. 1+2 -	Structure (Base	slab)(-8.9 to -6	.8mPD)
Biogas Holder No. 1 (BH1																														
BH1 : E&M Installation	,																													
ATALZ3BH-1010	BH No. 1 - Installation of pipework and instrumentation in Biogas Holder Valve Chamber No.4	52	26-Jun-24A	05-Dec-24	226				·····	BH	No.1-Install	ation of pipew	ork and instru	mentation i	n Biogas Hold	ler Valve C	namber No.4													
ATALZ3BH-1020	BH No. 1 - Instrumentation	30	08-Jul-24A	05-Dec-24	226					BH	No. 1 - Instrur	mentation																		
ATALZ3BH-1030	BH No. 1 - Installation of Biogas Booster Pump No.1 & 2	30	08-Jul-24A	05-Dec-24	226					BH	No.1-Install	ation of Bioga	is Booster Pur	mp No.1 & 2	2															
ATALZ3BH-1040	BH No. 1 - Electrical works (Cable wiring, termination, lightning arrestor)(To alt power source until LVSB@STB energiz)	18	08-Jul-24A	05-Dec-24	226					BH	No.1-Electri	ical works (Ca	ble wiring, tert	mination, lig	htning arresto	or)(To alt po	ver source un	il LVSB@S	TB energiz)	)										
ATALZ3BH-2485	BH No. 1 - Disk assembly inside tank, raise disk, painting on both side	18	15-Jul-24A	05-Dec-24	186					BH	No.1-Diska	assembly insid	le tank, raise c	disk, paintin	g on both side	·····														
ATALZ3BH-2495	BH No. 1 - Membrane fixing and wooden planks Installation	21	06-Dec-24	02-Jan-25	186									BH No	o.1 - Membrai	ne fixing an	wooden plar	nks Installati	on											
ATALZ3BH-2505	BH No. 1 - Installation of tank accessories (telescopic guide, staricase, safety valve, sensors) and touch-up paint	15	03-Jan-25	20-Jan-25	186												BH No. 1 - Ins	tallation of t	ank accesso	ories (teleso	copic guide,	staricașe	safety valve, se	nsors) and	touch-up pa	int				
ATALZ3BH-2515	BH No. 1 - Specialistinspection on structure and membrane	4	21-Jan-25	24-Jan-25	186	1											BHNo	.1 Specia	listinspectio	on on struct	ure and men	mbrane								
BH1 : Testing & Commissio	ning																													
ATALZ3BH-2070	BH No. 1 - T&C - E&MSAT of Biogas Holder No.1 (using Air to test membrane only)	15	25-Jan-25	14-Feb-25	186															BH	No.1-T&C	-E&MSA	T of Biogas Ho	der No.1 (u	ising Air to te	stmembran	only)			
ATALZ3BH-2090	BH No. 1 - T&C - E&M SAT of whole Biogas Holder No.1 and associated valve and pipework (N2 Purging)	20	25-Jan-25	20-Feb-25	186																		-E&MSAT of	whole Bioga	as Holder No	o.1 and asso	ciated valve and	pipework (N2 F	Purging)	
ATALZ3BH-2100	BH No. 1 - T&C - E&MSAT of Biogas Booster Pump No.1 & 2	20	25-Jan-25	20-Feb-25	186																BH N	lo.1-T&	-E&MSAT of	Biogas Boo	ster Pump N	No.1 & 2				
ATALZ3BH-1050	BH No. 1 - Early System Commissioning without H2S Removal System	30	21-Feb-25	22-Mar-25	228																				B	BH No. 1 - Ea	rly System Com	nissioning with	outH2S Remov	val System
BH1 : Diversion Works																														
Z3S7-2070	BH No. 1 - Temporary system and associated pipeworks for early commissioning of BH1	30	14-Jan-25	20-Feb-25	186	· · · · · · · · · · · · · · · · · · ·															BH N	lo.1-Ten	porarysystem	andassocia	ated pipewor	rksforearlyd	ommissioning o	BH1		



 Remaining Level of Ef... Actual Work Remaining Work Critical Remaining Work Milestone

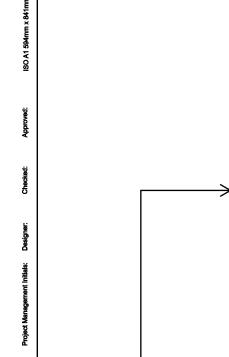
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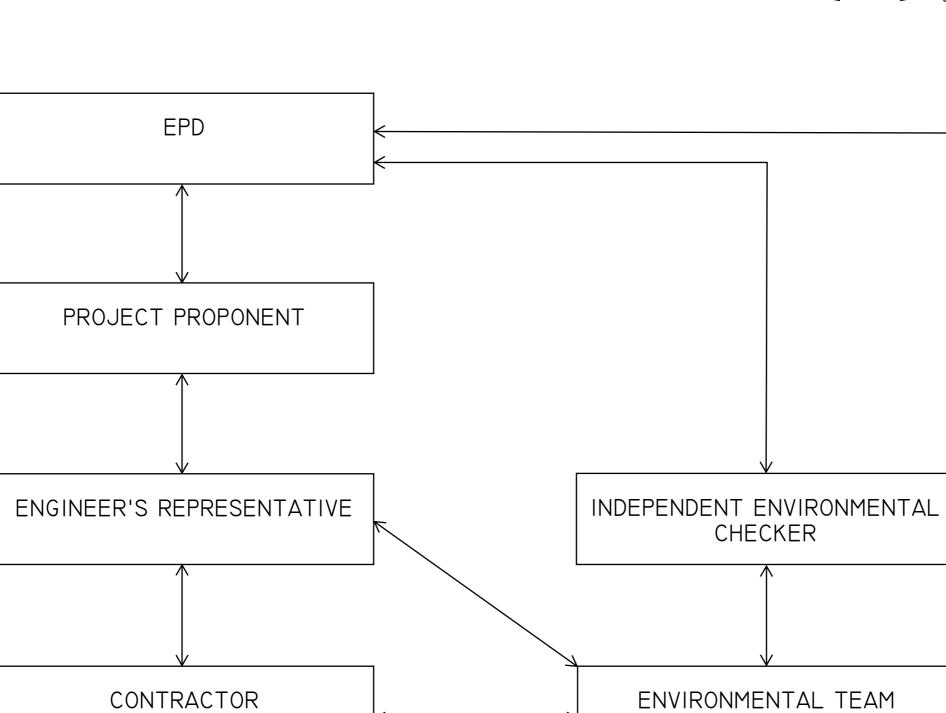
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	Mo	onthly Progress Repo	ort - 3MRP	
•	Date	Revision	Checked	Approved
	30-Nov-24	Rev. 0		

Appendix B Project Organization Chart





### LINE OF COMMUNICATION

LEGEND:



# PROJECT <sup>東目</sup>

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

# CLIENT



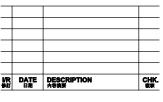
築務署 Drainage Services Departm

### CONSULTANT 工程網開公司

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
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CALE	DIMENSIO
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KEY PLAN ★헤르

PROJECT NO. CE 3/2015 (DS)

CONTRACT NO.

60505476

SHEET TITLE

PROJECT ORGANISATION

SHEET NUMBER

Appendix C Action and Limit Levels

### Action and Limit Levels for Air Quality

Parameters	Action Level	Limit Level
1-hour TSP Level in μg/m³	<sup>1</sup> For baseline level $\leq$ 384 µg/m <sup>3</sup> , Action level = (baseline level * 1.3 + Limit level)/2; For baseline level > 384 µg/m <sup>3</sup> , Action level = Limit level	500 µg/m <sup>3</sup>

Notes:

1. The Action Level for 1-hour TSP Level:

a) AM1 =  $(63^{*}1.3 + 500) / 2 = 291 \mu g/m^{3}$ ;

b) AM2 = (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 Water Quality Monitoring									
DO in mg/L (Surface, Middle & Bottom) <sup>2</sup>	Surface & Middle 5%-ile of baseline data for surface and middle layer. Bottom 5%-ile of baseline data for bottom layer.	Surface & Middle 4 mg/L or 1%-ile of baseline data for surface and middle 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:	uay	-							

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			
	Abundance of species with conservation importance only	Significant decline <sup>1,2</sup> in any of these parameters during the current monitoring	Significant decline in any of these parameters for three consecutive months.	
	Species diversity of species with conservation importance only			
	Abundance of all avifauna species (including but not only limited to overwintering waterbirds) in the community	month 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 Certificates/ Reports of Monitoring Equipment

Air Quality Monitoring Equipment



#### Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

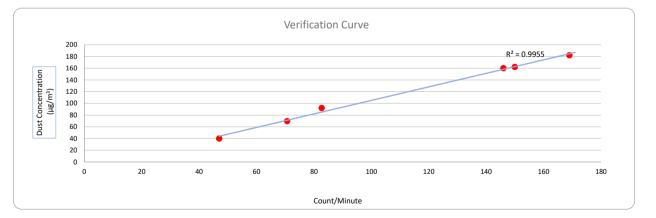
Verification Test Date:	19-Mar-24	to	24-Mar-24		Next Verification Test Date:	19-Mar-25
 Init-under-Test- Model No.:		Sibata LD-5R		-		
Unit-under-Test Serial No.:		882106		-		
Our Report Refrence No.:	F	PT-24-HVS-0067		-		
Calibration Location:			E	Emax		

	Standard Equipment Informat	tion
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1049	3465
Last Calibration Date:	19-Mar-24	15-Jan-24
Next Calibration Date:	2-Apr-24	15-Jan-25

	Equipement Vertification Result							
Verification		Duration			Results from	Calibrated Equipement	Results from Standard Equipment	
Test No. Date		Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (µg/m³) y-axis	
1	19/03/2024	7953.66	7956.66	180.00	27000	150	162	
2	19/03/2024	7956.66	7959.66	180.00	26280	146	160	
3	19/03/2024	7959.66	7962.66	180.00	30420	169	182	
4	24/03/2024	7985.12	7988.12	180.00	8460	47	40	
5	24/03/2024	7988.12	7991.12	180.00	14886	83	92	
6	24/03/2024	7991.12	7994.12	180.00	12726	71	70	

#### Linear Regression of y on x

Slope, K factor:	<u>1.1537</u>	Intercept:	-10.3266	*Correlation Coefficient,R:	<u>0.9977</u>
Verification Test Result:	Strong Correlation, Results were accepted.			* If the Correlation Coefficient, R is <0.5. Chee	king and Re-verification are required.



Operated By:

Checked By:

Andy Li Project Technician, Environmental

29-03-2024 Date:

Tandy Tse

Senior Consultant, Environmental

Date:



#### Sibata LD-5R K-Factor Verification Test by Total Suspended Particulates HVS Test Report

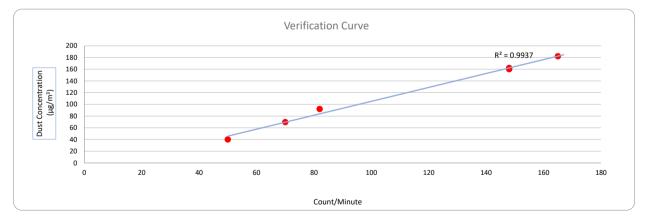
Verification Test Date:	19-Mar-24	to	24-Mar-24		Next Verification Test Date:	19-Mar-25
nit-under-Test- Model No.:		Sibata LD-5R		-		
Unit-under-Test Serial No.:		882107		-		
Our Report Refrence No.:	F	PT-24-HVS-0072		-		
Calibration Location:			E	Emax		

	Standard Equipment Informat	tion
Verification Equipment Type:	Tisch TSP HVS	Tisch HVS Calibrator
Standard Equipment Model No.:	TE-5170X	TE-5025A
Equipment serial no.:	1049	3465
Last Calibration Date:	19-Mar-24	15-Jan-24
Next Calibration Date:	2-Apr-24	15-Jan-25

	Equipement Vertification Result							
Verification		Duration			Results from	Calibrated Equipement	Results from Standard Equipment	
Test No.	Date	Start-time	End-time	Elapsed Time (in min)	Total Counts	Counts/ Minute x-axis	Dust Concentration (µg/m³) y-axis	
1	19/03/2024	7953.66	7956.66	180.00	26640	148	162	
2	19/03/2024	7956.66	7959.66	180.00	26640	148	160	
3	19/03/2024	7959.66	7962.66	180.00	29700	165	182	
4	24/03/2024	7985.12	7988.12	180.00	9000	50	40	
5	24/03/2024	7988.12	7991.12	180.00	14760	82	92	
6	24/03/2024	7991.12	7994.12	180.00	12600	70	70	

#### Linear Regression of y on x

Slope, K factor:	<u>1.1878</u>	Intercept:	-13.6322	*Correlation Coefficient,R:	<u>0.9969</u>
Verification Test Result:	Strong Correlation, Results were accepted.			* If the Correlation Coefficient, R is <0.5. Cher	cking and Re-verification are required.



Operated By:

Checked By:

Andy Li Project Technician, Environmental

Date:

29-03-2024

Tandy Tse Senior Consultant, Environmental

Date:

29-03-2024

Noise Quality Monitoring Equipment



# **Certificate of Calibration**

## for

Description:	Sound Level Calibrator
Manufacturer:	RION
Type No.:	NC-75
Serial No.:	34724244

## Submitted by:

Customer:	Aurecon Hong Kong Limited
Address:	Unit 1608, 16/F, Tower B, Manulife Financial Centre,
	223-231 Wai Yip Street, Kwun Tong,
	Kowloon, Hong Kong

### Upon receipt for calibration, the instrument was found to be:

$\checkmark$	Within
$\Box$	Outside

### the allowable tolerance.

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

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

Date of receipt: 22 July 2024

Date of calibration: 24 July 2024

Date of NEXT calibration: 23 July 2025

Calibrated by: Calibration Technician

Certified by: Mr. Ng Yan Wa

Laboratory Manager

Date of issue: 24 July 2024

Certificate No.: APJ23-154-CC002

Page 1 of 2

## Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 1. Calibration Precautions:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Specifications:

Calibration check

## 3. Calibration Conditions:

Air Temperature:	23.4 °C
Air Pressure:	1005 hPa
<b>Relative Humidity:</b>	56.7 %

## 4. Calibration Equipment:

Test Equipment	Туре	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV230128	HOKLAS

## 5. Calibration Results

## 5.1 Sound Pressure Level

Nominal value	Accept lower level	Accept upper level	Measured value
dB	dB	dB	dB
94.0	93.6	94.4	

Note:

The values given in this certification only related to the values measured at the time of the calibration.



Certificate No.: APJ23-154-CC002



# Certificate of Calibration

for

Description:	Sound Level Calibrator
Manufacturer:	RION
Type No.:	NC-75
Serial No.:	34724245

## Submitted by:

Customer: Aurecon Hong Kong Limited Address: Unit 1608, 16/F, Tower B, Manulife Financial Centre, 223-231 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

## Upon receipt for calibration, the instrument was found to be:

$\checkmark$	Within
	Outside

### the allowable tolerance.

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

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

Date of receipt: 22 July 2024

Date of calibration: 24 July 2024

Date of NEXT calibration: 23 July 2025

Calibration Technician Calibrated by:

Date of issue: 24 July 2024

Certified by:

Mr. Ng Yan Wa Laboratory Manager

Certificate No.: APJ23-154-CC003

# \* (A+A) \* L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 1. Calibration Precautions:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Specifications:

Calibration check

## 3. Calibration Conditions:

Air Temperature:	23.4 °C
Air Pressure:	1005 <b>hPa</b>
<b>Relative Humidity:</b>	56.7 %

## 4. Calibration Equipment:

Test Equipment	Туре	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV230128	HOKLAS

## 5. Calibration Results

5.1 Sound Pressure Level

Nominal value	Accept lower level	Accept upper level	Measured value
dB	dB	dB	dB
94.0	93.6	94.4	94.0

Note:

The values given in this certification only related to the values measured at the time of the calibration.



Certificate No.: APJ23-154-CC003



## Certificate of Calibration

for

Description:	Sound Level Calibrator
Manufacturer:	RION
Type No.:	NC-75
Serial No.:	34524163

## Submitted by:

Customer: Aurecon Hong Kong Limited Address: Unit 1608, 16/F, Tower B, Manulife Financial Centre, 223-231 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

### Upon receipt for calibration, the instrument was found to be:

$\checkmark$	Within
	Outside

### the allowable tolerance.

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

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

Date of receipt: 22 July 2024

Date of calibration: 24 July 2024

Date of NEXT calibration: 23 July 2025

Calibrated by: Calibration Technician

Certified by: Mr. Ng Yan Wa Laboratory Manager

Date of issue: 24 July 2024

Certificate No.: APJ24-010-CC001

Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong Tel: (852) 2668 3423 Fax:(852) 2668 6946 Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com Page 1 of 2

## ★ (A+A) \* L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 1. Calibration Precautions:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Specifications:

Calibration check

## 3. Calibration Conditions:

Air Temperature:	23.4 °C
Air Pressure:	1005 hPa
<b>Relative Humidity:</b>	56.7 %

## 4. Calibration Equipment:

Test Equipment	Туре	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV230128	HOKLAS

## 5. Calibration Results

### 5.1 Sound Pressure Level

Nominal value	Accept lower level	Accept upper level	Measured value
dB	dB	dB	dB
94.0	93.6	94.4	93.9

Note:

The values given in this certification only related to the values measured at the time of the calibration.



Certificate No.: APJ24-010-CC001



## Certificate of Calibration

### for

Description:	Sound Level Meter
Manufacturer:	NTi Audio
Type No.:	XL2 (Serial No.: A2A-09696-E0)
Microphone:	ACO 7052 (Serial No.:73780)
Preamplifier:	NTi Audio MA220 (Serial No.:6282)

## Submitted by:

Customer: Address:

Unit 1608, 16/F, Tower B, Manulife Financial Centre, 223-231 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong.

Aurecon Hong Kong Limited

Upon receipt for calibration, the instrument was found to be:

✓ Within (31.5Hz – 8kHz)
 □ Outside
 the allowable tolerance.

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

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

Date of receipt: 28 February 2024

Date of calibration: 02 March 2024

Date of NEXT calibration: 01 March 2025

Calibrated by: Calibration Technician

Date of issue: 02 March 2024

Certificate No.: APJ23-146-CC003

Certified by:

Mr. Ng Yan Wa Laboratory Manager

age 1 of 4

#### 

## 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Conditions:

Air Temperature:	22.9 °C
Air Pressure:	1005 hPa
<b>Relative Humidity:</b>	61.2 %

## 3. Calibration Equipment:

	Туре	Serial No.	Calibration Report Number	Traceable to	
Multifunction Calibrator	B&K 4226	2288467	AV220061	HOKLAS	

## 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA	SPL	Fast	94	1000	94.1	±0.4

Linearity

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.1	Ref
30-130	dBA	SPL	Fast	104	1000	104.1	±0.3
				114		114.1	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA	SPL	Fast	94	1000	94.1	Ref
50-150	UDA	SPL	Slow	94	1000	94.1	±0.3

Page 2 of 4

Certificate No.: APJ23-146-CC003

## (A+A)\*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

### Frequency Response

### Linear Response

Setting of Unit-under-test (UUT)			Appl	Applied value		IEC 61672 Class 1	
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	94.0	±2.0
					63	94.1	±1.5
					125	94.1	±1.5
		- 11-5-6			250	94.1	±1.4
30-130	dB	SPL	Fast	94	500	94.1	±1.4
					1000	94.1	Ref
					2000	94.4	±1.6
					4000	95.2	±1.6
					8000	94.5	+2.1; -3.1

A-weighting

Setti	Setting of Unit-under-test (UUT)			Appl	Applied value		IEC 61672 Class 1
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	54.6	-39.4 ±2.0
					63	67.9	-26.2±1.5
					125	78.0	-16.1±1.5
					250	85.4	-8.6±1.4
30-130	dBA	SPL	Fast	94	500	90.9	$-3.2 \pm 1.4$
					1000	94.1	Ref
					2000	95.6	+1.2±1.6
					4000	96.2	$+1.0 \pm 1.6$
					8000	93.4	-1.1+2.1; -3.1

C-weighting

Sett	Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1									
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB									
					31.5	91.0	-3.0 ±2.0									
					63	93.3	-0.8±1.5									
					125	93.9	-0.2 ±1.5									
					250	94.1	$-0.0 \pm 1.4$									
30-130	dBC	SPL	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast 94	94	500	94.2	$-0.0 \pm 1.4$
					1000	94.1	Ref									
					2000	94.2	-0.2 ±1.6									
					4000	94.4	-0.8 ±1.6									
					8000	91.5	-3.0 +2.1: -3.1									

Certificate No.: APJ23-146-CC003





## 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	$\pm$ 0.05
	2000 Hz	$\pm$ 0.05
	4000 Hz	± 0.05
	8000 Hz	± 0.10
104 dB	1000 Hz	$\pm$ 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

#### Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)\*L shall not be liable for any loss or damage resulting from the use of the equipment.



Certificate No.: APJ23-146-CC003



## Certificate of Calibration

## for

Description:	Sound Level Meter
Manufacturer:	NTi Audio
Type No.:	XL2 (Serial No.: A2A-13548-E0)
Microphone:	ACO 7052 (Serial No.:84474)
Preamplifier:	NTi Audio MA220 (Serial No.:7989)

## Submitted by:

Customer: Aurecon Hong Kong Limited Address: Unit 1608, 16/F, Tower B, Manulife Financial Centre, 223-231 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong.

### Upon receipt for calibration, the instrument was found to be:

✓ Within (31.5Hz – 8kHz)
 □ Outside
 the allowable tolerance.

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

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

Date of receipt: 28 February 2024

Date of calibration: 02 March 2024

Date of NEXT calibration: 01 March 2025

Calibrated by: Calibration Technician

Date of issue: 02 March 2024

Certificate No.: APJ23-146-CC004

Certified by:

Mr. Ng Yan Wa aboratory Manager Page 1 of 4

## 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Conditions:

Air Temperature:	22.4 °C
Air Pressure:	1005 hPa
<b>Relative Humidity:</b>	59.6 %

## 3. Calibration Equipment:

	Туре	Serial No.	Calibration Report Number	Traceable to	
Multifunction Calibrator	B&K 4226	2288467	AV220061	HOKLAS	

## 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA	SPL	Fast	94	1000	94.1	±0.4

Linearity

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.1	Ref
30-130	dBA	SPL	Fast	104	1000	104.2	±0.3
				114		114.2	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA	SPL	Fast	94	1000	94.1	Ref
30-130	uва	SPL	Slow	94	1000	94.2	±0.3

Certificate No.: APJ23-146-CC004



Page 2 of 4



#### Frequency Response

### Linear Response

Setting of Unit-under-test (UUT)		Applied value		UUT Reading,	IEC 61672 Class 1		
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	94.1	±2.0
					63	94.2	±1.5
					125	94.2	±1.5
					250	94.1	±1.4
30-130	dB	dB SPL	Fast	Fast 94	500	94.2	±1.4
					1000	94.1	Ref
					2000	94.3	±1.6
					4000	94.8	±1.6
				8000	93.8	+2.1; -3.1	

A-weighting

Setti	Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	54.7	-39.4 ±2.0
					63	68.0	-26.2±1.5
					125	78.1	-16.1±1.5
					250	85.5	-8.6±1.4
30-130	dBA	SPL	Fast	94	500	91.0	$-3.2 \pm 1.4$
				1000	94.1	Ref	
					2000	95.5	$+1.2\pm1.6$
					4000	95.8	$+1.0 \pm 1.6$
					8000	92.7	-1.1+2.1; -3.1

C-weighting

Sett	Setting of Unit-under-test (UUT)			Applied value		IEC 61672 Class 1
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				31.5	91.1	-3.0 ±2.0
				63	93.3	-0.8 ±1.5
				125	94.0	-0.2 ±1.5
				250	94.1	$-0.0 \pm 1.4$
30-130	dBC SPL	Fast	94	500	94.2	$-0.0 \pm 1.4$
				1000	94.1	Ref
				2000	94.2	-0.2 ±1.6
				4000	94.0	-0.8 ±1.6
				8000	90.8	-3.0 +2.1: -3.1

Certificate No.: APJ23-146-CC004

(A+A) Page 3 of 4



## 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	$\pm$ 0.05
	63 Hz	$\pm$ 0.05
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	$\pm$ 0.05
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

#### Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)\*L shall not be liable for any loss or damage resulting from the use of the equipment.



Certificate No.: APJ23-146-CC004



# Certificate of Calibration

## for

Description:	Sound Level Meter
Manufacturer:	NTi Audio
Type No.:	XL2 (Serial No.: A2A-13663-F0)
Microphone:	ACO 7052 (Serial No.: 84413)
Preamplifier:	NTi Audio M2211 MA220 (Serial No.: 7014)

## Submitted by:

Customer: Acuity Sustainability Consulting Limited Address: Unit E, 12/F, Ford Glory Plaza, Nos. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

Upon receipt for calibration, the instrument was found to be:

✓ Within (31.5Hz – 4kHz)□ Outside

#### the allowable tolerance.

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

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

Date of receipt: 25 January 2024

Date of calibration: 29 January 2024

Date of NEXT calibration: 28 January 2025

Calibrated by: Calibration Technician

Certified by:

Mr. Ng Yan Wa Laboratory Manager



Date of issue: 29 January 2024

Certificate No.: APJ23-132-CC001

## (A+A)\*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

## 1. Calibration Precaution:

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

## 2. Calibration Conditions:

20.6 °C
1006 hPa
48.5 %

## 3. Calibration Equipment:

	Туре	Serial No.	Calibration Report Number	Traceable to	
Multifunction Calibrator	B&K 4226	2288467	AV220061	HOKLAS	

## 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dBA	SPL	Fast	94	1000	94.1	±0.4

Linearity

Setting of Unit-under-test (UUT)				Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.1	Ref
30-130	dBA	SPL	Fast	104	1000	104.1	±0.3
				114		114.1	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB Freq. Weighting		Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB	
20.120	A CL	CDI	Fast	94	1000	94.1	Ref
30-130	dBA	SPL	Slow	94	1000	94.1	±0.3

Certificate No.: APJ23-132-CC001

Page 2 of 4



## (A+A)\*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

### Frequency Response

## Linear Response

Setting of Unit-under-test (UUT)				Applied value		UUT Reading,	IEC 61672 Class 1		
Range, dB	Freq. We	Freq. Weighting   Time Weighting   Level, dB   Frequency, Hz		dB	Specification, dB				
					31.5	94.1	±2.0		
			Foot		63	94.1	±1.5		
·					125	94.1	±1.5		
30-130	dD	dB SPL		94	250	94.1	±1.4		
50-150	uБ		SFL	IB SPL Fast	Past	94	500	94.1	±1.4
					1000	94.1	Ref		
					2000	94.5	±1.6		
					4000	95.1	±1.6		

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1						
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB					
					31.5	54.8	-39.4 ±2.0					
					63	67.9	-26.2±1.5					
			Fast	Fast 94		125	78.0	-16.1±1.5				
30-130	dBA	SPL			Fast	Fast	Fast	East	East 04	250	85.4	-8.6±1.4
30-130	UDA	SPL					Tast 94	500	90.9	$-3.2 \pm 1.4$		
								[ [	1000	94.1	Ref	
						2000	95.7	+1.2±1.6				
					4000	96.2	$+1.0 \pm 1.6$					

C-weighting

Setti	ing of Unit	-under-t	est (UUT)	Applied value		UUT Reading,	IEC 61672 Class 1					
Range, dB	Freq. We	eighting	Time Weighting	Level, dB Frequency, Hz		dB	Specification, dB					
			31.5	91.1	-3.0 ±2.0							
				63	93.3	-0.8±1.5						
· · · · · · · · · · · · · · · · · · ·			Fast		125	93.9	-0.2±1.5					
30-130	dBC			94	250	94.1	$-0.0 \pm 1.4$					
30-130	UDC	SPL		Tast	Tast	Fasi	Tast	Fast	Fast 94	500	94.2	$-0.0 \pm 1.4$
					1000	94.1	Ref					
				2000	94.3	-0.2±1.6						
	•				4000	94.4	-0.8±1.6					

Certificate No.: APJ23-132-CC001





## 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.05
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.10
	4000 Hz	± 0.15
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)\*L shall not be liable for any loss or damage resulting from the use of the equipment.

Certificate No.: APJ23-132-CC001



Room 422,Leader Industrial Centre,57-59 Au Pui Wan Street ,Fo Tan, Shatin,N.T.,Hong Kong Tel: (852) 2668 3423 Fax:(852) 2668 6946 Homepage: http://www.aa-lab.com E-mail : inquiry@aa-lab.com Page 4 of 4

Water Quality Monitoring Equipment



## **REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION**

Test Report No.: R-Date of Issue: 21Page No.: 1 c

: R-BD100073 : 21 October 2024 : 1 of 2

#### **PART A - CUSTOMER INFORMATION**

Acuity Sustainability Consulting Limited Unit E, 12/F, Ford Glory Plaza 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

#### **PART B - SAMPLE INFORMATION**

Name of Equipment :	YSI ProDSS Multi Parameters
Manufacturer :	YSI
Serial Number :	15M101091
Date of Received :	16 October 2024
Date of Calibration :	21 October 2024
Date of Next Calibration :	20 January 2025
Request No. :	D-BD100073

#### PART C - REFERENCE METHODS/ DOCUMENTS FOR THE CALIBRATION

Test Parameter	Reference Method
pH value	APHA 21e 4500-H <sup>+</sup> B
Temperature	Section 6 of international Accreditation New Zealand Technical Guide no. 3 Second edition March
	2008: Working Thermometer Calibration Procedure
Salinity	APHA 21e 2520 B
Dissolved oxygen	APHA 23e 4500-O G (Membrane Electrode Method)
Turbidity	APHA 21e 2130 B (Nephelometric Method)

#### **PART D - CALIBRATION RESULT**

#### (1) pH value

Target ( pH unit )	Display Reading ( pH unit )	Tolerance	Result
4.00	4.01	0.01	Satisfactory
7.42	7.43	0.01	Satisfactory
10.01	10.14	0.13	Satisfactory

Tolerance of pH value should be less than  $\pm$  0.2 ( pH unit )

#### (2) Temperature

Reading of Ref. thermometer ( °C )	Display Reading ( °C )	Tolerance	Result
16.0	16.1	0.1	Satisfactory
25.5	25.2	-0.3	Satisfactory
40.0	39.6	-0.4	Satisfactory

Tolerance of Temperature should be less than  $\pm$  2.0 ( °C )

#### (3) Salinity

Expected Reading (g/L)	Display Reading (g/L)	Tolerance ( % )	Result
10	9.71	-2.9	Satisfactory
20	19.84	-0.8	Satisfactory
30	30.42	1.4	Satisfactory

Tolerance of Salinity should be less than  $\pm$  10.0 (%)

--- CONTINUED ON NEXT PAGE ---

LEE Chun-ning Assistant Manager

AUTHORIZED SIGNATORY:



專業化驗有限公司 QUALITY PRO TEST-CONSULT LIMITED Unit 10, 5/F, Wah Wai Centre, 38-40 Au Pui Wan St., Fotan, Hong Kong Email: info@qualityprotest.com; Website: www.qualityprotest.com

## **REPORT OF EQUIPMENT PERFORMANCE CHECK/ CALIBRATION**

Test Report No.	: R-BD100073
Date of Issue	: 21 October 2024
Page No.	: 2 of 2

#### (4) Dissolved oxygen

Expected Reading ( mg/L )	Display Reading ( mg/L )	Tolerance	Result
7.41	7.77	0.36	Satisfactory
5.61	5.22	-0.39	Satisfactory
3.49	3.56	0.07	Satisfactory
0.56	0.29	-0.27	Satisfactory

Tolerance of Dissolved oxygen should be less than  $\pm\,0.5$  ( mg/L )

Tel: (852) 3956 8717; Fax: (852) 3956 3928

#### (5) Turbidity

Expected Reading (NTU)	Display Reading ( NTU )	Tolerance (a) (%)	Result	
0	0.02	~~	Satisfactory	
10	10.11	1.1	Satisfactory	
20	19.85	-0.7	Satisfactory	
100	103.25	3.3	Satisfactory	
800	822.19	2.8	Satisfactory	

Tolerance of Turbidity should be less than  $\pm$  10.0 ( % )

(a) For 0 NTU, Display Reading should be less than 1 NTU

#### Remark(s)

•The "Date of Next Calibration" is recommended according to best practice principals as practiced by QPT or quoted from relevant international standards. •The results relate only to the calibrated equipment as received

•The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

"Displayed Reading" denotes the figure shown on item under calibration/ checking regardless of equipment precision or significant figures.

•The "Tolerance Limit" mentioned is the acceptance criteria applicable for similar equipment used by Quality Pro Test-Consult Ltd. or quoted from relevant international standards.

--- END OF REPORT ----

## Appendix E Environmental Monitoring Schedule

Environmental Monitoring Schedule (December 2024)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
1	2 AQM, NM	3 <b>WQM</b> Mid Flood (16:52) Mid Ebb (12:22)	4 EMB (Day)	5 <b>WQM</b> Mid Flood (09:09) Mid Ebb (13:25)	6	7 <b>AQM, WQM</b> Mid Flood (10:25) Mid Ebb (16:20)
8	9	10 <b>WQM</b> Mid Flood (10:17) Mid Ebb (15:53)	11	12 <b>WQM</b> Mid Flood (16:47) Mid Ebb (08:40)	13 AQM, NM	14 <b>WQM</b> Mid Flood (18:30) Mid Ebb (12:09)
15	16	17 <b>WQM</b> Mid Flood (18:20) Mid Ebb (11:06)	18 ANRM, EMB (Night)	19 <b>AQM, NM, WQM</b> Mid Flood (16:42) Mid Ebb (12:31)	20	21 <b>WQM</b> Mid Flood (10:06) Mid Ebb (13:53)
22	23	24 AQM, NM, WQM Mid Flood (10:56) Mid Ebb (16:14)	25	26 WQM Mid Flood (17:10) Mid Ebb (09:24)	27	28 WQM Mid Flood (18:30) Mid Ebb (09:02)
29	30 AQM, NM	31 WQM Mid Flood (17:32) Mid Ebb (10:50)				

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**): Leq (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.

Environmental Monitoring Schedule (January 2025)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
			1	2 <b>WQM</b> Mid Flood (09:09) Mid Ebb (13:29)	3	4 <b>WQM, AQM</b> Mid Flood (08:33) Mid Ebb (14:27)
5	6	7 <b>WQM, EMB</b> (Day) Mid Flood (11:07) Mid Ebb (16:21)	8	9 <b>WQM</b> Mid Flood (16:40) Mid Ebb (08:54)	10 AQM, NM	11 <b>WQM</b> Mid Flood (16:27) Mid Ebb (11:25)
12	13	14 <b>WQM</b> Mid Flood (18:04) Mid Ebb (11:24)	15 ANRM	16 <b>WQM, AQM, NM</b> Mid Flood (08:34) Mid Ebb (12:53)	17	18 <b>WQM</b> Mid Flood (08:29) Mid Ebb (14:14)
19	20	21 <b>WQM</b> Mid Flood (11:29) Mid Ebb (16:17)	22 AQM, NM	23 <b>WQM</b> Mid Flood (17:01) Mid Ebb (09:30)	24	25 <b>WQM</b> Mid Flood (08:29) Mid Ebb (14:14)
26	27	28 <b>WQM, AQM, NM</b> Mid Flood (17:40) Mid Ebb (11:17)	29	30 WQM Mid Flood (08:27) Mid Ebb (12:29)	31	

Remarks:

- 1. Actual monitoring may be subjected to change due to any safety concern or adverse weather condition.
- Air Quality Monitoring (AQM): 3 x 1-hour TSP Monitoring per 6 days.
   Noise Monitoring (NM): Leq (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.

Environmental Monitoring Schedule (February 2025)

Sun	Mon	Tue	Wed	Thur	Fri	Sat
						1 <b>WQM</b> Mid Flood (08:01) Mid Ebb (13:41)
2	3 AQM, NM	4 <b>WQM, EMB (Day)</b> Mid Flood (10:30) Mid Ebb (15:31)	5	6 <b>WQM</b> Mid Flood (12:55) Mid Ebb (16:59)	7	8 <b>WQM, AQM</b> Mid Flood (17:22) Mid Ebb (09:56)
9	10	11 <b>WQM</b> Mid Flood (17:10) Mid Ebb (09:55)	12	13 <b>WQM</b> Mid Flood (17:39) Mid Ebb (11:40)	14 AQM, NM	15 <b>WQM</b> Mid Flood (09:48) Mid Ebb (13:16)
16	17	18 <b>WQM</b> Mid Flood (10:32) Mid Ebb (15:12)	19	20 <b>WQM AQM, NM</b> Mid Flood (12:19) Mid Ebb (16:57)	21	22 <b>WQM</b> Mid Flood (14:36) Mid Ebb (09:52)
23	24	25 <b>WQM</b> Mid Flood (16:15) Mid Ebb (09:45)	26 AQM, NM	27 <b>WQM</b> Mid Flood (17:25) Mid Ebb (11:56)	28	

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): Leq (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 Environmental Monitoring Results

Air Quality Monitoring Results

### 1-hour TSP Monitoring Result for Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

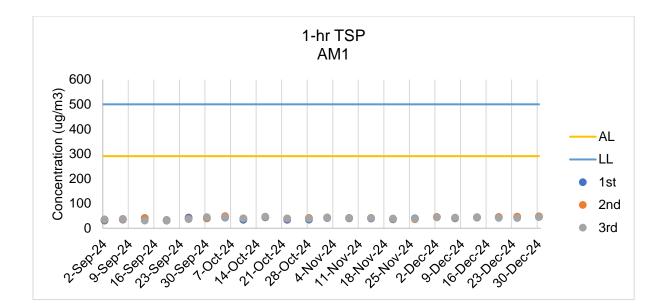
	, (	-	1	-hour TSP (µg/m	1 <sup>3</sup> )		
Date	Weather	Start	1st	2nd	3rd	Action Level	Limit Level
	Condition	Time	Measurement	Measurement	Measurement	(ug/m <sup>3</sup> )	(ug/m <sup>3</sup> )
2/12/2024	sunny	8:34	45	46	44	291	500
7/12/2024	sunny	8:44	40	42	43		
13/12/2024	sunny	8:50	43	44	45		
19/12/2024	sunny	8:12	44	46	42	291	
24/12/2024	sunny	8:22	45	47	41		
30/12/2024	sunny	8:09	46	48	45		
		Min		40			
		Max		48			
		Average		44			

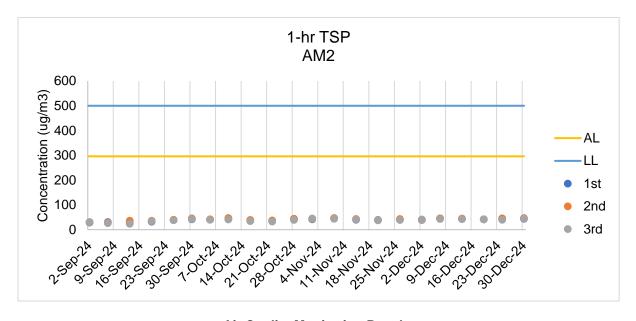
#### AM1 - Topfine Machinery (China) Co. Ltd.

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

-			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> )
2/12/2024	sunny	13:32	39	40	41		
7/12/2024	sunny	13:11	45	46	43	296	500
13/12/2024	sunny	13:28	43	45	43		
19/12/2024	sunny	13:33	42	42	41		
24/12/2024	sunny	13:00	43	46	40		
30/12/2024	sunny	13:21	44	47	45		
		Min		39			
		Max		47			
		Average		43			

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





**Air Quality Monitoring Results** 

Noise Monitoring Results

#### Noise Impact Monitoring Result for Contract No. SPW 02/2023 Environmental Team for Construction of Yuen Long Effluent Polishing Plant Stage 1

CM1 - Squatter house to the north 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)
2/12/2024	10:21	59.4	61.3	57.4	1.1	sunny	75
13/12/2024	10:41	61.2	62.5	59.4	0.5	sunny	75
19/12/2024	9:57	60.2	61.9	59.4	1.6	sunny	75
24/12/2024	10:01	60.6	61.1	58.5	1.4	sunny	75
30/12/2024	9:49	61.1	62.8	57.9	0.8	sunny	75
	Max	61.2					
	Min	59.4					

#### CM2 - Squatter house to the west of YLSTW

			L <sub>10</sub>	L <sub>90</sub>	Wind Speed		Limit Level
Date	Start Time	L <sub>eq</sub> 30min dB(A)	dB(A)	dB(A)	(m/s)	Weather	dB(A)
2/12/2024	13:32	56.6	57.6	54.3	0.7	sunny	75
13/12/2024	13:28	58.4	60.4	56.4	0.6	sunny	75
19/12/2024	13:33	59.2	61.6	57.6	0.2	sunny	75
24/12/2024	13:00	60.4	61.9	58.5	0.7	sunny	75
30/12/2024	13:21	58.6	60.5	56.7	1.5	sunny	75
	Max	60.4					
	Min	56.6					

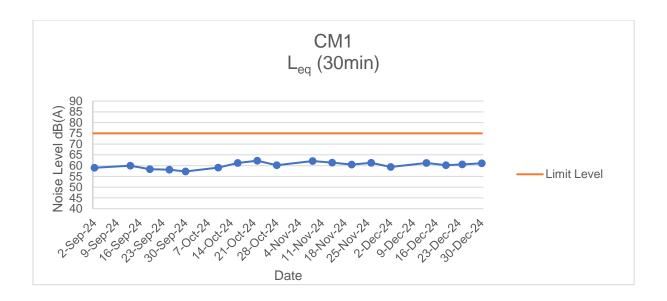
#### CM3 - Squatter house to the east of YLSTW

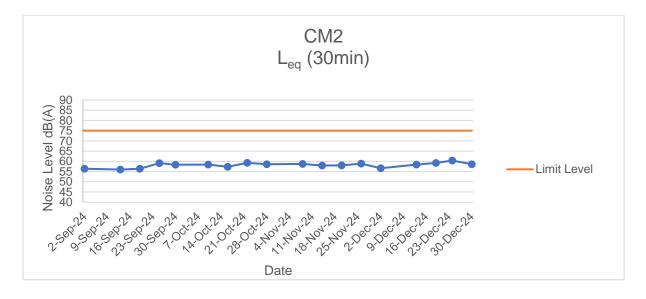
			L <sub>10</sub>	L <sub>90</sub>	Wind Speed		Limit Level
Date	Start Time	L <sub>eq</sub> 30min dB(A)	dB(A)	dB(A)	(m/s)	Weather	dB(A)
2/12/2024	8:55	56.6	58.4	54.5	0.8	sunny	75
13/12/2024	9:18	58.4	60.4	55.3	0.6	sunny	75
19/12/2024	8:36	57.3	59.6	56.5	0.4	sunny	75
24/12/2024	8:44	58.8	60.5	56.3	1.2	sunny	75
30/12/2024	8:32	58.9	60.9	57.3	1.7	sunny	75
	Max	58.9					
	Min	56.6					

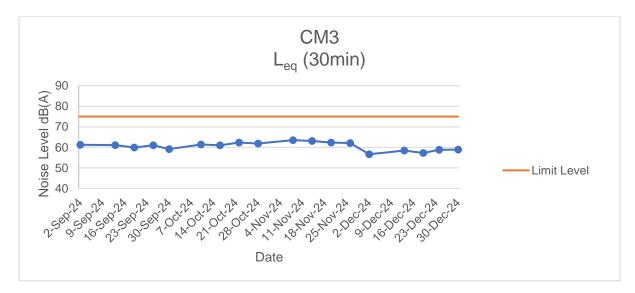
Note:

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.







**Noise Monitoring Results** 

Water Quality Monitoring Results

									e						In-s	itu Measu	irement							Labora Analy	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pl	Н	Salinit	y (ppt)	Tempe (degr		DO Sat (%	uration %)	DO (r	ng/L)	Turbidity	/ (NTU)	Total Susp Solids (r	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	3/12/2024	Mid-Flood	Sunny	Low	14:35	2.6	M	1.30	1	0.074	183.065	7.19	7.20	2.82	2.81	20.9	20.95	36.8	36.75	2.77	2.77	21.07	21.19	28	28
M1	3/12/2024	Mid-Flood	Sunny	Low	14:35	2.6	M	1.30	2	0.01 1	100.000	7.21	1.20	2.8	2.01	21	20.00	36.7	00.10	2.76	2	21.31	20	27	20
M2	3/12/2024	Mid-Flood	Sunny	Low	14:55	2.4	M	1.20	1	0.073	171.814	7.14	7.15	2.75	2.75	20.9	20.90	37.0	37.45	2.78	2.82	21.84	21.665	25	25
M2	3/12/2024	Mid-Flood	Sunny	Low	14:55	2.4	M	1.20	2	0.010	111.014	7.15	7.10	2.74	2.70	20.9	20.00	37.9	01.40	2.85	2.02	21.49	21.000	24	20
M3	3/12/2024	Mid-Flood	Sunny	Low	15:10	2.1	M	1.05	1	0.095	175.12	7.11	7.12	3.32	3.34	20.9 20.9	20.90	48.4	49.00	3.64	3.69	30.59	30.71	25	25
M3	3/12/2024	Mid-Flood	Sunny	Low	15:10	2.1	М	1.05	2	0.035	175.12	7.13	7.12	3.36	5.54	20.9	20.30	49.6	43.00	3.73	5.05	30.83	50.71	24	25
M1	3/12/2024	Mid-Ebb	Sunny	Low	10:22	2.5	М	1.25	1	0.075	331.825	7.14	7.15	2.71	2.73	21.1 21.1	21.10	37.6	36.75	2.83	2.77	19.91	19.825	23	25
M1	3/12/2024	Mid-Ebb	Sunny	Low	10:22	2.5	M	1.25	2	0.075	331.023	7.16	7.15	2.74	2.13	21.1	21.10	35.9	30.75	2.7	2.11	19.74	19.025	26	25
M2	3/12/2024	Mid-Ebb	Sunny	Low	9:51	2.3	M	1.15	1	0.059	323.843	7.18	7.17	2.74	2.73	21.1	21.15	33.6	33.70	2.53	2.54	19.06	19.065	24	28
M2	3/12/2024	Mid-Ebb	Sunny	Low	9:51	2.3	M	1.15	2	0.000	020.040	7.16	7.17	2.72	2.13	21.2	21.10	33.8	33.70	2.54	2.34	19.07	13.005	32	20
M3	3/12/2024	Mid-Ebb	Sunny	Low	10:38	2	M	1.00	1	0.066	331.739	7.11	7.10	3.30	3.32	21.1	21.15	48.1	48.70	3.62	3.67	29.69	29.8	35	34
M3	3/12/2024	Mid-Ebb	Sunny	Low	10:38	2	M	1.00	2	0.000	551.758	7.09	7.10	3.34	5.52	21.2	21.10	49.3	40.70	3.71	5.07	29.91	23.0	33	J-4

Remark

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. Limit 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.

For Flood Tide						
Monitoring	D	0	N	TU	S	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	78	104	167
For Ebb Tide						

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

									Ð						In-s	itu Measu	rement							Laboratory Analysis	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pl	4	Salinit	y (ppt)	Tempe (degr		DO Sat (%	uration %)	DO (r	ng/L)	Turbidity	y (NTU)	Total Susp Solids (r	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	5/12/2024	Mid-Flood	Sunny	Low	15:55	2.5	M	1.25	1	0.075	174.713	7.2	7.20	2.74	2.73	22.9	22.90	33.9	33.40	2.55	2.51	24.82	24.875	33	30
M1	5/12/2024	Mid-Flood	Sunny	Low	15:56	2.5	M	1.25	2	0.010	174.710	7.2	1.20	2.72	2.70	22.9	22.00	32.9	00.40	2.47	2.01	24.93	24.010	27	00
M2	5/12/2024	Mid-Flood	Sunny	Low	16:22	2.3	M	1.15	1	0.078	166.339	7.13	7.13	2.91	2.93	22.9 22.9	22.90	36.4	36.40	2.74	2.74	25.97	25.81	19	20
M2	5/12/2024	Mid-Flood	Sunny	Low	16:22	2.3	М	1.15	2	0.070	100.555	7.12	7.15	2.94	2.35		22.30	36.4	30.40	2.74	2.14	25.65	20.01	20	20
M3	5/12/2024	Mid-Flood	Sunny	Low	16:35	2	M	1.00	1	0.095	182.632	7.13	7.14	3.23	3.24	22.9	22.95	49.6	49.45	3.73	3.72	31.75	31.55	13	18
M3	5/12/2024	Mid-Flood	Sunny	Low	16:35	2	M	1.00	2	0.035	102.002	7.15	7.14	3.25	5.24	23	22.35	49.3	43.45	3.71	5.72	31.35	51.55	23	10
M1	5/12/2024	Mid-Ebb	Sunny	Low	10:15	2.4	М	1.20	1	0.076	315.073	7.16	7.16	2.73	2.73	22.8	22.85	35.8	35.60	2.69	2.68	19.92	20.075	18	25
M1	5/12/2024	Mid-Ebb	Sunny	Low	10:15	2.4	М	1.20	2	0.070	515.075	7.16	7.10	2.73	2.13	22.9	22.05	35.4	33.00	2.66	2.00	20.23	20.075	31	25
M2	5/12/2024	Mid-Ebb	Sunny	Low	9:48	2	M	1.00	1	0.074	335.378	7.15	7.16	2.55	2.54	22.8 22.8	22.80	34.7	34.25	2.61	2.58	19.25	19.24	34	33
M2	5/12/2024	Mid-Ebb	Sunny	Low	9:48	2	M	1.00	2	0.074	555.576	7.17	1.10	2.53	2.54	22.8	22.00	33.8	34.25	2.54	2.30	19.23	19.24	31	55
M3	5/12/2024	Mid-Ebb	Sunny	Low	10:33	1.9	М	0.95	1	0.065	324.21	7.15	7.16	3.46	3.44	22.8	22.80	50.4	50.75	3.79	3.82	33.25	33.28	42	39
M3	5/12/2024	Mid-Ebb	Sunny	Low	10:33	1.9	М	0.95	2	0.005	524.21	7.16	-	3.41	3.44	22.8	22.00	51.1	30.75	3.84	0.02	33.31	55.20	36	53

Remark

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. Limit 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.

For Flood Tide						
Monitoring	D	0	N	TU	S	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	78	104	167
For Ebb Tide						

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

									Θ						In-s	itu Measu	rement							Laboratory Analysis	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pl	4	Salinit	y (ppt)	Tempe (degr		DO Sat (%	uration %)	DO (r	ng/L)	Turbidity (	NTU)	Total Suspe Solids (m	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	7/12/2024	Mid-Flood	Sunny	Low	8:31	2.6	M	1.30	1	0.079	171.512	7.2	7.20	3.13	3.17	21.1	21.15	35.9	35.70	2.7	2.69	20.69 2	0.635	14	17
M1	7/12/2024	Mid-Flood	Sunny	Low	8:31	2.6	M	1.30	2	0.010	111.012	7.19	1.20	3.2	0.17	21.2	21.10	35.5	00.70	2.67	2.00	20.58	0.000	19	
M2	7/12/2024	Mid-Flood	Sunny	Low	8:59	2.3	M	1.15	1	0.087	163.986	7.22	7.21	3.07	3.04	21.1	21 15	37.6	38.35	2.83	2.89	21.89 2	1.985	22	20
M2	7/12/2024	Mid-Flood	Sunny	Low	8:59	2.3	M	1.15	2	0.007	103.300	7.2	1.21	3	5.04	21.2	21.15	39.1	30.33	2.94	2.03	22.08	1.305	17	20
M3	7/12/2024	Mid-Flood	Sunny	Low	9:11	2.1	M	1.05	1	0.092	181.712	7.22	7.21	3.69	3.67	21.1	21.10	49.9	49.75	3.75	3.74	31.79	2.365	14	18
M3	7/12/2024	Mid-Flood	Sunny	Low	9:12	2.1	М	1.05	2	0.032	101.712	7.2	1.21	3.65	5.07	21.1	21.10	49.6	43.15	3.73	5.74	32.94	2.303	21	10
M1	7/12/2024	Mid-Ebb	Sunny	Low	13:29	2.4	М	1.20	1	0.073	344.765	7.18	7.19	2.99	2.95	20.9	20.95	36.7	37.35	2.76	2.81	19.88	9.66	10	10
M1	7/12/2024	Mid-Ebb	Sunny	Low	13:29	2.4	M	1.20	2	0.075	344.703	7.19	7.19	2.91	2.95	21.0	20.95	38.0	37.33	2.86	2.01	19.44	9.00	9	10
M2	7/12/2024	Mid-Ebb	Sunny	Low	13:01	2.2	M	1.10	1	0.075	326.584	7.17	7.16	3.08	3.08	20.9 20.9	20.90	37.0	37.65	2.78 2.88	2.83	19.59	19.7	21	21
M2	7/12/2024	Mid-Ebb	Sunny	Low	13:01	2.2	М	1.10	2	0.075	520.304	7.15	1.10	3.08	3.06	20.9	20.90	38.3	31.00	2.88	2.03	19.81	19.7	21	21
M3	7/12/2024	Mid-Ebb	Sunny	Low	13:48	2	М	1.00	1	0.068	302.896	7.16	7.17	3.77	3.79	20.9	20.90	49.2	48.70	3.7	3.67	33.07 .	32.61	29	26
M3	7/12/2024	Mid-Ebb	Sunny	Low	13:48	2	M	1.00	2	0.008	302.090	7.18		3.81	3.19	20.9	20.90	48.2	40.70	3.63	3.07	32.15	2.01	23	20

Remark

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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. Limit 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.

For Flood Tide						
Monitoring	D	0	N	TU	S	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	78	104	167
For Ebb Tide						

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

									Ð						In-s	itu Measu	irement							Laborato Analys	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pl	4	Salinit	y (ppt)	Tempe (degr		DO Sat	turation %)	DO (r	ng/L)	Turbidity	y (NTU)	Total Suspe Solids (m	
										. ,		Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	10/12/2024	Mid-Flood	Sunny	Low	8:00	2.5	М	1.25	1	0.073	175.596	7.11	7.12	2.81	2.84	22.0	22.05	33.5	33.50	2.52	2.52	22.67	22.63	16	16
M1	10/12/2024	Mid-Flood	Sunny	Low	8:00	2.5	M	1.25	2	0.075	175.550	7.12	1.12	2.87	2.04	22.1	22.05	33.5	33.30	2.52	2.52	22.59	22.00	15	10
M2	10/12/2024	Mid-Flood	Sunny	Low	8:31	2.4	M	1.20	1	0.087	183.066	7.17	7.18	2.77	2.80	22.0 22	22.00	35.6	35.30	2.68	2.66	23.58	23.54	15	16
M2	10/12/2024	Mid-Flood	Sunny	Low	8:31	2.4	M	1.20	2	0.001	100.000	7.19	7.10	2.82	2.00		22.00	35.0	00.00	2.63	2.00	23.5	20.04	16	10
M3	10/12/2024	Mid-Flood	Sunny	Low	8:50	2.1	M	1.05	1	0.095	187.583	7.13	7.13	3.29	3.26	22.0	22.00	49.1	49.40	3.69	3.72	31.88	31.705	18	18
M3	10/12/2024	Mid-Flood	Sunny	Low	8:50	2.1	М	1.05	2	0.035	107.505	7.12	7.15	3.22	5.20	22	22.00	49.7	43.40	3.74	5.72	31.53	51.705	18	10
M1	10/12/2024	Mid-Ebb	Sunny	Low	15:33	2.5	M	1.25	1	0.081	316.812	7.15	7.14	2.72	2.72	21.9 22.0	21.95	35.0	34.00	2.63	2.56	24.87	24.945	18	18
M1	10/12/2024	Mid-Ebb	Sunny	Low	15:33	2.5	M	1.25	2	0.001	010.012	7.13	7.14	2.72	2.12		21.35	33.0	34.00	2.48	2.50	25.02	24.343	17	10
M2	10/12/2024	Mid-Ebb	Sunny	Low	15:12	2.1	M	1.05	1	0.079	329.54	7.2	7.21	2.57	2.57	21.9 21.9	21.90	37.5	38.25	2.82	2.88	25.90	25.885	16	17
M2	10/12/2024	Mid-Ebb	Sunny	Low	15:12	2.1	M	1.05	2	0.013	023.04	7.22	1.21	2.57	2.07		21.90	39.0	50.25	2.93	2.00	25.87	20.000	18	17
M3	10/12/2024	Mid-Ebb	Sunny	Low	15:49	2	M	1.00	1	0.067	313.992	7.14	7.14	3.54	3.56	21.9	21.90	48.9	49.60	3.68	3.73	32.28	32.415	17	16
M3	10/12/2024	Mid-Ebb	Sunny	Low	15:49	2	M	1.00	2	0.007	313.332	7.14		3.58	5.50	21.9	21.30	50.3	43.00	3.78	5.75	32.55	52.415	15	10

Remark

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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.

For Flood Tide						
Monitoring	D	0	N	TU	S	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	78	104	167
For Ebb Tide						

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

									e						In-s	itu Measu	rement						Laborato Analys	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pl	4	Salinit	y (ppt)	Tempe (degr		DO Sati (%		DO (m	ig/L)	Turbidity (NTU	) Total Suspe Solids (m	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value Ave.	Value	Ave.
M1	12/12/2024	Mid-Flood	Sunny	Low	10:28	2.6	M	1.30	1	0.089	178.133	7.12	7.11	2.84	2.81	22.1 22.2	22.15	33.9	34.50	2.55	2.60	21.76 21.62	33	28
M1	12/12/2024	Mid-Flood	Sunny	Low	10:28	2.6	M	1.30	2	0.000	170.100	7.1	7.11	2.78	2.01		22.10	35.1	04.00	2.64	2.00	21.48	22	20
M2	12/12/2024	Mid-Flood	Sunny	Low	10:53	2.4	M	1.20	1	0.078	190.404	7.18	7.18	2.80	2.76	22.1 22.2	22.15	36.0	36.75	2.71	2.77	21.99 21.8	19	20
M2	12/12/2024	Mid-Flood	Sunny	Low	10:53	2.4	M	1.20	2	0.010	100.404	7.18	7.10	2.72	2.70	22.2	22.10	37.5	00.70	2.82	2.77	21.63	20	20
M3	12/12/2024	Mid-Flood	Sunny	Low	11:02	2.1	M	1.05	1	0.073	178.788	7.11	7.12	3.24	3.20	22.1	22.15	50.1	49.85	3.77	3.75	30.76 30.80	5 17	21
M3	12/12/2024	Mid-Flood	Sunny	Low	11:02	2.1	М	1.05	2	0.075	170.700	7.12	7.12	3.16	5.20	22.2	22.15	49.6	43.03	3.73	5.75	30.85	24	21
M1	12/12/2024	Mid-Ebb	Sunny	Low	16:34	2.5	М	1.25	1	0.079	304.135	7.17	7.18	2.68	2.71	22.2	22.20	37.0	36.65	2.78	2.76	19.94 20.07	<sub>5</sub> 19	20
M1	12/12/2024	Mid-Ebb	Sunny	Low	16:35	2.5	M	1.25	2	0.073	304.133	7.19	1.10	2.74	2.71	22.2	22.20	36.3	30.05	2.73	2.70	20.21 20.07	21	20
M2	12/12/2024	Mid-Ebb	Sunny	Low	16:13	2.2	M	1.10	1	0.079	302.394	7.18	7.18	2.59	2.64	22.2 22.3	22.25	37.6	37.60	2.83 2.83	2.83	19.44 19.58	25	27
M2	12/12/2024	Mid-Ebb	Sunny	Low	16:13	2.2	М	1.10	2	0.079	502.584	7.17	1.10	2.68	2.04	22.3	22.25	37.6	37.00	2.83	2.03	19.72	29	21
M3	12/12/2024	Mid-Ebb	Sunny	Low	16:49	2	M	1.00	1	0.066	304.423	7.18	7.18	3.39	3.38	22.2	22.25	50.4	50.00	3.79	3.76	29.14 29.29	5 28	30
M3	12/12/2024	Mid-Ebb	Sunny	Low	16:49	2	М	1.00	2	0.000	304.423	7.17	1.10	3.37	3.30	22.3	22.25	49.6	50.00	3.73	3.70	29.45	3 32	30
Remark						-						For Flor	nd Tide							-				

Remark

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.

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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.

For Flood Lide						
Monitoring	D	0	N	TU	S	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	78	104	167
For Ebb Tide						

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

									Ð						In-s	itu Measu	irement							Laborato Analysi	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pl	н	Salinit	y (ppt)	Tempe (degr		DO Sat (%	turation %)	DO (n	ng/L)	Turbidity (N	ITU)	Total Suspe Solids (mę	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value /	Ave.	Value A	Ave.
M1	14/12/2024	Mid-Flood	Sunny	Low	12:19	2.6	М	1.30	1	0.095	182.813	7.19	7.20	2.74	2.73	21.6	21.65	36.6	36.00	2.75	2.71	22.56 2	2.655	2.5	3
M1	14/12/2024	Mid-Flood	Sunny	Low	12:19	2.6	M	1.30	2	0.000	102.010	7.2	1.20	2.71	2.70	21.7	21.00	35.4	00.00	2.66	2.7 1	22.75		2.5	U
M2	14/12/2024	Mid-Flood	Sunny	Low	12:48	2.4	M	1.20	1	0.094	180.449	7.16	7.17	2.87	2.83	21.6	21.60	35.1	35.65	2.64	2.68	23.17 2	3.155	2.5	3
M2	14/12/2024	Mid-Flood	Sunny	Low	12:48	2.4	M	1.20	2	0.034	100.443	7.18	7.17	2.78	2.00	21.6	21.00	36.2	33.03	2.72	2.00	23.14	5.155	2.5	5
M3	14/12/2024	Mid-Flood	Sunny	Low	12:58	2.1	M	1.05	1	0.09	164.123	7.14	7.14	3.27	3.24	21.6	21.60	51.6	51.80	3.88	3.90	31.83	1.92	2.5	3
M3	14/12/2024	Mid-Flood	Sunny	Low	12:58	2.1	М	1.05	2	0.09	104.125	7.14	7.14	3.21	3.24	21.6	21.00	52.0	51.00	3.91	3.90	32.01	1.92	2.5	3
M1	14/12/2024	Mid-Ebb	Sunny	Low	9:48	2.5	M	1.25	1	0.076	327.4	7.2	7.21	2.69	2.69	21.4	21.40	37.4	37.05	2.81	2.79	22.92	3.005	2.5	2
M1	14/12/2024	Mid-Ebb	Sunny	Low	9:48	2.5	M	1.25	2	0.070	527.4	7.21	1.21	2.69	2.09	21.4	21.40	36.7	37.05	2.76	2.19	23.09	5.005	2.5	3
M2	14/12/2024	Mid-Ebb	Sunny	Low	9:22	2.2	M	1.10	1	0.07	328.441	7.19	7.19	2.62	2.64	21.4 21.5	21.45	36.6	36.00	2.75 2.66	2.71	24.30	1.185	2.5	2
M2	14/12/2024	Mid-Ebb	Sunny	Low	9:22	2.2	М	1.10	2	0.07	520.441	7.19	7.19	2.66	2.04	21.5	21.45	35.4	30.00	2.66	2.71	24.07	1.105	2.5	3
M3	14/12/2024	Mid-Ebb	Sunny	Low	9:59	2	М	1.00	1	0.073	318.604	7.19	7.19	3.36	3.40	21.4	21.45	49.6	49.75	3.73	3.74	34.28	1.335	2.5	2
M3	14/12/2024	Mid-Ebb	Sunny	Low	9:59	2	М	1.00	2	0.073	510.004	7.19		3.44	5.40	21.5	21.45	49.9	49.75	3.75	3.74	34.39	1.555	2.5	5

Remark

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. Limit 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.

For Flood Tide						
Monitoring	D	0	N	ΓU	S	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	78	104	167
For Ebb Tide						

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

									e						In-s	itu Measu	rement							Laborat Analy:	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pł	ł	Salinit	y (ppt)	Tempe (degr		DO Sat (%	uration %)	DO (n	ng/L)	Turbidity	(NTU)	Total Susp Solids (r	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	17/12/2024	Mid-Flood	Sunny	Low	14:13	2.6	M	1.30	1	0.095	184.925	7.17	7.17	2.71	2.74	21.0	21.05	36.2	35.60	2.72	2.68	24.34	24.165	26	26
M1	17/12/2024	Mid-Flood	Sunny	Low	14:13	2.6	M	1.30	2	0.000	104.020	7.16	7.17	2.77	2.14	21.1	21.00	35.0	00.00	2.63	2.00	23.99	24.100	25	20
M2	17/12/2024	Mid-Flood	Sunny	Low	14:42	2.4	M	1.20	1	0.088	180.078	7.18	7.18	2.76	2.73	21.0	21.00	37.8	36.90	2.84	2.78	25.95	26	31	33
M2	17/12/2024	Mid-Flood	Sunny	Low	14:42	2.4	M	1.20	2	0.000	100.070	7.18	1.10	2.7	2.15	21	21.00	36.0	30.30	2.71	2.70	26.05	20	35	33
M3	17/12/2024	Mid-Flood	Sunny	Low	14:55	2.1	M	1.05	1	0.09	186.11	7.18	7.17	3.44	3.40	21.0	21.00	49.7	49.20	3.74	3.70	35.91	36.045	35	33
M3	17/12/2024	Mid-Flood	Sunny	Low	14:55	2.1	М	1.05	2	0.03	100.11	7.16	1.11	3.35	5.40	21	21.00	48.7	43.20	3.66	5.70	36.18	30.043	31	33
M1	17/12/2024	Mid-Ebb	Sunny	Low	10:10	2.5	М	1.25	1	0.062	344.17	7.14	7.13	2.66	2.70	20.9	20.95	39.5	38.75	2.97	2.92	24.89	24.995	28	30
M1	17/12/2024	Mid-Ebb	Sunny	Low	10:10	2.5	M	1.25	2	0.002	344.17	7.12	1.15	2.73	2.70	21.0	20.95	38.0	30.75	2.87	2.92	25.1	24.993	31	30
M2	17/12/2024	Mid-Ebb	Sunny	Low	9:44	2.3	M	1.15	1	0.067	344.269	7.15	7.16	2.75	2.71	20.9 20.9	20.90	40.4	39.90	3.04 2.96	3.00	23.54	23.63	33	30
M2	17/12/2024	Mid-Ebb	Sunny	Low	9:44	2.3	М	1.15	2	0.007	344.209	7.17	1.10	2.66	2.71	20.9	20.90	39.4	39.90	2.96	3.00	23.72	20.00	26	30
M3	17/12/2024	Mid-Ebb	Sunny	Low	10:31	2	М	1.00	1	0.065	301.654	7.17	7.18	3.58	3.60	20.9	20.95	52.1	51.25	3.92	3.86	33.55	33.33	26	27
M3	17/12/2024	Mid-Ebb	Sunny	Low	10:31	2	M	1.00	2	0.005	301.034	7.18	-	3.62	3.00	21.0	20.95	50.4	51.25	3.79	3.00	33.11	33.33	27	21

Remark

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. Limit 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.

For Flood Lide						
Monitoring	D	0	N	TU	S	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	78	104	167
For Ebb Tide						

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

									e						In-s	itu Measu	rement							Laboratory Analysis
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pl	Н	Salinit	y (ppt)	Tempe (degr		DO Sat (%	uration %)	DO (r	ng/L)	Turbidity (N		Total Suspended Solids (mg/L)
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value A	ve.	Value Ave.
M1	19/12/2024	Mid-Flood	Sunny	Low	15:38	2.5	M	1.25	1	0.082	174.836	7.2	7.20	2.99	3.03	21.6	21.60	37.2	37.00	2.8	2.79	20.59 20	585	35 40
M1	19/12/2024	Mid-Flood	Sunny	Low	15:38	2.5	M	1.25	2	0.002		7.19	1.20	3.07	0.00	21.6	21.00	36.8	01.00	2.77	20	20.58		45
M2	19/12/2024	Mid-Flood	Sunny	Low	15:55	2.2	M	1.10	1	0.095	166.143	7.11	7.12	3.16	3.13	21.6 21.6	21.60	37.1	36.35	2.79	2.74	21.92 21	725	42 43
M2	19/12/2024	Mid-Flood	Sunny	Low	15:55	2.2	M	1.10	2	0.000	100.140	7.13	7.12	3.1	0.10		21.00	35.6	00.00	2.68	2.14	21.53	120	44
M3	19/12/2024	Mid-Flood	Sunny	Low	16:11	2	M	1.00	1	0.088	189.453	7.13	7.13	3.89	3.92	21.6 21.7	21.65	48.9	48.30	3.68	3.64	31.78	.65	43 45
M3	19/12/2024	Mid-Flood	Sunny	Low	16:11	2	М	1.00	2	0.000	103.400	7.13	7.15	3.94	5.52	21.7	21.00	47.7	40.50	3.59	5.04	31.52	.05	47 43
M1	19/12/2024	Mid-Ebb	Sunny	Low	11:34	2.4	М	1.20	1	0.059	307.112	7.19	7.19	2.82	2.78	21.4 21.5	21.45	34.8	35.35	2.62	2.66	19.91 10	.805	43 40
M1	19/12/2024	Mid-Ebb	Sunny	Low	11:34	2.4	M	1.20	2	0.000	307.112	7.18	7.19	2.74	2.70	21.5	21.45	35.9	35.55	2.7	2.00	19.7	.005	37 40
M2	19/12/2024	Mid-Ebb	Sunny	Low	11:03	2.1	M	1.05	1	0.075	320.868	7.18	7.18	2.97	2.95	21.4	21.40	34.0	34.50	2.56	2.60	19.23	.03	39 39
M2	19/12/2024	Mid-Ebb	Sunny	Low	11:03	2.1	M	1.05	2	0.075	020.000	7.17	7.10	2.92	2.90	21.4	21.40	35.0	54.50	2.63	2.00	18.83	.03	38
M3	19/12/2024	Mid-Ebb	Sunny	Low	11:49	1.9	M	0.95	1	0.067	333.705	7.16	7.17	3.85	3.85	21.4	21.45	49.9	49.00	3.75	3.69	32.29 3	.25	41 40
M3	19/12/2024	Mid-Ebb	Sunny	Low	11:49	1.9	M	0.95	2	0.007	555.705	7.18	7.17	3.85	5.65	21.5	21.40	48.1	+3.00	3.62	5.09	32.21		39 40

Remark

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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. Limit 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.

For Flood Tide						
Monitoring	D	0	N	ΓU	S	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	78	104	167
For Ebb Tide						

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

									е						In-s	itu Measu	rement							Labora Analy	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pł	4	Salinit	y (ppt)	Tempe (degr		DO Sat (%		DO (n	ng/L)	Turbidity	(NTU)	Total Susp Solids (r	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.		Ave.	Value	Ave.
M1	21/12/2024	Mid-Flood	Sunny	Low	17:31	2.5	M	1.25	1	0.087	173.345	7.18	7.18	2.83	2.83	21.2	21.20	35.0	34.00	2.63	2.56	23.09	23.135	19	20
M1	21/12/2024	Mid-Flood	Sunny	Low	17:32	2.5	M	1.25	2	0.001	1101010	7.17	1110	2.83	2.00	21.2	21120	33.0	01.00	2.48	2.00	23.18	-0.100	20	20
M2	21/12/2024	Mid-Flood	Sunny	Low	17:55	2.4	M	1.20	1	0.084	187.294	7.19	7.20	2.82	2.86	21.2	21.20	37.4	37.20	2.81	2.80	23.55	23.72	22	27
M2	21/12/2024	Mid-Flood	Sunny	Low	17:55	2.4	M	1.20	2	0.004	107.204	7.21	7.20	2.9	2.00	21.2	21.20	37.0	07.20	2.78	2.00	23.89	20.72	31	21
M3	21/12/2024	Mid-Flood	Sunny	Low	18:13	2.1	M	1.05	1	0.079	165.303	7.14	7.15	3.33	3.31	21.2 21.2	21.20	48.9	49.65	3.68	3.74	28.65	28.74	19	20
M3	21/12/2024	Mid-Flood	Sunny	Low	18:13	2.1	М	1.05	2	0.073	100.000	7.16	7.15	3.29	5.51	21.2	21.20	50.4	43.03	3.79	5.74	28.83	20.74	20	20
M1	21/12/2024	Mid-Ebb	Sunny	Low	12:49	2.5	М	1.25	1	0.064	318.45	7.11	7.12	2.69	2.71	21.1 21.2	21.15	35.4	35.82	2.66	2.69	19.84	19.98	43	42
M1	21/12/2024	Mid-Ebb	Sunny	Low	12:49	2.5	М	1.25	2	0.004	510.45	7.13	1.12	2.72	2.71	21.2	21.15	36.2	33.02	2.72	2.09	20.12	19.90	40	42
M2	21/12/2024	Mid-Ebb	Sunny	Low	12:27	2.1	M	1.05	1	0.068	308.723	7.16	7.17	2.61	2.62	21.1	21.10	35.1	35.70	2.64	2.69	18.03	17.885	43	42
M2	21/12/2024	Mid-Ebb	Sunny	Low	12:27	2.1	M	1.05	2	0.000	500.725	7.18	1.17	2.63	2.02	21.1	21.10	36.3	35.70	2.73	2.09	17.74	000	41	42
M3	21/12/2024	Mid-Ebb	Sunny	Low	12:58	2	М	1.00	1	0.069	304.411	7.16	7.16	3.55	3.56	21.1	21 10	50.9	50.30	3.83	3.79	29.65 /	29.775	38	42
M3	21/12/2024	Mid-Ebb	Sunny	Low	12:58	2	М	1.00	2	0.009	304.411	7.16	7.10	3.57	3.00	21.1	21.10	49.7	50.50	3.74	3.19	29.9	29.115	45	42

Remark

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For Flood Tide						
Monitoring	D	0	N	ΓU	S	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	78	104	167
For Ebb Tide						

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

									е						In-s	itu Measu	rement							Labora Analy	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pl	Н	Salinit	/ (ppt)	Tempe (degr		DO Sat (%		DO (r	ng/L)	Turbidity	r (NTU)	Total Susp Solids (r	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	24/12/2024	Mid-Flood	Sunny	Low	10:03	2.6	M	1.30	1	0.08	177.879	7.09	7.10	3.21	3.18	21.8	21.80	36.8	36.15	2.77	2.72	18.55	18.525	20	19
M1	24/12/2024	Mid-Flood	Sunny	Low	10:03	2.6	M	1.30	2	0.00	111.010	7.11	7.10	3.15	0.10	21.8	21.00	35.5	00.10	2.67	2.12	18.5	10.020	18	10
M2	24/12/2024	Mid-Flood	Sunny	Low	10:35	2.4	M	1.20	1	0.073	189.017	7.11	7.11	3.17	3.17	21.8 21.9	21.85	35.5	34.55	2.67	2.60	17.66	17.825	22	23
M2	24/12/2024	Mid-Flood	Sunny	Low	10:35	2.4	M	1.20	2	0.010	100.017	7.1	7.11	3.17	0.17		21.00	33.6	04.00	2.53	2.00	17.99	17.020	23	20
M3	24/12/2024	Mid-Flood	Sunny	Low	10:48	2.1	M	1.05	1	0.093	171.252	7.08	7.08	3.88	3.85	21.8 21.8	21.80	51.6	50.75	3.88	3.82	29.55	29.47	25	27
M3	24/12/2024	Mid-Flood	Sunny	Low	10:49	2.1	М	1.05	2	0.035	171.252	7.07	7.00	3.82	5.05		21.00	49.9	30.73	3.75	5.02	29.39	23.41	28	21
M1	24/12/2024	Mid-Ebb	Sunny	Low	14:44	2.5	М	1.25	1	0.071	325.855	7.12	7.12	3.08	3.07	21.6 21.6	21.60	36.4	36.35	2.74	2.74	19.85	19.965	24	31
M1	24/12/2024	Mid-Ebb	Sunny	Low	14:44	2.5	M	1.25	2	0.071	323.033	7.12	1.12	3.06	3.07	21.6	21.00	36.3	30.33	2.73	2.74	20.08	19.905	37	31
M2	24/12/2024	Mid-Ebb	Sunny	Low	14:20	2.3	M	1.15	1	0.066	306.11	7.12	7.12	2.99	2.95	21.6	21.60	36.7	36.70	2.76	2.76	17.33	17.12	30	30
M2	24/12/2024	Mid-Ebb	Sunny	Low	14:21	2.3	M	1.15	2	0.000	000.11	7.12	1.12	2.9	2.90	21.6	21.00	36.7	30.70	2.76	2.70	16.91	17.12	30	50
M3	24/12/2024	Mid-Ebb	Sunny	Low	14:59	2	M	1.00	1	0.07	326.448	7.11	7.12	3.77	3.74	21.6	21.60	50.5	50.40	3.8	3.79	28.31	28.205	32	32
M3	24/12/2024	Mid-Ebb	Sunny	Low	14:59	2	M	1.00	2	0.07	520.440	7.12	1.12	3.71	5.74	21.6	21.00	50.3	50.40	3.78	5.18	28.1	20.205	31	52

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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.

For Flood Tide						
Monitoring	D	0	N	ΓU	S	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	78	104	167
For Ebb Tide						

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

									e						In-s	itu Measu	irement							Laborat Analy:	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pl	4	Salinit	y (ppt)		erature ee C)	DO Sat (%		DO (r	ng/L)	Turbidity	(NTU)	Total Susp Solids (r	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	26/12/2024	Mid-Flood	Sunny	Low	10:07	2.5	M	1.25	1	0.086	181.359	7.2	7.19	2.70	2.67	20.9	20.95	36.3	36.25	2.72	2.72	18.14	17.99	2.5	3
M1	26/12/2024	Mid-Flood	Sunny	Low	10:07	2.5	M	1.25	2	0.000	101.000	7.18	7.10	2.64	2.07	21	20.00	36.2	00.20	2.72	2.12	17.84	17.55	2.5	U
M2	26/12/2024	Mid-Flood	Sunny	Low	10:28	2.3	M	1.15	1	0.075	185.362	7.16	7.15	2.81	2.81	20.9	20.95	35.6	36.00	2.68	2.71	17.90	17.94	2.5	3
M2	26/12/2024	Mid-Flood	Sunny	Low	10:29	2.3	M	1.15	2	0.010	100.002	7.14	7.10	2.8	2.01	21	20.00	36.4	00.00	2.74	2.7 1	17.98	17.54	4	Ŭ
M3	26/12/2024	Mid-Flood	Sunny	Low	10:44	2	M	1.00	1	0.084	185.938	7.17	7.17	3.77	3.68	20.9 20.9	20.90	48.8	48.15	3.67	3.62	29.70	29.515	2.5	3
M3	26/12/2024	Mid-Flood	Sunny	Low	10:44	2	М	1.00	2	0.004	103.330	7.16	7.17	3.58	5.00	20.9	20.30	47.5	40.15	3.57	5.02	29.33	23.313	2.5	3
M1	26/12/2024	Mid-Ebb	Sunny	Low	15:49	2.4	М	1.20	1	0.078	332.363	7.2	7.21	2.64	2.63	20.8	20.85	36.4	35.50	2.74	2.67	17.85	17.86	3	5
M1	26/12/2024	Mid-Ebb	Sunny	Low	15:49	2.4	M	1.20	2	0.070	332.303	7.21	1.21	2.61	2.05	20.9	20.05	34.6	33.30	2.6	2.07	17.87	17.00	6	5
M2	26/12/2024	Mid-Ebb	Sunny	Low	15:22	2	M	1.00	1	0.076	333.764	7.12	7.13	2.70	2.74	20.8	20.85	34.6	33.65	2.6	2.53	16.99	17	5	Б
M2	26/12/2024	Mid-Ebb	Sunny	Low	15:22	2	M	1.00	2	0.070	555.704	7.13	7.15	2.77	2.74	20.9	20.05	32.7	33.05	2.46	2.55	17.01	17	4	5
M3	26/12/2024	Mid-Ebb	Sunny	Low	16:03	1.9	M	0.95	1	0.061	340.144	7.14	7.15	3.26	3.29	20.8	20.85	48.5	48.85	3.65	3.68	28.51	28.295	2.5	3
M3	26/12/2024	Mid-Ebb	Sunny	Low	16:03	1.9	M	0.95	2	0.001	340.144	7.15	7.15	3.32	3.29	20.9	20.05	49.2	40.00	3.7	3.00	28.08	20.295	2.5	3

Remark

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. Limit 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.

For Flood Tide						
Monitoring	D	0	N	TU	S	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	78	104	167
For Ebb Tide						

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

									Ð						In-s	itu Measu	rement							Laborato Analys	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pł	ł	Salinity	(ppt)	Tempe (degr		DO Sat (%	turation %)	DO (m	ig/L)	Turbidity (I	NTU)	Total Suspe Solids (m	
										. ,		Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	28/12/2024	Mid-Flood	Sunny	Low	11:53	2.5	М	1.25	1	0.085	189.38	7.08	7.09	3.33	3.31	20.5 20.5	20.50	33.8	33.15	2.54	2.49	20.55 2	0.515	2.5	3
M1	28/12/2024	Mid-Flood	Sunny	Low	11:53	2.5	M	1.25	2	0.005	103.50	7.1	1.03	3.28	5.51	20.5	20.50	32.5	33.13	2.44	2.43	20.48	5.515	2.5	5
M2	28/12/2024	Mid-Flood	Sunny	Low	12:19	2.3	M	1.15	1	0.083	184.37	7.05	7.04	3.44	3.43	20.5 20.5	20.50	35.9	36.65	2.7	2.76	22.28 2	2.345	2.5	3
M2	28/12/2024	Mid-Flood	Sunny	Low	12:19	2.3	M	1.15	2	0.005	104.57	7.03	7.04	3.42	5.45		20.50	37.4	30.03	2.81	2.70	22.41	2.343	2.5	5
M3	28/12/2024	Mid-Flood	Sunny	Low	12:33	2	M	1.00	1	0.085	165.937	7.11	7.12	4.12	4.14	20.5	20.50	48.0	47.65	3.61	3.59	35.41	5.27	2.5	3
M3	28/12/2024	Mid-Flood	Sunny	Low	12:33	2	М	1.00	2	0.005	103.337	7.12	1.12	4.15	4.14	20.5	20.50	47.3	47.05	3.56	5.55	35.13	5.21	2.5	5
M1	28/12/2024	Mid-Ebb	Sunny	Low	9:36	2.4	М	1.20	1	0.079	318.046	7.18	7.19	3.26	3.24	20.3 20.4	20.35	35.6	34.95	2.68 2.58	2.63	21.83 2	1.885	2.5	2
M1	28/12/2024	Mid-Ebb	Sunny	Low	9:36	2.4	M	1.20	2	0.073	510.040	7.2	1.19	3.22	3.24		20.55	34.3	34.95	2.58	2.05	21.94 2	1.005	2.5	3
M2	28/12/2024	Mid-Ebb	Sunny	Low	9:12	2	M	1.00	1	0.071	326.961	7.15	7.15	3.44	3.41	20.3 20.3	20.30	34.2	34.30	2.57	2.58	22.15	2.245	2.5	2
M2	28/12/2024	Mid-Ebb	Sunny	Low	9:12	2	M	1.00	2	0.071	520.301	7.15	7.15	3.37	5.41	20.3	20.30	34.4	34.30	2.59	2.50	22.34 2	2.245	2.5	3
M3	28/12/2024	Mid-Ebb	Sunny	Low	9:48	1.9	M	0.95	1	0.079	325.271	7.12	7.12	4.38	4.35	20.3	20.30	50.9	51.25	3.83	3.86	36.70	6.88	2.5	2
M3	28/12/2024	Mid-Ebb	Sunny	Low	9:49	1.9	M	0.95	2	0.079	525.271	7.12	1.12	4.32	4.55	20.3	20.30	51.6	51.25	3.88	5.00	37.06	0.00	2.5	5

Remark

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. Limit 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.

For Flood Tide						
Monitoring	D	0	N	TU	S	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	78	104	167
For Ebb Tide						

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

									e						In-s	itu Measu	rement							Laborat Analys	
Monitoring Location	Date	Tide Mode	Weather	Sea Condition	Time	Water Depth (m)	Monitoring Level	Monitoring Level (m)	Replicat	Current Speed (m/s)	Current Direction (°)	pł	ł	Salinit	/ (ppt)	Tempe (degr		DO Sat (%	uration %)	DO (r	ng/L)	Turbidity (	NTU)	Total Susp Solids (n	
												Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.	Value	Ave.
M1	31/12/2024	Mid-Flood	Sunny	Low	13:43	2.4	M	1.20	1	0.093	178.359	7.2	7.20	2.70	2.67	21.5	21.55	38.3	38.75	2.88	2.92	12.55	12.64	31	32
M1	31/12/2024	Mid-Flood	Sunny	Low	13:43	2.4	M	1.20	2	0.000		7.19	1.20	2.63	2.01	21.6	21.00	39.2	00.10	2.95	2.02	12.73	12.01	33	02
M2	31/12/2024	Mid-Flood	Sunny	Low	14:10	2.2	M	1.10	1	0.073	175.52	7.15	7.16	2.75	2.71	21.5 21.5	21.50	41.1	41.30	3.09	3.11	13.44	13.4	45	47
M2	31/12/2024	Mid-Flood	Sunny	Low	14:10	2.2	M	1.10	2	0.010	110.02	7.16	7.10	2.66	2.7 1		21.00	41.5	41.00	3.12	0.11	13.36	10.4	48	41
M3	31/12/2024	Mid-Flood	Sunny	Low	14:28	2	M	1.00	1	0.078	187.844	7.13	7.14	3.26	3.25	21.5 21.5	21.50	51.6 52.7	52.15	3.88	3.92	24.69	4.475	41	40
M3	31/12/2024	Mid-Flood	Sunny	Low	14:28	2	М	1.00	2	0.070	107.044	7.15	7.14	3.24	5.25	21.5	21.50	52.7	52.15	3.96	0.02	24.26	4.475	38	40
M1	31/12/2024	Mid-Ebb	Sunny	Low	9:36	2.4	М	1.20	1	0.068	344.343	7.17	7.18	2.65	2.65	21.6 21.6	21.60	38.7	39.25	2.91	2.95	11.87	12	30	34
M1	31/12/2024	Mid-Ebb	Sunny	Low	9:36	2.4	M	1.20	2	0.000	344.343	7.19	7.10	2.65	2.05	21.6	21.00	39.8	39.23	2.99	2.95	12.13	12	38	34
M2	31/12/2024	Mid-Ebb	Sunny	Low	9:03	2.1	M	1.05	1	0.064	344.736	7.14	7.15	2.61	2.58	21.6	21.60	40.6	39.60	3.05	2.98	12.58	2.715	41	39
M2	31/12/2024	Mid-Ebb	Sunny	Low	9:03	2.1	M	1.05	2	0.004	344.730	7.15	7.15	2.54	2.50	21.6	21.00	38.6	39.00	2.9	2.90	12.85	2.715	36	39
M3	31/12/2024	Mid-Ebb	Sunny	Low	9:48	1.9	M	0.95	1	0.076	300.88	7.17	7.18	3.36	3.39	21.6	21.65	54.8	55.20	4.12	4.15	23.14	2.995	51	55
M3	31/12/2024	Mid-Ebb	Sunny	Low	9:48	1.9	M	0.95	2	0.070	300.00	7.18	7.10	3.41	3.39	21.7	21.05	55.6	55.20	4.18	4.15	22.85	2.995	58	55

Remark

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

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

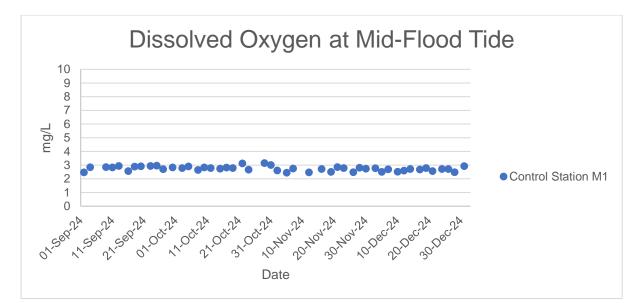
3. Action Level for Turbidity: 95%-ile of baseline data or 120% of upstream control station's turbidity recorded on the same day.

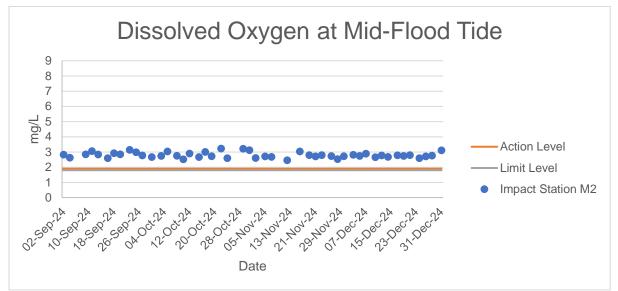
4. Limit Level for Turbidity: 99%-ile of baseline data or 130% of upstream control station's turbidity recorded on the same day.

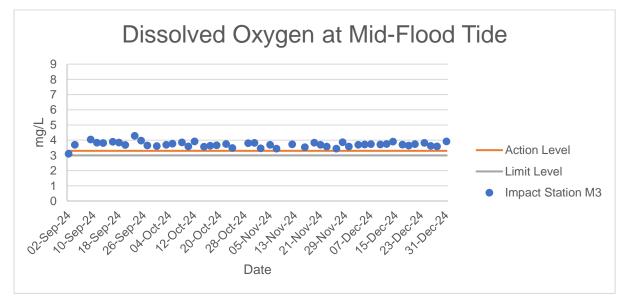
5. Action Level for SS: 95%-ile of baseline data or 120% of upstream control station's SS recorded on the same day.

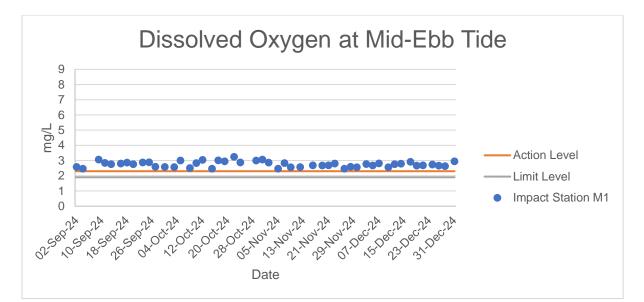
For Flood Tide						
Monitoring	D	0	N	TU	S	S
Location	AL	LL	AL	LL	AL	LL
M2(Impact Station)	1.88	1.79	43.0	52.4	81	112
M3(Impact Station)	3.28	3.14	74	78	104	167
For Ebb Tide						

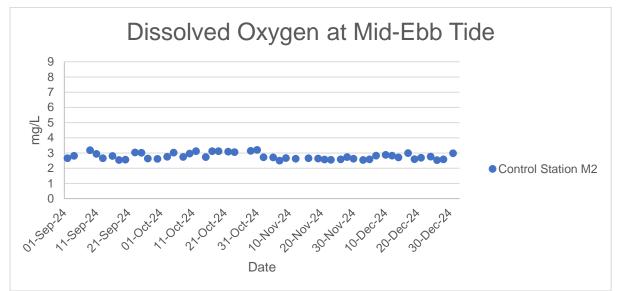
Monitoring	D	0	N	ΓU	S	
Location	AL	LL	AL	LL	AL	LL
M1(Impact Station)	2.25	1.91	48.4	50.4	59	68

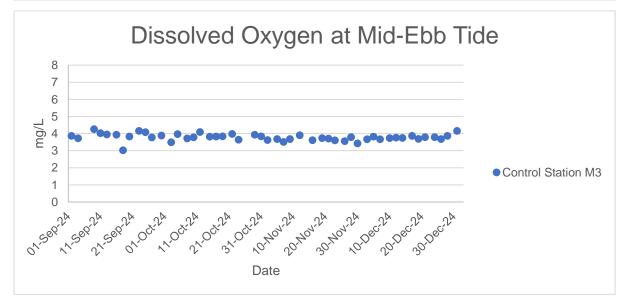


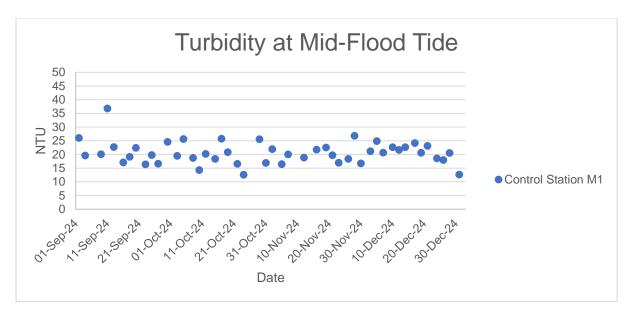


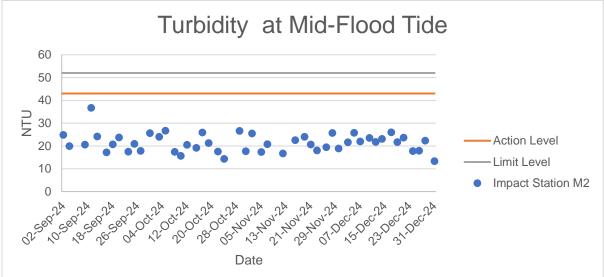


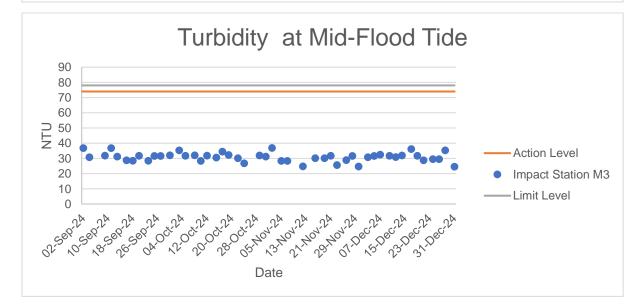


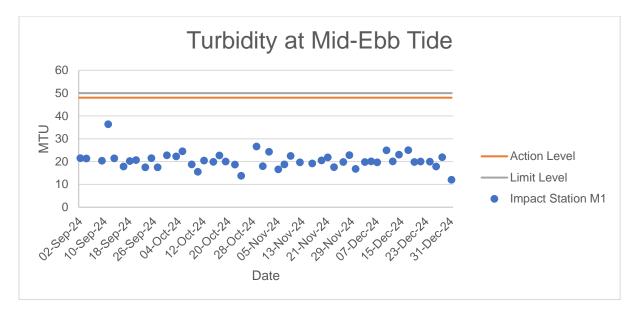


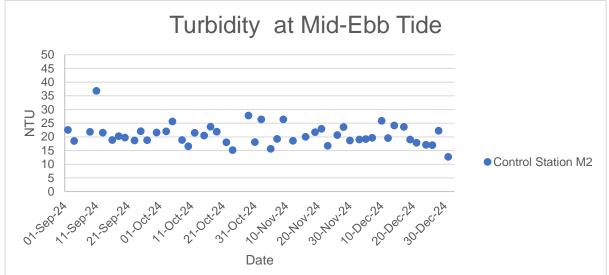


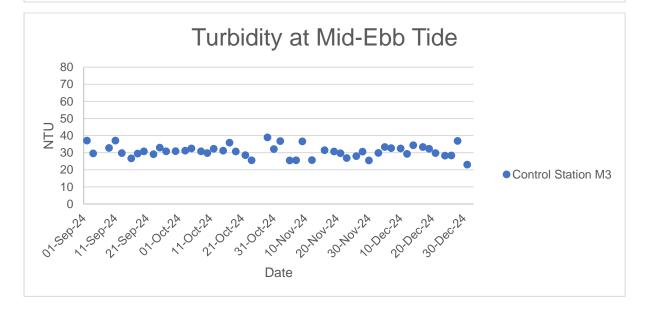


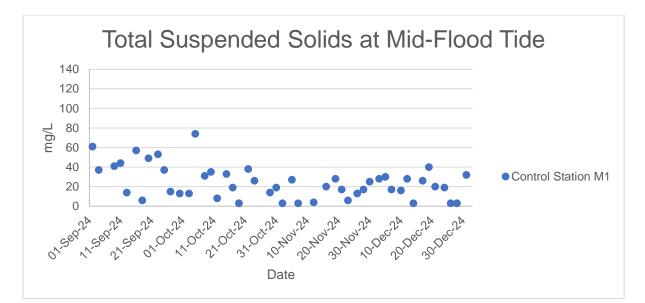


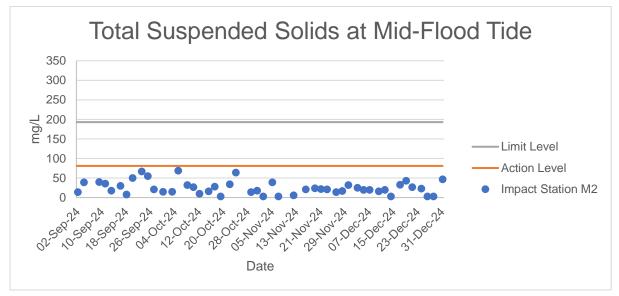


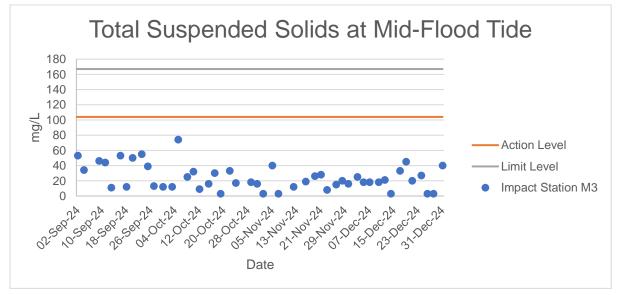


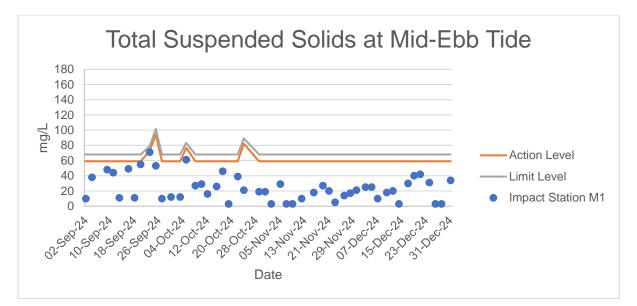


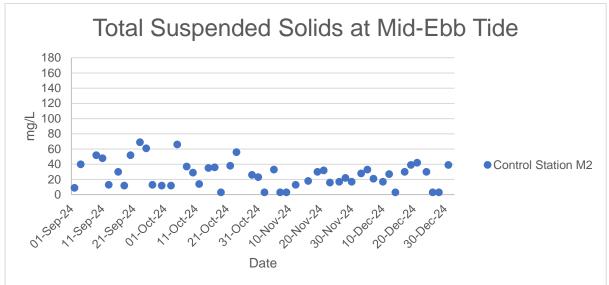


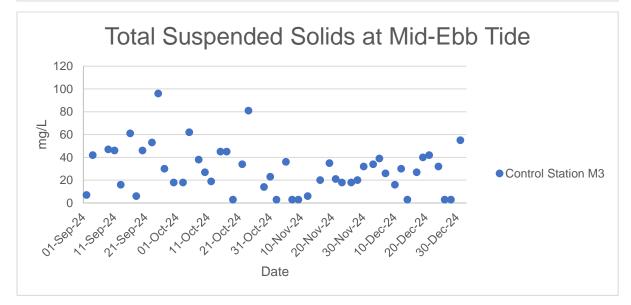












Ecology Monitoring Results for Contract No. SPW 02/2023

Environmental Team for Construction of Yuen long Effluent Polishing Plant Stage 1

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	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 <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	Little Grebe	Tachybaptus ruficollis	4	Common	R	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	Great Cormorant	Phalacrocorax carbo	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	Spotted Dove	Spilopelia chinensis	1	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	Dusky Warbler	Phylloscopus fuscatus	1	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	Black-collared Starling	Gracupica nigricollis	4	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW1	White Wagtail	Motacilla alba	1	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW2	Little Grebe	Tachybaptus ruficollis	2	Common	R	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW2	Little Egret	Egretta garzetta	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW2	Common Sandpiper	Actitis hypoleucos	1	Common	PM,WV	-	-	-	LC	LC	Ν	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW2	Black-collared Starling	Gracupica nigricollis	10	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW2	White Wagtail	Motacilla alba	4	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW3	Chinese Bulbul	Pycnonotus sinensis	2	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW3	Crested Myna	Acridotheres cristatellus	2	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Little Grebe	Tachybaptus ruficollis	4	Common	R	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Great Cormorant	Phalacrocorax carbo	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Black Kite	Milvus migrans	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Common Moorhen	Gallinula chloropus	2	Common	R	-	-	-	LC	LC	Ν	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Pied Kingfisher	Ceryle rudis	1	Uncommon	R	-	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Long-tailed Shrike	Lanius schach	1	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Chinese Bulbul	Pycnonotus sinensis	4	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Yellow-browed Warbler	Phylloscopus inornatus	1	Common	WV,Sp	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Dusky Warbler	Phylloscopus fuscatus	1	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Plain Prinia	Prinia inornata	3	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Swinhoe's White- eye	Zosterops simplex	3	Abundant	R	-	-	-	LC	LC	Ν	N

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	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 <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Black-collared Starling	Gracupica nigricollis	8	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Stejneger's Stonechat	Saxicola stejnegeri	2	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Scaly-breasted Munia	Lonchura punctulata	4	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	White Wagtail	Motacilla alba	2	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW4	Black-faced Bunting	Emberiza spodocephala	2	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Chinese Pond Heron	Ardeola bacchus	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Eastern Cattle Egret	Bubulcus coromandus	3	Common	R.PM	(LC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Grey Heron	Ardea cinerea	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Great Egret	Ardea alba	1	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Great Cormorant	Phalacrocorax carbo	13	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	White-breasted Waterhen	Amaurornis phoenicurus	2	Common	R	-	-	-	LC	LC	Ν	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Common Sandpiper	Actitis hypoleucos	2	Common	PM,WV	-	-	-	LC	LC	Ν	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Spotted Dove	Spilopelia chinensis	2	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Asian Koel	Eudynamys scolopaceus	1	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Long-tailed Shrike	Lanius schach	1	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Collared Crow	Corvus torquatus	2	Uncommon	R	LC	-	-	NT	VU	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Red-whiskered Bulbul	Pycnonotus jocosus	3	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Yellow-browed Warbler	Phylloscopus inornatus	1	Common	WV,Sp	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Dusky Warbler	Phylloscopus fuscatus	1	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Black-collared Starling	Gracupica nigricollis	25	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Oriental Magpie Robin	Copsychus saularis	1	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Daurian Redstart	Phoenicurus auroreus	1	Common	WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Eurasian Tree Sparrow	Passer montanus	5	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	White Wagtail	Motacilla alba	2	Common	PM,WV	-	-	-	LC	LC	N	N

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	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 <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Richard's Pipit	Anthus richardi	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW5	Eurasian Spoonbill	Platalea leucorodia	1	w	W	LC	Class II	VU	NT	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Tufted Duck	Aythya fuligula	4	Uncommon	WV	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Little Grebe	Tachybaptus ruficollis	3	Common	R	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Great Cormorant	Phalacrocorax carbo	6	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Red-whiskered Bulbul	Pycnonotus jocosus	4	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Yellow-bellied Prinia	Prinia flaviventris	3	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW6	Stejneger's Stonechat	Saxicola stejnegeri	1	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Spotted Dove	Spilopelia chinensis	5	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Greater Coucal	Centropus sinensis	1	Common	R	-	Class II	VU	LC	LC	Y	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	White-throated Kingfisher	Halcyon smyrnensis	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Azure-winged Magpie	Cyanopica cyanus	19	Introduced	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Dusky Warbler	Phylloscopus fuscatus	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Black-collared Starling	Gracupica nigricollis	30	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	Oriental Magpie Robin	Copsychus saularis	1	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Point Count	FLW7	White Wagtail	Motacilla alba	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Tufted Duck	Aythya fuligula	6	Uncommon	WV	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Chinese Pond Heron	Ardeola bacchus	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Great Cormorant	Phalacrocorax carbo	2	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	FLW	Transect	FLW	White-breasted Waterhen	Amaurornis phoenicurus	1	Common	R	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Common Moorhen	Gallinula chloropus	1	Common	R	-	-	-	LC	LC	N	Y
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Spotted Dove	Spilopelia chinensis	6	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Azure-winged Magpie	Cyanopica cyanus	2	Introduced	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Red-whiskered Bulbul	Pycnonotus jocosus	8	Abundant	R	-	-	-	LC	LC	N	N

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	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 <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Yellow-browed Warbler	Phylloscopus inornatus	1	Common	WV,Sp	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Dusky Warbler	Phylloscopus fuscatus	3	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Yellow-bellied Prinia	Prinia flaviventris	1	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Common Tailorbird	Orthotomus sutorius	1	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Masked Laughingthrush	Pterorhinus perspicillatus	4	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Swinhoe's White- eye	Zosterops simplex	3	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Black-collared Starling	Gracupica nigricollis	10	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Stejneger's Stonechat	Saxicola stejnegeri	1	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	Scaly-breasted Munia	Lonchura punctulata	2	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	FLW	Transect	FLW	White Wagtail	Motacilla alba	1	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Chinese Pond Heron	Ardeola bacchus	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Grey Heron	Ardea cinerea	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Little Egret	Egretta garzetta	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Great Cormorant	Phalacrocorax carbo	85	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Black Kite	Milvus migrans	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Common Sandpiper	Actitis hypoleucos	1	Common	PM,WV	-	-	-	LC	LC	Ν	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Collared Dove	Streptopelia decaocto	2	Common	-	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Spotted Dove	Spilopelia chinensis	2	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Asian Koel	Eudynamys scolopaceus	1	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Common Kingfisher	Alcedo atthis	1	Common	PM,WV	-	-	-	LC	LC	Ν	Y
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Azure-winged Magpie	Cyanopica cyanus	6	Introduced	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Large-billed Crow	Corvus macrorhynchos	1	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Red-whiskered Bulbul	Pycnonotus jocosus	8	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Yellow-browed Warbler	Phylloscopus inornatus	1	Common	WV,Sp	-	-	-	LC	LC	Ν	N

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4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Dusky Warbler	Phylloscopus fuscatus	1	Common	PM,WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Yellow-bellied Prinia	Prinia flaviventris	2	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Plain Prinia	Prinia inornata	1	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Common Tailorbird	Orthotomus sutorius	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Masked Laughingthrush	Pterorhinus perspicillatus	5	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Crested Myna	Acridotheres cristatellus	14	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	White-cheeked Starling	Spodiopsar cineraceus	1	Common	WV	PRC	-	-	-	-	Y	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Black-collared Starling	Gracupica nigricollis	4	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Daurian Redstart	Phoenicurus auroreus	1	Common	WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	Eurasian Tree Sparrow	Passer montanus	15	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	NSW1	White Wagtail	Motacilla alba	5	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Northern Shoveler	Spatula clypeata	8	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Eurasian Teal	Anas crecca	3	Common	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Chinese Pond Heron	Ardeola bacchus	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Grey Heron	Ardea cinerea	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Great Cormorant	Phalacrocorax carbo	2	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-winged stilt	Himantopus himantopus	7	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Pied Avocet	Recurvirostra avosetta	2	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Little Ringed Plover	Charadrius dubius	2	Common	WV,PM	(LC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Marsh Sandpiper	Tringa stagnatilis	1	Common	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Common Greenshank	Tringa nebularia	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Spotted Dove	Spilopelia chinensis	2	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Azure-winged Magpie	Cyanopica cyanus	4	Introduced	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Red-whiskered Bulbul	Pycnonotus jocosus	4	Abundant	R	-	-	-	LC	LC	N	N

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4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Chinese Bulbul	Pycnonotus sinensis	3	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Dusky Warbler	Phylloscopus fuscatus	1	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Plain Prinia	Prinia inornata	1	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Swinhoe's White- eye	Zosterops simplex	6	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Crested Myna	Acridotheres cristatellus	20	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Black-collared Starling	Gracupica nigricollis	6	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Oriental Magpie Robin	Copsychus saularis	1	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW1	Glossy Ibis	Plegadis falcinellus	1	Vagrant	-	-	Class I	-	NT	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Northern Shoveler	Spatula clypeata	5	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Eurasian Teal	Anas crecca	4	Common	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-faced Spoonbill	Platalea minor	4	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Chinese Pond Heron	Ardeola bacchus	7	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Grey Heron	Ardea cinerea	2	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Little Egret	Egretta garzetta	1	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Great Cormorant	Phalacrocorax carbo	7	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Black-winged stilt	Himantopus himantopus	4	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Sandpiper	Actitis hypoleucos	2	Common	PM,WV	-	-	-	LC	LC	Ν	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Redshank	Tringa totanus	1	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Common Greenshank	Tringa nebularia	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Azure-winged Magpie	Cyanopica cyanus	2	Introduced	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Japanese Tit	Parus minor	2	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Dusky Warbler	Phylloscopus fuscatus	1	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Swinhoe's White- eye	Zosterops simplex	4	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Red-billed Starling	Spodiopsar sericeus	14	Common	WV	GC	-	-	LC	LC	Y	Y

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4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW2	Oriental Magpie Robin	Copsychus saularis	1	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Garganey	Spatula querquedula	9	Common	M,W	-	-	-	-	LC	Ν	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Northern Shoveler	Spatula clypeata	46	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Wigeon	Mareca penelope	30	Common	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Eurasian Teal	Anas crecca	32	Common	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Tufted Duck	Aythya fuligula	125	Uncommon	WV	LC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Chinese Pond Heron	Ardeola bacchus	14	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black Kite	Milvus migrans	1	Common	R,WV	(RC)	Class II	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Moorhen	Gallinula chloropus	13	Common	R	-	-	-	LC	LC	Ν	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Black-winged stilt	Himantopus himantopus	30	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Pied Avocet	Recurvirostra avosetta	6	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Snipe	Gallinago gallinago	1	Common	PM,WV		-	-	LC	LC	Ν	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Redshank	Tringa totanus	3	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Marsh Sandpiper	Tringa stagnatilis	2	Common	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Common Greenshank	Tringa nebularia	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Azure-winged Magpie	Cyanopica cyanus	14	Introduced	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Yellow-browed Warbler	Phylloscopus inornatus	2	Common	WV,Sp	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Point Count	SP/NSW3	Northern Pintail	Anas acuta	3	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Northern Shoveler	Spatula clypeata	2	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Chinese Pond Heron	Ardeola bacchus	2	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Great Cormorant	Phalacrocorax carbo	1	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Red-whiskered Bulbul	Pycnonotus jocosus	4	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Chinese Bulbul	Pycnonotus sinensis	3	Abundant	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Dusky Warbler	Phylloscopus fuscatus	2	Common	PM,WV	-	-	-	LC	LC	N	N

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	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 <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Yellow-bellied Prinia	Prinia flaviventris	1	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Plain Prinia	Prinia inornata	2	Common	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Common Tailorbird	Orthotomus sutorius	1	Common	R	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	Daurian Redstart	Phoenicurus auroreus	1	Common	WV	-	-	-	LC	LC	N	N
4/12/2024	Daytime	Dry	NSW	Transect	NSW	White Wagtail	Motacilla alba	1	Common	PM,WV	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Northern Shoveler	Spatula clypeata	19	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Eurasian Teal	Anas crecca	34	Common	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Black-faced Spoonbill	Platalea minor	2	Common	WV	PGC	Class II	EN	EN	EN	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Chinese Pond Heron	Ardeola bacchus	10	Common	R	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Grey Heron	Ardea cinerea	2	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Great Egret	Ardea alba	2	Common	R,WV	PRC (RC)	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Great Cormorant	Phalacrocorax carbo	2	Common	WV	PRC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	White-breasted Waterhen	Amaurornis phoenicurus	1	Common	R	-	-	-	LC	LC	Ν	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Black-winged stilt	Himantopus himantopus	33	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Pied Avocet	Recurvirostra avosetta	3	Abundant	WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Common Sandpiper	Actitis hypoleucos	2	Common	PM,WV	-	-	-	LC	LC	Ν	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Common Redshank	Tringa totanus	5	Common	PM	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Common Greenshank	Tringa nebularia	2	Abundant	PM,WV	RC	-	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Spotted Dove	Spilopelia chinensis	2	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	White-throated Kingfisher	Halcyon smyrnensis	1	Common	R	(LC)	Class II	-	LC	LC	Y	Y
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Azure-winged Magpie	Cyanopica cyanus	3	Introduced	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Red-whiskered Bulbul	Pycnonotus jocosus	4	Abundant	R	-	-	-	LC	LC	Ν	N
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Yellow-browed Warbler	Phylloscopus inornatus	2	Common	WV,Sp	-	-	-	LC	LC	Ν	Ν
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Plain Prinia	Prinia inornata	1	Common	R	-	-	-	LC	LC	Ν	N

Date (dd/mm/yyyy)	Daytime/ Night time	Season	Area	Transect / Point Count	Point Count (Location) / Transect	Common Name	Scientific Name	Abundance	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 <sup>9</sup>	IUCN Red List <sup>7</sup> (v.2020-3)	Species of Conservation Importance	Wetland Dependent <sup>8</sup>
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Crested Myna	Acridotheres cristatellus	5	Common	R	-	-	-	LC	LC	Ν	Ν
4/12/2024	Daytime	Dry	YLIE- CW	Transect	YLIE-CW	Oriental Magpie Robin	Copsychus saularis	1	Abundant	R	-	-	-	LC	LC	N	Ν
18/12/2024	Night-time	Dry	FLW	Point Count	FLW2	Black-crowned Night Heron	Nycticorax nycticorax	5	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Point Count	FLW4	Little Grebe	Tachybaptus ruficollis	1	Common	R	LC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Point Count	FLW4	Savanna Nightjar	Caprimulgus affinis	3	Uncommon	R.PM	-	-	-	DD	-	Ν	Ν
18/12/2024	Night-time	Dry	FLW	Point Count	FLW5	Black-crowned Night Heron	Nycticorax nycticorax	3	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Point Count	FLW5	Grey Heron	Ardea cinerea	2	Common	WV	PRC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Point Count	FLW6	Black-crowned Night Heron	Nycticorax nycticorax	1	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Transect	FLW	Northern Shoveler	Spatula clypeata	2	Abundant	WV	RC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Transect	FLW	Little Grebe	Tachybaptus ruficollis	2	Common	R	LC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	FLW	Transect	FLW	Black-crowned Night Heron	Nycticorax nycticorax	1	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	NSW	Point Count	NSW1	Black-crowned Night Heron	Nycticorax nycticorax	2	Common	R,WV	(LC)	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	NSW	Point Count	SP/NSW1	Eurasian Teal	Anas crecca	10	Common	WV	RC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	NSW	Point Count	SP/NSW1	Black-winged stilt	Himantopus himantopus	5	Common	PM	RC	-	-	LC	LC	Y	Y
18/12/2024	Night-time	Dry	NSW	Point Count	SP/NSW2	Black-winged stilt	Himantopus himantopus	20	Common	PM	RC	-	-	LC	LC	Y	Y

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): 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.

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

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

Appendix F.2.1 Ecological Bird Monitoring Diversity (All avifauna species in Point Count Method) in All Habitats (4 and 18 December 2024)

Scientific Name	Count	Р	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
Spatula querquedula	9	0.0098	-4.6206	-0.0455	0.2102
Spatula clypeata	59	0.0646	-2.7403	-0.1769	0.4847
Mareca penelope	30	0.0328	-3.4166	-0.1121	0.3832
Anas acuta	3	0.0033	-5.7192	-0.0188	0.1074
Anas crecca	49	0.0536	-2.9260	-0.1569	0.4590
Aythya fuligula	129	0.1411	-1.9580	-0.2764	0.5411
Tachybaptus ruficollis	14	0.0153	-4.1788	-0.0640	0.2675
Plegadis falcinellus	1	0.0011	-6.8178	-0.0075	0.0509
Platalea leucorodia	1	0.0011	-6.8178	-0.0075	0.0509
Platalea minor	4	0.0044	-5.4315	-0.0238	0.1291
Nycticorax nycticorax	11	0.0120	-4.4199	-0.0532	0.2351
Ardeola bacchus	26	0.0284	-3.5597	-0.1013	0.3605
Bubulcus coromandus	3	0.0033	-5.7192	-0.0188	0.1074
Ardea cinerea	7	0.0077	-4.8719	-0.0373	0.1818
Ardea alba	1	0.0011	-6.8178	-0.0075	0.0509
Egretta garzetta	3	0.0033	-5.7192	-0.0188	0.1074
Phalacrocorax carbo	115	0.1258	-2.0729	-0.2608	0.5406
Milvus migrans	3	0.0033	-5.7192	-0.0188	0.1074
Amaurornis phoenicurus	2	0.0022	-6.1247	-0.0134	0.0821
Gallinula chloropus	15	0.0164	-4.1098	-0.0674	0.2772
Himantopus himantopus	66	0.0722	-2.6282	-0.1898	0.4988
Recurvirostra avosetta	8	0.0088	-4.7384	-0.0415	0.1965
Charadrius dubius	2	0.0022	-6.1247	-0.0134	0.0821
Gallinago gallinago	1	0.0011	-6.8178	-0.0075	0.0509
Actitis hypoleucos	6	0.0066	-5.0261	-0.0330	0.1658
Tringa totanus	4	0.0044	-5.4315	-0.0238	0.1291
Tringa stagnatilis	3	0.0033	-5.7192	-0.0188	0.1074
Tringa nebularia	6	0.0066	-5.0261	-0.0330	0.1658
Streptopelia decaocto	2	0.0022	-6.1247	-0.0134	0.0821
Spilopelia chinensis	12	0.0131	-4.3329	-0.0569	0.2465
Centropus sinensis	1	0.0011	-6.8178	-0.0075	0.0509
Eudynamys scolopaceus	2	0.0022	-6.1247	-0.0134	0.0821
Caprimulgus affinis	3	0.0033	-5.7192	-0.0188	0.1074
Halcyon smyrnensis	1	0.0011	-6.8178	-0.0075	0.0509
Alcedo atthis	1	0.0011	-6.8178	-0.0075	0.0509
Ceryle rudis	1	0.0011	-6.8178	-0.0075	0.0509
Lanius schach	2	0.0022	-6.1247	-0.0134	0.0821
Cyanopica cyanus	45	0.0492	-3.0112	-0.1483	0.4464
Corvus torquatus	2	0.0022	-6.1247	-0.0134	0.0821
Corvus macrorhynchos	1	0.0011	-6.8178	-0.0075	0.0509
Parus minor	2	0.0022	-6.1247	-0.0134	0.0821
Pycnonotus jocosus	19	0.0208	-3.8734	-0.0805	0.3119
Pycnonotus sinensis	9	0.0098	-4.6206	-0.0455	0.2102
Phylloscopus inornatus	5	0.0055	-5.2084	-0.0285	0.1484
Phylloscopus fuscatus	7	0.0077	-4.8719	-0.0373	0.1818
Prinia flaviventris	5	0.0055	-5.2084	-0.0285	0.1484
Prinia inornata	5	0.0055	-5.2084	-0.0285	0.1484
Orthotomus sutorius	1	0.0011	-6.8178	-0.0075	0.0509
Pterorhinus perspicillatus	5	0.0055	-5.2084	-0.0285	0.1484

Scientific Name	Count	Р	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
Zosterops simplex	13	0.0142	-4.2529	-0.0605	0.2573
Acridotheres cristatellus	36	0.0394	-3.2343	-0.1274	0.4120
Spodiopsar sericeus	14	0.0153	-4.1788	-0.0640	0.2675
Spodiopsar cineraceus	1	0.0011	-6.8178	-0.0075	0.0509
Gracupica nigricollis	87	0.0952	-2.3519	-0.2239	0.5265
Copsychus saularis	4	0.0044	-5.4315	-0.0238	0.1291
Phoenicurus auroreus	2	0.0022	-6.1247	-0.0134	0.0821
Saxicola stejnegeri	3	0.0033	-5.7192	-0.0188	0.1074
Passer montanus	20	0.0219	-3.8221	-0.0836	0.3197
Lonchura punctulata	4	0.0044	-5.4315	-0.0238	0.1291
Motacilla alba	15	0.0164	-4.1098	-0.0674	0.2772
Anthus richardi	1	0.0011	-6.8178	-0.0075	0.0509
Emberiza spodocephala	2	0.0022	-6.1247	-0.0134	0.0821
Total	914	1	-318.4834	-3.1949	11.6353
Richness	62				
SS	11.6353				
SQ	10.2075				
Н	3.1949				
S²H	0.0016				

Appendix F.2.2 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Point Count Method) in All Habitats (4 and 18 December 2024)

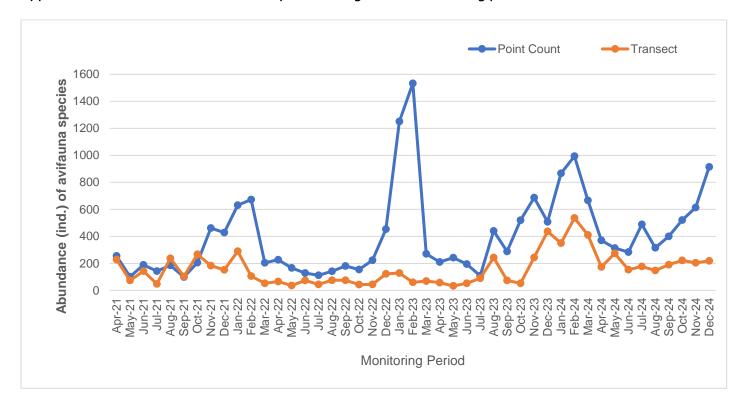
Scientific Name	Count	Р	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
Spatula clypeata	59	0.1039	-2.2646	-0.2352	0.5327
Mareca penelope	30	0.0528	-2.9409	-0.1553	0.4568
Anas acuta	3	0.0053	-5.2435	-0.0277	0.1452
Anas crecca	49	0.0863	-2.4503	-0.2114	0.5179
Aythya fuligula	129	0.2271	-1.4823	-0.3367	0.4990
Tachybaptus ruficollis	14	0.0246	-3.7031	-0.0913	0.3380
Plegadis falcinellus	1	0.0018	-6.3421	-0.0112	0.0708
Platalea leucorodia	1	0.0018	-6.3421	-0.0112	0.0708
Platalea minor	4	0.0070	-4.9558	-0.0349	0.1730
Nycticorax nycticorax	11	0.0194	-3.9442	-0.0764	0.3013
Ardeola bacchus	26	0.0458	-3.0840	-0.1412	0.4354
Bubulcus coromandus	3	0.0053	-5.2435	-0.0277	0.1452
Ardea cinerea	7	0.0123	-4.3962	-0.0542	0.2382
Ardea alba	1	0.0018	-6.3421	-0.0112	0.0708
Egretta garzetta	3	0.0053	-5.2435	-0.0277	0.1452
Phalacrocorax carbo	115	0.2025	-1.5972	-0.3234	0.5165
Milvus migrans	3	0.0053	-5.2435	-0.0277	0.1452
Himantopus himantopus	66	0.1162	-2.1525	-0.2501	0.5384
Recurvirostra avosetta	8	0.0141	-4.2627	-0.0600	0.2559
Charadrius dubius	2	0.0035	-5.6490	-0.0199	0.1124
Tringa totanus	4	0.0070	-4.9558	-0.0349	0.1730
Tringa stagnatilis	3	0.0053	-5.2435	-0.0277	0.1452
Tringa nebularia	6	0.0106	-4.5504	-0.0481	0.2187
Centropus sinensis	1	0.0018	-6.3421	-0.0112	0.0708
Halcyon smyrnensis	1	0.0018	-6.3421	-0.0112	0.0708
Ceryle rudis	1	0.0018	-6.3421	-0.0112	0.0708
Corvus torquatus	2	0.0035	-5.6490	-0.0199	0.1124
Spodiopsar sericeus	14	0.0246	-3.7031	-0.0913	0.3380
Spodiopsar cineraceus	1	0.0018	-6.3421	-0.0112	0.0708
Total	568	1	-132.3534	-2.4007	6.9792
Richness	29				
SS	6.9792				
SQ	5.7632				
Н	2.4007				
S <sup>2</sup> H	0.0022				

Appendix F.2.3 Ecological Bird Monitoring Diversity (All avifauna species in Transect Walk Method) in All Habitats (4 and 18 December 2024)

Scientific Name	Count	Р	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
Spatula clypeata	23	0.1055	-2.2490	-0.2373	0.5336
Anas crecca	34	0.1560	-1.8581	-0.2898	0.5385
Aythya fuligula	6	0.0275	-3.5927	-0.0989	0.3553
Tachybaptus ruficollis	2	0.0092	-4.6913	-0.0430	0.2019
Platalea minor	2	0.0092	-4.6913	-0.0430	0.2019
Nycticorax nycticorax	1	0.0046	-5.3845	-0.0247	0.1330
Ardeola bacchus	13	0.0596	-2.8195	-0.1681	0.4741
Ardea cinerea	2	0.0092	-4.6913	-0.0430	0.2019
Ardea alba	2	0.0092	-4.6913	-0.0430	0.2019
Phalacrocorax carbo	7	0.0321	-3.4386	-0.1104	0.3797
Amaurornis phoenicurus	2	0.0092	-4.6913	-0.0430	0.2019
Gallinula chloropus	1	0.0046	-5.3845	-0.0247	0.1330
Himantopus himantopus	33	0.1514	-1.8880	-0.2858	0.5396
Recurvirostra avosetta	3	0.0138	-4.2859	-0.0590	0.2528
Actitis hypoleucos	2	0.0092	-4.6913	-0.0430	0.2019
Tringa totanus	5	0.0229	-3.7751	-0.0866	0.3269
Tringa nebularia	2	0.0092	-4.6913	-0.0430	0.2019
Spilopelia chinensis	8	0.0367	-3.3051	-0.1213	0.4009
Halcyon smyrnensis	1	0.0046	-5.3845	-0.0247	0.1330
Cyanopica cyanus	5	0.0229	-3.7751	-0.0866	0.3269
Pycnonotus jocosus	16	0.0734	-2.6119	-0.1917	0.5007
Pycnonotus sinensis	3	0.0138	-4.2859	-0.0590	0.2528
Phylloscopus inornatus	3	0.0138	-4.2859	-0.0590	0.2528
Phylloscopus fuscatus	5	0.0229	-3.7751	-0.0866	0.3269
Prinia flaviventris	2	0.0092	-4.6913	-0.0430	0.2019
Prinia inornata	3	0.0138	-4.2859	-0.0590	0.2528
Orthotomus sutorius	3	0.0138	-4.2859	-0.0590	0.2528
Pterorhinus perspicillatus	4	0.0183	-3.9982	-0.0734	0.2933
Zosterops simplex	3	0.0138	-4.2859	-0.0590	0.2528
Acridotheres cristatellus	5	0.0229	-3.7751	-0.0866	0.3269
Gracupica nigricollis	10	0.0459	-3.0819	-0.1414	0.4357
Copsychus saularis	1	0.0046	-5.3845	-0.0247	0.1330
Phoenicurus auroreus	1	0.0046	-5.3845	-0.0247	0.1330
Saxicola stejnegeri	1	0.0046	-5.3845	-0.0247	0.1330
Lonchura punctulata	2	0.0092	-4.6913	-0.0430	0.2019
Motacilla alba	2	0.0092	-4.6913	-0.0430	0.2019
Total	218	1	-148.8790	-2.9968	10.0925
Richness	36				
SS	10.0925				
SQ	8.9811				
Н	2.9968				
S <sup>2</sup> H	0.0055				

Scientific Name	Count	Р	Ln(P)	P*Ln(P)	P*Ln(P) <sup>2</sup>
Spatula clypeata	23	0.1691	-1.7772	-0.3005	0.5341
Anas crecca	34	0.2500	-1.3863	-0.3466	0.4805
Aythya fuligula	6	0.0441	-3.1209	-0.1377	0.4297
Tachybaptus ruficollis	2	0.0147	-4.2195	-0.0621	0.2618
Platalea minor	2	0.0147	-4.2195	-0.0621	0.2618
Nycticorax nycticorax	1	0.0074	-4.9127	-0.0361	0.1775
Ardeola bacchus	13	0.0956	-2.3477	-0.2244	0.5269
Ardea cinerea	2	0.0147	-4.2195	-0.0621	0.2618
Ardea alba	2	0.0147	-4.2195	-0.0621	0.2618
Phalacrocorax carbo	7	0.0515	-2.9667	-0.1527	0.4530
Himantopus himantopus	33	0.2426	-1.4161	-0.3436	0.4866
Recurvirostra avosetta	3	0.0221	-3.8140	-0.0841	0.3209
Tringa totanus	5	0.0368	-3.3032	-0.1214	0.4011
Tringa nebularia	2	0.0147	-4.2195	-0.0621	0.2618
Halcyon smyrnensis	1	0.0074	-4.9127	-0.0361	0.1775
Total	136	1	-51.0551	-2.0936	5.2969
Richness	15				
SS	5.2969				
SQ	4.3833				
Н	2.0936				
S <sup>2</sup> H	0.0071				

Appendix F.2.4 Ecological Bird Monitoring Diversity (Avifauna species of conservation importance in Transect Walk Method) in All Habitats (4 and 18 December 2024)



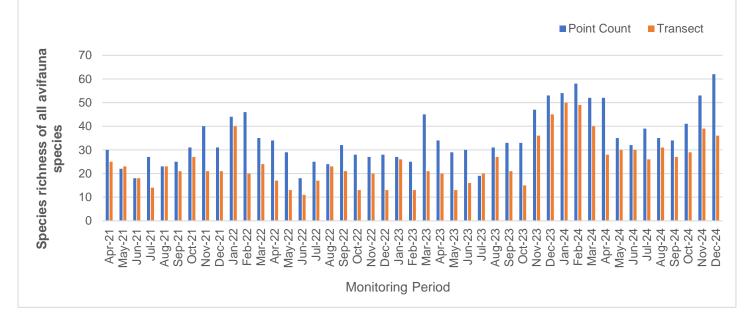
Appendix F.3.1 Abundance of all avifauna species throughout the monitoring period

Point Count Transect Abundance (ind.) of avifauna species with 1600 1400 1200 conservation importance 1000

Apr-21 Jun-21 Jun-21 Jun-21 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Jun-22 Sep-22 Sep-22 Jun-22 Sep-23 Jun-24 Jun-22 Ju

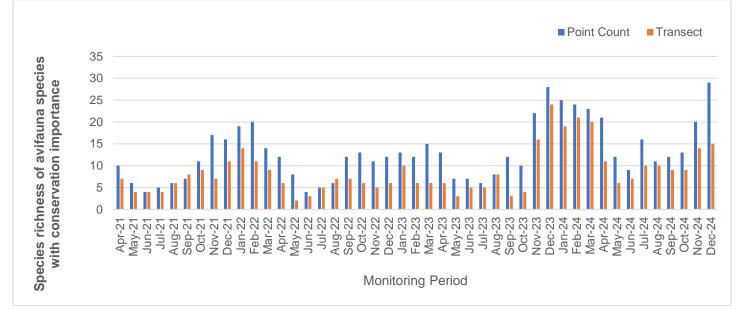
Monitoring Period

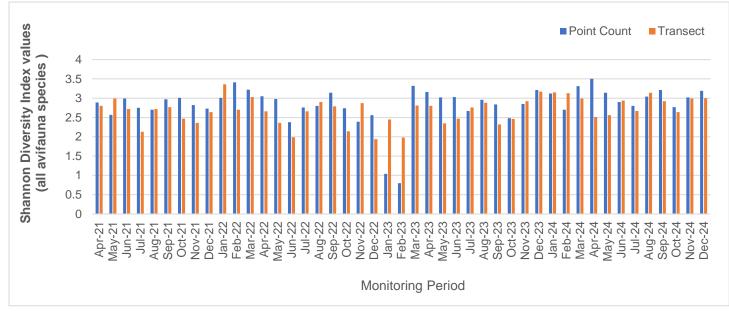
Appendix F.3.2 Abundance of avifauna species with conservation importance throughout the monitoring period



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

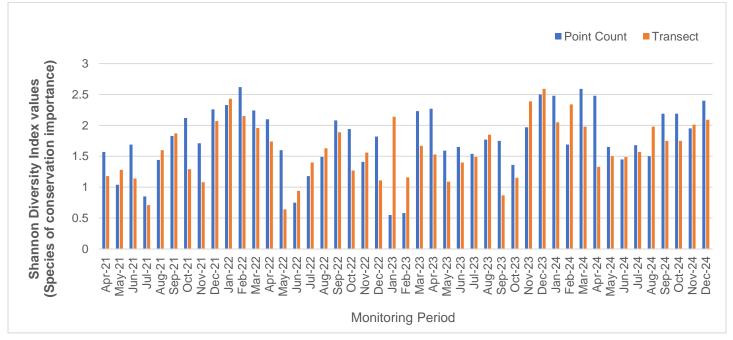
Appendix F.4.2 Species richness of avifauna species with conservation importance throughout the monitoring period





Appendix F.5.1 Shannon Diversity Index values of all avifauna species throughout the monitoring period

Appendix F.5.2 Shannon Diversity Index values of avifauna species with conservation importance throughout the monitoring period



Appendix F.6. 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.6.1 Species diversity of all avifauna species – Point Count Method

Months	December 2016	December 2024	
Total	530	914	
Richness	35	62	
н	2.4583	3.1949	
S²H	0.0034	0.0016	
t	10.4193		
df	1015.4116		
Crit	1.9623		
р	3.20E-24		
CI	0.1166	0.80	

### Appendix F.6.2 Species diversity of all avifauna species – Transect Walk Method

Months	December 2016	December 2024
Total	85	218
Richness	22	36
н	2.6712	2.9968
S <sup>2</sup> H	0.0105	0.0055
t	2.5765	
df	177.6773	
Crit	1.9735	
р	1.08E-02	
CI	0.2050	0.1479

Appendix F.6.3 Species diversity of avifauna species with conservation importance – Point Count Method

Months	December 2016	December 2024
Total	462	568
Richness	18	29
н	2.0399	2.4007
S <sup>2</sup> H	0.0028	0.0022
t	5.1103	
df	979.2385	
Crit	1.9624	
р	3.87E-07	
CI	0.1058	0.0935

Appendix F.6.4 Species diversity of avifauna species with conservation importance – Transect Walk Method

Months	December 2016	December 2024
Total	16	136
Richness	5	15
Н	1.3917	2.0936
S <sup>2</sup> H	0.0286	0.0071
t	3.7150	
df	24.7455	
Crit	2.0639	
р	1.08E-03	
CI	0.3382	0.1685

# Appendix G Wind Data

Date	Wind Speed (m/s)	Wind Direction
1/12/2024 0:00	3.0	SE
1/12/2024 1:00	2.9	E
1/12/2024 2:00	3.4	SE
1/12/2024 3:00	2.3	SE
1/12/2024 4:00	2.9	N
1/12/2024 5:00	2.7	N
1/12/2024 6:00	1.7	N
1/12/2024 7:00	2.2	N
1/12/2024 8:00	0.0	NE
1/12/2024 9:00	0.0	NW
1/12/2024 10:00	0.0	N
1/12/2024 11:00	0.0	NE
1/12/2024 12:00	0.0	N
1/12/2024 13:00	0.0	N
1/12/2024 14:00	0.0	N
1/12/2024 15:00	1.3	E
1/12/2024 16:00	1.3	E
1/12/2024 17:00	0.3	NW
1/12/2024 18:00	0.0	E
1/12/2024 19:00	0.9	NW
1/12/2024 20:00	0.0	NE
1/12/2024 21:00	2.1	NE
1/12/2024 22:00	2.1	NE
1/12/2024 23:00	2.6	E
1/12/2024 0:00	1.8	NE
2/12/2024 1:00	1.4	E
2/12/2024 2:00	3.3	NE

Date	Wind Speed (m/s)	Wind Direction
2/12/2024 3:00	1.5	NE
2/12/2024 4:00	1.9	NE
2/12/2024 5:00	2.1	NE
2/12/2024 6:00	1.9	NE
2/12/2024 7:00	2.1	NE
2/12/2024 8:00	1.6	NE
2/12/2024 9:00	0.0	N
2/12/2024 10:00	0.0	NE
2/12/2024 11:00	1.7	NE
2/12/2024 12:00	1.6	NE
2/12/2024 13:00	0.3	E
2/12/2024 14:00	0.0	NE
2/12/2024 15:00	1.9	NE
2/12/2024 16:00	1.3	E
2/12/2024 17:00	1.7	SE
2/12/2024 18:00	1.8	N
2/12/2024 19:00	0.0	E
2/12/2024 20:00	0.0	NE
2/12/2024 21:00	0.2	E
2/12/2024 22:00	5.4	SE
2/12/2024 23:00	2.7	NE
2/12/2024 0:00	3.8	NE
3/12/2024 1:00	3.3	NE
3/12/2024 2:00	4.2	E
3/12/2024 3:00	3.8	E
3/12/2024 4:00	4.0	E
3/12/2024 5:00	2.2	E

Date	Wind Speed (m/s)	Wind Direction
3/12/2024 6:00	1.9	E
3/12/2024 7:00	3.3	NE
3/12/2024 8:00	2.8	E
3/12/2024 9:00	2.8	N
3/12/2024 10:00	3.2	E
3/12/2024 11:00	1.4	N
3/12/2024 12:00	2.9	NE
3/12/2024 13:00	2.4	NE
3/12/2024 14:00	1.5	E
3/12/2024 15:00	2.0	NE
3/12/2024 16:00	2.0	SW
3/12/2024 17:00	2.0	SE
3/12/2024 18:00	2.2	E
3/12/2024 19:00	2.2	SE
3/12/2024 20:00	3.3	E
3/12/2024 21:00	1.7	E
3/12/2024 22:00	2.6	E
3/12/2024 23:00	1.0	NE
3/12/2024 0:00	2.0	E
4/12/2024 1:00	1.7	SE
4/12/2024 2:00	2.1	SE
4/12/2024 3:00	2.2	SE
4/12/2024 4:00	2.9	E
4/12/2024 5:00	2.2	SE
4/12/2024 6:00	1.9	NE
4/12/2024 7:00	1.1	NE
4/12/2024 8:00	1.8	W

Date	Wind Speed (m/s)	Wind Direction
4/12/2024 9:00	2.0	NE
4/12/2024 10:00	1.5	E
4/12/2024 11:00	1.5	NE
4/12/2024 12:00	2.0	N
4/12/2024 13:00	0.7	NW
4/12/2024 14:00	1.6	W
4/12/2024 15:00	2.1	W
4/12/2024 16:00	1.5	W
4/12/2024 17:00	1.7	SW
4/12/2024 18:00	1.6	E
4/12/2024 19:00	1.4	E
4/12/2024 20:00	2.2	E
4/12/2024 21:00	2.2	E
4/12/2024 22:00	2.1	E
4/12/2024 23:00	2.2	E
4/12/2024 0:00	2.8	SE
5/12/2024 1:00	3.5	E
5/12/2024 2:00	3.9	SE
5/12/2024 3:00	3.4	E
5/12/2024 4:00	2.0	E
5/12/2024 5:00	2.0	SE
5/12/2024 6:00	3.3	E
5/12/2024 7:00	1.9	E
5/12/2024 8:00	1.4	E
5/12/2024 9:00	1.2	N
5/12/2024 10:00	1.1	NE
5/12/2024 11:00	0.0	NE

Date	Wind Speed (m/s)	Wind Direction
5/12/2024 12:00	0.0	SW
5/12/2024 13:00	0.9	N
5/12/2024 14:00	2.0	NE
5/12/2024 15:00	0.7	E
5/12/2024 16:00	2.0	NW
5/12/2024 17:00	0.2	N
5/12/2024 18:00	0.0	SW
5/12/2024 19:00	1.3	E
5/12/2024 20:00	0.2	E
5/12/2024 21:00	3.0	E
5/12/2024 22:00	2.1	E
5/12/2024 23:00	1.1	SE
5/12/2024 0:00	1.3	E
6/12/2024 1:00	3.4	E
6/12/2024 2:00	2.1	NE
6/12/2024 3:00	1.8	SW
6/12/2024 4:00	2.1	NE
6/12/2024 5:00	1.4	W
6/12/2024 6:00	2.0	Ν
6/12/2024 7:00	1.6	E
6/12/2024 8:00	1.5	E
6/12/2024 9:00	2.1	N
6/12/2024 10:00	0.0	NE
6/12/2024 11:00	0.3	NE
6/12/2024 12:00	1.3	NW
6/12/2024 13:00	2.1	N
6/12/2024 14:00	1.5	E

Date	Wind Speed (m/s)	Wind Direction
6/12/2024 15:00	0.8	E
6/12/2024 16:00	1.4	N
6/12/2024 17:00	1.5	NW
6/12/2024 18:00	0.0	SE
6/12/2024 19:00	0.0	E
6/12/2024 20:00	6.5	NE
6/12/2024 21:00	6.5	SE
6/12/2024 22:00	5.5	SE
6/12/2024 23:00	7.6	NE
6/12/2024 0:00	4.4	SE
7/12/2024 1:00	3.7	SE
7/12/2024 2:00	5.8	E
7/12/2024 3:00	3.1	E
7/12/2024 4:00	2.8	NE
7/12/2024 5:00	7.9	SW
7/12/2024 6:00	4.5	E
7/12/2024 7:00	3.8	NW
7/12/2024 8:00	6.8	E
7/12/2024 9:00	3.6	Ν
7/12/2024 10:00	7.1	NE
7/12/2024 11:00	3.6	E
7/12/2024 12:00	9.0	NE
7/12/2024 13:00	4.1	NW
7/12/2024 14:00	6.5	NW
7/12/2024 15:00	5.9	W
7/12/2024 16:00	3.8	W
7/12/2024 17:00	2.2	E

Date	Wind Speed (m/s)	Wind Direction
7/12/2024 18:00	3.5	E
7/12/2024 19:00	4.0	SE
7/12/2024 20:00	5.7	E
7/12/2024 21:00	4.1	E
7/12/2024 22:00	3.0	E
7/12/2024 23:00	5.4	E
7/12/2024 0:00	7.2	SE
8/12/2024 1:00	4.1	SE
8/12/2024 2:00	2.0	E
8/12/2024 3:00	3.1	E
8/12/2024 4:00	3.9	SE
8/12/2024 5:00	4.7	E
8/12/2024 6:00	2.8	SE
8/12/2024 7:00	3.9	SW
8/12/2024 8:00	2.1	NW
8/12/2024 9:00	2.6	N
8/12/2024 10:00	2.2	N
8/12/2024 11:00	1.3	NE
8/12/2024 12:00	0.2	NW
8/12/2024 13:00	3.1	W
8/12/2024 14:00	4.2	W
8/12/2024 15:00	4.2	W
8/12/2024 16:00	4.2	SW
8/12/2024 17:00	2.1	SW
8/12/2024 18:00	2.9	E
8/12/2024 19:00	2.1	SW
8/12/2024 20:00	0.0	E

Date	Wind Speed (m/s)	Wind Direction
8/12/2024 21:00	3.4	E
8/12/2024 22:00	1.5	SE
8/12/2024 23:00	3.0	E
8/12/2024 0:00	1.5	E
9/12/2024 1:00	1.7	E
9/12/2024 2:00	2.2	E
9/12/2024 3:00	1.1	E
9/12/2024 4:00	3.6	E
9/12/2024 5:00	1.8	NE
9/12/2024 6:00	2.5	NE
9/12/2024 7:00	1.9	NE
9/12/2024 8:00	1.5	NW
9/12/2024 9:00	0.8	E
9/12/2024 10:00	0.1	NE
9/12/2024 11:00	0.0	E
9/12/2024 12:00	2.9	SE
9/12/2024 13:00	2.3	SE
9/12/2024 14:00	2.2	E
9/12/2024 15:00	2.2	E
9/12/2024 16:00	2.2	E
9/12/2024 17:00	2.8	E
9/12/2024 18:00	2.2	E
9/12/2024 19:00	2.0	SE
9/12/2024 20:00	3.0	E
9/12/2024 21:00	2.1	SE
9/12/2024 22:00	3.2	NE
9/12/2024 23:00	4.2	NE

Date	Wind Speed (m/s)	Wind Direction
9/12/2024 0:00	1.9	E
10/12/2024 1:00	0.0	E
10/12/2024 2:00	0.0	E
10/12/2024 3:00	0.0	NE
10/12/2024 4:00	0.8	NE
10/12/2024 5:00	0.0	NE
10/12/2024 6:00	1.5	NE
10/12/2024 7:00	0.1	NE
10/12/2024 8:00	1.4	N
10/12/2024 9:00	2.2	E
10/12/2024 10:00	1.8	SW
10/12/2024 11:00	3.0	NE
10/12/2024 12:00	2.9	SW
10/12/2024 13:00	3.4	SW
10/12/2024 14:00	2.3	SW
10/12/2024 15:00	2.9	NE
10/12/2024 16:00	2.7	NE
10/12/2024 17:00	1.7	SE
10/12/2024 18:00	2.2	N
10/12/2024 19:00	0.0	E
10/12/2024 20:00	0.0	NE
10/12/2024 21:00	0.0	N
10/12/2024 22:00	0.0	SE
10/12/2024 23:00	0.0	E
10/12/2024 0:00	0.0	E
11/12/2024 1:00	0.0	NE
11/12/2024 2:00	1.3	NE

Date	Wind Speed (m/s)	Wind Direction
11/12/2024 3:00	1.3	E
11/12/2024 4:00	0.3	E
11/12/2024 5:00	0.0	SE
11/12/2024 6:00	0.9	E
11/12/2024 7:00	0.0	E
11/12/2024 8:00	2.1	NE
11/12/2024 9:00	2.1	E
11/12/2024 10:00	2.6	Ν
11/12/2024 11:00	1.8	NW
11/12/2024 12:00	1.4	NE
11/12/2024 13:00	3.3	NE
11/12/2024 14:00	1.5	E
11/12/2024 15:00	1.9	E
11/12/2024 16:00	2.1	E
11/12/2024 17:00	1.9	E
11/12/2024 18:00	2.1	E
11/12/2024 19:00	1.6	E
11/12/2024 20:00	0.0	SE
11/12/2024 21:00	0.0	E
11/12/2024 22:00	1.7	E
11/12/2024 23:00	1.6	SE
11/12/2024 0:00	0.3	E
12/12/2024 1:00	0.0	SE
12/12/2024 2:00	1.9	SE
12/12/2024 3:00	1.3	SE
12/12/2024 4:00	1.7	SE
12/12/2024 5:00	1.8	SW

Date	Wind Speed (m/s)	Wind Direction
12/12/2024 6:00	0.0	NE
12/12/2024 7:00	0.0	NE
12/12/2024 8:00	0.2	E
12/12/2024 9:00	5.4	N
12/12/2024 10:00	2.7	NE
12/12/2024 11:00	3.8	NE
12/12/2024 12:00	3.3	Ν
12/12/2024 13:00	4.2	SE
12/12/2024 14:00	3.8	E
12/12/2024 15:00	4.0	E
12/12/2024 16:00	2.2	W
12/12/2024 17:00	1.9	NW
12/12/2024 18:00	3.3	E
12/12/2024 19:00	2.8	E
12/12/2024 20:00	2.8	SE
12/12/2024 21:00	3.2	SE
12/12/2024 22:00	1.4	E
12/12/2024 23:00	2.9	NE
12/12/2024 0:00	2.4	NE
13/12/2024 1:00	1.5	E
13/12/2024 2:00	2.0	Ν
13/12/2024 3:00	2.0	NE
13/12/2024 4:00	2.0	E
13/12/2024 5:00	2.2	SE
13/12/2024 6:00	2.2	NE
13/12/2024 7:00	3.3	NE
13/12/2024 8:00	1.7	NE

Date	Wind Speed (m/s)	Wind Direction
13/12/2024 9:00	2.6	N
13/12/2024 10:00	1.0	N
13/12/2024 11:00	2.0	W
13/12/2024 12:00	1.7	E
13/12/2024 13:00	2.1	E
13/12/2024 14:00	2.2	E
13/12/2024 15:00	2.9	SW
13/12/2024 16:00	2.2	E
13/12/2024 17:00	1.9	SE
13/12/2024 18:00	1.1	E
13/12/2024 19:00	1.8	NE
13/12/2024 20:00	2.0	E
13/12/2024 21:00	1.5	NE
13/12/2024 22:00	1.5	NE
13/12/2024 23:00	2.0	E
13/12/2024 0:00	0.7	NE
14/12/2024 1:00	1.6	NE
14/12/2024 2:00	2.1	E
14/12/2024 3:00	1.5	NE
14/12/2024 4:00	1.7	E
14/12/2024 5:00	1.6	NE
14/12/2024 6:00	1.4	NE
14/12/2024 7:00	2.2	NE
14/12/2024 8:00	2.2	E
14/12/2024 9:00	2.1	E
14/12/2024 10:00	2.2	E
14/12/2024 11:00	2.8	E

Date	Wind Speed (m/s)	Wind Direction
14/12/2024 12:00	3.5	E
14/12/2024 13:00	3.9	NE
14/12/2024 14:00	3.4	E
14/12/2024 15:00	2.0	NE
14/12/2024 16:00	2.0	NE
14/12/2024 17:00	3.3	E
14/12/2024 18:00	1.9	NE
14/12/2024 19:00	1.4	NE
14/12/2024 20:00	1.2	NE
14/12/2024 21:00	1.1	E
14/12/2024 22:00	0.0	E
14/12/2024 23:00	0.0	NW
14/12/2024 0:00	0.9	W
15/12/2024 1:00	2.0	SE
15/12/2024 2:00	0.7	NE
15/12/2024 3:00	2.0	SE
15/12/2024 4:00	0.2	E
15/12/2024 5:00	0.0	E
15/12/2024 6:00	1.3	E
15/12/2024 7:00	0.2	NE
15/12/2024 8:00	3.0	E
15/12/2024 9:00	2.1	E
15/12/2024 10:00	1.1	E
15/12/2024 11:00	1.3	NE
15/12/2024 12:00	3.4	NE
15/12/2024 13:00	2.1	E
15/12/2024 14:00	1.8	NE

Date	Wind Speed (m/s)	Wind Direction
15/12/2024 15:00	2.1	E
15/12/2024 16:00	1.4	E
15/12/2024 17:00	2.0	E
15/12/2024 18:00	1.6	SE
15/12/2024 19:00	1.5	SE
15/12/2024 20:00	2.1	SE
15/12/2024 21:00	0.0	E
15/12/2024 22:00	0.3	E
15/12/2024 23:00	1.3	SE
15/12/2024 0:00	2.1	SE
16/12/2024 1:00	1.5	NE
16/12/2024 2:00	0.8	E
16/12/2024 3:00	1.4	E
16/12/2024 4:00	1.5	NE
16/12/2024 5:00	0.0	E
16/12/2024 6:00	0.0	E
16/12/2024 7:00	6.5	E
16/12/2024 8:00	6.5	SE
16/12/2024 9:00	5.5	E
16/12/2024 10:00	7.6	NE
16/12/2024 11:00	4.4	NE
16/12/2024 12:00	3.7	N
16/12/2024 13:00	5.8	NW
16/12/2024 14:00	3.1	N
16/12/2024 15:00	2.8	NW
16/12/2024 16:00	7.9	SE
16/12/2024 17:00	4.5	SW

Date	Wind Speed (m/s)	Wind Direction
16/12/2024 18:00	3.8	SW
16/12/2024 19:00	6.8	NE
16/12/2024 20:00	3.6	E
16/12/2024 21:00	7.1	NE
16/12/2024 22:00	3.6	NE
16/12/2024 23:00	9.0	SE
16/12/2024 0:00	4.1	E
17/12/2024 1:00	6.5	N
17/12/2024 2:00	5.9	E
17/12/2024 3:00	3.8	NE
17/12/2024 4:00	2.2	NE
17/12/2024 5:00	3.5	NE
17/12/2024 6:00	4.0	E
17/12/2024 7:00	5.7	E
17/12/2024 8:00	4.1	NE
17/12/2024 9:00	3.0	E
17/12/2024 10:00	5.4	NE
17/12/2024 11:00	7.2	E
17/12/2024 12:00	4.1	NE
17/12/2024 13:00	2.0	SW
17/12/2024 14:00	3.1	SE
17/12/2024 15:00	3.9	E
17/12/2024 16:00	4.7	SE
17/12/2024 17:00	2.8	E
17/12/2024 18:00	3.9	E
17/12/2024 19:00	2.1	E
17/12/2024 20:00	2.6	E

Date	Wind Speed (m/s)	Wind Direction
17/12/2024 21:00	2.2	E
17/12/2024 22:00	1.3	E
17/12/2024 23:00	0.2	E
17/12/2024 0:00	3.1	E
18/12/2024 1:00	4.2	E
18/12/2024 2:00	4.2	E
18/12/2024 3:00	4.2	E
18/12/2024 4:00	2.1	E
18/12/2024 5:00	2.9	E
18/12/2024 6:00	2.1	E
18/12/2024 7:00	0.0	E
18/12/2024 8:00	3.4	E
18/12/2024 9:00	1.5	NE
18/12/2024 10:00	3.0	NE
18/12/2024 11:00	1.5	SW
18/12/2024 12:00	1.7	E
18/12/2024 13:00	2.2	E
18/12/2024 14:00	1.1	NE
18/12/2024 15:00	3.6	SW
18/12/2024 16:00	1.8	SW
18/12/2024 17:00	2.5	SW
18/12/2024 18:00	1.9	E
18/12/2024 19:00	1.5	SW
18/12/2024 20:00	0.8	SE
18/12/2024 21:00	0.1	E
18/12/2024 22:00	0.0	SE
18/12/2024 23:00	2.9	E

Date	Wind Speed (m/s)	Wind Direction
18/12/2024 0:00	2.3	E
19/12/2024 1:00	2.2	NE
19/12/2024 2:00	2.2	NE
19/12/2024 3:00	2.2	N
19/12/2024 4:00	2.8	E
19/12/2024 5:00	2.2	E
19/12/2024 6:00	2.0	SE
19/12/2024 7:00	3.0	SE
19/12/2024 8:00	2.1	E
19/12/2024 9:00	3.2	SE
19/12/2024 10:00	4.2	NW
19/12/2024 11:00	2.0	N
19/12/2024 12:00	2.2	E
19/12/2024 13:00	3.7	N
19/12/2024 14:00	2.3	NE
19/12/2024 15:00	4.4	Ν
19/12/2024 16:00	5.9	E
19/12/2024 17:00	3.5	SW
19/12/2024 18:00	2.1	E
19/12/2024 19:00	1.3	SW
19/12/2024 20:00	1.9	SE
19/12/2024 21:00	3.6	N
19/12/2024 22:00	1.2	NE
19/12/2024 23:00	2.1	E
19/12/2024 0:00	3.1	NE
20/12/2024 1:00	4.0	SE
20/12/2024 2:00	3.7	SE

Date	Wind Speed (m/s)	Wind Direction
20/12/2024 3:00	3.8	E
20/12/2024 4:00	3.5	E
20/12/2024 5:00	7.1	E
20/12/2024 6:00	2.0	E
20/12/2024 7:00	3.1	E
20/12/2024 8:00	3.0	E
20/12/2024 9:00	5.8	NE
20/12/2024 10:00	3.7	E
20/12/2024 11:00	3.7	SE
20/12/2024 12:00	1.9	NE
20/12/2024 13:00	5.1	SE
20/12/2024 14:00	4.0	SW
20/12/2024 15:00	3.2	E
20/12/2024 16:00	2.2	E
20/12/2024 17:00	2.0	NE
20/12/2024 18:00	6.6	Ν
20/12/2024 19:00	6.1	E
20/12/2024 20:00	3.6	NE
20/12/2024 21:00	2.2	SW
20/12/2024 22:00	6.4	E
20/12/2024 23:00	4.9	SE
20/12/2024 0:00	2.2	E
21/12/2024 1:00	4.2	E
21/12/2024 2:00	5.2	E
21/12/2024 3:00	4.2	E
21/12/2024 4:00	4.3	SE
21/12/2024 5:00	6.9	E

Date	Wind Speed (m/s)	Wind Direction
21/12/2024 6:00	4.5	E
21/12/2024 7:00	4.7	SE
21/12/2024 8:00	3.9	SE
21/12/2024 9:00	4.1	E
21/12/2024 10:00	4.0	NE
21/12/2024 11:00	4.1	E
21/12/2024 12:00	1.9	E
21/12/2024 13:00	4.1	E
21/12/2024 14:00	3.0	N
21/12/2024 15:00	4.2	NE
21/12/2024 16:00	5.3	NE
21/12/2024 17:00	5.0	NE
21/12/2024 18:00	8.5	NE
21/12/2024 19:00	7.4	NE
21/12/2024 20:00	4.2	E
21/12/2024 21:00	6.2	SE
21/12/2024 22:00	4.4	NE
21/12/2024 23:00	4.0	SW
21/12/2024 0:00	4.3	NE
22/12/2024 1:00	4.2	NE
22/12/2024 2:00	4.3	NE
22/12/2024 3:00	3.4	E
22/12/2024 4:00	4.0	E
22/12/2024 5:00	3.4	N
22/12/2024 6:00	2.1	SE
22/12/2024 7:00	5.7	NE
22/12/2024 8:00	5.8	NE

Date	Wind Speed (m/s)	Wind Direction
22/12/2024 9:00	8.5	NE
22/12/2024 10:00	4.0	NE
22/12/2024 11:00	4.4	NE
22/12/2024 12:00	2.1	NW
22/12/2024 13:00	5.4	E
22/12/2024 14:00	1.7	NE
22/12/2024 15:00	4.2	NE
22/12/2024 16:00	3.3	SE
22/12/2024 17:00	2.6	E
22/12/2024 18:00	1.9	N
22/12/2024 19:00	1.7	NE
22/12/2024 20:00	2.4	E
22/12/2024 21:00	0.9	E
22/12/2024 22:00	1.0	E
22/12/2024 23:00	1.2	E
22/12/2024 0:00	1.4	E
23/12/2024 1:00	1.3	NW
23/12/2024 2:00	1.2	NE
23/12/2024 3:00	1.4	NE
23/12/2024 4:00	1.3	N
23/12/2024 5:00	1.2	SW
23/12/2024 6:00	1.3	NE
23/12/2024 7:00	1.2	NE
23/12/2024 8:00	0.6	SE
23/12/2024 9:00	1.4	N
23/12/2024 10:00	4.3	E
23/12/2024 11:00	2.8	NE

Date	Wind Speed (m/s)	Wind Direction
23/12/2024 12:00	3.2	NE
23/12/2024 13:00	3.9	N
23/12/2024 14:00	2.5	E
23/12/2024 15:00	2.2	SE
23/12/2024 16:00	3.9	SE
23/12/2024 17:00	2.1	E
23/12/2024 18:00	2.1	SE
23/12/2024 19:00	3.8	SE
23/12/2024 20:00	4.9	SE
23/12/2024 21:00	4.6	N
23/12/2024 22:00	2.3	E
23/12/2024 23:00	3.3	NE
23/12/2024 0:00	2.1	E
24/12/2024 1:00	2.7	NW
24/12/2024 2:00	7.5	E
24/12/2024 3:00	3.5	NE
24/12/2024 4:00	1.8	SE
24/12/2024 5:00	1.8	NE
24/12/2024 6:00	1.8	E
24/12/2024 7:00	1.7	E
24/12/2024 8:00	3.8	E
24/12/2024 9:00	3.8	E
24/12/2024 10:00	1.7	SE
24/12/2024 11:00	5.2	E
24/12/2024 12:00	3.8	NE
24/12/2024 13:00	4.1	E
24/12/2024 14:00	1.3	NE

Date	Wind Speed (m/s)	Wind Direction
24/12/2024 15:00	4.3	NE
24/12/2024 16:00	2.5	NE
24/12/2024 17:00	2.1	SW
24/12/2024 18:00	2.2	NE
24/12/2024 19:00	1.5	E
24/12/2024 20:00	0.0	NW
24/12/2024 21:00	0.0	E
24/12/2024 22:00	0.9	NE
24/12/2024 23:00	1.7	NE
24/12/2024 0:00	3.8	Ν
25/12/2024 1:00	2.1	NW
25/12/2024 2:00	3.8	NW
25/12/2024 3:00	3.2	N
25/12/2024 4:00	0.0	SE
25/12/2024 5:00	3.5	NW
25/12/2024 6:00	0.0	NE
25/12/2024 7:00	2.0	NE
25/12/2024 8:00	3.6	SE
25/12/2024 9:00	4.5	SE
25/12/2024 10:00	2.5	NE
25/12/2024 11:00	4.1	NE
25/12/2024 12:00	2.8	NE
25/12/2024 13:00	2.7	NE
25/12/2024 14:00	3.6	E
25/12/2024 15:00	4.0	NE
25/12/2024 16:00	2.1	E
25/12/2024 17:00	0.0	E

Date	Wind Speed (m/s)	Wind Direction
25/12/2024 18:00	0.0	E
25/12/2024 19:00	0.0	E
25/12/2024 20:00	0.0	NE
25/12/2024 21:00	0.2	E
25/12/2024 22:00	0.2	NE
25/12/2024 23:00	0.6	NW
26/12/2024 0:00	0.1	N
26/12/2024 1:00	3.6	NW
26/12/2024 2:00	4.2	NE
26/12/2024 3:00	3.3	NW
26/12/2024 4:00	2.2	E
26/12/2024 5:00	1.5	SE
26/12/2024 6:00	2.6	W
26/12/2024 7:00	0.0	NE
26/12/2024 8:00	1.1	E
26/12/2024 9:00	1.3	E
26/12/2024 10:00	0.0	NE
26/12/2024 11:00	1.0	E
26/12/2024 12:00	0.0	SE
26/12/2024 13:00	0.0	E
26/12/2024 14:00	0.0	E
26/12/2024 15:00	0.0	SE
26/12/2024 16:00	0.8	E
26/12/2024 17:00	0.0	NE
26/12/2024 18:00	0.0	SE
26/12/2024 19:00	0.1	E
26/12/2024 20:00	0.2	NE

Date	Wind Speed (m/s)	Wind Direction
26/12/2024 21:00	3.8	E
26/12/2024 22:00	2.1	NE
26/12/2024 23:00	3.8	E
27/12/2024 0:00	3.2	SW
27/12/2024 1:00	0.0	NE
27/12/2024 2:00	3.5	NE
27/12/2024 3:00	0.0	NE
27/12/2024 4:00	2.0	E
27/12/2024 5:00	4.2	E
27/12/2024 6:00	3.3	E
27/12/2024 7:00	3.6	E
27/12/2024 8:00	4.2	NE
27/12/2024 9:00	3.3	SE
27/12/2024 10:00	2.2	NE
27/12/2024 11:00	1.5	E
27/12/2024 12:00	2.6	NE
27/12/2024 13:00	0.0	N
27/12/2024 14:00	1.1	E
27/12/2024 15:00	3.6	E
27/12/2024 16:00	4.2	N
27/12/2024 17:00	3.3	NE
27/12/2024 18:00	0.0	N
27/12/2024 19:00	0.8	NE
27/12/2024 20:00	0.0	NE
27/12/2024 21:00	0.0	NE
27/12/2024 22:00	0.1	SE
27/12/2024 23:00	0.2	NE

Date	Wind Speed (m/s)	Wind Direction
28/12/2024 0:00	1.0	NE
28/12/2024 1:00	0.0	NE
28/12/2024 2:00	0.0	NE
28/12/2024 3:00	0.0	NE
28/12/2024 4:00	0.0	NE
28/12/2024 5:00	0.8	NE
28/12/2024 6:00	0.0	NE
28/12/2024 7:00	0.0	E
28/12/2024 8:00	0.1	N
28/12/2024 9:00	0.2	E
28/12/2024 10:00	1.0	Ν
28/12/2024 11:00	0.0	E
28/12/2024 12:00	0.0	N
28/12/2024 13:00	0.0	N
28/12/2024 14:00	0.0	E
28/12/2024 15:00	0.8	Ν
28/12/2024 16:00	0.0	NE
28/12/2024 17:00	0.0	N
28/12/2024 18:00	0.0	E
28/12/2024 19:00	0.0	NE
28/12/2024 20:00	0.0	N
28/12/2024 21:00	0.0	NE
28/12/2024 22:00	0.8	NE
28/12/2024 23:00	0.0	NE
29/12/2024 0:00	0.0	E
29/12/2024 1:00	0.1	E
29/12/2024 2:00	0.2	NE

Date	Wind Speed (m/s)	Wind Direction
29/12/2024 3:00	0.0	E
29/12/2024 4:00	0.0	E
29/12/2024 5:00	0.0	NE
29/12/2024 6:00	0.2	NE
29/12/2024 7:00	0.2	NE
29/12/2024 8:00	0.6	NE
29/12/2024 9:00	0.1	NE
29/12/2024 10:00	3.6	E
29/12/2024 11:00	4.2	NE
29/12/2024 12:00	3.3	NE
29/12/2024 13:00	2.2	N
29/12/2024 14:00	1.5	N
29/12/2024 15:00	2.6	N
29/12/2024 16:00	0.0	E
29/12/2024 17:00	1.1	NE
29/12/2024 18:00	1.3	NE
29/12/2024 19:00	0.0	NE
29/12/2024 20:00	1.0	NE
29/12/2024 21:00	0.0	NE
29/12/2024 22:00	0.0	E
29/12/2024 23:00	0.0	NW
30/12/2024 0:00	0.0	NE
30/12/2024 1:00	0.8	E
30/12/2024 2:00	0.0	NE
30/12/2024 3:00	0.0	E
30/12/2024 4:00	0.1	E
30/12/2024 5:00	0.2	E

Date	Wind Speed (m/s)	Wind Direction
30/12/2024 6:00	2.6	NW
30/12/2024 7:00	1.0	E
30/12/2024 8:00	2.0	NE
30/12/2024 9:00	1.7	NE
30/12/2024 10:00	2.1	NE
30/12/2024 11:00	2.2	NE
30/12/2024 12:00	2.9	NE
30/12/2024 13:00	2.2	NE
30/12/2024 14:00	1.9	NE
30/12/2024 15:00	1.1	E
30/12/2024 16:00	1.8	SE
30/12/2024 17:00	2.0	W
30/12/2024 18:00	1.5	NE
30/12/2024 19:00	1.5	E
30/12/2024 20:00	2.0	E
30/12/2024 21:00	0.7	E
30/12/2024 22:00	1.6	NE
30/12/2024 23:00	2.1	E
31/12/2024 0:00	1.5	SE
31/12/2024 1:00	1.7	E
31/12/2024 2:00	1.6	NE
31/12/2024 3:00	1.4	E
31/12/2024 4:00	2.2	E
31/12/2024 5:00	2.2	NE
31/12/2024 6:00	2.1	E
31/12/2024 7:00	2.2	E
31/12/2024 8:00	2.8	E

Date	Wind Speed (m/s)	Wind Direction
31/12/2024 9:00	3.5	SE
31/12/2024 10:00	3.9	E
31/12/2024 11:00	3.4	NE
31/12/2024 12:00	2.0	NE
31/12/2024 13:00	2.0	Ν
31/12/2024 14:00	3.3	NW
31/12/2024 15:00	1.9	Ν
31/12/2024 16:00	1.4	NW
31/12/2024 17:00	1.2	SE
31/12/2024 18:00	1.1	SW
31/12/2024 19:00	0.0	SW
31/12/2024 20:00	0.0	NE
31/12/2024 21:00	0.9	E
31/12/2024 22:00	2.0	NE
31/12/2024 23:00	0.7	NE
1/1/2025 0:00	2.0	SE

Appendix H Event and Action Plan

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

Event	Action			
Event	ET	IEC	ER	Contractor
Action level being exceeded by	<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)

Front	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 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

Front	Action			
Event	ET	IEC	ER	Contractor
Action level being exceeded by one sampling	<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	<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>
Limit level being exceeded by one sampling	<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	<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 Flow	w Table for Year	2024									
		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)
2024 Jan	11,180.54	Nil	Nil	Nil	11,103.51	Nil	Nil	0.25	Nil	Nil	76.86
2024 Feb	39,622.50	Nil	Nil	Nil	39,511.96	Nil	10.78	0.01	Nil	Nil	99.74
2024 Mar	28,642.82	Nil	Nil	Nil	28,422.00	Nil	94.04	0.10	Nil	Nil	126.76
2024 Apr	36,811.58	Nil	Nil	Nil	36,608.65	Nil	75.49	0.10	Nil	Nil	127.33
2024 May	3,275.68	Nil	Nil	Nil	3,161.67	Nil	Nil	0.15	Nil	Nil	113.86
2024 Jun	2,331.53	Nil	Nil	Nil	2,241.60	Nil	Nil	0.11	Nil	Nil	89.82
2024 Jul	149.30	Nil	Nil	Nil	Nil	Nil	52.39	0.22	0.01	Nil	96.68
2024 Aug	6,992.94	Nil	Nil	Nil	6,861.16	Nil	Nil	0.1	0.01	Nil	131.67
2024 Sep	1,661.21	Nil	Nil	Nil	1,552.32	Nil	85.87	0.14	Nil	Nil	108.75
2024 Oct	11,122.61	Nil	Nil	Nil	10,888.25	Nil	36.52	0.10	0.03	Nil	197.71
2024 Nov	5,680.71	Nil	Nil	Nil	5,498.98	Nil	Nil	0.14	Nil	1.00	190.59
2024 Dec	8,151.40	Nil	Nil	Nil	8,017.09	2,125.45	Nil	0.10	0.10	Nil	134.11
Total	155,622.82	Nil	Nil	Nil	153,867.19	2,125.45	355.09	1.52	0.15	1.00	1,493.88

Note: 1) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site. 2) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging materials. 3) Updated figures are presented during the reporting month.

Sources/ reference of the waste flow data; From the Contractor

# Appendix J Implementation Status of Environmental Mitigation Measures

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	Air Quality Impact (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
	Dust suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation and good site practices listed below shall be	e carried out to further minimize cons	struction dust impact:
	• 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
3.8.1.1	• Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.	Construction Sites	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
	<ul> <li>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.</li> </ul>		Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	Noise Impact (Construction Phase)		
	Movable noise barriers are recommended for hydraulic breakers mounted on excavators to be adopted during construction.		N/A
	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.		Implemented
	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
4.8.1	• Silencers or mufflers on construction equipment should be utilised and should be properly maintained during the construction programme.	Construction Sites	Implemented
	• 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.		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 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
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 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.		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	Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
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	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	Implemented
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 caused by rainstorms. Appropriate drainage like intercepting channels should be provided where necessary	Construction Sites / Construction Phase	Implemented
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	Implemented
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	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	Implemented
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
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	Implemented
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	Implemented
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

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status		
	Waste Management Implication (Construction Phase)				
	Good Site Practices				
	Recommendations for good site practices during the construction phase include:				
	Nomination of approved personnel, such as a site manager, to be responsible for good site practices, and making arrangements for collection of all wastes generated at the site and effective disposal to an appropriate facility;		Implemented		
	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		
6.6.1.3	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;	Construction Sites	Implemented		
	Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors;		Implemented		
	• 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		
	Waste Reduction Measures				
	Recommendations to achieve waste reduction include:				
	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		
	Any unused chemicals or those with remaining functional capacity shall be recycled;		N/A		
6.6.1.5	Maximising the use of reusable steel formwork to reduce the amount of C&D material;		Implemented		
	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;	Construction Sites	Implemented		
	• Adopt proper storage and site practices to minimise the potential for damage to, or contamination of, construction materials;		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		

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	Storage of Waste		
	Recommendations to minimise the impacts include:		
	• Waste, such as soil, should be handled and stored well to ensure secure containment, thus minimising the potential of pollution;		Implemented
6.6.1.7	Maintain and clean storage areas routinely;		Implemented
	• Stockpiling area should be provided with covers and water spraying system to prevent materials from wind-blown or being washed away; and	Construction Sites	Implemented
	Different locations should be designated to stockpile each material to enhance reuse.		Implemented
	Collection of Waste Licensed waste haulers should be employed for the collection and transportation of waste generated. The following measures should be ended	nforced to minimise the potential ac	verse impacts:
	Remove waste in timely manner;		Implemented
	Waste collectors should only collect wastes prescribed by their permits;	Construction Sites	Implemented
6.6.1.8	• 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
	Transportation of Waste		
6.6.1.10	In 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	Implemented
	Construction and Demolition Material		
6.6.1.12	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
	The excavated material arising from site formation and foundation works should be reused on-site as backfilling material and for lands requirements are listed below:	caping works as far as practicable	. Other mitigation
	A WMP, which becomes part of the EMP, should be prepared in accordance with ETWB TCW No.19/2005;		Implemented
6.6.1.13	• A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be adopted for easy tracking; and	Construction Sites	Implemented
	• 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

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	It is recommended that specific areas should be provided by the Contractors for sorting and to provide temporary storage areas (if required) f stockpiles on-site should be taken in order to minimise the noise, generation of dust and pollution of water. These measures include:	or the sorted materials. Control mea	asures for temporary
	Surface of stockpiled soil should be regularly wetted with water especially during dry season;		Implemented
6.6.1.14	Disturbance of stockpile soil should be minimised;	Construction Sites	Implemented
	Stockpiled soil should be properly covered with tarpaulin especially when heavy storms are predicted; and	Construction Sites	Implemented
	Stockpiling areas should be enclosed where space is available.		Implemented
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	Implemented
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	Implemented
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	Implemented
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

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
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 Operation Phases	Implemented
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	Should buildings be 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
	Land Contamination		
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 EPD's agreed supplementary CAP(s).SI works should be carried out according to the supplementary CAP(s) is a discussed 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 (after decommissioning of the concerned facilities / areas but prior to the construction works at the concerned facilities / areas)	Implemented
	The mitigation measures will be recommended in the RAP and would typically include the following:		
	Excavation profiles must be properly designed and executed with attention to the relevant requirements for environment, health and safety;		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
7.8.3.1	• 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
7.6.3.1	• 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;	Project Site / Construction Phase	Implemented
	Speed control for the trucks carrying contaminated materials shall be enforced;		Implemented
	Vehicle wheel and body washing facilities at the site's exist points shall be established and used; and		Implemented
	• 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.		Implemented

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	Ecological Impact (Terrestrial and Aquatic) (Construction Phase)		
	Avoidance of Recognised Site of Conservation Importance	Drois et eite / Construction	
8.10.2.1	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
0.40.0.0	Avoidance of Demolition Works Using Breakers Mounted on Excavators and Percussive Piling during Dry Season		
8.10.2.3 – 8.10.2.4	In 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
	Restriction of Construction Hours		
8.10.2.5	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
	Minimising Construction Noise Disturbance Impacts through Consideration of Alternative Construction Methods		
8.10.3.2 – 8.10.3.3	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
8.10.3.4 – 8.10.3.5	<ul> <li><u>Minimising Construction Noise Disturbance Impacts Through Careful Phasing of Construction Activities</u> 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
	Minimising Construction Noise Disturbance Impacts through Use of Noise Barriers		
8.10.3.6 – 8.10.3.8	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. 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	Construction sites / Construction Phase	Implemented
	plants around the rig. The contractor should provide enclosure for construction equipment, especially static plants, as appropriate to minimise the noise disturbance as far as practicable.		
	Use of Quality Powered Mechanical Equipment		
8.10.3.9	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.	Construction sites / Construction Phase	Implemented
	Ecology & Fisheries 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

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	Fisheries Impact		
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		
	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	Transplanting of Affected Trees (CM2) 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
	Compensatory Tree Planting (CM3) 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
	Control of Night-time Lighting Glare (CM4) 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
	Erection of Decorative Screen Hoarding (CM5) Site hoardings, if any, shall be painted in dull green colour	Project site / Construction Phase	Implemented
	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 Phase)		
	• 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;		N/A
11.5.6.9-	• 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;	Project site / Construction Phase	N/A
11.5.6.12	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	i nast	N/A
	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

EIA Ref.	Environmental Protection Measures	Location / Duration of Measures / Timing of Completion of Measures	Implementation Status
	Method statements and risk assessments shall be prepared and safety control measures shall be in place before commencement of work		Implemented
	• All work procedures shall be complied with the operating plant procedures or guidelines and regulatory requirements;		Implemented
11.5.8	Work permit system, on-site pre-work risk assessment and emergency response procedure shall be in place before commencement of work;	Project site / Construction Phase	Implemented
	• All construction workers shall equip with appropriate personal protective equipment (PPE) when working at the Project Site;		Implemented
	Safety training and briefings shall be provided to all construction workers;		Implemented
	Regular site safety inspections shall be conducted during the construction phase of the Project;		Implemented
	• Ensure speed limit enforcement is specified in the contractor's method statement to limit the speed of construction vehicles onsite;		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;	Deviced vite / Occurrenting	Implemented
11.9.1.2	• Ensure effective communication system / protocol is in place between the contractors and the operation staff;	Project site / Construction Phase	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;		Implemented
	• Ensure that the construction activities do not impede the functions of fire and gas detection system, fire protection system, muster areas, fire-fighting vehicle access and escape routes;		Implemented
	• Ensure a Job Safety Analysis is conducted for construction activities of the Project during the 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)

Sources / reference of the Implementation Status: Appendix B of EIA Report, AEIAR-220/2019

Appendix K Weather and Meteorological Conditions

# **November 2024 Weather**

#### **Station: Wetland Park**

	Mean		Air Temperature		Mean	Total
Date	Pressure (hPa)	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)	Relative Humidity (%)	Rainfall (mm)
	1		October 2024	1		
1	1010	32.8	26.9	23.6	59	0
2	1016.7	27.1#	24.1	22.2#	70	0
3	1016.9	29.7	25.2	21.3	77	0
4	1016.7	31.6	25.9	22.7	80	0
5	1017.8	31.1	25.9	23.1	67	0
6	1018.8	30.4	25.1	22.2	62	0
7	1019.3	28.9	23.5	18.6	56	0
8	1016.7	29.7	23.4	17	57	0
9	1014.5	29.8	25.5	23.1	62	0
10	1014.8	27.4	25.1	23.4	79	0
11	1014.2	29.8	25	22.2	80	0
12	1012.1	33.3	25.9	21	78	0
13	1010.4	26.0#	24	22.6#	93	7
14	1009.7	26.1	24.1	23.2	97	20
15	1009.8	25.1#	23.9	23.3#	99	21
16	1011.5	28.8	25.1	23.5	94	1.5
17	1014.2	27.7	24	22.4	94	6.5
18	1016.8	27.4	23.9	21.7	77	0
19	1019	21.7	18.7	17.1	90	22
20	1019	18	17.2	16.4	99	44
21	1018.6	21.6	18.7	16.2	87	7
22	1019.4	23.1	19.3	17.6	75	0.5
23	1020.3	21.9#	19.2	17.7#	75	0
24	1019.7	20.5#	19.4	18.0#	87	1
25	1018.6	22.7	20.6	18.9	91	1
26	1019.6	25.7	19.9	16.6	70	2
27	1021.3	24.2	17.5	13.5	53	0
28	1022.2	24	18.1	14.5	44	0
29	1021	22.9	16.5	12.2	49	0
30	1017.6	24.2	16.9	11.6	65	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

## **December 2024 Weather**

#### Station: Hong Kong Observatory

		Air Temperature			Mean Relative	Total Dainfall
Date	Mean Pressure (hPa)	Maximum (deg. C)	Mean (deg. C)	Minimum (deg. C)	Humidity (%)	Total Rainfall (mm)
			November 2024			
1	1015	22.7	19.7	17.6	69	0
2	1015.1	23.8	21	18.8	68	0
3	1015.7	24.9	21.9	19.7	74	0
4	1016.3	23.9	22.2	21.4	73	0
5	1016.4	23.3	21.7	20.7	76	0
6	1016.6	23.3	21.4	20.2	71	0
7	1018.2	23.3	20.7	17.9	66	0
8	1020.9	21.6	18.3	16	65	0
9	1019.6	20.2	18.7	17.1	70	0
10	1016.5	22.4	20.6	19.2	73	0
11	1016.4	25.2	22.3	20	72	0
12	1018.3	22	19.5	17.1	65	0
13	1020.2	20.7	18.5	15.6	59	0
14	1024.7	17.3	15.5	13.8	49	0
15	1025.2	17	14.8	13	40	Trace
16	1022.7	18.7	16.3	14.4	44	0
17	1021	20.4	17.9	15.5	58	0
18	1021	20.9	18.6	16.6	45	0
19	1022.7	18.1	15.6	13.7	40	0
20	1020.6	17.7	14.9	11.9	45	0
21	1020	20.2	16.9	13.9	42	0
22	1021.4	18	15.8	13.5	48	0
23	1020.6	17.5	16.5	15.1	57	0
24	1021.2	19.1	17.4	15.6	55	0
25	1021.1	20.6	18.5	16.6	71	Trace
26	1021.6	22.9	20.1	18	74	0
27	1023.1	20.9	19.2	18.1	75	0
28	1024.9	18.8	16.9	15.1	43	0
29	1023.4	17.4	15.4	13.3	57	0
30	1021.2	20.4	17.7	14.3	63	0
31	1019.1	22.6	19.8	17.6	55	Trace

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

#### **Environmental Complaints Log**

Reference	Date of Complaint	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 Summary of the ET Leader's Site Environmental Audit in the Reporting Month

Parameters	Date	Observations and Recommendations	Follow-up		
Air Quality	NA				
Noise	18 December 2024	The silentup was enclosed.			
Water Quality		NA			
Chemical and Construction Waste Management		NA			
Land Contamination	NA				
Ecological Impact	NA				
Landscape and Visual Impact		NA			
Permit / Licenses	Observation 1:10 December2024NRMM label should be provided for the road roller at TTS.		NRMM label was provided		
Others	Reminder 1: 18 December 2024 The domestic waste should be stored in an enclosed rubbish bin and disposed of timely.		Enclosed rubbish bin was provided.		

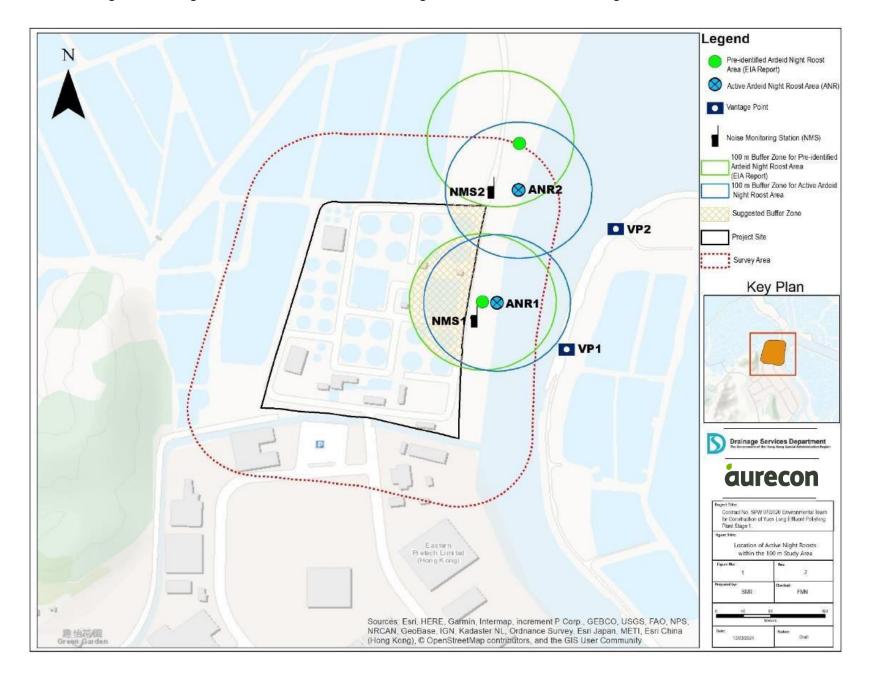
#### Summary of ET Leader's Site Environmental Audit in the Reporting Month

# Appendix N Outstanding Issues and Deficiencies

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

#### Summary of Outstanding Issues and Deficiencies in the Reporting Month

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



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

## O.2 Survey Photos

## O.2.1 Pre-roosting Aggregate

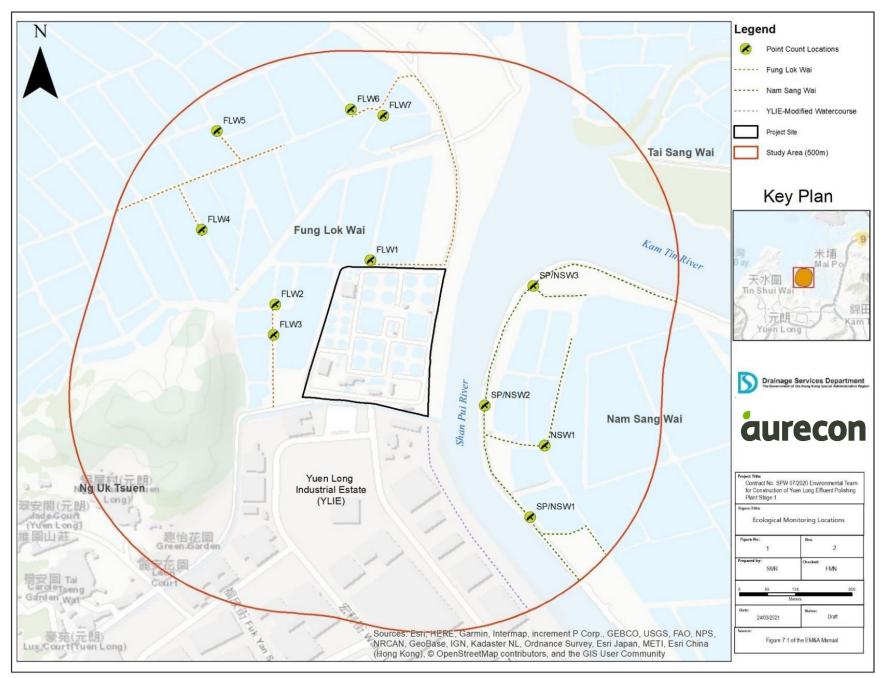


Appendix O.2.1a: Pre-roost aggregate of ardeids in the mudflat northeast side of the Project boundary (ANR2) observed on 18 December 2024 at around 17:28.



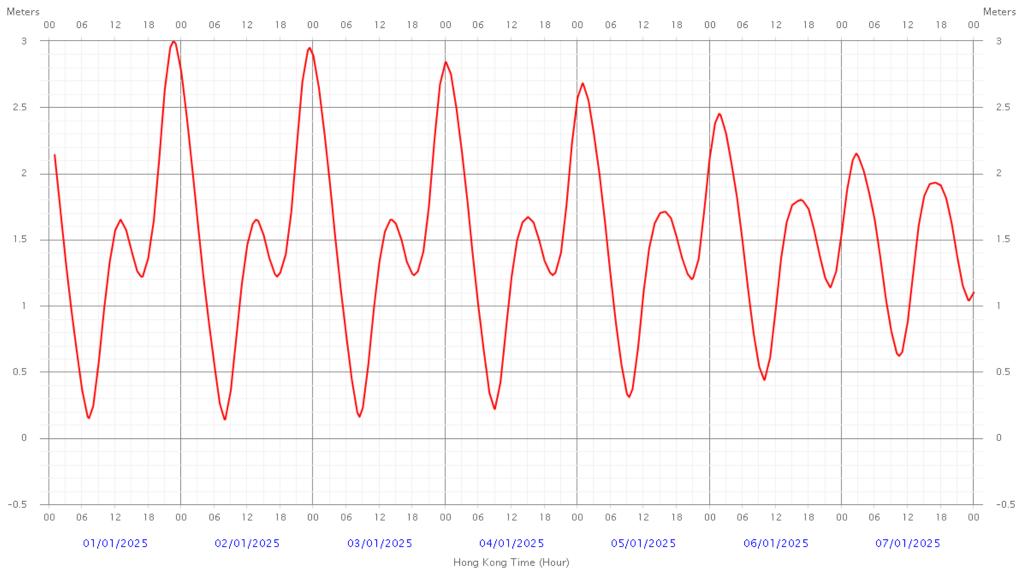
Appendix O.2.2a: Active night roost in the mudflat northeast side of the Project boundary (ANR2) observed on 18 December 2024 at around 17:45.

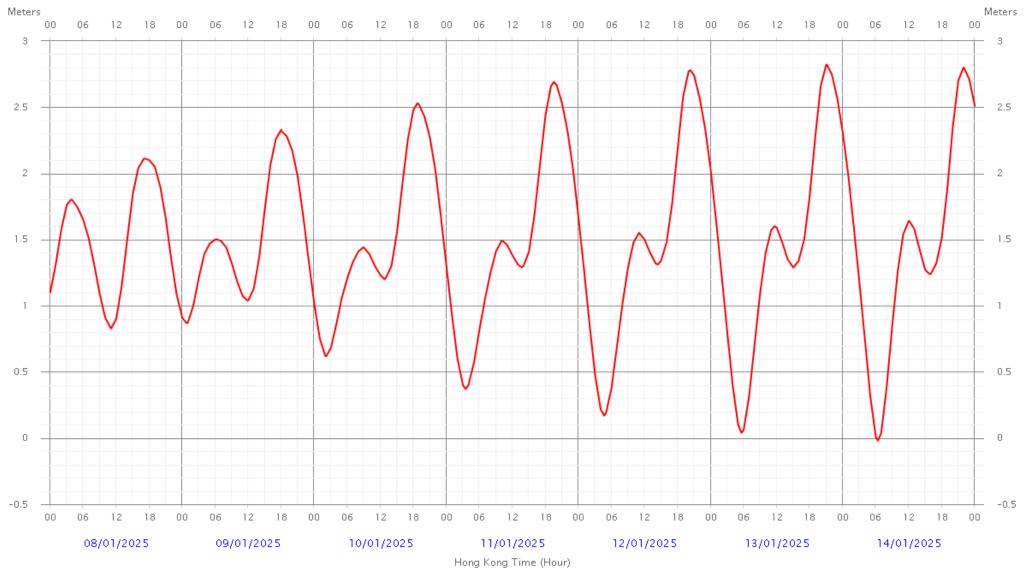
Appendix P Ecological Bird Monitoring Area with Locations of Point Count Sites and Transect Route

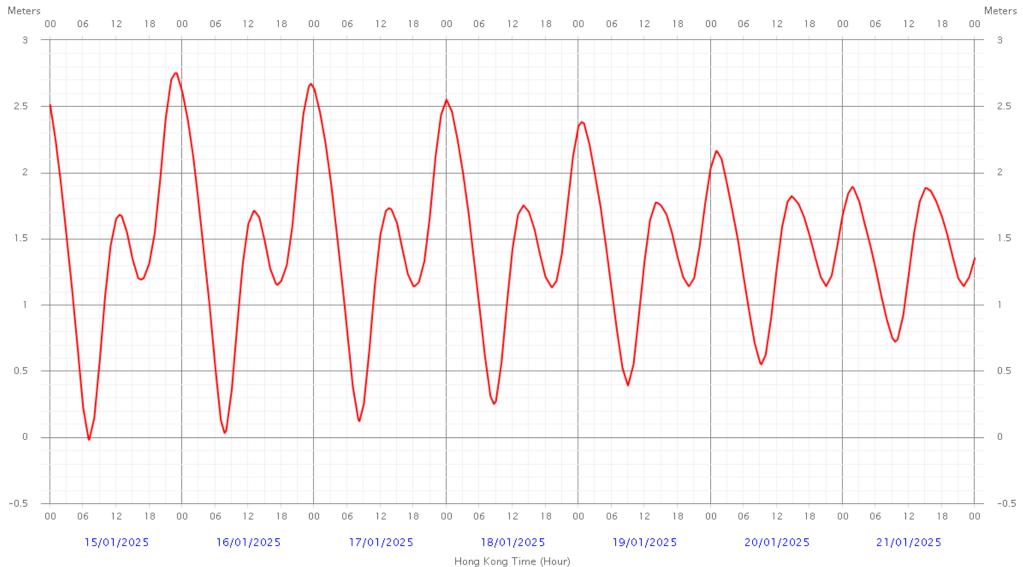


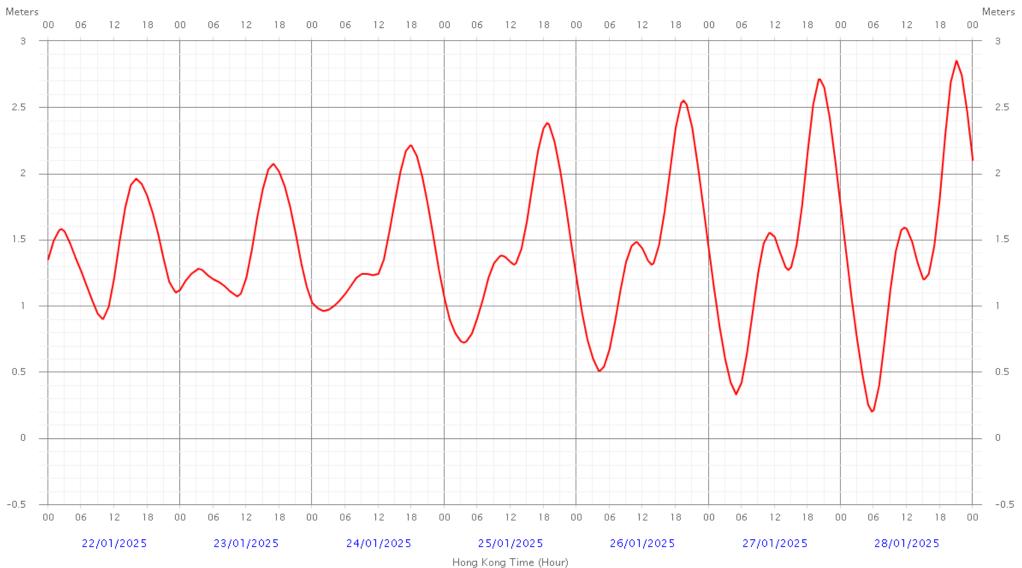
Appendix P: Ecological bird monitoring area with the locations of point count sites and transect routes

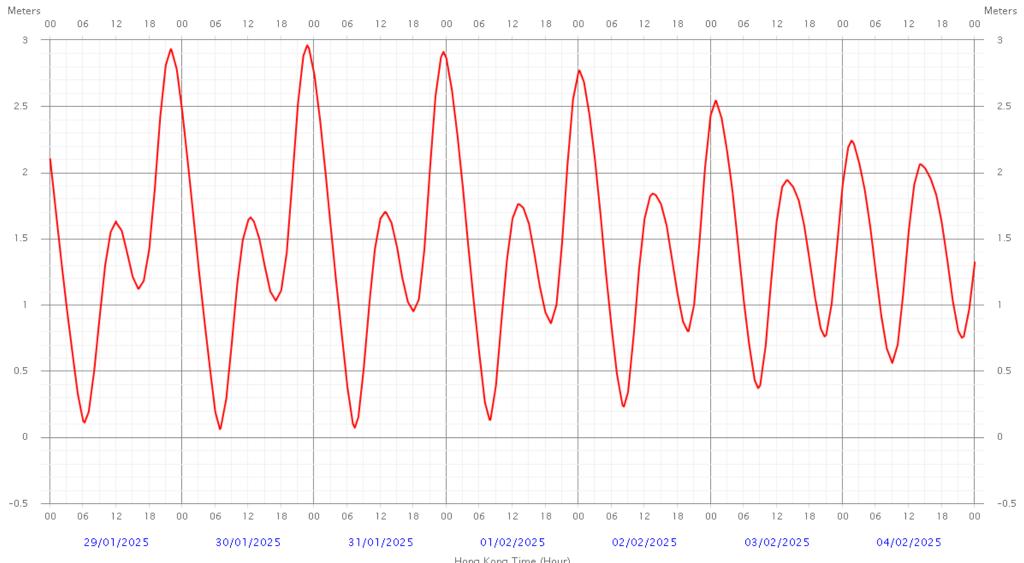
Appendix Q Tides Predicted by the Hong Kong Observatory for the tidal station at Tsim Bei Tsui











Hong Kong Time (Hour)

#### Prepared by:

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